

DX News

Serving DX'ers since 1933



Volume 68, No. 29 - August 13, 2001 (ISSN 0737-1659)

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From the Publisher ... 100-degree-plus temps getting you down? Get out of town and cool it in P-burgh - see p. 39 for details.

Dues News ... After 14 years of the same renewal amount of \$22.00 for your NRC membership/DXN subscription in the U. S., since August 1, 1987, drastically increasing postal costs, some of them downright weird, have forced us to raise all dues. Effective immediately, the new dues rates (to receive *DX News*) are as follows: \$28.00 to US addresses; \$38.00 to Canadian addresses, and \$52.00 to all others. The good news is that CURRENT members may renew for up to two years at present rates, but renewals must be in to Ron Musco no later than Sept. 30, 2001.

The booklet that new members received will no longer be sent to them automatically; it will be re-titled *Getting Started in MW DXing* and available for purchase for all from NRC Publications.

DX Audio Service dues are increasing, also: \$28.00 to US addresses, \$32.00 to Canadian addresses, and \$40.00 to all others.

The NRC *AM Radio Log, 22nd Edition*, has increased in price, also, to \$19.95 for members (non-USA members, contact the Publications Center for pricing) and \$25.99 for non-members. Some prices of items in the *NRC Catalog, 2002* were to have increased as of August 1, also.

DXChange ... Jim Bagge - 110 Gralia Dr. - Springfield, MA 01128, 413-783-3172, <<klygg@aol.com>> is offering his Kenwood R5000 with 4 filters including an InRad 4.0 Khz AM filter, in excellent working condition for \$500 plus shipping.

DXpedition ... from Jean Burnell <<jburnell@mun.ca>>: "This is the preliminary announcement/invitation to the Newfoundland DXpedition of 2001. Apart from being a decade of major DXpeditions at the legendary Cappahayden venue, it is the centenary of the first EVER transatlantic reception, by Marconi at Signal Hill, St. John's, Newfoundland, in December of 1901. I am planning the DXpedition for November 9 to 18.

If you have not been here before, you should know that radio interests on the DXpedition are short-wave and medium-wave broadcast DX, but there is no doubt that the most remarkable DX will be found on MW. Even though current sun-spot activity is not generally conducive to high-latitude east-west propagation, our arsenal of Beverage and

K9AY antennas ensure reception of "real DX" from all continents (except Oceania) on MW.

I would appreciate at this time if you would please let me know if you are interested in attending. Let's use three categories — 1. very likely to attend; 2. maybe; 3. very unlikely to attend."

DXN Publishing Schedule, Volume 68

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
30.	Sept. 7	Sept. 17			

DXN Publishing Schedule, Volume 69

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
1.	Sept. 21	Oct. 1	16.	Jan. 18	Jan. 28
2.	Oct. 5	Oct. 15	17.	Jan. 25	Feb. 4
3.	Oct. 12	Oct. 22	18.	Feb. 1	Feb. 11
4.	Oct. 19	Oct. 29	19.	Feb. 8	Feb. 18
5.	Oct. 26	Nov. 5	20.	Feb. 15	Feb. 25
6.	Nov 2	Nov 12	21.	Feb. 22	Mar. 4
7.	Nov 9	Nov. 19	22.	Mar. 1	Mar. 11
8.	Nov 16	Nov. 26	23.	Mar. 22	April 1
9.	Nov 23	Dec. 3	24.	April 5	April 15
10.	Nov. 30	Dec. 10	25.	April 19	April 29
11.	Dec. 7	Dec. 17	26.	May 10	May 20
12.	Dec. 14	Dec. 24	27.	June 7	June 17
13.	Dec. 28	Jan. 7	28.	July 5	July 15
14.	Jan. 4	Jan. 14	29.	Aug. 2	Aug. 12
15.	Jan 11	Jan. 21	30.	Sept. 6	Sept. 16

DX Time Machine

From the pages of DX News:

50 years ago ... from the August 16, 1951 DXN: The winners of the Domestic Contest were announced, along with their prizes: 1st: Harold Schrock (ACE Pilot Stapler); 2nd: Don Kaskey (Boston KS pencil sharpener), 3rd: Len Kruse (tape dispenser and 1 roll of tape); 4th: Relfe Luton (Speed "TOT" staple kit), and 5th: Frank Wheeler (ACE staple remover).

25 years ago ... from the August 16, 1976 DXN: Ron Musco was named as "NRC Membership Officer" effective October 1, but the NJPC publishing team was still looking for a replacement.

10 years ago ... from the July 29, 1991 DXN: Leading George Sherman's Contest standings was Mike Hawk, Omaha, followed by Nancy Hardy, Aberdeen, WA; Robert Kramer, Chicago, IL; Dave Hascall, Fortville, IN; and Doug Smith and Doug Smith, split between Nashville and Madison, WI.

AM Switch

Jerry Starr w8jv@yahoo.com
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

	<i>Old call</i>		<i>New call</i>	
790	WLLB	ME	Rumford	WTME
800	KHIS	CA	Bakersfield	KDFO
850	WRMR	OH	Cleveland	WKNR
890	*New	TX	Frankston	KTXV
920	KENT	TX	Odessa	KFLB
930	WCNR	PA	Bloomsburg	WHLM
970	KZPM	CA	Bakersfield	KZTK
990	WVNZ	VA	Richmond	WLEE
1010	KXEG	AZ	Tolleson	KXEM
1090	*New	FL	Alachua	WGAF
1100	WBTR	GA	Carrollton	WLBB
1220	WKNR	OH	Cleveland	WHKC
1240	WTME	ME	Lewiston	WCNM
1250	KXTR	KS	Kansas City	KWSJ
1250	CBL	ON	Ontario	CHWO
1280	KTKP	AZ	Phoenix	KXEG
1320	WLEE	VA	Richmond	WVNZ
1350	WCOP	GA	Warner Robins	WNNG
1380	WTVR	VA	Richmond	WBTK
1400	WAVD	AL	Decatur	WWTM
1400	*New	UT	Parowan	KSUR
1420	WHKK	OH	Cleveland	WCLV
1440	*New	NY	Gloversville	WFNY
1440	WHKW	OH	Warren	WFHM
1450	WMBH	MO	Joplin	KQYX
1450	WHRC	RI	West Warwick	WWRI
1480	KRHT	CA	Concord	KCKC
1560	KQYX	MO	Joplin	WMBH
1570	KSRB	WA	Seattle	KKNW
1660	KWSJ	KS	Kansas City	KXTR
1680	KAZJ	WA	Seattle	KTFH

*Note: WVNZ and WLEE continue to play musical chairs in Richmond; the above reflects the location of these calls as of 8/1/01.

APPLICATIONS FOR NEW STATIONS

585	AS	Tafuna: 5000/5000 U1 (that's American Samoa)
740	ND	Fargo: 50000/1400 (8800 CH) U7
780	CO	Pueblo: 3000/250 U4
890	CO	Fountain: 5000/700 U4
1180	FL	Pace: 1000/1000 U2
1570	NC	Winterville: 5000/250 U1
1600	FL	St. Cloud: 2500/500 U4

GRANTS FOR NEW STATIONS

870	CO	Pierce: 5000/250 U4
1110	WA	Cashmere: 48000/2000 (3000CH) U7
1130	HI	Honolulu: 10000/5000 U1
1240	OR	Redmond: 1000/1000 U1
1400	GA	Moultrie: 1000/1000 U1
1440	NY	Gloversville: 800/500 U4
1490	MT	Malmstrom AFB: 1000/1000 U1
1490	UT	Moab: 1000/1000 U1



APPLICATIONS FROM EXISTING FACILITIES

540	WDMV	MD	Pocomoke City: 1000/1000 U4, city of license to Pikesville, MD (application was dismissed in 1997, but as a result of their most recent petition for reconsideration this application has been reinstated)
540	WETC	NC	Wendell-Zebulon: 8000/500 U4
550	WASG	AL	Atmore: 25000/143 U1
550	WKNJ	NJ	Lakeside: 250/28 U5
640	WVLG	FL	Wildwood: 930/860 U1
1000	CKBW	NS	Bridgewater: to 98.1 FM
1070	KOPY	TX	Alice: 1000/1000 U4
1110	WEBS	GA	Calhoun: 3000/3 U1
1220	CHSC	ON	St. Cathrines: to 107.5 FM
1240	CFEK	BC	Fernie: to 99.1 FM
1360	WHBG	VA	Harrisonburg: 5000/9 U1
1440	KTNO	TX	Denton: 10000/350 U4
1460	KKTK	TX	Waco: 4000/700 U4, city of license to Burleson, TX
1490	KCFC	CO	Boulder: 870/870 U1
1500	WDPC	GA	Dallas: 5000 (500 CH) D3
1530	WJGG	IL	Elmhurst: 1700 D3

GRANTS TO EXISTING FACILITIES

550	KFRM	KS	Salina: 5000/110 U3
550	CFJC	BC	Kamloops: to 100.1 FM
580	WKSK	NC	West Jefferson: 5000/34 U1
680	WCBM	MD	Baltimore: 50000/20000 U4, relocate transmitter
700	WWTL	MD	Walkersville: 25000 D3, city of license to Poolesville, MD
700	KGRV	OR	Winston: 23000/470 U1
790	WRMS	IL	Beardstown: 500/59 U1
900	WJJB	ME	Brunswick: 640/66 U1
970	WVOP	GA	Vidalia: 4000/60 U1
1020	KOTD	NE	Plattsburgh: 50000/1400 U4
1020	KYXE	WA	Selah: 5000/400 U5
1120	WBZR	FL	Destin: 2200 D1
1270	WHLD	NY	Niagara Falls: 5000/1000 U4
1330	WWRV	NY	New York: 10000/5000 U4
1340	WFSH	FL	Valparaiso-Niceville: 920/920 U1
1360	KAHZ	TX	Fort Worth: 50000/860 U4
1380	WKJV	NC	Asheville: 25000/1000 U2
1460	KMCA	CA	Shasta: 1000/1000 U1
1480	WGFY	NC	Charlotte: 10000/5000 U4
1490	KXRE	CO	Manitou Springs: 500/1000 U1
1510	WPGR	PA	Monroeville: 5000/1 (2500 CH) U11
1560	WINV	FL	Inverness: 6800 (4900 CH) D1, city of license to Beverly Hills, FL
1570	WNSH	MA	Beverly: 5000/500 U4

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A Division of The Westcom Radio Group Ltd
5255 YONGE STREET, SUITE 1400
TORONTO, ONTARIO M2N 6P4



OTHERNESS

740	*App	MI	Rogers Heights: application for new station DISMISSED
900	WATV	AL	Birmingham: CP for 845/158 U1 is on
900	WEMG	PA	Philadelphia: CP for 1000/42 U4 is on
910	WTWD	FL	Plant City: silent station is ON THE AIR
950	KJR	WA	Seattle: CP for 50000/50000 U3 from new site is on
980	WGWMM	KY	London: CP for 850/70 U1 is on
980	WAAA	NC	Winston Salem: station is SILENT (has been locked out of their studios in a dispute with their landlord over rent)
990	KXXL	TX	Farmersville: application for 7000/920 U4 DISMISSED per applicant's request
1030	WAUL	AL	Brantley: application for 50000/5800 U7 is DISMISSED
1030	KLLU	OR	Reedsport: CP for 50000 D1 is on
1060	*App	MI	Albert Township: application for new station DISMISSED
1070	WFRF	FL	Tallahassee: CP to relocate transmitter is on
1070	WEKT	KY	Elkton: CP for 500/18 U1 is on

- 1160 *App MI Springvale Township: application for new station DISMISSED
- 1170 WKLN FL St. Augustine Beach: application for 5000 D1 is DISMISSED
- 1200 WXIT NC Blowing Rock: CP for 10000 (7000CH) D1 is on
- 1210 WDGR GA Dahlonega: station is SILENT following a fire which destroyed the trailer where the station was located

- 1220 CKCW NB Moncton: station is SILENT, moved to FM
- 1340 KALY NM Los Ranchos de Albuquerque: CP to relocate transmitter is on
- 1250 WCHO OH Washington Court House: application to change city of license to Henderson, NC (yes, that's right) has been DISMISSED

- 1270 WHLD NY Niagara Falls: CP for 5000/1000 U4 is on
- 1280 KKOM CA Arroyo Grande: CP for 10000/2500 U4 is on
- 1340 KGLW CA San Luis Obispo: CP for 790/790 U1 is on
- 1340 WMSA NY Massena: CP for 910/910 U1 is on
- 1370 WCCN WI Neillsville: CP for 5000/42 U1 is on
- 1380 WBTk VA Richmond: station is SILENT
- 1390 *App MI Manning: application for new station DISMISSED
- 1440 WCDS KY Glasgow: CP for 500/30 U1 is on (not 5000 as shown in latest NRC Log)
- 1440 WMAX MI Bay City: silent station is ON THE AIR
- 1440 WFHM OH Warren: silent station is ON THE AIR relaying WHKC-1220 Cleveland
- 1450 KNOC LA Natchitoches: station is SILENT
- 1490 KWAB CO Boulder: silent station is ON THE AIR
- 1490 WBTA NY Batavia: CP for 1000/710 U1 is on
- 1530 WLSP MI Lapeer: station is SILENT (tower still standing but building has been removed)

- 1600 KZZXAK AK Shishmaref: new station is ON THE AIR (this is 3/3 U1 and is operated by the Department of Military and Veterans Affairs for reasons unknown; watch DDXD for the loggings to start pouring in)

- 1690 WPTX MD Lexington Park: silent station is ON THE AIR




THANKS: Bill Hale, Ed Krejny, Wayne Heinen, Al Merriman, John D. Bowker, Paul Swearingen, Fred Vobbe, Jamie Moon, Shawn Axelrod, Bob Foxworth, Powell Way, Dave Braun, Kelly Alford, Les Johnson, and MSJ

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

Jimmy & BKf

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 NY 13661. NY orders, please add sales tax.



The NRC Nighttime Antenna Pattern Book, 5th Edition is the perfect mate to the NRC AM Log, as the NPB provides DX'ers with up-to-date maps of all (except Class IV) stations with nighttime operations. Convenient to use: 3-hole punched for standard binders. Still only \$16.95 to U. S. and Canadian members; \$22.95 to U. S. and Canadian non-NRC members. Airmail to members: to Latin America, \$24.00; Europe, \$25.00; rest of the world: \$28.00.
 Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax)



Domestic DX Digest

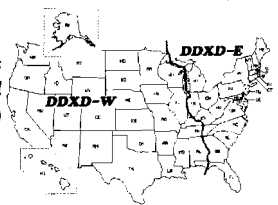
West: Bill Hale phantom 2@eaze.net

6124 Roaring Springs Drive - North Richland Hills, TX 76180-5552

East: Michael Shaw mshaw002@tampabay.rr.com

455 Alt. 19 S., Apt. 176 - Palm Harbor, FL 34683-5931

(Division line is between East and Central time zones)



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

DDXD-West

MEDIUM WAVE RAMBLINGS

- ❑ As announced last issue, there have been a number of deletions from the Graveyard DX Achievements files. **Tim Hall** was the first to respond with some loggings to capture a few of these new records, followed by **Andy Rugg, Steve Francis, Russ Edmunds, John Wilkins, and Morris Sorensen.**
- ❑ According to the FCC, there are 4716 AM stations licensed by them as of June 30, 2001. How many have you logged? And more importantly . . . reported to your DX column??
- ❑ The deadline for the final DDXD-West . . . of Volume 68 will be September 5, 2001. Be here, or don't.
- ❑ Seems like only yesterday, but this issue marks the 15th anniversary of my taking the helm of (then) DDXD-East. Now, after a decade-and-a-half and six moves around the country, we're still here. Let's see: DDXD-East, DDXD-North, DDXD (the works), and now DDXD-West. Thanks to **Steve Francis** for the reminder about this. And to all who have contributed over the years! (And thank YOU, Bill, for always being . . . somewhere, but especially reliable! -pls.)

REPORTERS

- SA-MB **Shawn M. Axelrod** Winnipeg ICR-70 & Drake R8 + 4-Ft unamplified box loop / Quantum Loop or 145-Ft outdoor wire/100-ft indoor wire; MFJ 1026 Phasing Unit <saxelrod@mb.sympatico.ca>
- BC-KS **Bill Collins** Prairie Village GE Superadio III; car radio <WCol103767@aol.com>
- CD-TX **Charles Dobbins** Alpine DX-160 + Palomar amplified loop or Sony ICF-7600
- GJ-CA **Gary Jackson** Sacramento FRG-8800 + Kiwa Loop
- EL-IL **Eric Loy** Champaign Drake R8 with Quantum QX <eloy@netscape.net>
- MS-CA **Mike Sanburn** Bellflower GE Superadio II <mikesanburn@hotmail.com>
- KR-AZ **Kevin Redding** Mesa Chris Cuff modified Delco car radio to receive AM stereo and 85' antenna; CCRadio barefoot <lwdxr@juno.com>
- JS-MN **John Sampson** Grand Rapids Collins R388 + Sanserino amplified two foot Loop <jsampson@qwest.net>
- PT-WA **Pete Taylor** Tacoma Sony ICF 2010 + Kiwa air core loop <taytac@worldnet.att.net>
- Ed-TX **Editor** North Richland Hills

STATION NEWS & NOTES

- 630 WDGY WI Hudson - Switched formats with WMIN-740, meaning that 630 is now SS-language with its *Radio Rey* format. (Upper Midwest Broadcasting)
- 740 WMIN WI Hudson - see above . . . And is now Sporting News Radio. (Upper Midwest Broadcasting)
- 1010 KXEM AZ Tolleson - Now these calls, ex: KXEM. They also have changed from REL to news, carrying AP News. (KR-AZ)
- 1200 KOQI CA Soquel - 6/30 2400 - With voice ID: KOQI - Soquel. Transmitter testing on 1200 kHz. (DKK-CA)
- 1220 KSFB CA Palo Alto - 7/19 1530 - Now religious, both block & music. Former classical music outlet trying everything nowadays. (DKK-CA)
- 1250 KWSJ KS Kansas City - 7/30 0700 - Ex: KXTR, now all-Spanish. (BC-KS)
- 1310 KOCR MO Joplin - 7/30 0630 - Reported silent last two DX Newses, is still going strong end of July. (BC-KS)
- 1450 KFSD CA Escondido - 7/2 0400 - Ex: KSPA, KOWA, KOWN. Now simulcasting KFSD-FM with classical music. Legal ID, then back to symphony. Good, over KVML, KVEN, XECB. (MS-CA)



- 1600 WARU IN Peru - 8/3 0400-0425 - Either testing or left on with FM audio; classic rock with call ID and 98.5. (EL-IL)
- 1640 KBJA UT Sandy - QSL card received, signed by Kristin Perry. Address is: 10348 South Redwood Rd, South Jordan, UT 84095. (GJ-CA)

UNIDs and UNID HELP

- 1270 UNID ?? - 7/28 0829-0852 - Good, out of talk show at 0829, with *Talk Radio Network* ID, local weather by female, three promos. ID as AM 1270. No calls given. Promo for news at noon and 5 PM. Nothing in AM Log lists this network on 1270. Ideas?? (CD-TX)
- 1420 UNID ?? - 7/29 2240 - Poor signal, in a mess, with what sounded like classical or light instrumental music. (SA-MB)
- 1440 UNID ?? - 6/12 0139 - With a female opera singer. I have NO idea who this one could be. (KR-AZ)

TIS & OTHER STUFF

- 1610 WNXK966 CA Button Willow - 7/5 0600 - Cal Trans giving road info and construction delays. Strong signal. (GJ-CA)
- 1700 WNSB415? CA San Diego - 7/15 0316 - Fair-to-good, with tape loop: *You are listening to a test broadcast operating on 1700 kilo Hertz AM from Cal Trans.* Signal strength and loop direction suggest this would be WNSB415, which is moving here from 530 kHz to escape XEJAZZ-540. Transmitter is located at CA-905 at Beyer Blvd. (between I-5 and I-805). (TRH-CA)



MIDNIGHT TO MIDNIGHT ELT

- 580 KSAZ AZ Marana - 6/13 0145 - Playing *Billy Joel's Just the Way You Are*. I hear them a LOT more since KMJ went to higher power. . . (KR-AZ)
- 670 KLTT CO Commerce City - 7/28 2129-2230 - A real surprise. Briefly surfaced quite weakly in WSCR null, with religion. Quite a difference in reception of KLTT between Arizona and here. Audible most of the day in Sun City West and well on top of 670 there at night. (JS-MN) [And getting to be a real pest at night here in North Texas, too - Ed.]
- 690 KTSM TX El Paso - 7/20 0807-0823 - Morning variety show (news, weather, sports, etc.) ID as *Newstalk 690 KTSM*. Report sent. (CD-TX)
- 780 KAZM AZ Sedona - 7/24 2333-2341 - *Arizona Diamondbacks vs San Diego Padres* MLB game. No ID heard, but it's the only station on 780 on Diamondbacks Media List. Report sent. (CD-TX)
- 840 KTIC NE West Point - 7/25 2151-2157 - Surfaced in null of unusually strong WHAS, with C&W music and local ID. Abrupt fade at 2157; may have left the air then as not heard after that. (JS-MN)
- 850 WKNR OH Cleveland - 7/10 2042 and on - Dominating 850 with ESPN programming. KOA audible, but not nearly as strong as usual. Heard before as WRNR, but never this strong. (JS-MN)
- 910 KBIM NM Roswell - 7/20 0829-0835 - ID at 0829 as *Serving Southeast New Mexico and Southwest Texas, we are Newstalk 910, KBIM*. Then news headlines and talk about the tax rebate. Faded out by 0835. (CD-TX)
- 920 WMPL MI Hancock - [no date] 2144-2200 - Pleasant surprise after KDHL faded. Surfaced with strong station ID at 2145. Faded and surfaced with nice ID at 2200. Seemed to be carrying Sporting News Radio. Heavy QRM from several. (JS-MN)
- 920 KDHL MN Faribault - [no date] 2110-2142 - way on top of 920 w/local baseball game w/slight initial QRM from KWAD and CFRY (both of these dominate 920 here during the day); finally faded to other QRM. (JS-MN)
- 930 WLBL WI Auburndale - 7/10 2143-2145 - Very strong, in null of semi-local KKIN, with Wisconsin Public Radio program. Nice sign-off announcement (was fun to hear one, as reminded me of the olden days when day timers actually left the air when they should). (JS-MN)
- 950 KKFN CO Denver - 8/2 0745 - Weak, with sports talk. *Mike Golic* announcer talking about the death of *Corey Stringer* of the *Minnesota Vikings*. (KR-AZ)
- 950 KXTQ TX Lubbock - 7/25 0829-0845 - Female with local weather report on *Fox News 950*. *Mike Stevens* with local news headlines. *Paul Harvey News* at 0830.

- 980 WCUB WI Two Rivers - 7/10 2002-2018 - Strong, in KKMS null, with C&W music and a couple of local ads. (JS-MN)
- 1000 KOMO WA Seattle - 8/2 0800 - Very weak and in a tight null of R. Mil, with ToH ID and ABC News. Gave web address of www.komoradio.com. (KR-AZ)
- 1020 KINF NM Roswell - 8/2 0804 - Strong, with news then an ID and into *America in the Morning* at 0806. They have been noted playing standards late at night and weekends as of late. (KR-AZ)
- 1030 WUFL MI Sterling Heights - 7/25 2100-2109 - Strong station ID and into religious music. Very good in null of WCTS, with abrupt fade (maybe sign-off) at 2109. (JS-MN)
- 1100 KFNX AZ Cave Creek - 7/25 2229-2231 - Female with local weather report, followed by ID: *You're listening to Arizona's Newstalk 1100, KFNX, Renaissance Radio*, into a call-in talk show at 2232. Swamped by KNZZ 'til past 2300 when I gave up. Not enough for a report. (CD-TX)
- 1130 WDFN MI Detroit - 7/25 2030-2050 - Very strong, in KFAN null, with sports talk. Unusual to hear anything except for KFAN (and occasionally KBMR at sunset) here on 1130. (JS-MN)
- 1170 WWVA WV Wheeling - 6/16 2156-2200 - Surfaced briefly with strong signal. *Mines Bulletin Board* followed by station ID. Heavy QRM from KJOC. (JS-MN)
- 1170 WMRH WI Waupon - 6/26 2145-2153 - Strong, with NOS and a couple of station IDs. QRM from KJOC and abrupt fade at 2153. (JS-MN)
- 1180 KGOL TX Humble - 7/1 0813-0835 - Morning religious show, no ID heard, BUT listener call-in phone number matches that in AM Log (713-349-9161). Report sent. (CD-TX)
- 1230 KPLY NV Reno - 7/6 0126 - *K-Play 1230* ID during ad break in *San Francisco Giants* wrap-up. Heard well thru 0145. (DKK-CA)
- 1250 KLLK CA Wilitts - 6/27 2300-2400 - With local C&W program. Possible format change? (DKK-CA)
- 1270 KDJI AZ Holbrook - 8/2 0815 - ESPN Radio with more sports news about the death of *Corey Stringer* of the *Vikings*. (KR-AZ)
- 1290 KWFS TX Wichita Falls - 7/25 2335-2355 - *Texas Rangers vs Baltimore Orioles* MLB. Not needed, but great signal for reported 73 watts. Probably on 5 kW daytime power. (CD-TX)
- 1350 KGHF CO Pueblo - 7/1 - With ID at 0352 after NOS song. Many ads and into *Take Me Home Country Roads* by *John Denver* at 0356. // program on KVIN-1390. KGHF heard well thru KSRO. First time in ages. (DKK-CA)
- 1350 WTOU OH Akron - 7/28 2148-2155 - End of *Akron Arrows* baseball game and return to ESPN programming. Fairly strong in KRNT null. (JS-MN)
- 1360 WKYO MI Caro - 7/28 2157-2203 - Dominating frequency briefly, with local announcements and C&W music. Gone after 2203. QRM from several, primarily KSCJ. (JS-MN)
- 1360 KMRN MO Cameron - 7/19 2350-2355 - Out of song *Don't Rock the Jukebox* at 2352, then *Your station for the best country in the heart of Missouri, KDTB(?)*. Not sure of call; possibly their FM. Into another record. Covered by KACT and KBUY after 2355. Not enough for a report. (CD-TX)
- 1380 KBWD TX Brownwood - 7/25 2345-0003 - *Texas Rangers vs Baltimore Orioles* MLB. ID at ToH: *Your home for Texas Rangers baseball is KBWD AM 1380, Brownwood, Texas*. Good signal for 500 watts. (CD-TX)
- 1420 WJJL NY Niagara Falls - 7/29 0507 - Fair signal, with ID as *14-40 WJJL* serving greater ??? . Not sure of town, thought he said "Buffalo", but that seems wrong. NEW! (SA-MB)
- 1490 KMET CA Banning - 7/17 0330-0340 - With Classic C&W music. ID at 0332 as . . . *Classic Country - KMET* . . . Much QRM. (DKK-CA)
- 1490 KRUI NM Ruidoso - 7/28 2336-2358 - *Texas Rangers vs Tampa Bay Devilrays* MLB. No ID heard, BUT promo for the Lincoln County Fair and Rodeo heard during one of the breaks cinched the ID for me. QRM from KZZN. Report sent. (CD-TX)
- 1500 WLQV MI Detroit - 7/27 2155-2200 - Surfaced in null of KSTP, with religion. Not very strong, but logable. Rare to hear anything on 1500 but

Classic Country 680 AM
KKYX

KSTP here. (JS-MN)
 1510 KMND TX **Midland** - 7/1 2305-2325 - Out of news report with *Talkradio KMND-KRIL* into *Tom Martino, Your Troubleshooter* show. Five minutes of commercials at 2315-2320. Lots of info for sent report. (CD-TX)
 1550 KXTO NV **Reno** - 6/28 0300 - In and out, with local KYCY. ID at :00 as *Liberty Works Network* plus calls of all stations. (DKK-CA)
 1560 KBEW MN **Blue Earth** - 6/26 2045-2100 - Very strong, with local baseball game and lots of ads. Slight QRM from WQEW. (JS-MN)
 1580 KDOM MN **Windom** - 6/26 2111-2200 - Very strong, with *Twins* game, local ads and no QRM (conditions favored SW Minnesota that night). (JS-MN)
 1640 KBJA UT **Sandy** - 7/14 0455-0505 - Cutting thru KDIA with R. Unica program. ID at 0500 in SS. Also 7/18 0255-0310 with ID at 0302 noting // with KHQN-1480. (DKK-CA)
 1660 KAXW CA **Merced** - 6/12 0140 - With baladas and corridos. And its SS and MONO. (KR-AZ)
 1660 KAXW CA **Merced** - 7/11 0201 - SS music and dual *KRAN quince-ochenta* - KAXW (frequency not readable), not great but easily topping KXOL, which has been poor for about a week. City after KAXW's frequency sounded like "San Mateo" and not "Merced" - obviously impossible. First night on, I believe (PT-WA)
 1660 KAXW CA **Merced** - 7/11 0500 - In strong, with SS ID. S-30+ here. QSLed during testing stage. Write to: Lorelei Mouillesseaux, KAXW, Clark Broadcasting, 514 E. Bellevue, Atwater, CA 95301. (GJ-CA)
 1660 KAXW CA **Merced** - 7/11 0630-0705 - New station atop and dominating, with Nortena/Ranchera music in SS. ID at 0701:30 in SS. Dual ID with KRAN-1580. No KXOL noted then, but KXOL noted cutting thru easily on 7/17 & 7/18. (DKK-CA)
 1660 KXTR KS **Kansas City** - 7/30 0645 - Ex: KWSJ. Now all-classical. (BC-KS)



GRAVEYARD DX UPDATE

indicates record held from Alaska or Hawaii

* indicates record held by DXER from North America (excluding Alaska)

<u>1230 kHz:</u>					<u>Miles</u>
KOY	AZ	Phoenix	John Wilkins	Wheat Ridge, CO	586
KGfJ	CA	Los Angeles	Tim Hall	Chula Vista, CA	119
WBOK	LA	New Orleans	John Wilkins	West Des Moines, IA	827
KWNO	MN	Winona	Tim Hall	Madison, WI	130
WECK	NY	Cheektowaga	Tim Hall	Toronto, ON	59
KZZR	OR	Burns	Tim Hall	Dunphy, NV	*236
WBVP	PA	Beaver Falls	Andy Rugg	Pointe Claire, QC	461

<u>1240 kHz:</u>					
KMZK	MT	Billings	Tim Hall	Jackson, WY	*193
KDLR	ND	Devils Lake	Morris Sorensen	Amaranth, MB	172
WROV	VA	Roanoke	Andy Rugg	Pointe Claire, QC	654

<u>1340 kHz:</u>					
CKNR	ON	Elliot Lake	Andy Rugg	Verdun, QC	440
XEZE	Nay	Santiago Ixcuintla	Tim Hall	16 miles w. of Cabo San Lucas, BCS	326

<u>1400 kHz:</u>					
KRCQ	CA	Indio	Tim Hall	Chula Vista, CA	89
WHLB	MN	Virginia	Morris Sorensen	Amaranth, MB	*352
WMIN	MN	St. Paul	John Wilkins	West Des Moines, IA	235
WYSL	NY	Buffalo	Russ Edmunds	Parsippany, NJ	268
KBJM	SD	Lemmon	Tim Hall	Custer State Game Lodge, SD	453
KBYG	TX	Big Spring	Tim Hall	San Antonio, TX	261
KUNO	TX	Corpus Christi	Tim Hall	35 miles west of Acaponeta, Nay*	639

<u>1450 kHz:</u>									
KNOT	AZ	Prescott	Tim Hall	Moab, UT	321				
<u>1490 kHz:</u>									
KBAS	AZ	Bullhead City	John Wilkins	Wheat Ridge, CO	613				
KOTN	AR	Pine Bluff	Steve Francis	Alcoa, TN	466				
KPKE	CO	Gunnison	Tim Hall	Denver, CO	133				
WFKY	KY	Frankfort	Steve Francis	Alcoa, TN	175				
KJIN	LA	Houma	Steve Francis	Alcoa, TN	582				
WNJT	PA	Johnstown	Morris Sorensen	Scarborough, ON	240				
WBCB	PA	Levittown	Morris Sorensen	Kirkland Lake, ON	609				
WAYB	VA	Waynesboro	Steve Francis	Alcoa, TN	323				
WXIT	WV	Charleston	Russ Edmunds	Kinnelon, NJ	426				
<u>Totals:</u>									
			<u>1230</u>	<u>1240</u>	<u>1340</u>	<u>1400</u>	<u>1450</u>	<u>1490</u>	<u>Total</u>
Bob McCoy	Lincoln, NE		29	20	18	19	4	10	100
Morris Sorensen	Amaranth, MB		3	5	3	1	1	2	15

DDXD-East

Rick Kenneally (RWK-CT) writes "Summer DX continues to roll along with lots of semi-local receptions, but nothing major. Had a few good days recently with cooler weather, no t-storms, and good domestic conditions. Those nights would have brought armchair copy of distant clear channel stations if we still had clear channels. Boston-area pirates continue to dominate the x-band. The Lawrence pirate on 1670 made it in nicely a couple of evenings. While 1690 was clear, the Boston pirate on that frequency was actually a pest. I did manage to complete Connecticut, but it required stringing an antenna specifically to do so. WCCC-1290 is back on frequency, and I can't hear a peep from them in the morning or evening. But their mid-day groundwave can make it with a big enough wire. Thanks to the other CT DXers who provided tips on WCCC."



Mark Burns buys new cars like I do. Here's his account: "I recently purchased a 2000 Ford Taurus. Before I even test-drove the car, I had the salesman tune the radio to 1550 AM then start the engine. I was checking for engine/alternator noise in the radio. I wouldn't have bought the car had the noise been excessive!"

Don Trelford (DT-JWI) reports postal rates have risen to \$40.00 (Jamaican), and that as of July 6th, he still hadn't received the June DX News. (I sent it! -pls.)

Just a reminder that deadlines for this column are the Tuesday before Paul's publishing deadline. For this particular column, Paul's deadline was Friday, August Third, making my deadline Tuesday, July 31st.

<u>STATION NEWS</u>				
1440	WPRD	FL	Winter Park	- 6/9 2126-2234 - West Indies-type program in EE (new format or only on weekends). (DT-JWI)
1450	WSTU	FL	Stuart	- [no date/time specified - MS] This regular here has now joined a network with program "Rewind"; all types of OLD music.
<u>UNID, UNID HELP, PRESUMED AND CORRECTIONS</u>				
1060	UNID	—	_____	- 07/27 2219 - Under KYW with big band/nostalgia, briefly fading in with Eastern time check and mention of "the Joe Bradley Show." Later heard call letters that sounded like WGOZ, many more Eastern time checks. Music continued through 2300 without a break for news. Received on a similar bearing as KYW; a phase-null of KYW also nulled out this station. (BC-NH)
1290	WCHKp	GA	Canton	- 6/17 2010-2146 - C&W music; under WJNO. No ID heard; poor. (DT-JWI)
1350	CKDop	ON	Oshawa	- 7/12 0451 - Weak; ID "AM 1350 News/Talk/Sports with Terry Johnstone". Mention of temperature of 13 degrees in the summer means its Canadian and several mentions of Highway 7 which runs through Oshawa. Also heard a "Hello Toronto" by Terry Johnstone but never any call letters. (SC-IN)

	WGADp	AL	Gadsden - 7/5 2206-2235 - ESPN Sports program. Appeared after CMKY signed off; very poor. (DT-JWI)
1470	WMBDp	IL	Peoria - 6/30 2121-2147 - Play-by-play game; interference from WWNN and UNID with music; poor. (DT-JWI)
1480	KDXXp	TX	Dallas - 6/8 2246-2333 - Pop L. A. music (singer and guitar); Ranchero and slogan "La Cerito". Good; guessing it's KDXX. (DT-JWI)
1670	Pirate	MA	Lawrence - 7/13 2030 - Previously reported and located by Mark Connelly; very strong this night with two men speaking Haitian French. Fuzzy audio. (RWK-CT)
1690	Pirate	MA	Boston? - 7/3 2210 - Haitian French music and talk by man. Then a woman called in and in accented English asked the announcer to pass a message to someone. She mentioned a trip to Jamaica and gave her phone number. This is the first talking I've heard on this station. (RWK-CT)
			+ - 07/21 0140 - Good; continuous French Caribbean music, man in French with echo, mention of Radio ?? International. WPTX was off. (BC-NH)
1710	UNID	—	_____ - 07/27 2130 - "Saturday night rock 'n' roll doo-wop" show (note that it's Friday night), oldies music, enthusiastic DJ: "I'm out of time, out of cigarettes, out of luck..." and off at 2200, signal was fading in and out of utility stations and noise. (BC-NH)

KNST ^{AM 700}
RUSH RULES!

STATION LOGGINGS

550	CHLN	QC	Trois-Rivières - 07/21 0024 - Good; "Ici Radiomedia" and network talk program in French over WDDZ. (BC-NH)
750	CBGY	NF	Bonavista Bay - 07/21 0105 - Good; CBC news, "This is CBC Radio One," and Radio Netherlands program, over WSB. (BC-NH)
760	WCHP	NY	Champlain - 7/11 2030 - In the "Why haven't I heard this before?" category. Very strong with end of "Life in the Word" program, ad for Victory Bible Camp, then quick, recorded "WCHP Champlain" ID by woman. (RWK-CT)
820	WWLZ	NY	Horseheads - 07/27 0100 - Fair; "WWLZ Horseheads, Elmira" and ABC news heard under WNYC. (BC-NH)
900	WMVU	NH	Nashua - 07/27 2359 - Dr. Joy Brown, promo for "The French Program, music of your culture" Sunday morning on WMVU, "For the best in talk radio, stay tuned right here, WMVU Nashua" and USA Radio Network news, then the Good Day talk show; apparently now NSP. (BC-NH)
	CKTS	QC	Sherbrooke - 7/11 2322 - In CHML null on good Canadian night with woman host of talk show on child abuse. ID'ed throughout the night as CJAD. (RWK-CT)
900	CJBR	QC	Rimouski - 7/11 2100 - Rose up to strongest point right at top of the hour (how often does that happen?) in CHML null and over CKTS with end of good blues music program and French talk and "Radio Canada" mentions. (RWK-CT)
	CHML	ON	Hamilton - 7/12 2147 - C.F.L. football game between Hamilton Tiger-Cats and B. C. Lions. "From Ivor Wynn Stadium...with 11 minutes left in the game...Tiger-Cats 24; B. C. Lions 5". Reception very clear with some fading. Tiger-Cats won 26-5. (MC2-NJ)
	WUAM	NY	Saratoga Springs - 7/11 2200 - Unexpected ID while chasing Canadians. Man with "AM 11-60 WMVI Mechanicsville and AM 900 WUAM Saratoga Springs". (RWK-CT)
	WJWL	DE	Georgetown - 7/12 2204 - In partial CHML null with "...join me this and every Friday on AM 900 JWJ & AM 12-80 JWE..." (RWK-CT)
910	WSKT	NC	Jacksonville - 7/12 2300 - A good couple of nights on 910. ToH ID like "The new home of Onslow County's sports fans, the new ESPN Radio 9-10 WSKT Jacksonville" under WLAT-CT. (RWK-CT)
	WNHV	VT	White River Junction - 7/13 0200 - Good with "AM 9-10 WNHV White River Junction and AM 12-30 WTSV Claremont and online at ??? .com. ESPN Radio The Score". (RWK-CT)
	WABI	ME	Bangor - 7/13 2100 - Not strong, but in relative clear with end of piano music then "This is WABI, Bangor—the 24-hour memory station—your favorite station". Then CNN news. (RWK-CT)
930	WFMD	MD	Frederick - 7/17 0300 - Heard right through WPAT during momentary pause in audio with "...WFMD.com..." by man and then song ID "WFMD—

			Frederick". Note: WPAT, Paterson, NJ, carries an overnight program that often IDs as WNSW-1430. (RWK-CT)
930	WRVC	WV	Huntington - 7/4 0400 - Very weak; ID "Your news talk/sports/leader AM 930 WRVC Huntington". (SC-IN)
	WKY	OK	Oklahoma City - 7/4 0506 - Weak with lightning crashes. "930 WKY" and then a Joey Reynolds jingle. Could this be the famous Joey Reynolds? (SC-IN)
980	WOFX	NY	Troy - 6/18 0000 - During come-from-behind Mets/Yankees game, ID during break in 9th inning "SportsTalk 9-80 WOFX". Not a new station but needed new calls. (RWK-CT)
1000	WLNL	NY	Horseheads - 6/28 0600 - Poor signal under Chicago. Tuned into end of sign-on announcement with "...send donations to..." call letters, address, and RSN news. (RWK-CT)
	WIOO	PA	Carlisle - 6/28 2040 - Good with ad for A1 Party Rental. "Country Gold 1000, WIOO, with a lifetime of great country favorites". (RWK-CT)
	WCMX	MA	Leominster - 6/27 0200 - Tip from the web found this on after hours with religious programming, recorded ID by man "WCMX Leominster, Fitchburg, Lunenburg. Your complete Christian Mix." ABC News. (RWK-CT)
1050	WFAM	GA	Augusta - 5/11 2100 - Religious music; dominating frequency at times. Ad for APO Computers off I-20. (RJ-NC)
1070	WCSZ	SC	Sans Souci - 7/9 0000 - Good; ID, "You're listening to AM 1070 WCSZ Sans Souci/Greenville, now a Fox Sports update". Then ML Baseball news. Local blowtorch WIBC silent for about an hour. (SC*IN)
1150	CHGM	QU	Gaspe - 07/27 0000 - Fair; "CHNC 610 New Carlisle, CHGM 1150 Gaspe" and Radiomedia network program in French. (BC-NH)
1200	WXIT	NC	Blowing Rock - 6/20 2143-2206 - Michael Regan Show; promo for program "...on WXIT..."; news including North Carolina flooding. (DT-JWI)
1210	WPHT	PA	Philadelphia - 7/28 0010 - Rollie James doing an ad for the CCRadio by CCRane on her Friday night oldies music program: "None of the Hits, All of the Time". Reception fair with fading. (MC2-NJ)
1240	WHMQ	MA	Greenfield - 6/26 0200 - Spot for Dennis and ?? show, then man: "WHMP Northampton". Woman: "WHMQ Greenfield". Man: "WHNP Longmeadow". Woman: "The Pioneer Valley's #1 for news and talk". Man: "WHMP". Then CBS news. (RWK-CT)
1290	WCCC	CT	West Hartford - 7/14 1600 - Heard groundwave on new east-facing sloping longwire, with "AM 12-90...Beethoven Radio" ID, then into Gershwin's "American in Paris" // webcast. This was my last unheard in CT—first time I've completed a state. (RWK-CT)
1340	WMID	NJ	Atlantic City - 7/18 0704 - Very faint but readable in mush under WENT-NY with man "...Thank you for joining us...13-40 WMID"; then woman talking. (RWK-CT)
1350	WOYK	PA	York - 07/11 0000 - Fair signal with ESPN Radio. ID "WOYK" at top of the hour then into sports news with MLB all-star game as the lead. (SC-IN)
	WCHI	OH	Chillicothe - 7/17 0513 - Fair; "This is WCHI 1350 AM playing sounds of the American Music Classics with Gary Conrad". (SC-IN)
1360	WPTT	PA	McKeesport - 4/29 2000 - "You're listening to 1360 WPTT". (RJ-NC)
1380	WMTA	KY	Central City - 7/3 0000 - Fair with REL music; ID as "WMTA, Central City". Tape report sent; verie received in 15 days. New. (MB-IN)
1410	WRIS	VA	Roanoke - 7/14 1130 - Program by Salvation Army, followed by local preacher. ID WRIS at top of hour. (RJ-NC)
1420	WRCG	GA	Columbus - 7/18 0359 - Very weak; ID only "AM 1420 WRCC". (SC-IN)
	WACT	AL	Tuscaloosa - 7/19 0411 - Weak; ID "Keep your radio locked on AM 1420 WACT", then into S. Gospel song. (SC-IN)
	WCLV	OH	Cleveland - 7/25 0424 - Good; "Only one kind of music, the good music. Thanks for choosing Cleveland's Classic Pops WCLV 1420 AM". Then into Jimmy Dorsey's "Tangerine". Ex-WHK. (SC-IN)
	WTON	VA	Staunton - 5/11 2305 - ESPN Radio programming "Game Night." References to sister station Star 94.3 FM. (RJ-NC)
	WBSM	MA	New Bedford - 7/14 2130 - Way up on top of frequency with "The place to turn for local news—

KPOP
AM 1360

- 1430 WMNC NC WBSM Newstalk 14-20". WCOJ in background. (RWK-CT)
 Morganton - 7/14 0950 - Swap shop call in show. Ad for Pontiac dealer in Morganton. Weather report for AM 1430 WMNC. (RJ-NC)
- 1450 WKIP NY Poughkeepsie - 7/20 0600 - In WCUM-CT null and mixing with someone carrying Patriots (?) baseball game with "...it's Music of Your Life—14-50 WKIP", then slow version of "Someone to Watch Over Me". (RWK-CT)
- WTKI AL Huntsville - 6/9 2028-2048 - Sports talk show, ad for service station and brief ID, in part, as "...WTKI..."; under WSTU and WOCN. (DT-JWI)
- 1470 WKAP PA Allentown - 6/25 2244 - "Cindy" by Eddie Fisher, followed by ID "Do you know a station that sounds like this? WKAP." "Memories" by Barry Manilow was followed by another ID "1470 WKAP". Signal was erratic; went from clear to disappearing in mess and back. (MC2-IN)
- 1480 WGFY NC Charlotte - 6/8 2245-2258 - Brief breakthrough with Radio Disney, ID by kid as "1480 Radio Disney" and gone. (DT-JWI)
- 1490 WCDO NY Sidney - 7/6 2156 - Briefly over mush with "The Tri-counties heartbeat, WCDO." Heard again at 0600 the following morning with full sign-on announcement with frequency and power for both AM & FM. (RWK-CT)
- WESB PA Bradford - 7/9 0600 - Excited, live-sounding DJ with "Broadcasting from ??, the ?? with the contest on WESB, Bradford." Heavy interference from the 1490 crowd. (RWK-CT)
- WACM MA West Springfield - 7/9 2059 - Mixing with others and buried under someone playing "Summer Breeze". Spanish talk including numbers "Ocho Ochenta", then "WACM West Springfield" in English. Nice to finally get an ID on this—have been hearing Spanish in the jumble for weeks. (RWK-CT)
- WOLF NY Syracuse - 7/10 0700 - Radio Disney rising above mush, then "W-O-L-F, Syracuse" by child at top of hour. (RWK-CT)
- WNDA FL Deland - 6/29 1940-2037 - Play-by-play baseball; ID as "...1490 WNDA". Poor; interference from two UNID's. (DT-JWI)
- 1520 WWKB NY Buffalo - 7/27 2218 - "American Pie" followed by "Band on the Run"! ID at 2230 "You are listening to 50,000 watt BusinessTalk Radio, 1520, WWKB Buffalo, an Entercom Communications station". Then David J. Smith—the preacher that talks about conspiracies—came on and talked about President Clinton, the Masons, the Illuminati...the usual suspects! Reception good with fading. (MC2-NJ)
- 1540 WABQ OH Cleveland - 7/26 0500 - Very weak with sign-on. "WABQ with a power of 1000 watts...FCC. No SSB. Motto, "The Gospel Giant AM 1540". (SC-IN)
- WBIN TN Benton - 7/29 0505 - Very weak; "You're listening to WBIN Lifetalk Radio". (SC-IN)
- 1550 WIRV KY Irvine - 7/14 0030 - "WIRV - 1550 and 106.7 The Fox" (RJ-NC)
- 1560 WQXY KY Hazard - 7/14 0027 - Doors' song "Light My Fire". "I'm the Gif on Hazard's Home for Oldies—QUIXY 1510". Very difficult within WQEW null (RJ-NC)
- 1580 WGYM NJ Hammonton - 7/12 0100 - ESPN programming. ID'ed as 15-80 WGYM, not WONZ. (RWK-CT)
- 1590 WSMN NH Nashua - 07/29 0030 - Noted with ESPN radio. Recently leased by Florida broadcaster Tiger Financial, runs local and business talk programs weekdays, ESPN overnight and weekends, joined Red Sox baseball network, IDs as "The Tiger, AM 1590." (BC-NH)
- 1690 WPTX MD Lexington Park - 7/23 2356 - String of ads was followed by a sung "Sporting News Radio". Returned to "Rick Ballou Show" which mentioned that British Open ratings were down 39% because of no Tiger! Also said more calls were to come; South Carolina, New York City, etc. ID "You are listening to the Sporting News Network on WPTX, Lexington Park". (MC-NJ)
- 1700 WEUV AL Huntsville - 07/08 2220 - Fair; "We're 1600 AM WEUP" and gospel music over JFK TIS. (BC-NH)

TIS, HAR AND MISCELLANEOUS

- 1610 WNZY224 NY White Plains & Rye - 7/18 1800 - (WNTY224?) Driving along I-287, heard one weak TIS servicing parking and directions in Rye Playland amusement

- 1630 WPCD802 PA Philadelphia - 7/14 2050 - Suddenly a regular on this channel with parking and terminal info for Philadelphia International Airport. Man giving several minutes worth of info including station call letters. Good from Wilton; very good from Westport (RWK-CT)
- 1680 TIR - 8/2 0300 - Travelers Information Radio but no formal ID. Weather for cities in Florida, Disney World Information. Interestingly, this station is commercially driven versus a state TIS such as a bridge, tunnel or turnpike. TIR ran ads for local restaurants which offered discounts if the customer said he heard their ad on TIR. Alternating male and female announcers. (CR-VA)
- 1690 WQO256 NY Jamaica, Queens - 7/2 0800 - At JFK airport while waiting for flight, heard "This is a test transmission of the latest addition to the New York State Highway Advisory Radio network—WQO256". This has been widely reporting in the East; it is in or very near JFK. (RWK-CT)
- 1690 Panasonic Radio Network NY New York City - 7/13 0900 - Heard from across the Hudson in Weehawken. Station carrying ads for Panasonic and for J&R Music World and giving traffic updates. Faded quickly as I moved away from the city. (RWK-CT)
- 1700 WPIC749 PA Philadelphia - 7/14 2100 - Good signal with mentions of City of Philadelphia, Festival Pier, Penn's Landing, parking for events, etc. (RWK-CT)

REPORTERS

- MB-IN Mark Burns Terre Haute - Drake R8, Kiwa loop; 80' random wire.
 SC-IN Steve Chappell McCordsville-Bearcat DX-1000; 3 terminated loops.
 SC*IN Steve Chappell McCordsville-Sangean ATS 818cs.
 MC-NJ Mike Clancy Jersey City - Optimus 12-603A.
 MC-NJ2 Mike Clancy Jersey City - SONY ICF-7480W.
 BC-NH Bruce Conti Nashua - R8B, MWDX-5, 100-ft wire; 100-ft east sloping wire.
 RJ-NC Russ Johnson Lexington - Panasonic RF-2200, Realistic TRF 12-655, Sangean 803A, Quantum QX Loop, 160 meter inverted vee with ANC-4.
 RWK-CT Rick Kenneally Wilton - 2 Sony ICF-2010s, Sony ICF-7600G, Quantum QX Loop, SM-2, RadioPlus QStick; Shotgun Loop.
 CR-VA Chuck Rippel Comland - Rascal 6790GM and Harris RF-590. 100' 160m dipole and south-oriented beverage antennas.
 DT-JWI Don Trelford St. Ann's Bay - Kenwood R-2000; longwire NS-EW.

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International DX Digest

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Byron NY 14422-9702

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

It's deadline time again, so in honor of that fact I have turned on the Drake to see what might be happening on longwave. It's August 3, and I have weak-to-good signals on almost all of the LW channels. I am very impressed that there are signals on 180 and 255 because I had to work very hard to hear anything at all on these frequencies during the middle of the winter. This is on the "little" antenna, because it will be at least two months before I can roll out the beverage in the cornfield. Hopefully, this is a sign of a good season to come.

Jim

TRANS-ATLANTIC DX

- 153 ALGERIA Bechar-JUL 04 0340 - Arabic tenor-a cappella religious music good signal. JUL 05 0240 - Male AA solo with instrumental accordion, good signal with QRN. [Stromsted-MA]
- 153 GERMANY DLF Donebach, JUL 07 0313 - News, male GG, low frequency rumble under, good. JUL 09 0258 - French chanson, Edith Piaf, again over rumble (Romania?). Beeps, then GG news at hour. Algerian beeps (under) slightly after. JUL 10 0158 - Piano pieces (presume over Romania), fair/good signal // 756 poor. JUL 19 0145 (time not recorded) - operatic piece with soprano with Algeria under and low freq rumble, fair signal // 207 fair // 756 fair/good. JUL 22 0245 - Fast two step dance music, strong signal, alone on channel // 207 good (over beacons) // 1422 & 756 poor. JUL 23 0202 - GG news, good signal // 177 & 207 poor 549 poor. JUL 26 0131 - Romantic ballad female GG vocalist with piano (modern leader?). [Stromsted-MA]
- 162 FRANCE RFI Alouis, JUL 06 0250 - Piano Symphony, fair signal // St Pierre-1375.02. JUL 07 0150 - Classical music-loud signal // 1375 (good). [Stromsted-MA]20
- 171 MOROCCO R Medi-1 Nadar, JUL 23 0135 - Modern rock influenced Arab music with male AA vocal, drum and bass-loud. JUL 25 0120? Modern MidEastern music, rock influenced slow beat, vocal chorus, loud signal. [Stromsted-MA]
- 177 GERMANY Zehlerdorf, DR Oranienburg, JUL 15 0150 - GG Fair signal, political talk, mentioned America. [Stromsted-MA]
- 180 TURKEY Polati (Ankara) TRT-2, JUL 21 0150 - MidEastern music with vocal & strings, poor signal with QRN. JUL 23 0129 - Tenor a cappella vocal (religious) poor/fair signal with QRN & 183 Europe 1 off air. [Stromsted-MA]
- 183 GERMANY Europe-1, JUL 06 0255 - French rock Female FF vocal Male morning host, followed by female FF vocal, a slow romantic piece, good signal. 0307 Review of French festivals for JUL, French rock, male FF vocal, big signal, like a local! JUL 23 0143 - Test tone loud! [Stromsted-MA]
- 189 ICELAND Ríkissutvarpid, Gufuskalar, JUL 07 0310 - Rock, good signal. JUL 14 0225 - Beatles music, fair signal. JUL 21 0125 - American folk music, Male vocal, guitar, bass, good signal. JUL 23 0127 - More rock, beacon interference, weak. [Stromsted-MA]
- 198 ENGLAND BBC synchronos, JUL 08 0233 - "BBC news" then discussion about Northern Ireland's sacrifices in the Great war, DIW Beacon under. JUL 11 0305 - BBC World news, good, 0307 Slow rock music with Female EE vocal. JUL 22 0209 - news from the economic summit meetings in Genoa (no echoes) loud. . [Stromsted-MA]
- 207 GERMANY DLF Aholming, JUL 22 0245 - fast two step dance music, good (over beacons) // 153. [Stromsted-MA]
- 207 MOROCCO RTM Azilal, JUL 06 0301 - Arabic Female vocal with seductive charm, few instruments // 11920. Both loud. . [Stromsted-MA]
- 216 FRANCE/MONACO R Monte Carlo, Roumoules JUL 05 0330 - female FF news then rock with male vocal, morning show with male/female FF hosts, strong signal CLB beacon way under. Loud signal, no Luxembourg effect. JUL 07 0312 - Teletalk Female host, loud. [Stromsted-MA]
- 225 POLAND Polskie Radio Konstanzynow, JUL 20 0145-0151 - Polish pop music, female vocal followed by Brazilian tune and a soft rock piece by same band (no DJ), good signal! JUL 21 0115 - Spirited Slavic music with male vocal. Female vocal with guitar & bass at 0120, fair to good reception. JUL 22 0215 - Teletalk, QRN poor signal. JUL 23 0122 - Polish pop song with vocal and into an American rock piece with high pitched male vocal, loud & steady signal. JUL 25 0208 - Male Polish newscaster, fair signal. [Stromsted-MA]
- 234 LUXEMBOURG R Luxembourg Junglinster, JUL 22 0122 - Slow swing tune with female American vocal 1930's style, good signal/QRN. [Stromsted-MA]



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- 252 IRELAND New Atlantic 252 Clarkestown, JUL 22 0125 - Contemporary rock, female EE DJ, fast changeover. Loud signal. [Stromsted-MA]
- 270 CZECH REPUBLIC Cesky Rozhlas Uherske-Hradiste, JUL 17 0217 - Male vocal with piano-bumper - into male talk host with female caller followed by a fast rock piece with FF vocal, TOF beacon interference, good signal. JUL 19 0204 - Female Czech talk host with male caller then into rock music with Female vocal, fair/good signal. Retune 0300 heavy static, no signal. JUL 25 0210 - male & female DJ / talk hosts with caller, good to loud signal. Stromsted-MA]
- 531 SPAIN RNE R.5 synchronos, JUL 12 0047 - // 585 with Spanish talk by woman, then a bit of a Neil Diamond vocal. Telephone talk followed. Fair to good, over likely Madeira / Algeria mix. [Connelly*R-MA] JUL 21 0237 - Beatles music, good signal with het. JUL 22 0215-0230 - Latin influenced rock // 558 good. [Stromsted-MA] JUL 23 0203 - Fair. Man in SS // 585. [Dangerfield-PA] JUL 21 0450 - Good; telephone talk in Spanish, woman with ID, "En Radio Nacional..." [Conti-NH]
- 549 ALGERIA Chaîne 1, Les Trembles, JUL 12 0037 - monster carrier lightly modulated by Arabic talk. [Connelly*R-MA] JUL 21 0435 - Fair; Arabic music, strong het against CHLN 550, assumed Algeria as it was well beyond Saudi Arabia sunrise. [Conti-NH], JUL 23 0213 - Fair, Male vocal, Algerian music. [Dangerfield-PA]
- 549 IRELAND United Christian Broadcasters, Monaghan AUG 1 0033 - Tentative; Christian/gospel music on strong fade-ins. [Conti-MA]
- 558 SPAIN RNE5 R5 Synchronos, JUL 22 0215-0230 - Latin influenced rock // 531, good signal. [Stromsted-MA]
- 567 IRELAND RTE, Tullamore, JUL 11 0058 - First TA heard tonight. Pop music weak with splatter. 0250 - Contemporary music-fair/good signal. 0257 - Slow organ music interludes, good signal. JUL 17 0210-0225 - Country folk music into Dixie tune, guitar & banjo with Southern male singer. Strong signal. JUL 19 0249 - Song "I love you so much it hurts me" Female vocal to good peak-[Stromsted-MA] JUL 16 0128 - Fair, Man-woman conversing. [Dangerfield-PA] JUL 21 0358 - Good; 5th Dimension "Up Up and Away," news and weather, Radio One ID. [Conti-NH]
- 585 SPAIN RNE1 Madrid, JUL 13 0310+ - Spanish folk song, guitar & vocal, good signal. [Stromsted-MA] JUL 13 0405 - Good; man with telephone interview in Spanish, the strongest transatlantic signal tonight. [Conti-NH] JUL 12 0035 - // 855 with part of a vocal, then in-studio talk by man & woman in Spanish; fair. [Connelly*R-MA]
- 603 FRANCE France Bleu, Lyon, JUL 12 0049 - // (loud) 1206 with old-fashioned French male vocal; to fair peak over presumed Spain / Madeira. [Connelly*R-MA]
- 603 FRANCE R. Bleu, Lyon, JUL 13 0250 - Rock & pop, good // 864, good. [Stromsted-MA]20
- 612 MOROCCO RTM, Sebba-Aioum, JUL 12 0052 - // 819 with Arabic a cappella vocal, then talk by man. 612 had the stronger carrier, but 819 had better audio. [Connelly*R-MA]
- 639 SPAIN Synchronos RNE1, JUL 13 0142 - Deep voiced teletalk host to female caller, good signal. [Stromsted-MA]
- 657 SPAIN RNE R.5, Madrid, JUL 12 0054 - // 585 with soft-voiced Spanish talk by man (late night "romantic" show ?); good. [Connelly*R-MA]
- 666 PORTUGAL RDP Antena 1, Lisboa & Vila Real, JUL 12 0128 - // Madeira-1125 with 1960's Stax-Volt type soul vocal; fair to good. [Connelly*R-MA]
- 675 NETHERLANDS R10 Lopik, JUL 10 0125 - Pop Western music poor in WRKO slop. JUL 19 0231 - Dutch talk then slow American dance tune with male vocal poor. [Stromsted-MA]
- 684 SPAIN Seville, JUL 23 0157 - Best in weeks with Spanish music. [Dangerfield-PA]
- 711 FRANCE R. Bleu, Rennes, JUL 12 0056 - // 1206 with pop group vocal; over 50 Hz growl from Western Sahara on 711.05. [Connelly*R-MA] JUL 13 0135 - Same as // 864 with low frequency rumble. [Stromsted-MA]
- 738 SPAIN RNE R.1, Barcelona, JUL 12 0057 - fast Spanish talk by woman; to good peak, getting past CHCM. [Connelly*R-MA]
- 747 HOLLAND Flevoland JUL 07 0112 - Classical music program Fair/good peak. JUL 09 0117 Slow rock tune, then, Dutch Male caller to Female talk host. Fair peak. JUL 25 0052 - Teletalk/Dutch, then pop music with male vocal, fair signal. [StromstedMA]
- 756 GERMANY DR Ravensburg/Braunschweig, JUL 04 0135 - Classical piano and clarinet, fair // 253. Good. JUL 09 0112 - Operatic piece Fair/good. JUL 10 0120 - Piano piece, fair. [StromstedMA]
- 756 SPAIN R. Euskadi Bilbao, JUL 13 0311 - Guitar selections, good signal no DR under. [Stromsted-MA]
- 774 SPAIN RNE R.1 synchronos, JUL 12 0032 - // 855 & others with Spanish teletalk by man & woman; to fair peak over Arabic station. [Connelly*R-MA]

Rec.

Radio Exterior de España

Radio española que se escucha en todo el mundo

- 16
- 783 MAURITANIA ORTM, Nouakchott, JUL 12 0004 - // 4845 with two men in Arabic having a discussion including political terms such as "Jumhuriyat" (republic); fair. [Connelly*R-MA] AUG 1 0007 - Good; African drum and vocal parallel 4845. [Conti-MA]
- 792 FRANCE France Bleu, Limoges AUG 1 0010 - Good; pop vocal parallel 1206. [Conti-MA] JUL 13 0240 - Fair; pop French vocal parallel 1206. [Conti-NH]
- 819 MOROCCO RTM, Rabat, JUL 12 0052 - // 612 with a cappella vocal, then man in Arabic; to good peak, about equal to WNYC-820. [Connelly*R-MA]
- 837 CANARY ISLANDS // SPAIN COPE synchros, JUL 12 0006 - Spanish news; hetted by Azores-836. [Connelly*R-MA] JUL 27 0115 - Good, with male pop vocal. Hadn't been heard for a couple of months. [Dangerfield-PA]
- 837 FRANCE R. Bleu Nancy, JUL 10 0115 - French pop music, vocal chorus, good signal [Stromsted-MA]
- 855 SPAIN RNE R1 Sevilla, JUL 13 0225 - Call in teletalk poor // 639 & 585, poor. [Stromsted-MA]
- 864 FRANCE R. Bleu, JUL 10 0129 - Rock male vocal, poor signal, // 711. JUL 13 0135 American contemporary tune with Female lyrics, good/excellent signal // 945 poor // 1206 big signal. 0317 "Bonjour Pascal pour votre entrevue" male/male teletalk, good signal 603 poor // 837 poor. [Stromsted-MA]
- 864 EGYPT Egyptian Radio Santah, JUL 22 0133 - A cappella holy music, alone on channel, poor/fair peak. [Stromsted-MA]
- 873 SPAIN SER synchros, JUL 13 0225 - Teletalk // 1044, poor. [Stromsted-MA]
- 882 ENGLAND BBC Wales Washford, JUL 05 0239 - English commentary, fair with WCBS het. [Stromsted-MA]
- 855 SPAIN RNE R.1, Murcia et al., JUL 12 0007 - Spanish vocal, then talk by woman; fair. + JUL 12 0032 - // 585 & others with Spanish teletalk by man & woman; fair. [Connelly*R-MA]
- 864 FRANCE France Bleu, Paris, JUL 12 0134 - // 1206 with French dance / disco vocal; poor. [Connelly*R-MA]
- 891 ALGERIA Chaîne 1, Algiers, JUL 11 2359 - Arabic talk; to fair peak with WBPS phased. [Connelly*R-MA]
- 909 UNITED KINGDOM BBC, Moorside Edge et al., JUL 12 0135 - English talk; poor to fair through WABI slop. [Connelly*R-MA] JUL 13 0236 - BBC News // 693 poor. JUL 22 0150 - Scott Fitzgerald era, good signal // 5975. [Stromsted-MA]
- 936 MOROCCO (t) RTM, Agadir, JUL 12 0137 - jumbled mess had bits of Arabic music in it. [Connelly*R-MA]
- 945 FRANCE France Bleu, Toulouse, JUL 12 0138 - // 1206 with lounge-style French male vocal; fair to good. [Connelly*R-MA] JUL 0120 - French pop tune Female vocal and American pop tune, Female vocal "I love you" Good signal also // 1206 // 1377, both good. [Stromsted-MA] AUG 1 0040 - Excellent; pop music parallel 1206. [Conti-MA]
- 981 ALGERIA Radiodif. Algerienne, Algiers, JUL 11 2358 - male Arabic chanting at light audio level on huge carrier: this was generally the strongest of the pre-sunset TA's. [Connelly*R-MA]
- 1008 unID JUL 11 0141 - back-to-back mellow vocals; pretty good strength at times. Canary Islands or Holland are possible. [Connelly*R-MA]
- 1008 HOLLAND R. 5 Flevoland, JUL 22 0237 - Rock music, fair. [Stromsted-MA]
- 1035 PORTUGAL R.Comercial/Nacional, Porto Alto/Lisboa AUG 1 0220 - Good; ad/promo string with a man and woman in Portuguese, pop music. [Conti-MA]
- 1044 SPAIN SER synchros, JUL 12 0120 - scratchy Spanish teletalk; to fair peak. [Connelly*R-MA]
- 1053 UNITED KINGDOM Talk Sport synchros, JUL 12 0143 - teletalk mentioning bad driving; fair. [Connelly*R-MA]
- 1089 UNITED KINGDOM Talk Sport synchros, JUL 12 0146 - talkshow host said that London has become a big ethnic mix "just like America". (I'm not sure whether he considered this a good or a bad thing.) Loud signal, better than WBAL-1090. [Connelly*R-MA]
- 1098 SLOVAKIA R. Slovensko, Velke Zaluzie, JUL 12 0148 - vocal sounded like a remake of soul oldie "People Get Ready". Slavic talk by woman followed. Good / dominant. Bits of seemingly-parallel audio noted on 702. [Connelly*R-MA] JUL 22 0147 - Western dance tunes, good signal Female EE vocalist. [Stromsted-MA]
- 1098 SPAIN RNE R.5 synchros, JUL 12 0032 - // 855 with Spanish teletalk; poor to fair, later covered by Slovakia. [Connelly*R-MA]
- 1107 SPAIN RNE R.5 synchros, JUL 12 0032 - // 855 with Spanish teletalk; poor. [Connelly*R-MA]
- 1125 MADEIRA Centro Regional da RDP, Ponta do Pargo, JUL 12 0128 - // 666 with old Memphis-style soul vocal; barely over Spain/Croatia mix. [Connelly*R-MA]
- 1134 CROATIA Hrvatsky Radio Zadar, JUL 10 0115 - European pop music, heavy splatter from 1130 (Bloomberg Radio). [Stromsted-MA] JUL 12 0125 - blues influenced vocal, then electric organ with Slavic pop vocal; very good, over Spain. [Connelly*R-MA]
- 1134 SPAIN COPE synchros, JUL 11 2352 - Spanish talk; mixing with, then subsequently covered by, Croatia. [Connelly*R-MA]
- 1152 SPAIN RNE R.5 synchros, JUL 12 0123 - Spanish talk; mixed with second station (probably Romania). [Connelly*R-MA]
- 1179 unID JUL 12 0121 - vocal music; not // SER-1044 so possibly Greece or Sweden. [Connelly*R-MA]
- 1179 SWEDEN R. Sweden Solvesborg, JUL 11 0115 - (Presumed) Classical music with Female vocal, weak signal. [Stromsted-MA]
- 1179 unID AUG 1 0109-0116 - Light vocals with brief fade-ins over Canary Islands/Spain, perhaps Sweden. [Conti-MA]
- 1188 HUNGARY VOA/RFE Szolnok/Szombathely AUG 1 0103 - Tentative; continuous pop/rock music. [Conti-MA]
- 1197 unID AUG 1 0048 - Good; uninterrupted classical piano instrumentals. [Conti-MA]
- 1197 ENGLAND Virgin Radio synchros AUG 1 0010 - Fair; Aerosmith "Walk This Way" into news. [Conti-MA]
- 1206 FRANCE France Bleu, Bordeaux, JUL 9 0354 - French talk. [Connelly*B-MA] + JUL 11 2349 - fair at fade-in with Barbra Streisand or similar vocal. [Connelly*R-MA] Pop French song with F FF vocal // 1376, poor. JUL 10 0033 - Song "Georgia" male vocal, good signal followed by French pop song, male vocal, good signal (still daylight!). [Stromsted-MA] AUG 1 0042 - Outstanding signal, local-like reception! Continuous pop vocals. [Conti-MA]
- 1215 UNITED KINGDOM Virgin R. synchros, JUL 12 0100 - advertising with mentions of Blackpool, fun-fairs, carnivals. Rock music, possibly Sheryl Crow, followed. To good peak, well over Spain and stronger than WPHT-1210. + JUL 12 0116 - "The Sweetest Thing" by U2; loud. [Connelly*R-MA] JUL 04 0206 - Rock male EE vocal, fair. JUL 05 0256 - Beatles music "I do it my way, we can work it out". News headlines 0300/0303, more music, good signal. JUL 22 - Female newscaster, headlines, then male DJ into Bruce Springsteen piece, fair/good signal. [Stromsted-MA]
- 1215 SPAIN Cope synchros, JUL 06 0340 - Two men SS in discussion over Virgin Radio fair. [Stromsted-MA] AUG 1 0011 - Fair; talk in Spanish over Virgin Radio. [Conti-MA]
- 1224 PAIN COPE synchros AUG 1 0013 - Fair; talk in Spanish parallel 1215, over unID stations. [Conti-MA]
- 1251 LIBYA Libyan Jamahiriya Broadcasting, Tripoli AUG 1 0018 - Assumed this with North African music, a strong signal but weak audio. [Conti-MA]
- 1287 SPAIN SER synchros AUG 1 0216 - Fair; telephone talk in Spanish parallel 1044. [Conti-MA]
- 1296 SUDAN Sudan National Broadcasting Corp./R.Omdurman, Reba AUG 1 0159 - Strong fade-in with interval signal, later with Koranic recitations heard under Spain and an unID station. [Conti-MA]
- 1296 SPAIN COPE, Valencia, JUL 9 0401 - COPE network Spanish news; poor. [Connelly*B-MA] JUL 17 0418 - Good, man-woman in SS talk. [Dangerfield-PA]
- 1296 ENGLAND BBC World Service, Orfordness AUG 1 0201 - Tentative; very brief good signal with news in English. [Conti-MA]
- 1305 SPAIN RNE synchros AUG 1 0020 - Talk in Spanish through sub-audible het or rumble. [Conti-MA]
- 1314 SPAIN RNE synchros AUG 1 0021 - Talk in Spanish parallel 1305, over an unID station perhaps Norway. [Conti-MA]
- 1314 NORWAY NRK Kvitsoy, JUL 04 0202 Female Norwegian newscaster headlines, more music follows, poor to good peak. JUL 20 0111 - Pop music into deep fade. 0206 slow contemporary rock Male EE vocal, fair/good peak (long fade cycle). JUL 22 0232 Dance music, then, Beatles, huge signal! [Stromsted-MA]
- 1359 SPAIN Arganda, JUL 11 2320 - bits of audio and big het against CKBC with WLYN nulled. First pre-sunset TA fade-in this afternoon. [Connelly*R-MA] JUL 17 0415 - Strong, man-woman talking. [Dangerfield-PA]
- 1377 FRANCE France Bleu, Lille, JUL 12 0104 - // 1206 with emotional French female vocal; good, sometimes stronger than adjacent St. Pierre - 1375. [Connelly*R-MA]
- 1404 FRANCE France Bleu synchros, JUL 12 0159 - // 1206 with jazz-rock female vocal with refrain "Fall in Love"; poor. [Connelly*R-MA]
- 1413 SPAIN RNE synchros AUG 1 0150 - Fair; telephone talk in Spanish. [Conti-MA]
- 1422 GERMANY DeutschlandRadio, Heusweiler, JUL 12 0106 - classical piano music and operatic male vocal; very good. [Connelly*R-MA] JUL 11 - Operatic male vocal with piano poor/fair. [Stromsted-MA]
- 1467 FRANCE TWR, Roumoules, JUL 9 0351 - religious vocal; poor. [Connelly*B-MA]



- 1494 FRANCE France Bleu synchros, JUL 12 0154 - // 1206 with French female ballad; to fair peak. [Connelly*R-MA] AUG 1 0140 - Fair; pop music parallel 1206. [Conti-MA]
- 1502 ANGOLA E.P. de Benguela, JUL 12 0108 - African sounding music and muffled talk; poor, hotted by Iran-1503. [Connelly*R-MA]
- 1503 IRAN (t) IRIB, Bushehr, JUL 12 0023 - Islamic / Koranic style music; mushy / compressed audio; hotted by Angola-1502. There was a big signal from VOA Kuwait at the time, so propagation was certainly viable. [Connelly*R-MA]
- 1512 SAUDI ARABIA BSKSA Jeddah, JUL 09 0109 - Male Arabic a cappella religious vocal, low modulation, fair signal. [Stromsted-MA]
- 1521 SPAIN SER, Castellon, JUL 9 0349 - // 1575 with Spanish talk; poor in WWKB slop. [Connelly*B-MA] JUL 11 2338 - SER program starting to fade in; hotted by WGAM/WTHE/WWKB jumble. [Connelly*R-MA] JUL 17 0357 - Good with soft music, later man in SS. [Dangerfield-PA]
- 1521 SAUDI ARABIA BSKSA, Duba, JUL 12 0201 - monster S9+30 pre-sign-on blank carrier; audio from 2 other stations (Spain, UK ?) noted under. [Connelly*R-MA]
- 1530 SÃO TOME E PRINCIPE VOA Relay, Pinheira, JUL 9 0345 - "VOA News Now" mention, then talk about a motorcycle company helping the Make-a-Wish Foundation; huge signal, way over WSAI. [Connelly*B-MA]
- 1548 KUWAIT VOA Relay, Kuwait City (Kabd), JUL 12 0018 - strong with VOA English news about the investigation of Congressman Gary Condit and the disappearance of Chandra Levy. Parallel to 7405 kHz, but audio was delayed about a second from the 7405 feed. [Connelly*R-MA] JUL 09 0105 - "Slow English" program, special on the old Rt. 66 with musical excerpts from Glenn Miller's swing tune "Rt. 66". [Stromsted-MA] (Glenn Miller? Jim)
- 1575 SPAIN SER synchros, JUL 9 0349 - Spanish teletalk; poor to fair. [Connelly*B-MA]
- 1584 SPAIN / CEUTA (?) JUL 11 2337 - two audios here so perhaps Ceuta back on channel (ex-1583.65). Early receptions were dogged by QRN from a thunderstorm just off shore: by the time it got dark, the QRN wasn't as bad. [Connelly*R-MA]

Jim speaks: "I hooked up the short antenna tonight, JUL 27, and quickly found decent Longwave TA signals as follows: 162 France - music, 183 Germany - music, 189 Iceland - lite American rock, 198 UK - English talk, 216 Monaco/France - French talk, strongest signal of the bunch, 225 Poland? - faint music, 234 Luxembourg - music, 252 Ireland - pop music, English announcer. And then again on AUG 4 I noted 153, 162, 180, 183, 189, 198, 207, 216, 225, 243, and 252. Not bad, not bad at all, in the middle of JUL, with just the "junior" antenna aimed southwest!"



PAN-AMERICAN DX

- 530 TURKS & CAICOPS IS. R. Vision Christiana, JUL 30 0402 - Excellent EE ID at 0402 "This is WWRV 1330 Patterson, NJ and International Radio Vision Christiana, Turks and Caicos Is, British West Indies." [Rippel-VA] JUL 10 0308 - man preaching in spanish. Loud signal, despite some static scratches. [Chiochiu-PQ]
- 570 MEXICO XEUK Caborca, SO, JUN 12 0539 - SS CHR and IN STEREO. [Redding-AZ]
- 650 MEXICO XETNT Los Mochis, SI, JUN 12 0553 - playing grupera in stereo. [Redding-AZ]
- 750 VENEZUELA YVKS Radio Caracas Radio, Caracas, JUL 10 0310 - bits of woman talk in spanish, heard through WSB. [Chiochiu-PQ]
- 920 MEXICO XEBH Hermosillo, SON, JUL 15 0100 - slogan "Lo Mejor, Nueve Veinte" playing SS CHR in Stereo. [Redding-AZ]
- 950 MEXICO XEKAM Tijuana, BCN, JUN 12 0605 - with woman in SS with what seems to be newstalk under XEPB. [Redding-AZ]
- 1050 MEXICO XEG Monterrey, NL, JUN 12 with ranchera/corridos, in Stereo. [Redding-AZ]

INTERNATIONAL NEWS

AZERBAIJAN: The Azerbaijani telecom provider Teleradio has installed a new 1 kW MW transmitter for Azerbaijani Radio in the town Sixli (Qazax district) in NW Azerbaijan, near the border to Georgia. The frequency is not known, but might be the new 1359 kHz which was observed with AZR2 during the last months. [Bernd Trutenau via MWDX 21.06.2001 in ARC InfoDesk e-mail JUL 9]

FRANCE: The Allouis LW transmitter on 162 kHz now runs on half-power (1 MW instead of 2 MW) between 1900 and 0400 UTC, previously it was on HP between 2200 and 0330. During the winter it will reduce power as early as 1700 UTC. This was decided by Radio France (not TdF) because they want to reduce the power bill. Anyway nobody listens to that station as the programme goes out in // on FM. Original info: Thierry Vignault, via Rglobe-L mailing-list. [Rémy Friess in MW Circle e-mail list]

GERMANY: 630 Mega Radio now also here, using 100 kW from the DLF Braunschweig/Königsutter

site, next to the village of Scheppau. 630 is almost as strong as 756 here - but only until 1700. I found that at 1700 the signal drops by roughly 5...10 db. This switch takes place with a carrier cut of about two seconds. 630 is on the air 24 hours. (Kai Ludwig 21.5.2001) According to an ITU circular Braunschweig 630 has been coordinated for 100/16 kW non-directional. (ITU via BT/OA) 693 Berlin has now been switched off. (Kai Ludwig 21.5.2001) 1431 Mega-Radio Wilsdruff appears to be operating at full power (250 kW?) from late June. (Kai Ludwig) German plans reported to the ITU: 738 Stuttgart 5 kW, 819 Regensburg 1 kW, 945 München and Nürnberg, each 1 kW, 981 Augsburg 5 kW, 1386 Würzburg 5 kW, 1539 Bitburg-Eiffel 1 kW. (ITU via BT/OA) (These items all from ARC InfoDesk e-mail JUL 9)

IRELAND: 1431 Ireland wants to coordinate this frequency for use in Cork and Dublin with 6.8/0.68 and 4/1 kW, respectively. [ITU via BT/OA in ARC InfoDesk e-mail JUL 9]

SPAIN: From the beginning of JUL and after 75 years of history, Radio España, Madrid (954) it doesn't exit. The owner (Grupo Planeta, an editorial) decided to close the station after more than 30 million euro losses. At this time, you can listen to ONDA CERO RADIO, MADRID on this frequency. Grupo Planeta want to buy 19% of the CADENA COPE stocks, so I'm afraid the worst. [Ignacio Sotomayor, Spain, via Mike Barraclough" <mikewb@dircon.co.uk>, this from the mwdx Yahoo group list in MW Circle e-mail list]

UNITED KINGDOM: 1296 - The Dutch commercial broadcaster Radio Nationaal, which went off the air earlier this year due to financial problems, has announced that it will return to the air on 1 JUL on 1296 kHz at 1000 UTC from the high power transmitter at Orfordness in the UK. The station's director, Mr. K. van Cooten, says the station can no longer wait for a definite Cabinet decision about a future frequency allocation in The Netherlands. Van Kooten says the station will also be available on Dutch cable systems. Radio Nationaal plays only Dutch music, but the power of the signal on 1296 kHz means it will now be able to cover Belgium as well. [© Radio Netherlands Media Network 13 June 2001 via ARC InfoDesk e-mail JUL 9].

CONTRIBUTORS

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Mark Connelly, Billerica MA, also DX'ing from Rockport MA; Drake R8A, broadband loop, active whip, "Kaz" antenna, Superphaser-1 phasing unit. <MarkWA1ION@excite.com>

Bruce Conti, Nashua NH; R8B, MWDX-5, 30-m wire, 30-m east sloping wire, noise-reduced via 4:1 RF matching xfms and buried coax., "DX Clams" at Granite Pier, Rockport MA; R8B, MWDX-5, 3 X 3-m square loop, inverted-L 12-m sloping wire off a 6-m makeshift PVC tower. <BACONTI@aol.com>

Benjamin Dangerfield, Wallingford PA; R8A, 4 slopers, DXP-3A phasing unit. <ben-dangerfield@worldnet.att.net>

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Chuck Rippel, Cornland VA; Racal 6790GM and Harris RF-590, antennas were 160m dipole @100' and south oriented beverage. <win.308@home.com>

Erik Stromsted W1ZBT, Pepperell MA; Yaesu 1000MP. Antenna is a 500 meter terminated Long Wire aimed NE (toward Europe).. <microwaveadvances@charter.net>

LARRY SHEWCHUK

"I am very sad to report long time DX'er Larry Shewchuk who was well known here in Canada for his writings on air programs and his DX exploits has passed away. Larry loved AM LW and SW DX'ing. Larry and I have been DX buddies for over 15 years and he will be missed by myself and all who knew him. He was great to be around and made every DX'pedition we went on a fun time. He was always willing to share his ideas his stories and his food. I learned a lot about DX'ing while on DX'peditions with Larry and if the DX ran out his stories never did. Larry wrote for CIDX for many years and worked at the CBC on AM radio here in Winnipeg, Newsworld and Radio Canada International. Larry, where ever you are I hoist a Sam Adams as I listen to a Yugoslavian folk song in your honour." [Shawn Axelrod]

EMWG

As far as the European Medium Wave Guide is concerned, I have a lot of catching up to do as I received quite interesting information from Switzerland and Slovakia, among others. I believe the number of changes, additions, etc. will justify publishing a new edition before the start of autumn. I have had little reaction to the web site part of the EMWG. Should anyone have any good suggestions for specific web sites to be added, don't hesitate to contact me. Herman Boel <hb@village.uunet.be>.

AN AMERICAN DXer IN LONDON

Rick Kenneally, JUL 10, 2001

I had to travel to London for a few days, the first of what may be several business trips. Though I've traveled to London before, I've never DXed from there. This time, I decided to pack a radio and start a log. In preparation, I wrote to *Medium Wave Circle* for a recent London bandscan, and they didn't have anything available (at least not downloadable for free). Hopefully, this will prove a useful bandscan to anyone traveling here in the future. As you will see, I didn't get through much of the band, largely because it takes me a while to ID stations that are not in English. Any gaps in frequency are because I didn't get to it, not because there was nothing there. I am not a shortwave DXer, so my language recognition skills are awful, which slows down station identification. Conditions were pretty rotten. My hotel was steel-framed, so reception was only possible directly in front of the room's one window, which was set too high to sit comfortably in front of. Also, as luck would have it, the one evening I set aside exclusively for DX was the one evening that thunder storms rolled through the area. Nevertheless, it was great fun to hear the band from a European perspective. The variety of languages and types of stations is amazing as compared to the U.S. My equipment is a Sony 7600G (with synch feature) and a Gerry Thomas Q-Stick passive LW/MW loop antenna Velcroed to the top. This is the first time I've done any DXing with this combination, and it is excellent given its portability. The synch feature made the difference on many occasions, so I got into the habit of scanning with synch on all the time. The Q-Stick proved effective on both MW and LW. I recommend this as an ultra-light DXing solution for travelers. MANY thanks to Herman Boel and his European Medium Wave Guide - it was so much more functional than the WRTH would have been. Location is hotel near Regents Park, London. Times are GMT.



- 153 GERMANY Deutschlandfunk, Donebach, JUL 2 2211 - Clear and strong - International news mentioning Milosevic's trial. Deutschlandfunk ID at 2200.
- 162 FRANCE France Inter, Allouis, JUL 2 2212 - Also strong - Slow, contemporary French vocals, then discussion between 2 men. Some audio underneath, but couldn't get the language.
- 171 MOROCCO Radio Mediterranee, Tangiers, JUL 2 2215 - Weak signal w/QRM from France-162, needed synch to get audio - Music & French talk // 9575.
- 177 GERMANY Deutschlandradio Berlin, Zehlendorf, JUL 2 2225 - Radio drama of some kind with a Souza march as background music.
- 183 GERMANY Europe 1, Felsberg, JUL 2 2230 - Presumed with fair signal & French pgming - woman announcer talking to man on what sounded like cell phone.
- 198 ENGLAND BBC Radio 4, various, JUL 2 2155 - Very strong - Political discussion re legalization of drugs. Mentioned Radio 4.
- 207 GERMANY Deutschlandfunk, Aholming, JUL 2 2030 - Nice alto sax piece, then German talk between woman in studio & man remote. Fair signal over another station playing Middle Eastern string instrumental.
- 225 POLAND Radio 1, Solec Kujawski, JUL 2 2240 - Presumed with group discussion and much laughter - at least 2 men and 2 women. Believe language was Polish.
- 234 LUXEMBOURG R. Luxembourg, Junglinster, JUL 2 2245 - Great signal - EE rock song "Take a Little Time Out of Your Day", then into another basic Tom Petty-like rock song.
- 243 DENMARK Danmark Radio 1, Kalundborg, JUL 2 2247 - Presumed weak station with English talk show "Clive" w/callers talking about Barry George verdict. Local ID "RTL". —JUL 3 0740 w/woman in Danish talking over piano rendition of "My Way".
- 252 IRELAND Atlantic 252, Clarkstown, JUL 2 2255 - Very strong with protest rap song (sampling Bruce Hornsby, of all things) "That's Just the Way It Is".
- 277 ENGLAND CHT code beacon, Chiltern - Good signal - limited programming.
- 540 BELGIUM VRT Radio 2, Waver-Overijse, JUL 3 0640 - Fair signal but quite clear w/language similar to German. Man announcing news stories & woman commenting - later on w/English pop songs.
- 549 GERMANY Deutschlandfunk, various, JUL 3 0644 - Weak but readable with current morning news stories by man.
- 558 ENGLAND Spectrum Radio Int'l, Crystal Palace, JUL 3 0648 - Very strong local w/young sounding man & woman hosts featuring contemporary Indian music.
- 567 IRELAND RTE Radio 1, Tullamore, JUL 3 2245 - Good signal over growing storm static w/Irish-accented men discussing a festival at Carmel(?).
- 585 SPAIN R. Nacional 1, Majadahonda, JUL 3 2255 - Man & woman talking in Spanish - they

seemed to be disagreeing, and she was wining (story of my life - RWK). Another strong station underneath w/slow EE R&B vocals.

- 603 ENGLAND Capital Gold, Littlebourne, JUL 3 0650 - Fair during day w/oldies. DJ gave stn address for requests, then played "Breakfast Bleep" game.
- 621 BELGIUM RTBF La Premiere, Waver-Overijse, JUL 3 2022 - Presumed with woman in what sounded like French, then into classical piano.
- 630 ENGLAND Three Counties Radio, Luton, JUL 3 2024 - South Asian music, then interview of 1 man by another, then interviewee started singing a cappella.
- 648 ENGLAND BBC World Service, Orfordness, JUL 3 1857 - Monster signal with Top 20 pop countdown - no. 1 song "The Way to Your Love" by Hearsay.
- 675 NETHERLANDS Radio 10 FM, Lopik, JUL 3 1854 - Very local-like signal with English adult contemporary music - a couple obscure oldies & several 70s-sounding pop songs I didn't recognize.
- 711 FRANCE France Bleu, Rennes, JUL 3 2028 - French man interviewing woman over phone, then funky big band blues (nice horn section) with vocals in French.
- 720 ENGLAND BBC Radio 4, various, JUL 3 1905 - Local signal with disturbing story about a man's poor treatment in an Edinborough infirmary.
- 729 ENGLAND BBC Essex, Manningtree, JUL 3 2040 - Weak but clearly // 765.
- 747 NETHERLANDS Radio 1, Flevoland, JUL 3 2054 - Man talking in Dutch mentioning "American Jazz" & "Chicago".
- 765 ENGLAND BBC Essex, Chelmsford, JUL 3 2047 - Oldie "Summer Breeze" & English DJ // 729.
- 738 GERMANY MDR-Info, Leipzig-Wiederau, JUL 3 2105 - ID at 2105 - the word "Info" stood out. The into news about Milosevic. // 882
- 792 FRANCE France Bleu, Limoges, JUL 3 2110 - Moderate signal with French radio drama featuring distinctive, deep-voiced man narrating. Parallels heard on 711, 792, 837, 862, 945, 1206, 1377, 1494 and 1557.
- 810 SCOTLAND BBC Radio Scotland, various, JUL 3 2059 - Man w/weather then "This is BBC Radio Scotland" then news about Siberian plane crash.
- 828 NETHERLANDS Arrow Classic Rock, Rotterdam, JUL 3 2100 - Great signal all night. 3 pips at top of hour, then "Arrow Classic Rock", then song "You're as Cold as Ice".
- 837 FRANCE France Bleu, Nancy, JUL 3 2110 - Dominating over weak voice underneath. //711/792/837/862/945/1206/1377/1494/1557
- 846 ITALY RAI Radio Due, Rome, JUL 3 2125 - Man & woman trading off reading news stories. Growing storm QRM eventually ended night's DX.
- 855 SPAIN Radio Nacional 1, various, JUL 3 2130 - Very good w/man speaking Spanish - sounded like remote audio, possibly over telephone.
- 864 FRANCE France Bleu, Paris, JUL 3 2110 - Monster signal //711/792/837/862/945/1206/1377/1494/1557
- 873 GERMANY Armed Forces Network, Frankfurt, JUL 3 2135 - Surprise to hear Bob Uecker calling a game between St. Louis & Milwaukee. Several stations underneath.
- 882 WALES BBC Radio Wales, various, JUL 3 2141 - Fair over Germany w/Interview w/someone over the phone. Slight echo from multiple transmitters.
- 882 GERMANY MDR-Info, Wachenbrunn, JUL 3 2141 - Weak u/BBC w/woman talking in German - clearly //783.
- 891 NETHERLANDS Radio 5, Hulsberg, JUL 3 2138 - Short martial musical piece then man speaking Dutch in radio drama - sound effects included a group of actors howling like wolves.
- 900 ITALY RAI Uno, Milano, JUL 3 2159 - Beautiful ID giving different frequencies, then "RAI Radio Uno" by woman.
- 909 ENGLAND BBC Radio 5, various, JUL 3 2155 - Superlocal with sports call-in show.
- 927 BELGIUM VRT Radio 1, Wolvertem, JUL 4 2054 - End of opera piece, then man & woman discussing in German.
- 936 GERMANY R. Bremen 1, Bremen-Oberneuland, JUL 4 2100 - Arabic programming made me think I had Morocco until programming ended and station gave "R. Bremen" ID in German.
- 936 SPAIN R. Nacional 5, various, JUL 4 2104 - Nulling Germany revealed Spain w/woman talking - sounded like extended news story. Heard one "R. Nacional" mention.
- 945 FRANCE France Bleu, Toulouse, JUL 4 2100 - Apparent continuation of radio drama from prior night w/same deep-voiced man in French //862.
- 954 SPAIN R. Espana, Madrid, JUL 4 2106 - "R. Espana" mentioned above mush - sounded like low-key coverage of a sporting event.



- 963 ENGLAND Liberty Radio, East London, JUL 4 2110 - Local station w/female vocals - not surprising as this station carries programming for women.
- 972 ENGLAND Liberty Radio, Southall, JUL 4 2110 - //972, but not as strong.
- 990 GERMANY Deutschlandradio Berlin, Berlin-Britz, JUL 4 2114 - Strong w/multi-ethnic music & German commentary. Deep fades occasionally allowed Spain to dominate.
- 990 SPAIN SER synchros, various, JUL 4 2115 - Spanish talk in Germany's null //1026.
- 999 SPAIN COPE Madrid, Madrid, JUL 4 2119 - Fair w/"En Cadena COPE" then group of men talking.
- 1008 NETHERLANDS Radio 5, Flevoland, JUL 4 2121 - Very good w/man speaking Dutch - sounded as if on distant telephone connection.
- 1017 GERMANY Sudwestrundfunk 1, Wolfsheim, JUL 4 2256 - Good w/German woman giving intro to an English song that I didn't recognize.
- 1026 SPAIN SER synchros, various, JUL 5 2256 - Man in Spanish echo from at least 3 different stations (quite an effect).
- 1035 ENGLAND Ritz 1035 AM, London, JUL 3 2257 - Monster signal with US C&W song.
- 1044 SPAIN SER synchros, various, JUL 4 2122 - Men talking //1026.
- 1044 GERMANY MDR-Info, Wilsdruf, JUL 3 2150 - Deep under others, but clearly //783.
- 1053 ENGLAND TalkSPORT, various, JUL 3 2258 - East End caller complaining about a sports figure's ego
- 1062 DENMARK Danmarks R. Program 3, Kalundborg, JUL 4 2135 - French woman singing slow torch songs - some English & some French, then men talking in Danish after music. Very professional, well-produced programming.
- 1089 ENGLAND TalkSPORT, various, JUL 3 2259 - Huge local signal // 1053.
- 1098 SLOVAKIA R. Slovensko, Velke Zaluze, JUL 3 2300 - Beautiful, clear signal with bouncy/echoing time pips - 5 short 1 long - then musical chimes then "R. Slovensko" ID by woman.
- 1098 SPAIN R. Nacional 5, various, JUL 4 2132 - Over Slovakia w/man in Spanish - multi-station echo.
- 1143 GERMANY Armed Forces Network, JUL 3 2135 - Almost unreadable, but clearly // 873.
- 1179 SWEDEN Sveriges Radio 1, Solvesborg, JUL 4 2144 - Excellent signal w/English program about Swedish geology in a particular region.
- 1188 BELGIUM VRT Radio 2, Kuurne, JUL 5 2205 - Mixing w/VOA-RFE w/German (I think) talk. Later, American oldie "You Don't Know What It's Like".
- 1188 HUNGARY R. Free Europe, Marcali, JUL 4 2200 - Man talking in Eastern European language & mentioning Serbia several times. Later, a loud & clear "R. Free Europe" ID in English.
- 1206 FRANCE France Bleu, Bordeaux, JUL 3 2102 - One of many w/French drama // 792.
- 1215 ENGLAND Virgin Radio, various, JUL 4 0855 - Typical Virgin R. rock w/lots of spots.
- 1377 FRANCE France Bleu, Lille, JUL 3 2105 - French drama //792 et al.
- 1485 ENGLAND Classic Gold, Newbury, JUL 4 2320 - Oldie by E.L.O., then man & woman discussing hot weather.
- 1494 FRANCE France Bleu, various, JUL 3 2105 - Weak u/storm static, but alone //711/792/837/862/945/1206/1377/1494/1557.
- 1512 BELGIUM R. Vlaanderen Int'l, Wovertem, JUL 5 0556 - Big, clear signal w/news in German.
- 1530 ENGLAND Classic Gold 954/1530, Cotheridge, JUL 3 2340 - Neil Diamond's "Sweet Caroline" then man "Classic Gold 9-5-4 & 15-30". Mixing w/"Big AM" & battered by storm QRM.
- 1530 ENGLAND Big AM, Huddersfield, JUL 4 0003 - Top of hour news by woman, then man w/"The weather from Big AM". Peaked above Classic Gold only occasionally.
- 1557 FRANCE France Bleu, Nice, JUL 3 2105 - Somone underneath, but France dominant //711/792/etc...
- 1602 SPAIN SER synchros, various, JUL 2 2355 - Tremendously monotonous Spanish talk for the full 45 minutes of tape. Mixing w/R. Vitoria, but never dominant.
- 1602 SPAIN R. Vitoria, Vitoria, JUL 2 2358 - Musical pgm hosted by low-voiced DJ who practically whispered between songs. Finally, a recorded promos & IDs near the top of the hour mentioning R. Vitoria.

[Rick Kenneally, Wilton, CT, <woodlandview@yahoo.com>]

CARIBBEAN CRUISE

By Paul Zecchino

A most discrete and enjoyable meeting was arranged with Mr. Kobayashi aboard a certain vintage cruise ship a short time back as this most seaworthy and elegantly decorated boat passed just west of Peninsula de Guanahacabibes, Cuba. This spit of land is the westernmost tip of the island presenting in appearance as an otherwise unremarkable sandbar. Mr.



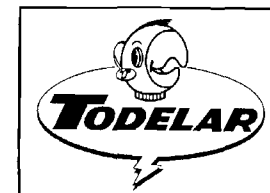
Kobayashi generously provided the patented Keyser Soze loop antenna for this scribe's most well-worn Sony '2010. Not one to leave ajar the door to chance, Mr. Kobayashi arranged for a Sangean '803 to serve as backup. Initial observations were that 570 Relej and 620 Rebelde were among the missing and in light of their fortitudinous omnipresence along the Florida Gulf coast, further speculation was raised that these signals may be strongly directional. Jamaica was weak on 700 and 720 whilst virtually all Florida west coast stations were clearly audible, including WENG 1530, a 1 Kw omni. In fact, this was heard with medium strength by day in Cozumel. The 1200 mystery station is R. Ariguanabo, location San Antonio de los Banos, Habana, with 250 watts. Soft music and softer announcements constitute a quite soothing format. Radio Sandino was heard briefly in the immediate area of the island on a frequency of 652.5 with religious sounding music and mention of "Caiman". Heard only while in close proximity to the island. Bearings from home place the possible transmitter site along a north-south axis from Habana southward. This seems at odds with WRTH site as Ciudad Sandino (help anyone - can't find on any map) in the Pinar del Rio province. Squealing jammer heard on 940 among other frequencies, heard in south Florida of late from about 800 to 950 KHz. On 1140 WQBA Miami was heard by day and night. Along with the night came the mystery jammer sounding somewhat akin to the control data channel of a trunked radio system. Bearings over several evenings from various well separated positions fixed this site to a few miles east of Habana. Bearings taken from the Florida mainland by a Mr. Dean Keaton corroborate this position fix. Bearing lines were identical with those for Progreso 640 and Musical 590 as well. Strong Radio Relej on 850, situated upon the lovely Isle of Pines. [Milspec390@aol.com]

DX CLAMS TESTIMONY

From: "Tom Walsh" <tomw@tiac.net> and Bruce Conti

A great time was had on Tuesday night (JUL 31) by a bunch of clam stuffed DXers. Clams at 5:30 followed by arrival at Rockport 1 hour before sunset. What a glorious evening. The sunset was spectacular and so was the DX. Europeans were pounding in on medium wave on my borrowed Palstar radio with just a 40 foot wire and no phasing. I couldn't believe the signals from France on 1206 and 945; Croatia on 1134. Nice shortwave signals too like 3366 blasting the meter until 0002 s/off. Add an R8, a little phasing, a loop, and a whip - like Mark and Bruce set up - and wow! The event of the night had to be Bruce's reception of Sudan on 1296 at 0200. What an interval signal and loud. Watch for Mark and Bruce's full report. Bruce had some very clever antenna structures built from pvc piping that he erected. It caught quite a few people's attention from the casual passers-by who were just enjoying the Rockport pier. But they really played. Bruce was trying out some new antennas and I think he left pretty happy. Those in attendance were: Mark Connelly, Bruce Conti, Gary Thorburn, Paul Graveline and yours truly. [Tom Walsh]

Distant baggage music delivered by light ocean breezes under a bright waxing full moon provided the perfect setting for the annual Boston Area DXers (BADX) "DX Clams" DXpedition to the Granite Pier in Rockport, Massachusetts. BADXers Mark Connelly, Gary Thorburn, Tom Walsh and I met earlier for a seafood dinner to set the mood (the total seaside DX experience). Later we met Paul Graveline at the Granite Pier, and under a picturesque sunset we were already getting a taste of what was to come. Consistently low to very low solar activity for most of the summer provided transatlantic reception to match the autumn-like weather defying the norm for the first of August. My catch of the day was Sudan on 1296 kHz, heard signing on before 0200 UTC with an interval signal. The signal was recorded and later matched with the Radio Omdurman interval signal found at www.intervalsignals.com on the Internet to verify reception (thanks to Gary Thorburn of BADX for the help). This was my first road-test of a super-sized loop versus wire phased antenna array. A 3-by-3-meters loop of wire was mounted on top of the car, connected via a 1:1 RF transformer and coax. A 6-m tall tower constructed of 1/2-inch PVC pipe was used to support a wire that was run vertical to the top of the tower and then sloped off the top to the ground. The wire was simply connected at the base of the tower via coax. The two antennas were phased by a classic MWDX-5 LC-tank unit. All this was designed to try to maximize signals from the desired direction with minimal loss or noise introduced. The tower will require some modifications as it took three tries to raise it; the first two times it collapsed under the light tension of the sloping wire. The big loop was listing to one side with the breeze but managed to hold together. Curious on-lookers wondered if we were expecting UFOs or alien encounters. The same antennas were pre-assembled and tested at home in New Hampshire, performing admirably with good reception of France on 1206 and Spain on 585. Reception and phase-nulling capabilities were outstanding at Granite Pier.



Professional Sports Networks

Barry S. Finkel bsfinkel@ANL.gov

10314 S. Oakley
Chicago, IL 60643-2409

Network listings for team sports stations

It is football time again. I have one National Football League (NFL) network list (NY Jets), and I have no flagship list. Please send me any information that you have.

Here is the Canadian Football League (CFL) flagship information for the 2001 season from Morris Sorensen, who writes, "Based on my own monitoring, Internet sources, and input from DXers Mark Coady, Eric Floden, Mickey Delmage, and Terry Keyowski. I take full responsibility for all errors or omissions." (And I [BSF] take responsibility for all typos.)

British Columbia Lions	980	CKNW-BC *	
	1240	CJAV-BC	
	610	CHNL-BC	
	1340	CINL-BC	
	1400	CHNL-1-BC	
	107.1	CHNL-2-BC	
	550	CKPG-BC	
	1240	CKMK-BC	
	94.5	CHET-NC	
	560	CKNL-BC	
	106.1	CKHH-BC	
Calgary Stampeders	770	CHQR-AB	
	630	CHED-AB	
Edmonton Eskimos	900	CHML-ON	
Hamilton Tiger-Cats	800	CJAD-PQ (EE)	
Montreal Alouettes	730	CKAC-PQ (FF)	
	104.1	CFZZ-PQ (FF)	
	980	CKRM-SK *	a Rod Pedersen, Carm Canteri, Willie Cole (h), Bob Poley (h)
Saskatchewan Roughriders	600	CJWW-SK	
	940	CJGX-SK	
	620	CKCK-SK a	
	590	CJCL-ON	Mike Hogan, Peter Martin
Toronto Argonauts	680	CJOB-MB * b	
	1220	CJRB-MB	
	730	CKDM-MB	
	97.1	CFIL-MB	
	105.5	CICY-MB	(NCI)
	96.3	CINC-MB	(NCI)
Winnipeg Blue Bombers	106.7	KYTY-ND d	

a CKRM and CKCK are owned by the same company. CKRM is the flagship, but games are also on CKCK because the latter has wider coverage.

b The network also contains 35 low-powered FM relays in the NCI (aboriginal) network stretching from extreme southern MB to Churchill on the Hudson Bay coast.

d This station had a recent call change; Morris is not sure that the station is still on the network.
h home games only

What a Time-saver - the County Cross Reference

A complete list of counties, parishes, and similar political divisions in the U. S. and Canada. Two lists are included: alpha by county, and by state. Compiled by Bill Hale and designed and produced by Wayne and Joan Heinen. \$7.95 for members, \$10.95, non-member. Order from CCR from the NRC Publications center; NY residents, please include sales tax.

Confirmed DX'er

Greg Myers tmyers01@tampabay.rr.com, gmyers@floridadigital.net

P. O. Box 20112
St. Petersburg, FL 33742-0112

Your successes in obtaining QSL's and other station items

790	KBRV	Soda Springs ID, verie form in 260 days after a 2 nd follow-up. V/s Doug Mathis, GM. Addr.: PO Box 777, Soda Springs, ID 83276. (Martin—OR)
910	WEPG	South Pittsburg TN, confirmation on my report in 5 weeks after a 2 nd follow-up. V/s Debby Johnson. (Myers—FL)
970	KANM	Modesto CA, prepared card, letter and copy of the Stockton Record newspaper article on the 1999 KSTN DX Test with my name in it- all in 7 days after a follow-up. V/s Paul Shin, CE. Addr.: 1581 Cummins Dr. #135, Modesto, CA 95338. (Martin—OR)
1070	WAPI	Birmingham AL, f/d form letter in 4 months. V/s Frank Giardina, DoE. (Myers—FL)
1320	KSCR	Eugene OR, letter in 6 days. V/s Michael Donovan, GM. Addr.: 2100 11 th Ave., #200, Eugene, OR 97402. MW QSL # 2761. (Martin—OR)
1330	KLBO	Monahans TX, n/d letter, bumper sticker in 7 days. V/s Rick Anderson. Addr.: 1706 E. Sealy, Monahans, TX 79756. (Griffith—CO)
1340	KPGE	Page AZ, confirmation on report in 42 days after a follow-up. V/s Dan Brown (NA7DB), GM. (Wilkins—CO)
	KCAP	Helena MT, prepared card in 230 days after a follow-up. V/s Unreadable. Addr.: 110 Broadway, Helena, MT 59601. (Martin—OR)
1380	WMTA	Central City KY, f/d letter and bumper sticker in 15 days for cassette tape and \$1.00. V/s Bryan Smeathers, President. (Burns—IN)
1490	WMOA	Marietta OH, p/d letter, f/d prepared QSL sheet in 5 weeks after a follow-up for a past VA reception. V/s Mike Cullums, Nx Dir. and DX'er. (Myers—FL)
1570	WOKC	Okeechobee FL, p/d letter, f/d prepared QSL sheet in 3 weeks after a 2 nd follow-up. V/s John H. Gurney, GM. (Myers—FL)
1610	LPRT	Tampa FL, Radio Cadillac billboard, p/d letter in 1 month after a follow-up. My report was forwarded to the advertising firm that is setting up the bill-boards in their respective areas. V/s Sarah Maggetti, Account Executive. Addr.: D'arcy Masius Benton & Bowles, 3310 W. Big Beaver, Troy, MI 48084. (Myers—FL)
1640	KDIA	Vallejo CA, confirmation letter in 28 days for SASE. V/s Steven Bise, OM. (Hayden—NV)
	KBJA	Sandy UT, f/d card in 28 days. V/s Kristin Perry, Chief Operator. Addr.: 10348 S. Redwood Rd., South Jordan, UT 84095. (Griffith—CO). Same in 15 days. (Martin—OR)
1660	KAXW	Merced CA, f/d letter in 8 days. V/s Lorelei Mouillesseaux, Office/Traffic Manager. Addr.: 514 E. Bellevue Rd., Atwater, CA 95301. (Martin—OR)
	KWSJ	Kansas City KS, verie form in 7 days after a follow-up. V/s Ken Wolf, CE. (Martin—OR)
1690	KSXX	Roseville CA, f/d form letter in 76 days after a follow-up. V/s Len Harris, CE. (Wilkins—CO)
1700	LPRT	Palm Harbor FL, same as 1610-Tampa above. (Myers—FL)

Contributors: Mark Burns, Terre Haute, IN; Patrick Griffith, Westminster, CO; Mike Hayden, Henderson, NV; Patrick Martin, Seaside, OR; Greg Myers, Clearwater, FL; John Wilkins, Wheat Ridge, CO

NRC Station Location Map Book

5th edition - \$12.00 to members
(\$17.95 non-members), postpaid.

Compiled by Bill Hale, this 239-page edition shows the location of all U. S. and Canadian broadcast stations (except TIS/LPRT) as well as latitude/longitude coordinates, plus instructions by Dave Sundius enabling users to calculate distance and bearing to any station. This 8.5x11-inch-sized book is three-hole punched for a letter-size ring binder. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.



DX'er's Notebook

Shared tips, topics, and Internet info

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Camden Wyoming DE 19934-2132

Welcome back, and sorry about the lack of a column in last month's issue. This time there is a mix of topics, and some very interesting information on the remaining x-band stations.

KJR

I'll start this with an e-mail I received in July regarding KJR's new transmitter site. (For those of us on the east coast, KJR is on 950 in Seattle...)

Kelly D. Alford <kalford@ackerley.com> Dave, Just a note of potential interest to DX'ers related to KJR AM now broadcasting at 50kW DA1 from 30 miles South of old 5kW site. I have received numerous DX reports related to KJR in the past and am curious if there is new activity from the new 50kW site. The directional pattern for KJR directs the majority of the signal to the North so I'm not sure how it plays in the lower 48 States, but internationally could be interesting. Thanks,

Kelly D. Alford
Vice President of Engineering
Ackerley Media Group, Inc.
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(206) 494-2430 (Voice)
(206) 494-2431 (FAX)

KTRS-550A talk radio St Louis

Your new voice of choice.

One reply was sent to the list:

Pete Taylor <taytac@worldnet.att.net>: Following receipt of Dave Braun's E-mail... I wrote Kelly with a few questions. Here are his responses. PS - If you would like a copy of their coverage map, please let me know.

Kelly - Pete, Thanks for the information and the kind words. I have been working on a final resolution related to KJR's transmitter facility location since I began with the company in 1988. I took the liberty of attaching the calculated 1mV/m contour of the new KJR facility to illustrate the coverage area. I have attempted to answer some of your questions in the text below.

Pete - Hello Kelly, First, I read recently that KJR had officially worked its way up to the full 50kw a month or so ago. Secondly, Dave Braun passed your E-mail inquiring about reception to the south on to a radio club web site, so I am responding.

First of all, I live in NE Tacoma, about 15 miles from your old site and a little more than 5 from your co-site with KHHO. From your old site, I was able to null your signal well enough to verify or tape IDs from KOZE Lewiston, KKIC Meridian, KMTX Helena and KTBR Roseburg. I also heard KAH1 Auburn a couple of times and XEKAM in Tijuana many times but never actually taped IDs. I use a Sony ICF 2010 and a Kiwa air core loop.

From your new site, I am getting about 170kw (somebody calculated it out once), so obviously, it comes in rather well. However, it's relatively clean (I can still DX 930 and 970 but not too much makes it through on 940 or 960) and your 1900kHz harmonic is pretty well suppressed. I am a mile from KKMO-1360 5kw non-directional and they create much more grief up the band than you do. I am between 6-8 miles away from KIRO, KNWX, KOMO and KYCW so let's face it, this is not the ideal DX spot. KYCW is by far the widest splatterer.

Kelly - Actually with gain in the main lobe to the North, the ERP in that lobe runs about 325kW. Our skirts are pretty narrow and easily meet the NRSC mask. It's nice to hear our test equipment and the real world agree.

Pete - From my brother-in-law's place down on Silver Lake (Exit 49), your signal did appear to be significantly louder than it was in the past when we were down there about six weeks ago. I also wanted to comment on KHHO. I met with the former manager three years ago and he confided in me that they were probably getting about 60% out of the transmitter. I am sure you replaced everything. It is significantly better. At night, I used to have no problem nulling the station and listening to KOA on a nearly even level. This is no longer the case. Of course, it is summertime; I'm sure KOA will do better against you in the winter.

Kelly - Yes we did replace everything on KHHO. It was a daunting enough task to combine a 1kW night 100 kHz away from a 50kW DA1 so I didn't want to take any chances with the old junk that was

at the station.

Pete - Two to 2 1/2 years ago I talked with someone at the station who said when they switched, the power would have to go up in phases because of the complexity of achieving a pattern in a diplex situation. If you could take a couple of minutes to track the power levels between the time you first tested it (I think this was in January; I was getting your 1900kHz harmonic very well), the time you actually started regular transmissions from the site (right after the earthquake) and when you actually went to the full 50kw, that would really be appreciated. I'm sure keep the two stations clean from each other must have been a lot of fun...If you could also get into why you were never able to go to 50kw from the old site (cranes?), that would be of interest, too.

Kelly - We began testing the combined operations of KJR and KHHO in August of 2000. We originally set everything to calculated values and worked from there. Once the two stations seemed to play together, we performed a non-directional proof of performance at 12.5kW on KJR to confirm we were working from a round pattern. After the non-D proof was completed, we continued adjustments and measurements of the directional pattern for KJR and completed finishing KHHO's equipment installation and adjustment to licensed values. Actually once we developed a good way of measurement and adjustment of the diplexing circuitry, combining KJR and KHHO went pretty well. Just to be on the safe side, we installed shunt traps at each tower to help attenuate any harmonics created in the combining. Also, KHHO has a big band-pass filter just in case. Getting the KJR pattern to cooperate was more difficult as it uses two "negative" towers in a North-South direction to form the big lobe to the North. Negative towers act as parasitics to form the pattern, then we reverse phase-shift the current collected from the towers and bring it back to the common point for more efficiency. (Sort of recycling the RF).

As you mentioned, we did construct another 50kW facility on property that was completed and operated for a short time in 1994. In an effort to get KJR out of its old Terminal 5 location, the Port leased us property about 2 miles South of Terminal 5. The Port's "experts" thought that any RF mitigation could be easily handled in the vicinity of T-115 an agreed to do so. What they did not anticipate was a crane used by a local stevedoring company 800' from KJR would be effected and that the owner would refuse to use any insulated hooks, or gloves to protect their workers from getting bit. It became a big political hassle that seemed to have no resolution in site. The Port decided that maybe it would be best if no radio stations located on Port property and that we should move. The rest is history.

Pete - Again, congratulations. KJR is one of the first to go 50kw on what was formerly a regional (WTMJ Milwaukee was one of the ones ahead of you). I am surprised I haven't read more in any of the DX publications about any change noticed in your signal, particularly from those in BC and Alberta. Maybe no one is DXing during the summer! I hope you have gotten a few reports directly noting the improvement. Has the new pattern met your expectations?

Kelly - Yes it has. Of course our signal into Downtown Seattle is not as strong as from T-5, but overall there is a vast improvement to the Puget Sound area at large.

Pete - Thanks for any info you can send this way and thanks for running clean operations.

Kelly - Thank you Pete. If you are interested in a tour of our facilities in Tacoma, please let me know as I'm there at least once per week.

Pete - Folks, there still are some guys out there at stations who are willing to take the time to respond to DXers. Particularly if you are from south of their transmitter, I hope you will let him know about any change in signal strength you have observed. It is also interesting to note that while KMJ went to 50kw to penetrate their city of license better, KJR seems to be actually weaker there. That's hard to believe with 325kw coming north...

HARD-TO-HEAR STATES

We also have some more from the "Hard-to-hear states", the first of which was sent to me, the rest are from the list:

Robert Forsman (WK5X) <Rob-Pascagoula@webtv.net>

The comments on unheard states was interesting. Unheard states from the Mississippi Gulf Coast on the east coast are ME, NH, VT, RI, and DE. Most of the other states east of the Mississippi are relatively easy. Looking westward, unheard states are ND, NV, MT, ID, OR, HI, AND AK. Arizona was heard back in the early '80s when (if my memory serves me correctly-my logbooks are buried in my bedroom closet) KOY ran a DX test, which included a Morse ID. Only the Morse ID made it through. Washington was heard in March 1978 when KIRO-710 ran a DX test. California used to be relatively easy during Cincinnati-1530 silent periods, with KFBK making it in. Bakersfield was in quite often on 1560. KFI, KNX were heard occasionally, and the 1020 Los Angeles station was heard once. I haven't heard any of these stations in recent years. The most distant domestic that I receive on a regular basis is KSL-1160. The only Canadian provinces that I have heard are Ontario and Manitoba. Internationally, the countries heard from this location are Mexico, Hondu-



ras, El Salvador, Guatemala, Nicaragua, Panama, Belize, Costa Rica, Cayman Islands, Cuba, Haiti, Dominican Republic, Puerto Rico, Dominica, Antigua, Barbados, Netherlands Antilles, Jamaica, Suriname, Venezuela, Colombia, Ecuador, Bahamas, Turk and Caicos, and Senegal.

Patrick Martin <mwdxer@webtv.net>: I was going through the states I have heard and verified from Oregon. Considering if I get the verie for WTIC (tent. taped report), I'll only need 4 more and DC. The rest are in the East, DE, NH, VT, and WV. The beverage I have does very well with stations in the Midwest & East above 1200 kHz, so there are possibilities on all four states:

DE-1410 & 1600 (Both freq. can be decent with DX, WWRL, and WIZM logged & QSL'd)

NH-1220, 1250, and 1590 (1220 is great after CJOC moved, 1250, used to be good, WTAE logged and QSL'd, hard to tell now, 1590 can be good too, WARV logged and QSL'd on DX Test)

WV-1330, 1390, 1440(2), 1450, and 1600(2). Lots of choices here, but most are low power ND at night. 1330 is good with KFJ and KWLO regulars, 1390, heard & QSL'd ME & SC here a few years back, 1440, also good, several Midwest stations heard, 1460, many states heard & QSL'd here, PA, LA, WI, TX, FL, etc. Good freq. when the skip is in, and 1600, also good on skip.

DC is another story. Maybe WTOP if conditions are great, might be possible.

VT: 1390 & 1480 are the only possible ones, but with ID-1480 running their 5KW ND, instead of dropping power, that is going to be tougher. Maybe the FCC will catch them.

Paul Swearingen <PlsBCBDXER@aol.com>: Pat, I'm surprised that you didn't list WRVA-1170 as a possible WV - do you have KVOO blasting in that much in Oregon? WRVA is the only WV I've heard in Kansas.

WTOP is the only DC I've heard in KS, also, so it's a good possibility.

Your list is a good one. If DX'ers keep in mind that nearly any 5 kW station sends a signal across the continent ... and under freak conditions it's possible for almost any station to be heard, if other stations are knocked out by local conditions, aurora, whatever. I'll never forget the time I heard a pennywhistle WI station on a graveyard freq. playing polkas in the middle of a severe aurora in the dead of winter - how it got through when all the other stations on the freq. were knocked out, I'll never know; but I was able to listen to it for nearly half an hour. I've learned (the hard way) never to assume that I "won't" hear what I need, and to keep the tape rolling - that's the way I bagged my only MD, WPGC-1580, during an unscheduled test.

Patrick Martin: WPGC-1580-MD is my first MD logged from here a few years back, before 1690 came on. Their 50 kW at LSS really got out well. I still think it is possible. A couple of my best are two TIS stations on 1620 with 10 watts from VA, plus the WLSO earlier this year with 44 watts on 1220.

1170-WV might be possible, but I do have Bellingham, WA on there with 5 kW nights (10 kW days), plus KVOO, who can be strong when conditions are good. A flea power signal would probably do better on the upper freqs, as the QRM is not as bad.

Bruce Conti <BACONTI@aol.com>: WSMN Nashua (NH) on 1590 would be difficult to hear out west because the signal is beamed east. I'm only 3 miles west down the highway from their transmitter site, and I can completely null them out at night to hear WAKR, WAUB, and sometimes WONX, WARV and WCBG. WSMN is strong in Maine, and often heard in Europe.

Patrick Martin: I used to think that a station on the East Coast would be beaming East, logging it would be impossible. However in the past 10-15 years, I have learned that is not always the case. From the Oregon coast with the 1500 foot beverage, even flea power signals do make it. Some of the examples include WWRL-1600-NY, WARV-1590-RI (DX Test), WPSL-1590-FL, WXTC-1390-SC, and WEGP-1390-ME (DX Test). I am not sure how much power these stations put to the West, but by the NRC Pattern Book, it doesn't look like much. CX have to be good though, which they have not been in quite a while.

ROCK GOLF
13kyno-am

X-BAND UPDATE

Patrick Martin: (7/24) I just received an e mail from Clear Channel in Salisbury regarding the X Band CP-1670. They have let it expire, so that one wont be coming on the air. I sent a bunch of e mails out last weekend trying to find if the CP's on the X Band were indeed going to come on. I had heard last year that VI-1700 was not. They changed their mind about moving and now MD-1670. I think some are having second thoughts. How many of the X Banders have advertising? Not many. KCJJ is one that comes to mind.

Patrick Martin: (7/25) I made a lot of phone calls this morning on my cell phone which didn't cost me anything, as I get plenty of time that I never use and long distance included. Here is what I found out about the X Banders that have not come on as yet.

1620-WJRZ-NJ-just an application, no CP

1620-KNNT-NM- has been sold no plans, not certain where the old CP even went.

1620-KHRT-ND-GM said they were still thinking about it, but have no plans now.

1620-WAZG-SC- has been sold, so no plans, again not certain where the old CP went.

1630-KOME-CA- will come on soon(?) but no date.

1630-KNAX-TX, station no sale, but no takers (970), so who knows according to CE. The call letter change was a whim, as it doesn't mean anything.

1640-WVMI-MS. This is an interesting one. According to the CE, there was just an application, no CP as far as he could find. It may have been a whim, as they have trouble keeping the 570-30 year old TX on the air along with the directional pattern. So I wouldn't hold my breath on this.

1640-WLHJ-NC, phone number no good, will have to try a new number.

1640-KMKZ-OK, no one knew anything and the GM & CE were out.

1650-WAZJ-GA, no plans at this time.

1650-KBIV-TX, phone number no good, will have to try a new number.

1660-WBHE-NC, no one knew anything, will have to call back CE.

1670-KSUL-CA Will come on it time, but station is for sale I was told.

**1680-KRJO-LA, should be on the air soon according to secretary. Look for it!

1680-KAZJ-WA, will be on in the future, but no date.

1690-WSWK-GA, no one knew, the CE was out.

**1690-WHTE-IL, this one will be on by August 2001 with Sports Talk. The GM has the transmitter 10/1 kW set up and just needs some parts. Look for it!

1700-WAYU-NH, this one is not planned. Too bad I was hoping for NH.

1700-KCHT-OR, still planned, no date.

1700-WEZI-VA, also this one is not planned either.

So the only two I can find that should be one very soon is IL-1690 & LA-1680. Clovis, CA 1630 also could be on soon.

Steve Francis <Amdxmail@aol.com>: "1640-WVMI-MS..." It's a CP, though. The 5/15/00 AM Switch lists it as having been granted U1 5000/500, with Jerry mentioning that they're the first X-bander to be authorized at those power levels. Thanks for all the great detective work on these stations, Patrick!

Patrick Martin: I figured it was a CP rather than an application, but the new CE (about a year) did not have a clue on it other than the info he had in the file. The management never reported a word about the CP. He said, if it was important, he would have been told. I would not hold my breath on this either. It will be interesting to see what happens with the CP's that won't be used. Will they go to other stations in time?

Ron Gitschier <RGITSCHIER@doyle.navy.mil>: Hmm, I wonder why the power levels are lower? Using _that_ efficient of an antenna, or don't like the utility rates? Interference to electronics in hospitals? Who knows...

Russ Edmunds <wb2bjh@nrcdxas.org>: Maybe the coefficient of friction?

Actually, I've been aware of some who run that way in order to maintain the stability of their directional patterns, which for some reason allegedly wander at full power...

Patrick Martin: I am a bit surprised the FCC OK'd the directional 109 kW on 1660-NJ and 1670-CA.

CANADIAN CLEARS

Patrick Martin: Does anyone know if Canadian MW stations go to FM on a certain frequency, does the US stations still have to protect the old station that was on the freq.? For instance, with CKTA-1570-Tabor AB has moved to FM and now CKEG-1570-Nanaimo has a CP to move to FM. That will leave no stations in the NW on 1570. The nearest will be Central CA. There is an app for a 50/1 kW U4 for Warrenton OR on 1570.

Ronald Gitschier <wgsl1570@alltel.net>: No, we've got to protect the allotments as if they were still broadcasting. CTRC isn't deleting them, and can in theory come back on under a different ownership. Kind of a tease. WGSR is also going for 50kw too.

Craig Healy <ng1u@chowdanet.com>: Yes. The protections on certain clear-channel frequencies are set by treaty, rather than use. Others may be protected by an allocation, even if unused. For example, WSAR-1480 Fall River, MA had a nighttime null at about 40 degrees to protect a Canadian unbuild allocation. For years the had to run a four-tower array to generate the required null to protect a phantom station. Some years ago WSAR got permission to eliminate that null. Since the day and night patterns were so close after that, they went to a U3 two tower array.

FORECASTING CONDITIONS

Rick Kenneally <woodlandview@yahoo.com>: A question for the experienced TA/LA DXers: Is there any indicator or pattern you look for before going on a coastal DXpedition? I'd like to try an expedition to a nearby state park on the Connecticut coast looking out over Long Island Sound, and I was wondering if there is anything I should watch for that might improve the odds for a good opening

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east or south?

My assumption is that there is no good predictor, and that I should get ready to go, then wait for a night when the weather is clear and when there has been a good opening the night before. Thanks in advance.

Bruce Conti: Rick: The best predictor is the solar activity data and forecast, heard on WWV at 20 past the hour and relayed here on am@nrccxas.org.

The low solar numbers and low to very low activity occurring right now would favor transoceanic reception from northern latitudes. Moderate activity would produce transoceanic reception from middle and southern latitudes. A major storm or auroral conditions should produce good Latin American DX conditions by reducing or eliminating domestic skip from northern latitudes. While solar activity is a good predictor, often it depends on your location and the location of auroral activity. Sometimes auroral activity hits the Pacific coast and Rockies, but does nothing in the northeast. The last couple of major geomagnetic storms were enough to knock out European DX, but didn't produce any notable Latin American DX.

Benjamin Dangerfield <ben-dangerfield@worldnet.att.net>: Personally, I think it is just good luck and good timing, The WWV forecasts seem to me to always be the same, sort of a hedge, and I don't pay much attention to them. None of the recent solar storms did much for my DXing, though I do agree with Bruce that you need very low sun spot activity to get the best TA reception. Now if you're going out to the shore, and you are on the New England or Canadian coast, I think you can expect some sort of TA activity on any night. I know that last year when I spent a weekend in Bass Rocks, MA, and went out with Mark and Bruce to Rockport, we just took pot-luck and wound up with many interesting TAs.

Rick Kenneally: Thanks Ben (& Bruce), I knew the relationship between low gm activity and TA reception, but I wasn't sure if there was any more detailed rules of thumb that TA DXers follow. I'll just look for a night with few thunderstorms (like now, while it is unusually cold) and roll the dice.

As for a coastal location, I'm on the CT coast pointing SSE with Long Island between me and the open ocean. For optimum coastal DX, do you need a water path all the way to Europe/Africa, or do it sufficient to be on the west coast of a large body of water? In other words, would you expect Long Island to soak up the signals? (I know there is a joke or two lurking in that question, but I'll leave that up to others :)

Has anyone out there had experience with TA/LA DX right on the western CT coast?

SPORTS NETWORKS

I'll use the following discussion to start up the requests for College Football Networks - yes, the season starts in late August, and if you have access to any network lists, please forward them to me (or at least where I can access them). I'll use this discussion to highlight why we are interested in these types of lists.

Eric C. Loy <obvious@prairienet.org>: The list of sports networks posted recently in the *DX News* brought to mind a few tips for trying to ID/verify stations running these events.

1. The more local the network/broadcast, the more likely the station will run local ads. CBS/Westwood One does cover their local breaks with PSAs, and ESPN runs promos. The Cardinals baseball net does not cover their breaks, therefore the local station must put something on the air, whether it be a local ad or station promo. Our high school basketball broadcast has all local ads. Regional nets, such as pro sports teams, could go either way. Local stations more than likely will not have lists of network spots, but local ads/promos should yield verifiable material.

2. Ids are called for at the top of the hour plus or minus whatever the announcer wants. A good rule of thumb is five minutes either way. Ids could also be called for at the bottom of the hour (as the baseball

Cardinals do) but not always. The station could also play a quick Id liner coming out of a local break. These usually last only two or three seconds, so listen quick!

3. Watch out for list logging, especially for NCAA basketball games! We (AM 1400) frequently pick up games from other networks in the Big Ten when the Illini aren't playing. There are quite likely a few others on our frequency carrying the game, so make sure. (On a slightly different topic, some larger regional networks like to have "Stations of the Night" and will mention one or more station's callsigns at that time.)

4. Regional networks win out in the team's home town. I saw a "logging" of a Kansas City station based on their carrying of the Chiefs football game. The only problem was it was

CHQM AM/FM



the Westwood One feed. The local flagship would never allow the national feed on a local station, it would be blacked out.

Just some notes from board running them and DXing them. Maybe you folks have more to add.

Rick Dau <rdau36@yahoo.com>: Good thread, Eric, and as a previous editor for a collegiate sports networks column in *DX News*, I can relate to some of the tips you are passing along. Some of the things I try to keep in mind are these:

1. College networks are generally smaller than pro networks, in terms of numbers. Whereas a network for a major league baseball team or a pro football team usually encompasses stations in many states, a college network will generally stay within the borders of the state in which that university is located. This is helpful when narrowing down possibilities for unIDs (there are exceptions, of course - WITY in Danville, Illinois has been known to hop aboard the Indiana U. network from time to time, and during the 2000 football season, no less than 22 stations outside the state of Nebraska carrying the Huskers, including some in Arizona, California, and Washington!).


2. Knowing team nicknames proves vitally important when trying to ID that mystery station that seems to always fade out right at ID time. Wildcats, Bulldogs, and Cardinals, of course, will be pretty tough to nail down without hearing the names of the high schools (or colleges), but how many high school or colleges have nicknames like Matadors, Boilermakers, or Nittany Lions? These will be easier to pick out.

3. When I see a far-off network (say, 1000 miles or more from my QTH) showing just 1 affiliate on a certain frequency, I will go after that frequency, especially if it's a much-needed station. I mean, when a network loads up with 3 or 4 stations on a graveyard channel (like Missouri or Ohio State do with football), it's pretty hard to know which station you've got until ID time, if you're lucky enough to hear something in the mush. On the other hand, if you hear someone on 650 carrying the Denver Broncos, you don't even have to wait around until ID time - you know you have KGAB in Cheyenne.

Hope these suggestions help.

Ron Gitschier: When 1570 WYHI Fernandina Beach, FL (now WGSR) had the Florida Gators Football and Ladies Basketball the local availabilities were covered with promos for U of F (such as the Alumni Association and so forth). That way if we had open availabilities we could just let the feed roll. Clear Channel Communications hosted the service over their Florida Radio Network/FRN.

See you next month.



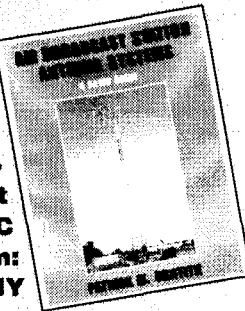
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22 ESPLANADE ST., NANAIMO, B.C. V9R 4Y7

Shedding Some Light On Fluorescent Lamps

By Joe Buch N2JB

(originally published in Joe's *Technical Topics* column in the July, 2001 *NASWA Journal*. Reprinted by permission of the author)

You never know when you will discover something new. It can happen at any time and in any place. Even a place, as remote and cut off from normal civilization as the Winter SWL Fest in Kulpville, PA, can be the source of an important discovery.

It was a dark and stormy afternoon as Tony Germanotta and I unpacked our suitcases in preparation for another weekend of frivolity, mayhem and serious socializing with all our good buddies in the nether world of short-wave listening. I carefully infolded my Sony portable loop antenna and hung it from the window valance allowing sufficient clearance to permit 180 degrees of rotation.

I then plugged the cord from the loop's active amplifier into the external antenna jack of my Yacht Boy 400 radio. At this time of year All India Radio is heard quite well on 7410 kHz here in Eastern North America before WBCQ on 7415 kHz signs on for the evening. Tuning to 7410 revealed the distinctive plaintive tones of Indian music. All was right with the world. I was amazed at how clearly I was hearing the station on such a simple and physically handicapped antenna.

Meanwhile Tony had unpacked his newest acquisition, the latest and greatest Sony portable. We decided it would be interesting to compare the performance of the loop against the whip on the new Sony. Much to Tony's delight, his little radio was performing as well as my bulkier setup.

I crashed on the bed, inhaling the sounds of the exotic music. Then I remembered that I had forgotten to plug in the wall wart on my radio. I was still running on the internal batteries. No wonder reception was so clear. I wasn't picking up any of the hash that normally floats on the power wiring in hotels. I drug the wall wart out of my suitcase and plugged it in expecting the noise to rise to a level that would surely destroy AIR reception.

To my surprise the radio worked the same as before. There was still little noise to be heard. What noise was there could be nulled by proper rotation of the loop. I was probably canceling the noise picked up via the power line with noise from the antenna. Rotating the loop shifted the phase of the antenna-received noise so it could cancel the noise coming in over the line. This is an interesting advantage of a loop that is not generally appreciated but that's another article.

We continued to enjoy the music. Then Chuck Rippel popped into the room and said, "Hey what are you guys listening to?" Amazed, he returned to his room to get his own AR-7030 and Sony loop antenna. We now had a three-way comparison of performance going. Chuck's radio performed marginally better than the portables, but not enough better to change the enjoyment level of the music.

As the sun began to set, it was time to flick on the room lights. I noticed that the new hotel management had replaced the old incandescent light bulbs with modern fluorescent bulbs that screw into the old light fixtures. I expected the new lights would doom AIR to a noise bath that would end our listening session. As I flicked on the first light, I was greeted by a slight ping from the lamp as the bulb instantly ignited into a warm glow.

Now comes the moment of discovery. I realized that when I turned on the light, there was no evidence of the typical fluorescent lamp buzz that usually ruins short-wave reception. The Indian music continued unimpaired. Very interesting. Next I turned on every light in the room. Still, there was no noise. We could not believe it.

I disconnected the YB-400 from the loop antenna and external power. The radio was now operating on internal batteries and the built in whip. I probed the vicinity of the lamp with the whip antenna. I found that the antenna had to be within a few inches of the lamp before any noise was evident.

With electric rates skyrocketing in many parts of North America there is new interest in energy-saving lighting. These lamps put out the light equivalent of a 75 watt incandescent bulb but only consume 22 watts. In the past SWL's have been reluctant to replace their old incandescent lamps because of the fear that noise from energy-efficient type lamps would obliterate their SW listening.

The Kulpville experience showed us that this assumption is not necessarily true. If you are going to convert your home to energy-saving lamps, you should certainly consider the type and brand of lamps used at our Kulpville home away from home.

Unscrewing one of the lamps allowed us to read the data printed on the base. "Lights of America" is shown as the manufacturer. There are several numbers also there, 2622, 22W ballast, and, FC8T9EX-L 27K which we assumed to be the model number.

When I got home, I checked the Lights of America web site at <<http://www.lightsofamerica.com/>>. The site is



The RF-quiet circular fluorescent lamps screw into existing light fixtures.

quite informative and revealed why the lights are so RF quiet. The secret is their patented solid-state ballast circuitry.

"The LOA-patented integrated circuit design construction allows for a cooler operating temperature, which eliminates overheating and increases lamp longevity. By optimizing operation of the lamp, users save 75% in efficiency when compared to incandescents.

Electronic circuit board technology provides a controlled instant start to Lights of America light fixtures. This manages to eliminate flickering during start-up as well as the "buzzing" heard from many magnetic ballasts."

Over the life of the lamp, the fluorescent bulb is no more expensive. I have seen similar lamps by GE in stores at prices of less than \$10. The lamps are warranted for one year and have a life expectancy of 30,000 hours. That means the lamp will outlast 16 1800 hour incandescent bulbs.

A 75 watt bulb will consume a dime's worth of electricity every 13.3 hours at an electricity cost of \$.10 per kWh. A 22 watt lamp will run for over 45 hours for the same dime. Another way to look at it is that if you run a lamp for 4 hours per day, the 75 watt bulb will consume 109.5 kWh or \$10.95 in one year at \$.10 per kWh. The 22-watt fluorescent bulb under the same ground rules will cost less than \$3.22 to run. The fluorescent bulb will almost pay for itself in the first year of electricity savings. Even if you are only paying \$.05 per kWh, the purchase of these bulbs makes sense. The purchase cost should be recovered in the first 2 years of use.

So take the leap into modern fluorescent lighting. The web site lists the stores that carry their products as Home Depot, Home Base, True Value, Ace, Wal-Mart, Sam's Club, K-Mart, Sears, Orchard Supply, and Lowe's.

Buy one and try it out. If you find it as quiet as those in the hotel, buy more. Your friends in California will thank you. Until next time, stay tuned.

Phasing Improves Kaz Antenna Nulls

By Mark Connelly, WA1ION

The "Kaz" antenna was introduced by John Bryant's article "Testing Two 'Kaz' Squashed Delta Antennas" (reference 1). Further test results were presented in my article "Pennant and Kaz Antenna Tests" (reference 2). The antenna has the form of a delta with the apex spaced above the center of the horizontal base at a distance of 1/4 to 1/3 the length of the base. Base height above ground can be as little as 0.3 m / 1 ft., though I find improved performance at 1.5 m or higher. The top wire (forming the two sloping sides) is one conductor and the base wire is a second conductor. Feeding and/or termination occurs at the pair of wires on each end of the base at the point of approach of the upper conductor.

This article describes how the nulling abilities of the Kaz antenna can be enhanced by having combination feed-and-termination boxes installed at each end of the antenna. The two coaxial feedlines are presented to inputs of a phasing unit.

Homebrew phasers such as DXP-2, DXP-3, Superphaser-1, and Superphaser-2 work well for this application. Articles on these units can be obtained via links on my RF Circuits page (reference 3). Commercially-available broadband phasing units such as the Quantum Phaser, modified MFJ-1026, and JPS ANC-4 could also be used.

Each feedline supplies a pickup that is somewhat cardioid in shape. If the Kaz antenna is set up on an east-west axis, the feedline coming from the box at the west end of the antenna has a pattern which, to some extent, nulls signals from the east (+/- 30 degrees typical). The feedline coming from the box at the east end of the antenna has a pattern that tends to null signals from the west. Depending on antenna layout, height, surrounding conductive objects, and termination resistance, the maximum null of each cardioid can vary from as little as about 6 dB to as much as 40 dB. In many cases Vactrol control of termination can improve null depth over what can be had with a fixed termination value (typically chosen to be about 1000 +/- 200 ohms). Even if the terminations are fixed and cardioid front-to-backs are only coming in around 10 dB each, very deep nulls can still be obtained by phasing the two opposing direction cardioids against each other.

In the case of wanting to null a signal from the west with the above set-up, the feedline from the west end of the antenna may be presented to phasing unit Channel 1 and the feedline from the east end to Channel 2. Channel 1 has a western station signal about 10 (and maybe more) dB stronger than that same signal on Channel 2. Also, desired eastern signals are on the order of 10 dB or more weaker on Channel 1 than on Channel 2. When equalizing Channel 1's western pickup to be about equal with that from Channel 2, the level pot adjustment introduces about 10 dB of loss on Channel 1. At this point there is at least 20 dB of strength difference between the two channels on eastern signals. When the phase adjustment to null the western signal is enacted, there is virtually no effect on eastern signals

even if they too are made to be 180 degrees out of phase between the two channels. The system's overall front-to-back ratio can be pushed to better than 50 dB on groundwave and 25 dB on most skip with this arrangement: superior to a single feedline approach even with Vactrol control.

The simplest way to do a combination feed and terminate at each end of the antenna is to connect the antenna wires through a step-down transformer matching 950 ohms to 50 ohms. John Bryant's article "Fabricating Impedance Transformers for Receiving Antennas" (reference 4) recommends an FT114-75 (FT114-J) Amidon ferrite toroidal core with a 20-turn high-impedance primary winding (antenna) and a 5-turn low-impedance secondary winding (coaxial feed). He also mentions the alternative of an FT114-43 core with a 45-turn high-impedance primary and a 10-turn low-impedance secondary. A Mini-Circuits T16-6T-X65 transformer has also been used successfully in some Kaz and Pennant antenna installations. If the "shack end" cable terminations (e.g. at the two phasing unit inputs) are reasonably close to 50 ohms, the correct termination impedance for each side of the antenna will be passed through the respective transformer (acting as a step-up in that direction).

Because adjustment of a deep null is accomplished by phasing, there is less need for Vactrol remote termination than with a single-feedline system. Two opposing cardioids of fairly mediocre null depth can be combined to produce impressive front-to-back ratios. This is quite the same as noted here with opposing-pickup slopers even when each antenna is only good for about 8 - 10 dB of front-to-back on its own. Also, as noted with slopers, a bit of spatial separation helps too. Phase shift on desired signals is less likely to be in the 180 degree null range executed on opposite-direction signals when feedpoints are separated by 1/15 to 1/3 wavelength (as compared to being co-located or at some multiple of 1/2 wavelength). As compared to a small 12 m base version, the larger size Kaz antennas (base in the 20 - 40 m / 65 - 130 ft. range) will deliver heftier signals in the first place and will also have the added benefit of a lower likelihood of collateral nulling of desired-direction signals along with null-direction "pests" when inherent cardioid null depths are below the ideal of at least 12 dB each.

The transformer feed / terminate scheme without additional amplification is usually adequate for Kaz antennas having areas of 50 square meters or above (e.g. base 20 m, apex 5 m above base). Smaller antennas can benefit from amplification. Since coaxial cable has very little loss below 2 MHz, MW DXers and 160-m hams will usually have a 50-ohm input / output amplifier on each coaxial feedline at the "shack" end, out of the weather. The W7IUV design (reference 5) is a good choice. The Kiwa broadband amplifier and the Mini-Circuits model ZHL-6A are ready-made, though pricey, options.

There is one instance in which amplification located at the two antenna feed points may be desired. This is the circumstance when Vactrol control of termination resistance is desired. Because DC (typically 12 volts) to power an amplifier and a separate Vactrol DC voltage both must be presented to each of the two combination feed / terminate boxes, a single wire (carrying Vactrol DC) must accompany the coaxial feed that carries DC to and RF from the amplifier at a given end of the antenna. This separate wire should be broken up with several RF chokes to keep it from influencing the antenna. It can be physically attached to its accompanying coaxial line by means of nylon cable ties. The amplifier should be a high-impedance input to 50-ohm output buffer type.

My BUF-E and BUF-F models (links via reference 3) work well here. The Vactrol's variable resistance can be placed from the input of the buffer amplifier card on one side and, on the other side, to a 220 ohm resistor to circuit ground. The two antenna leads go to the primary of a custom 1:1 high-impedance transformer (to be described); the secondary of this transformer goes to the buffer amplifier card input and to circuit ground. This arrangement gives about 15 dB of gain compared to no amplifier; it also enables simultaneous Vactrol control of the null observed when the phasing unit is set to the channel corresponding to the output of the amplifier on the opposite side of the antenna. The custom 1000 ohm 1:1 balun transformer consists either of 21 turns primary / 21 turns secondary on an FT114-75 (FT114-J) core or, alternately, 45 turns primary / 45 turns secondary on an FT114-43 core.

The Vactrol controller should be a dual version incorporating aspects of the model presented in Figure 3 of my article "Pennant Antenna with Remote Termination Control" (reference 6). Chokes, dropping resistors, and diode protection of the LED portion of the Vactrol (in each feed / terminate box) should be configured similarly to Figure 5 of the Pennant article.

Having the independent Vactrol controls and "field site" buffer amplifiers at each end of the antenna adds a good deal of complexity compared to the simple transformer-feed method, but it is seen as a valuable approach to take on smaller Kaz antennas like the 10 X 40 ft. / 3 X 12 m model that is becoming popular for temporary installations.

You could use the buffer amplifiers without the Vactrol if desired. In that case you'd install a 1K fixed resistor or, better yet, a 2K pot across the input of each buffer. During installation each end's pot could be tweaked to null a target station in the middle of the frequency range. You'd "listen" to the output of the amplifier opposite the one where you were adjusting the pot. An adjusted value of 800

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ohms to 1.2K would be the typical result.

Phasing is achieved by observing the normal operating procedure for the unit being used. This generally consists of, first, equalizing the amplitudes of Channel 1 and Channel 2 on the signal to be nulled and, secondly, adjusting the phase shift control to produce a null. The procedure concludes with small interactive adjustments of one or both amplitude pots and the phase shifter.

If feedline pickup is a problem, one or more coaxial chokes (consisting of 17 turns of RG-174 on an FT140A-J core) may be inserted in series with the coaxial line.

Anyone contemplating the use of a Kaz, Pennant, Flag, or Delta terminated loop should look into two-feedlines-to-phaser schemes similar to those outlined above. The enhanced nulling performance makes the slightly greater system complexity well worth the effort.

References:

(Note: Over time Web URL's may change. If this occurs, it may still be possible to retrieve the articles by going to known DXer Web sites or to search engines for links. Hard copies are likely to be available from the National Radio Club and International Radio Club of America reprints services.)

1. Testing Two 'Kaz' Squashed Delta Antennas, John Bryant, 2001
["http://members.aol.com/DXerCapeCod/kaztests.pdf"](http://members.aol.com/DXerCapeCod/kaztests.pdf)
2. Pennant and Kaz Antenna Tests, Mark Connelly, 2001
["http://members.aol.com/DXerCapeCod/pennant_v_kaz.htm"](http://members.aol.com/DXerCapeCod/pennant_v_kaz.htm)
3. RF Circuits page (links to construction articles)
["http://www.qsl.net/walio/index.html"](http://www.qsl.net/walio/index.html)
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["http://members.aol.com/DXerCapeCod/z_transformers.pdf"](http://members.aol.com/DXerCapeCod/z_transformers.pdf)
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["http://members.aol.com/DXerCapeCod/pennant.pdf"](http://members.aol.com/DXerCapeCod/pennant.pdf) and
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 APPENDIX:

Some Reversible Kaz / Flag experiments by Andy Ikin

Originally sent to: FlagandPennantAntennas@yahoo.com

Date: Tue, 8 May 2001 20:40:39 +0100

From: "Andy Ikin" <sales@wellbrook.uk.com>

Subject: Reversible KAZ-FLAG

Approximately two weeks ago I decided to give the KAZ Delta loop a try to see if there was any improvement over my existing K9AY.

The KAZ Delta loop E-W (10 foot by 40 foot) was set up near to my K9AY E-W loop. The base of the KAZ was 1 foot off the ground, with one end connected to 20:1 z matching xmfr, the other end was connected with a Perkins/Elmer VTL5C4 Vactrol to provide remote controlled termination. Testing was conducted between 10 am and 3pm local time.

On LW, both Allouis 162 kHz and Europe No 1 183kHz yielded 17.5dB F/B, whilst RTL 234kHz and Kalundborg 243kHz provided 12.5 dB F/B.

Medium wave F/B varied from 17.5dB for Paris 864kHz and Belgium 621/540kHz to 30dB for Lille 1377kHz and Flevoland 1008kHz (Flevoland 747kHz F/B was 20dB). 13dB of pre-amplification at the receiver was used to raise the signal above the receiver noise floor so that the F/B could be measured. Without pre-amplification, the low gain degraded the reception quality of a significant number weaker stations. The average F/B for LW was 15dB and MW was 23dB. The use of a common mode feeder isolation choke next to the matching xmfr made no difference to the F/B.

Comparing the above without pre-amplification to Gary Breeds K9AY un-amplified) with remote controlled termination. The K9AY provided about 3 dB higher F/B for RTL and Kalundborg and the same F/B for Allouis and Europe No 1. The K9AY gain was typically 10dB higher on LW and 15dB higher on MW. On MW, the K9AY the F/B varied from 20 to 40dB. The average F/B for LW was 15.8dB and MW was 30dB.

I also tried the K9AY using the KAZ size loop. On LW the F/B was the same as the K9AY. For MW the F/B was typically 7db lower. At 19:00 hours using the K9AY I was able to null Flevoland (400kW) to provide useable reception of Cadiz (10kW). The K9AY (KAZ) null was not deep enough to

650 CISL
 VANCOUVER'S OLDIES STATION
 South Fraser Broadcasting Limited,
 20-1151 Horseshoe Way, Richmond, B.C. V7A 4S5

provide a useable signal from Cadiz. The gain difference between the two K9AYs was about +7dB in favour of the Gary Breed K9AY. However, I don't see the performance difference between the two K9AYs as a problem, but something to be expected from two loop shapes.

My real concern was the poor F/B performance of the KAZ on MW, so was I doing something wrong or was some other factor affecting the performance?

I did not compare the KAZ to another Pennant. So it would be unfair to say that the problem was just with the KAZ.

My first thoughts were just to dismiss this exercise as another failure. However, I decided to do some more experimentation; first was to increase the antenna gain by placing an amplifier directly to the loop. This would provide reverse isolation of the feeder to the antenna and so prevent any feeder induced signal degrading the F/B. The Amplifier I used was a DATONG AD270 Active Dipole Head Unit. This resulted in increasing the average LW F/B to 19dB and the MW F/B to 27dB. The down side to using the DATONG AD270 was too much gain on LW resulting in RX overload with Broadcast Stations.

Next, I had the idea of using an amplifier/Vactrol combination at each end of the antenna to provide a remote control of the antenna direction together with remote termination control and feeder isolation. Unfortunately, I didn't have another AD 270, so I built two Hi z input Amplifiers using VMOS FETS in a differential/push-pull configuration (antenna connects directly to the FET gates via coupling caps). Using Hi z input Amplifiers allows for the Amplifier to shunt the Vactrol with only a minor reduction in the F/B. Each Amplifier feeder and the Vactrol control line was brought back to a Control box next to the Rx. The antenna direction was achieved by simply switching one of the Amplifiers to the Rx and controlling the Vactrol at the opposite end of the antenna. This Reversible KAZ provided an average LW F/B of 18dB and the MW F/B of 28dB. Unfortunately, I didn't slug the HF gain of the VMOS amplifier, thus I did experience some intermod on MW. However, I considered that this antenna design was a success, as I had integrated four improvements to KAZ/Flag/Pennant; 20dB gain, Remote Reversibility, Remote Termination and Reverse Feeder Isolation.

Later, I abandoned the VMOS FET Antenna Amplifier in favour of a Bipolar design (a 20dB gain version used in some Wellbrook K9AYs). This Amplifier was used with a 20:1z input xmr and a DPDT relay to switch the antenna to either the Vactrol or the amplifier. With no power (12 volts via the feeder) applied to the Amplifier, the Vactrol would terminate the antenna. Applying power the Amplifier, the relay is energised to isolated Vactrol and connect the Amplifier to the antenna.

The remote Vactrol termination is controlled via a separate single wire from the Control Box, the control voltage return path is via the feeder screen. Thus, by just selecting (powering up) the amplifier, remote beam reversal is achieved. This amplifier configuration provided the same performance to the VMOS version, with an average LW F/B of 18dB and the MW F/B of 28dB without any intermod problems.

This Antenna amplifier system could be expanded to several antennas with the Vactrol control line being daisy changed to the amplifiers.

A single pole multi-way switch in the Control Box is just required to select the require antenna amplifier. Alternatively, a relay box could be used at the 'Antenna Farm' to reduce the number of feeder cables coming back to the antenna control box.

An interesting feature of this antenna design is the possibility of its use with the EWE antenna and the Delta and Diamond variants of the Pennant/Flag.

To summarise;

20dB gain, Remote Reversibility, Remote Termination and Reverse feeder isolation is achievable in one design.

Although this antenna configuration is more complicated than the K9AY, I am pleased that it achieve the same performance.

Finally, I think that one issue with the Flag/Pennant antenna needs further investigation; Is reverse isolation of the feeder a key factor in achieving a good F/B ? (a 20:1 z xmr does not provide any reverse isolation, it only reduces capacitive coupling). Or is simply increasing the gain of the antenna before the feeder improving the F/B? If either is the case, then placing the amplifier next to or very near to the antenna may be necessary design feature!

Kind regards and good listening

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Musings

of the Members

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.

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

Ron Musco - P.O. Box 118 - Poquonock, CT 06064

Dave asked who had the most veries signed by him. I've got: 1260-WNRK, 1270-WMIZ, 1460-WCEI, and 1520-WCHE. And one that isn't countable: 650-WNRC Enfield, CT from the 1983 Convention site. One other v/1 in from 1290-WCCC West Hartford "Beethoven Radio" signed by ex-NRCer John Ramsey who is also the GM of WWUH-FM over at the University of Hartford. WCCC was doing some FM tower work and the AM went 189 hZ on the low side. A phone call to John helped him out and helped me out. I like it when people complain about radio stations and do nothing about it. Give them a call, promote the NRC, tell them about our Log Book and Pattern Book ... but its easier to sit in front of a terminal and complain to the world. I called 1000-WCMX and told the Church group manager Nathan that they were on all night with a D1 license and he thanked me for the info (what he does with it is his problem, but at least he was told in a kindly manner). I won't be at the Convention as a new roof and vinyl siding on the house and garage is more important (I'll have the majority of the big jobs around the house done before I retire). I received (for \$8.50) about 28 Xerox copies of Connecticut verifications from the Hornbake Library at the University of Maryland. Most were from the Waterbury station of the 30s and 910 New Britain when it was WNBC and WTHT (The Hartford Times newspaper) and the one I was really after, the Storrs station at the University of Connecticut. These came from the CPRV collection. I've done no listening all year as IDing stations has gone down the toilet ... you would think they'd like you to know who you were listening too. They don't care and neither do I! I don't need six Spanish-speakers in the Hartford market. My 1970 Plymouth has an AM only radio and the only thing worth listening to is WCCC for good music when I go to car shows. Ah, give me the old days when 1380 used to open up to the west coast!

Ken Onyschuk - 331 Pine Street #1 - Joliet, IL 60435 (815-774-0184)

Just an update before the convention. While some of you are headed to Pittsburgh, I'll be going to St. Louis for the Decalmania convention to meet new DXers. My mind is now occupied anticipating my 35th high school reunion in August and my oldest son marries in October. The Spring Arbitron ratings came in last week showing WGN-720 as #1 at a 7.0 (Cubs baseball helped but I'm a White Sox fan!), WGCI-FM at #2, #3 was WBBM-780 with a 4.6, 6th place was a tie with WLS-890 and WVAZ-102.7 with 4.2's, then way down to #23 was WAIT-850 with a 1.6, 24th place was a tie between WSCR-670 and WGCI-1390 with 1.5 each, #27 was WMVP-1000 with a 1.2 and #29 was WVON-1450 with a .9. Do you realize how many other AM stations in this area are missing? Incredible! As many of you realize, there are so many satellite radio programs out there, you can hardly find anything local except in small town stations which I can enjoy. Even the weather forecasts seemed to be taped with no current conditions given. That's why I am glad I have the Sangean CC Radio; the 5 weather buttons are very useful. I can hear updated conditions on 3 stations here in Joliet. Can other DXers be so fortunate? Locally WJOL-1340 all local satellite talk, WITN-93.5, WLLI-96.7 and WBVS-100.7 are housed at 2410 Caton Farm Road, Crest Hill, despite that WBVS is licensed to Coal City. I've learned that while all 4 stations are just a block from my one part time job, the tower remains at the old address on Walnut Street across from Silver Cross Hospital, the signal is fed by microlink from the west side studios. WJOL also has added auto racing heavily to its weekend schedule as have other stations in IL that use to carry baseball. Finally, in the 7/9 issue of *Crain's Chicago Business*, there was a lengthy feature on the problems of suburban radios profitability problems. Also in it was noted WSPY-FM owner Larry Nelson eventually wants to put silent WFXW-1480 back on. That's it for now; good DX and enjoy your sports!



John R. Malicky - 995 Shadycrest Road - Pittsburgh, PA 15216-3046

Hello all! From my last MUSE, here's an interesting story about WZUM-1590 Carnegie, PA. In the fall of '98 and after some changes, owner Michael Horvath purchased 1590, then religious WPLW for 24 years. Prior to this and in his ID, he returned to "A Pittsburgh Original, AM 1590 WZUM Carnegie-Pittsburgh." Well, return to the mid 60's through 1974 when the calls were WZUM, a progressive rock and earlier and oldies station, a favorite to many local listeners including yours truly. For a good

Expiring? Time to renew? Not sure when? Need to call or e-mail someone? Check the back page - it's all right there!

while, WZUM in 1998 up to 2000 just existed with no home, just a new transmitter and soon to follow a new 3 tower sight in Chartiers Township. It was and is Mr. Horvath's dream to keep a tradition going, a station he wanted to exist and grow, a single AM-only license. Finally and unknown to me in early 2000, he persuaded a local oldies DJ "Mad Mike" Metrovich and Mike's friends to lease time on WZUM and broadcast from a makeshift studio that Mike built inside his son-in-law's pizza shop on Route 19 Banksville Road and 1 mile from my home. Pete also brought some of his equipment in and soon there was a studio with 2 turntables, a rack with new equipment and microwave link to the transmitter inside the right corner of the pizza shop! The room was once part of the diner with the booths still there. In the early spring of 2000, WZUM was on the air! Oldies, right from the 45's, danced out the door to the surrounding South Hills area of the city and beyond, but suffering more at night when WZUM powered down, 250 or 1000 watts days to 40 to 6 watts nights, my approximation. A special treat was every Wednesday night, "Pietro's Pizza" and WZUM sponsored a classic car night with several cars from the 50's and 60's in their lot. And I played dumb! Finally, after a great NRC Lima trip, I returned home and found out WZUM was inside Pietro's! Plus on Friday nights, when the station broadcast high school football games, Mike was there 'minding the store' and off the air until Saturday night. Mike was on 3-5 nights a week. It was a great treat to meet him as I stopped 4 times from September through October. A personable fellow, Mike was very interested about the NRC. I hoped to work out something where we could go see the operation during the convention. Til this day, I can still see Mike spraying Windex on his thousands of 45's for air play to have a clear

sound.....WINDEX! (Geeeeezeeee-DWS) And today, everyone else with music on computer! Then on the 1st Friday night in November, I met fellow NRC'er CURT WHITE for dinner at Pietro's, I wanted to show Curt the operation and meet "Mad Mike." We were very saddened to learn of Mike's passing Halloween eve October 31st. Mike had received a plaque of recognition for his years of service for 'playing the hits' 2 weeks earlier. Two months later, WZUM could no longer afford to play 'the hits' and dropped their oldies format near the end of January 2001. During November and December 2000, WZUM played recordings of some of "Mad Mike's" shows in the evenings. The owner gave the other DJ's a 90-day extension but things didn't work out as Mike was 'the show'. Later, WZUM had a morning traffic information service, but that fell apart and they continued with a canned 'smooth jazz' format and soon picking up some brokered time gospel and ethnic programs on Sunday. The equipment, WZUM poster and large picture of Mike are still inside Pietro's. The owner of Pietro's, Pete Stanley, wants to continue the classic car night on Wednesday and is working on a CD of Mike's favorite oldies to be released soon. Hopefully we'll have some copies at the convention. WZUM's mailing address as of last contact with Mr. Horvath (also a radio contract engineer) is P O Box 27, Monroeville, PA 15146. Long live WZUM, "Mad Mike" and Pietro's! 73's and see you in "The Burgh".

Dave Schmidt - P O Box 3111 - Scranton, PA 17505-0111

Both Ken & John bring some interesting points into the spotlight about AM radio and the bottom line: the cost of the operation. There are lots of reasons I can see why many of the AM's are running out of closets, satellite and computers, etc. One hidden cost many don't know about are music fees; they can run into thousands of dollars each month, plus salaries, the electric and phone bill, etc., etc. If the ad revenue isn't there, it's just not going to happen. Too many times I've seen operators with visions of having a Lincoln Town Car but who can only afford a Ford! In many areas, cable TV has invaded a lot of the ad revenue sources, taking a lot from the radio income source (this was a big reason for WNRK's demise). You have computers running in stations now, as a moderate investment in a system can pay off in a couple years. Many talk shows are 'pay', but there are a lot of 'barter' or even free ones floating around on the satellite channels. My hat goes off to the AM operators in the small city areas that have hung in there and keep all or a good portion of local programming and it still does exist. The technical side is a story in its own! And we're looking forward to getting your MUSINGS as we start off another DX season (my 37th year as a NRC member!), traditionally the reintroduction issue is the first one of the new season, so YOUR reintro would be appreciated! We'll work up a schedule for some "Memory Musings" and those that have been in the club for a few weeks! And as always, new members are invited to send in a report and let us know about themselves. If scheduling goes right, I should be in Pittsburgh for the convention. 73's

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Registration: Convention registration is \$40 and will include a Saturday night buffet, Sunday morning breakfast, snacks, soda, and beer, plus a pizza party Friday night, starting at 5 pm. Convention activities include speakers, a DX Quiz, the infamous NRC Auction, a tour of KDKA at 1 pm Friday, followed by a WJAS tour, and more! If you wish, you'll be able to purchase a commemorative T-shirt, complete with NRC and station logos, for \$10.

Your registration must be made by check or money order and made payable to "National Radio Club" and sent to John R. Malicky - 995 Shadycrest Road - Pittsburgh, PA 15216-3046. Please send auction items to the same address.

Room Reservations: For early arrivals, five rooms have been reserved; 25 rooms are reserved on Friday and Saturday, and 20 on Sunday. Reservations will be held only until August 10 for single- or double-bed rooms at \$69 plus tax/surcharge per day. Reservations are guaranteed after 4 pm by a first-night room deposit or a major credit card. Make your reservation directly with the Greentree Radisson by calling 1-800-333-3333.

Travel: Pittsburgh International Airport (which opened October, 1992) has daily flights by many airlines including USAir, and service includes a complimentary hourly shuttle service to and from the Radisson. The Greyhound Bus Station is downtown three miles from the hotel. By car, the Radisson is just off the Parkway West or I-279 (From I-79, take I-279 north to Exit 4, "Greentree/Mt. Lebanon Exit", turn left at the traffic light onto Greentree Road [Rte. 121], turn left at the first traffic light onto Mansfield Avenue; go through two lights, and then look for the Marriott Drive "Radisson" hotel sign and turn right. From the turnpike, I-76, take I-376 through downtown, which becomes I-279 south to Exit 4 "Greentree/Crafton Exit" and bear left onto the "Crafton Exit", then turn left onto Mansfield Avenue; go through two lights, and then look for the Marriott Drive "Radisson" hotel sign and turn right. See you in da 'Burgh!

