## ) X News

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Reprints Catalog

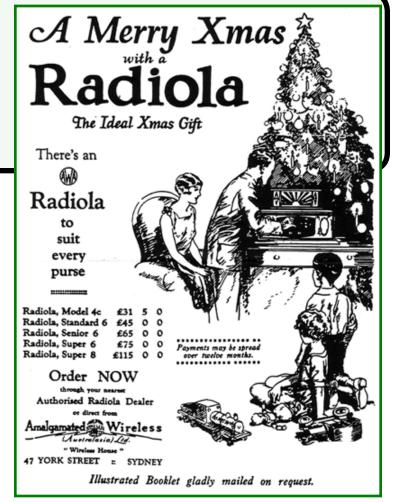
From the Publisher ... As you peruse this, the last DXN for 2008, may we wish you a Merry Christmas plus all other appropriate greetings for whatever your creed, beliefs, or native language.

No IDXD for this issue – we believe that Bruce Conti is snowed and iced in and probably burning old DXN's to keep warm, as much of the New England area is dealing with no electricity.

**Unfilled positions** ... We're still in need of volunteers for the following positions: a DXN publisher, ASAP; replacement editors for languished columns ("DX'er's Notebook", "The Answerman" and "Memory Dredging"), and one or more persons to edit future NRC publications developed by contributors or the club.

#### DXN Publishing Schedule, Volume 76

L	Deadline Pi	ubl Date	22.	Feb. 20	Mar. 2
14.	Dec. 26	Jan. 5	23.	Feb. 27	Mar. 9
15.	Jan. 2	Jan. 12	24.	Mar. 6	Mar. 16
16.	Jan. 9	Jan. 19	25.	Mar. 20	Mar. 30
17.	Jan. 16	Jan. 26	26.	Apr. 3	Apr. 13
18.	Jan. 23	Feb. 2	27.	May. 1	May 11
19.	Jan. 30	Feb. 9	28.	June 5	June 15
20.	Feb. 6	Feb. 16	29.	July10	July 20
21.	Feb. 13	Feb. 23	30.	Aug. 7	Aug. 17



#### DX Time Machine

From the pages of DX News

25 years ago ... from the January 2, 1983 DXN: G. Harley DeLeurere, Hendricks, WV, heard R. Paradise-825, St. Kitts, for country #71.

10 years ago ... from the December 21, 1998 DXN: Fred Vobbe reported that the NRC e-mail reflector was up and running.

#### NRC AM Radio Log, 29th Edition

The NRC AM Radio Log is unbound and three-hole punched for standard binders. Ships around Sept. 1; pre-orders accepted now! Media Rate: \$19.95 to U. S. NRC members; \$25.95 to U. S. non-members; to Canadian members, \$24.00 (\$28.95 to non-members); add \$3.00 for Priority Mail. Airmail to all outside of USA/Canada: \$32.00. Canadian orders: PayPal or postal M. O. only.

Order from: NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251, or via www.nrcdxas.org. (CO residents, please add 3.5% sales tax.)

1200

1220

NEW

**NEW** 



Bill Hale w\_r\_hale@sbcglobal.net
6124 Roaring Springs Drive
North Richland Hills, TX 76180-5552



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

	8								
		<u>C</u>	ALL LETTER CHANGES						
	<u>Old Call</u>		New Call AMOSO						
			None to report this Issue						
			CPs ON THE AIR						
900	WFIA	KY	Louisville - CP for U1 930/162 is on the air.						
1010	WMIN		Sauk Rapids - CP for U4 1700/240 from 4 towers (3-day/4-night) is on at						
			N45-36-18 W94-08-21.						
1170	KJXX	MO	Jackson - CP for D1 250/5 is now on, adding night service. [state correction						
1260	MINION	<b>TA7T</b> 7	from last issue]						
1360 1400	WMOV WSTK		Ravenswood - CP for D1 5000/0 is on the air.  Jacksonville - [Update] Presumed still testing as heard (but with no legal ID)						
1400	WOIK	NC	and no spots. On apparently 24/7. The following slogans have been heard:						
			"Beachin' Oldies"; "Beachin' Oldies for Eastern Carolina - The Wave"; "The						
			Wave"; and "The Home of Beach and Oldies - The Wave". [follow-up to item						
			in Issue 11].						
1520	KYND	TX	Cypress - CP for D5 3000/0 CH 2600 is on the air. The CP for U7 3000/260						
			CH 2600 has been dismissed by request of the applicant. They have now applied for U16 3000/2 CH 2600 adding the night facilities.						
			phed for \$10 0000/2 cff 2000 adding the hight facilities.						
			<u>ACTIONS</u>						
<b>540</b>	WRGC		<b>Sylva - CP granted for U2 5000/210</b> , along with a move from 680 kHz.						
1230	KYSM		Mankato - Coordinate correction to N44-10-06 W93-54-39.						
1480	WTLO	KY	Corbin - CP granted for U1 1000/27 adding the night service and moving to N37-04-50 W84-39-39 along with a change in City-of-License from Somer-						
			set.						
			<u>APPLICATIONS</u>						
1110	KJSA		Mineral Wells - Applies for D4 50000/0 CH 39000.						
1220	WPHX	ME	<b>Sanford</b> - Licensed for U1 1000/234, WPHX has applied for an STA for 500000/234 [correct] due to the fact that "The station's transmitter is old, not						
			operating properly and in need of replacement. It cannot operate consistently						
			at full power. The licensee requires an STA while it plans for replacement of						
			the transmitter. The replacement process will require shopping for, placing an						
			order for, and installing the new transmitter. This process will require several						
			months." And the application does say "500 kW"! Those darn decimal points						
1140	KZMQ	WY	will get you every time. <b>Greybull -</b> Applies to change the City-of-License to Ten Sleep and move to						
1110	RZIVIQ	•••	a new tower site at N44-06-12 W107-28-50 while remaining D1 10000/0.						
4000	THOR O		CPs and APPLICATIONS DISMISSED						
1220	WSRQ	FL	Sarasota - Application for U4 2000/240 has been dismissed. Licensed for U4						
1290	WWHM	SC	<b>1000/159</b> , an application for U4 1000/39 remains on the books. <b>Sumter -</b> Application for U1 1000/12 while moving to Wedgefield has been						
1270	***************************************	50	dismissed. WWHM continues to be re-broadcast on W227BI - 93.3 MHz						
			Sumter.						
1470	KUOL	TX	San Marcos - CP for U4 500/250 has been rescinded. KUOL remains U2						
			250/250.						
			APPLICATIONS FOR NEW STATIONS						
860	NEW	SD	Black Hawk - Applies for U4 50000/350.						
1190	NEW		Pine Bluff - Applies for U2 50000/350.						

MN Chanhassen - Applies for U2 1300/1000.

NY Lakeville - Applies for U4 2500/2500.

CO Steamboat Springs - Applies for U1 1000/1000. 1340 NEW OR Central Point - Applies for U1 1000/1000. **NEW** 1400 1490 **NEW** MS Ellisville - Applies for U1 900/900.

**HEAR AND THAR** 

☐ Returning to the airwaves: **WIDG-940 St. Ignace, Michigan** returns to the air with religion, simulcasting WTCK-90.7 Charlevoix.

☐ But on the SILENTs list: WLVA-590 Lynchburg, Virginia; and WRRA-1290 Frederiksted, Virgin Islands.

☐ Thanks to **Shawn Axelrod**, **Mike Hardester**, **Wayne Heinen**.

☐ Here's my wish to all of our readers for a Merry Christmas or Happy Holidays, or however you celebrate this time of year. We're taking our annual two-week Holiday break, so we'll see you in two weeks.

Domestic DX Digest

West: Bill Dvorak westlogs@aol.com (Division line 3358 Ridgeway Ave. - Madison, WI 53704-4327

is between East and Central time

East: Mike Brooker aum108@idirect.com 99 Wychcrest Ave - Toronto, Ontario M6G 3X8 CANADA

zones)

DDXD-W

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

#### **DDXD-West**

FROM THE VAST WESTLAND

**Doug Smith**, a native Wisconsinite who lives in the Nashville area, checks in with some loggings heard when he was back home visiting over Thanksgiving. About his DX report, Doug comments: "Too darned cold to do anything outdoors on this visit!" That's my pet theory as to why the Upper Midwest has produced so many great DXers, Doug!

I've had some fun on 960 and 980 for the last three weeks while local WHA 970 had their IBOC turned off. Well, it's baaaack... first noted on 12/8 generating adjacent channel hash. <u>Lump of coal!</u> Which reminds me, I was recently talking to **Santa** and he told me that no one in the NRC asked for an HD radio this year.

This is the last *DXN* for 2008! It is time for New Years resolutions. I have two that I would like to share with my fellow Vast Westlanders. I resolve to do more DX in 2009 and I resolve to support new editor **Greg Harris** with my logging submissions. To further emphasize my commitment to these resolutions, I have written the following lyrics, set to "Auld Lang Sine." Please feel free to sing along, substituting your receiver for my Drake, if you wish:

> I'll make acquaintance with my Drake *For DX at its best,* And send my loggings off to Greg At D-D-X-D West! Domestic D-X Digest West You can send your loggings on To Greg at this e-mail address: *West\_logs at yahoo-dot-com.*

Here is the full info on how you can reach Greg. His e-mail address is west\_logs@yahoo.com. His USPS mailing address is 262 Juniper Street, Park Forest IL 60466-1725. I will continue processing your (e-mail and) USPS submissions through Friday, January 2, but please send them to Greg if you think they will not reach me by that date. Happy Holidays, may 2009 be a great year for you and for DDXD-W, and CU next year!

**73 Bill** 

#### Reporters

**DS-WI Doug Smith, DXing in Menomonee Falls.** Radio Shack DX-398 barefoot.

Forest Osborn, Hooker. IC-R70, Hammarlund HQ-150, 4 foot loop and 200 foot long-FO-OK wire.

	GH-IL Greg Harris, Park Forest. Icom R75 / Quantum Loop. GH-KS Gary Houdek, Munden. GE Superadio.							
JJR-WI John J. Ri		J. Rie	ger, South Milwaukee. Icom IC-R75, Kiwa loop, MFJ-959B tuner-preamp.					
			nham, DXing near Joplin. 2004 Ford car radio. ns, Wheat Ridge. Drake R-8, 4-foot loop.					
-	MLP-NE Mike Plumb, Papillion. Sony ICF-2010, MTM Scientific loop.							
SS-KS			gue, Coffeyville. DX-396, Select-a-Tenna.					
WH-C	•		<b>nen, Aurora.</b> Drake R8B, $E/W$ Flag, $N/S$ Flag, Dual TG-1 Termination Gizmo, ering RPA-1 preamp and Mini DXP5.					
EdW		_	, Madison.					
1070	WTSO	WI	Station News  Madison. This all-sports station has announced major programming changes					
			effective 1/1/09. The station's nearly decade-long affiliation with ESPN ends on that date, replaced by Fox Sports Radio. In addition, the syndicated Jim Rome and Dan Patrick shows will be picked up. Local sports talk expands from four to six hours each weekday with the addition of a two-hour morn-					
			ing drive show. Replacing "ESPN Radio 1070" is the new slogan ID "The Big					
1510	KCTE	MO	1070" (as in the Big 10 get it?) (EdWI)  Independence. We have been following the progress of this station, forced					
			off the air by a transmitter fire, in the last two issues of DDXD-West as it progressed toward signing back on. Word from <b>J.E. Lewis</b> is that it returned					
1600	V.D.I.O.	т л	to the air on Saturday 12/6. <b>(EdWI)</b>					
1680	KRJO	LA	<b>Monroe. 12/6 2100.</b> Out of UC music with "KRJO Monroe." Later noted slogan "The heart and soul of northeast Louisiana, the all new Old School 1680					
			AM." Using Old School slogan and most of the music that I heard was UC:					
			OLD. Looks like format switch. No mention of //KBYO 1360 at ToH either. <b>(WH-CO)</b>					
1700	KKLF	TX	<b>Richardson. 12/6 0300.</b> "KKLF Richardson-Dallas-Fort Worth, a Keynote station" to Sporting News Flash. No longer ESPN or //1310? <b>(WH-CO)</b>					
			(I exchanged e-mails with <b>Bill Hale</b> on 12/12 about this situation. KKLF is					
			// KTCK 1310, and both are // KTDK 104.1 FM Sanger TX. These stations carry Sporting News Radio on a limited basis, mostly overnight. What they					
			don't carry is ESPN. The ESPN affiliate for the metro Dallas-Fort Worth area					
			is KESN 103.3 FM Allen TX. <b>EdWI</b> )					
<b>5</b> 00	LINID		Presumed, Tentative, UnID					
580	UNID		<b>2/2 0815.</b> Ad for weight-loss operation with phone number 780-0BMI, " bmi.ca"; "Canadian dollar was at its peak" Also, ad for garage door firm,					
			757-8482, 1375 West Washington Street in Charleston. Probably two different					
			stations CFRA and WCHS. Haven't been able to track either ad down on the Internet. <b>(DS-WI)</b>					
630	UNID		<b>11/28 1715.</b> With country over looped WTMJ 620 IBOC sidebands. Probably CFCO. <b>(DS-WI)</b>					
790	CIGMp	ON	<b>Sudbury. 12/2 0818.</b> Very good with Canadian call-in talk show, number ?77-4426. Presumably CIGM which was usually pretty loud here (but not for long,					
			they're moving to 93.5 FM). <b>(DS-WI)</b>					
880 890	UNID UNID		11/28 1731. With Minnesota weather. Probably WMEQ WI. (DS-WI) 11/28 1735. Over looped WLS with CNN news. KQLX probably. (DS-WI)					
1270	UNID		<b>12/9 0630.</b> Poor. "AM 12-7-Oh - FM 92-9. "Sounds of the Season" to fade.					
			Satellite fed. Searches led to zilch! (JJR-WI)					
<b>650</b>	TAIN IN ATT	NANT	Regular DX Loggings (times in ELT)					
650	WNMT	IVIN	<b>Nashwauk, 12/1 1728.</b> Fair over looped WSM with ad for Virginia humidor "on WNMT" Obviously something I'm not likely to hear at home! (but					
720	MAIDE	NAO	surprisingly rare in Milwaukee). (DS-WI)					
730	KWRE	MO	<b>Warrenton. 12/7 1915.</b> "KWRE" ID by male announcer and local ads. Good signal. Not heard here in almost two years. <b>(GH-IL)</b>					
740	CFZM	ON	Toronto. 12/3 0102. " and ready to play from Toronto's AM 740" to nos-					
			talgia music. First time this season, but sure wish I had a call sign to tape!					

			(WH-CO)
740	KVOX	ND	<b>Fargo. 12/3 0159.</b> "This is Carla Nelson, head coach of the grey basketball team
			and you're listening to the biggest ticket in sports, AM 740 KVOX Fargo."
			Mixed with CFZM. New for me and taped. (WH-CO)
<b>750</b>	<b>KOAL</b>	UT	Price. 12/2 1915. Motor Racing news, interview with Jimmie Johnson of Nas-
			car, then other Nascar news. Heard here before but this time on top of the
			frequency. (FO-OK)
<b>750</b>	WNDZ	IN	<b>Portage. 12/10 0815.</b> Came on right at 0815 with sign-on announcement by gal:
			"Good Morning. This is AM 750 WNDZ Portage, Indiana-Chicago "followed
			by a typical disclaimer about "the views and opinions expressed are the sole responsibility of WNDZ"; then a man said "The following program
			is produced and sponsored by the Ukrainian Community of Chicago";
			not much copiable after that. Very rough under KMMJ but several call letter
			IDs for a new one from a rare state, IN #9! Thanks to Editor Bill for helping
			nail this one down this is my unID from issue 76-11. (JW-CO) (Glad to be
			of help, John! You not only got a rare Indiana station, you got an even more
770	TAVATO	ΟIJ	rare Vast Westland Indiana station! EdWI)
770 780	WAIS WJAG		Buchtel. 11/28 1948. Call ID. (DS-WI) Norfolk. 11/28 1815. Under looped WBBM. "tells WJAG news" (DS-
700	WJAG	INE	WI)
790	WAYY	WI	<b>Eau Claire. 11/22 1900.</b> ESPN programming. Legal ID gave CoL as Eau Claire-
			Chippewa Falls. (SS-KS)
<b>790</b>	KFGO	ND	Fargo. 11/28 1810. "Your KFGO Weather"; someone underneath signing off
<b>-</b> 00	LEDE	<b>6</b> 4	with SSB. (DS-WI)
790	KFPT	CA	<b>Clovis. 12/8 0759.</b> Surfaced above the pack at 0759:50 with a mention of "790 ESDN," then a simple "VEDT Clovis" legal ID. Bouch sony and soon foded
			ESPN," then a simple "KFPT Clovis" legal ID. Rough copy and soon faded. Not common here, as their nighttime pattern goes due west. (JW-CO)
840	KTIC	NE	West Point. 11/30 1737. Fair. "kticradio.com." (DS-WI)
850	WWJC		<b>Duluth. 11/28 1720.</b> "AM 850 WWJC The Light." ( <b>DS-WI</b> )
870	WKAR	MI	East Lansing. 12/2 0820. "For WKAR," "msu.edu" (DS-WI)
880	WRFD	OH	Columbus-Worthington. 11/28 1718. With sign-off; turned the transmitter
020	CEDY	MD	off before the announcer was done, hi! (DS-WI)
920	CFRY	MB	<b>Portage la Prairie. 11/30 1942.</b> Good over looped WOKY with Manitoba weather and sung ID. <b>(DS-WI)</b>
920	WMOK	IL	<b>Metropolis. 12/8 1940.</b> Country music. IDs "Your Home Town Station" and
7_0			"Real Country." New. (SS-KS)
940	WYLD	LA	New Orleans. 12/2 1948. Gospel music, traffic report on I-10. ID at 1949 as
			"Amen 940." Strong signal as maybe still on day power. (FO-OK)
950	WORD	SC	<b>Spartanburg. 11/30 1833.</b> Near local strength with call IDs. Commonly heard
			in Tennessee but never this loud! Only decent Southern signal heard on this
1010	KXXT	Δ7	trip. <b>(DS-WI) Tolleson. 12/5 1844.</b> Religious program on "Family and Friends Network."
1010	KAAT	AL.	Call letter ID at 1845. At 1900, announced "Merry Christmas from KXXT."
			(FO-OK)
1070	WINA	VA	Charlottesville. 12/5 0638. Poor with calls, weather. No WTSO, others! (JJR-
			WI)
1090	KVOP	TX	<b>Plainview. 12/5 1924.</b> Fox Sports Network news. Radio Shack ad and Harbor
			Freight ad at 1925. ID at 1926 as "The Mighty 1090 KVOP." All of this in EE, not SS as the 29th NRC Log shows, apparently changed. (FO-OK)
1120	KEOR	ОК	Catoosa. 12/8 1400. Still no ID at ToH they do it at 10 after. Rock'n'Roll old-
			ies Jerry Lee Lewis' "Great Balls of Fire. Only ad is Keep Kids off Drugs.
			Still testing? (SS-KS) (See Steve's previous logging of this station in DDXD-W
4400	KEOD	01/	#76-10 EdWI)
1120	KEOR	OK	Catoosa. 12/10 1100. Playing 50/60s oldies. Only legal ID on hour, otherwise
			continuous music. New station. Heard on drive to Tulsa from OK/MO line on I-44 only eight miles from my home in Joplin MO. No sign of KMOX.
			Catoosa is a suburb of Tulsa on northeast side near I-44. Good signal within
			75 miles northeast of Tulsa toward Joplin. (JRT-MO)
1190	CFSL		Weyburn. 11/30 1825. "localjobshop.ca." (DS-WI)
1210	WILY	IL	Centralia. 11/30 1624. "AM 1210 WILY." Commonly heard in Tennessee, not
			so much so in Wisconsin! (DS-WI)

6			
1210	WPHT	PA	<b>Philadelphia. 12/10 2158.</b> Fair to good signal. Talk show ending. then at 2200:10 CBS news; weather from the Weather Channel, ending with "on the Big Talker, 1210 WPHT." Two commercials followed. Moderate fading, slight
			to moderate interference from the others on 1210 kHz. Taped and new! (MLP-NE)
1260	WSDZ	IL	<b>Belleville. 12/7 0702.</b> Poor with legal ID as "WSDZ, WSDZ-HD1 Belleville-Saint Louis." Over WNDE. (JJR-WI)
1270	WLIK		<b>Newport. 12/9 0630.</b> Poor with legal ID into "Tennessee Radio Network news" to fade. <b>(JJR-WI)</b>
1280	WWTC		<b>Minneapolis. 11/28 1703.</b> Poor; "jfieldlaw.com," "mention The Patriot"; 763 area code phone number matches website in Anoka. <b>(DS-WI)</b>
1370	WGIV		<b>Pineville. 12/4 0621.</b> Very poor with "WGIV, good morning" on phone patch which cut through 1370 clutter! NEW! (JJR-WI)
1370	<b>KWRT</b>		Boonville. 12/7 0655. Poor on WSPD. Calls, classic country. (JJR-WI)
1390	KENN		<b>Farmington. 12/4 0000.</b> Out of "Savage Nation." "Your home for Bill O'Reilly and Paul Harvey, 1390 KENN" to ABC news. KGNU phased. <b>(WH-CO)</b>
1390	KENN	NM	<b>Farmington. 12/6 0834.</b> Dual ID couched in a brief program note: "Catch Paul Harvey afternoon news and comments weekday afternoons at 1 on NewsTalk 1390 KENN Farmington and 740 Cortez," and back to Coast to Coast AM. Fair with local KGNU running open carrier. (JW-CO)
1390	KLGN	UT	<b>Logan. 12/6 0848.</b> "A Cache Valley tradition 1390 AM and 103.3 FM KLGN: and into an Andy Williams Christmas song. Spotty reception, with more Christmas music, mixing with KENN in local KGNU's open carrier. KGNU came back on at 0900. (JW-CO)
1400	KDTA	CO	<b>Delta. 12/4 0859.</b> Two-and-a-half-station ID at 0859:50: "Hear The Light now at 99.5 in the Grand Valley. KJOL Grand Junction and KDTA Delta-Montrose" and into religious programming. Rough in QRM. (JW-CO)
1400	KLIN	NE	<b>Lincoln. 12/5 0304.</b> Ending Fox news. "Lincoln's only News and Talk 1400 KLIN" to local news. (WH-CO)
1400	KBRB	NE	Ainsworth. 12/5 0500. Briefly up with a call sign ID. (WH-CO)
1400	KAYS		Hays. 12/5 0559. Out of ESPN programming. "KAYS Hays" ID into the mush. (WH-CO)
1400	KKTL	WY	<b>Casper. 12/6 0859.</b> Guy says "KKTL Casper now streaming online at am-1400casper.com"; ABC news followed, I think was mixing with several others. <b>(JW-CO)</b>
1400	KCOW	NE	<b>Alliance. 12/8 0906.</b> "Good morning, I'm Jerry Thorn (?) Double Q Country with KCOW news, weather, and sports" and then faded into the muck. The "Double Q" refers to their FM, KAAQ, which has only one Q. (JW-CO)
1420	WFLT	MI	Flint. 12/4 0640. Poor to fade. "239-5733. Give a shout out to Jesus." Phone number matched. Rare! (JJR-WI)
1440	KDIZ		Golden Valley. 11/28 1700. Fair with Radio Disney, legal ID. (DS-WI)
1530	WLOC	MI	<b>Lapeer. 12/5 0156.</b> "Real Country" slogan-ID by male announcer and C&W vocal pieces. Briefly peaked over WCKY then faded. New. <b>(GH-IL)</b>
1550	WDLR	ОН	<b>Delaware. 12/12 0100.</b> "WDLR" ToH ID by male announcer followed by barrage of SS. The word "Buena" used frequently. Fair. New. <b>(GH-IL)</b>
<b>1570</b>	WILO	IN	<b>Frankfort. 12/7 0640.</b> Very poor over others. Calls into song. (JJR-WI)
1580	CKDO	ON	<b>Oshawa. 11/28 1720.</b> "CKDO Presents" In good all night for my entire visit. Never logged on 1350. <b>(DS-WI)</b>
1600	KPNP	MN	<b>Watertown. 12/9 0607.</b> Very poor but steady with Hmong chattering. No calls ever heard on this one. <b>(JJR-WI)</b>
1670	WTDY	WI	<b>Madison. 11/28 0708.</b> National Football League ball scores, station ID "WTDY, it's 6:08." Then the station got too weak to hear. <b>(GH-KS)</b>
1670	WTDY	WI	Madison. 12/7 2200. "WTDY AM 1670 Madison" to ABC news. (WH-CO)
1670	KNRO		<b>Redding. 12/7 2200.</b> Out of country rock type music under WTDY. "K-pig" slogan. <b>(WH-CO)</b>
1670	KHPY	CA	<b>Moreno Valley. 12/7 2300.</b> Out of SS announcements. Brief KHPY ID to more SS. Mixing with WTDY. <b>(WH-CO)</b>
1680	KGED	CA	<b>Fresno. 12/7 0900.</b> Weak non-descript music to "KGED 1680" just above the noise. Needed call change taped. <b>(WH-CO)</b>
1700	KVNS	TX	<b>Brownsville. 12/6 0003.</b> "AM 1700 KVNS Brownsville" to Beatles oldies music. KDDZ 1690 IBOC phased. <b>(WH-CO)</b>

IA Des Moines. 12/6 0400. Queen's tune "We are the Champions" to "AM 1700 1700 **KBGG** 

KBBG Des Moines, The Champ" to ESPN programming. (WH-CO)

#### **DDXD-East**

No DDXD-E last week, as I was visiting the greater Detroit area, dodging the IBOC slop from WJR-

				k, as I was visiting the greater Detroit area, dodging the IBOC slop from WJR- 270, WDFN-1130, et al.
				REPORTERS
JC-DE	Io	hn Cer	eg	hin, Smyrna - FRG7 DT-400W
AD-M	A Al	lan Du	ınn	<b>n, Holbrook -</b> Kaito KA-1103 barefoot, WinRadio WRG-305e with ham 2 meter
иш р		opole a		es, Wilkes-Barre - Grundig S-350, Kiwa Pocket Loop
HJH-P KK-VA				, Manassas - NRD-545, homemade 134 foot multiband antenna running NW
NN-VF		_		· ·
LW-NY				avesdropper antenna running E to W <b>d, East Meadow</b> – Sony 2010, Radio Shack loop
MKB-				ker, Dearborn – Sony SRF-39FP
MKB-				<b>cer, Toronto</b> – Grundig G5, Grundig YB-400PE, Sony SRF-39FP, Panasonic RF-
WIIND				rer emeritus)
1000				UNIDs
1320				- 11/20 1621 – non-IDs with FM // slogan "Mix 105", promo for a concert in Lebanon" ( <b>AD-MA</b> )
<b>1520</b>				- 11/22 1551 - someone here with Notre Dame football. (AD-MA)
1590				- 12/4 1537 – sports talk with Kurt Warner, slogan "1590 Fox Sports Network".
				WPSN in Honesdale, PA is a possibility. (AD-MA)
				PRESUMED/TENTATIVE
1320	WWW	Tt V	T	Randolph – 12/7 1800 – Relaying WXXK-100.5 Lebanon NH. FM ID on hour
				but no AM ID. Beginning the "Jeff Foxworthy Countdown Show" of country
				songs. (HJH-PA)
1530	WDJZ	Zt C	CT	<b>Bridgeport</b> - 11/22 1553 – presumed with preacher over WVBF ( <b>AD-MA</b> )
				LOGGINGS
600	WSJS	5 N	C	Winston-Salem - 12/7 1645 - Kim Komando Show, ID with //1200. (JC-
	-			DE)
610	WIOI	) I	FL	Miami – 11/8 0001 - in with weather report for area: "temp. 69 degrees in
				Pompano Beach, 70 degrees in Miami, on "News/Radio 610 WIOD & 93.9
				WIOD FM." Into "Coast to Coast with George Murray. Fair, under & over
				WIP & Cuban. (LW-NY)
620	WVM		T	<b>Burlington</b> - 12/4 2245 – slogan "News Talk 620 WVMT" ( <b>AD-MA</b> )
		++	-+	- 12/11 1800 – ID as "AM 620, WVMT, Burlington, Plattsburgh", AP News at
640	MCD	., T	'NT	1800. (JC-DE)
640	WCR	V I	11	Collierville – 11/30 1755 – over WHLO/CFMJ mix with promo for gospel program "Sundays at 7 PM on 640 WCRV". (MKB-MI)
690	WOK	V F	FL	<b>Jacksonville</b> – 11/19 1725 - in with mention of Golf Hall of Fame featuring Bob
				Hope memorabilia; "AM 690 & FM 106.5 WOKV News-talk Radio" station
				ID. Then into Sean Hannity show. Good, booming signal here! (LW-NY)
670	WIEZ	Z P	A	<b>Lewistown</b> – 12/2 0813 – over nulled WSCR with local weather, promo for
				oldies and NOS programming: "weekends are wonderfulon the home of
				the legends WIEZ". (MKB-MI)
680	CFTI	R O	N	Toronto – 12/2 0807 – battling WNZK-690 slop with commentary on the
				death of Canadian broadcasting magnate and Toronto Blue Jays owner Ted
_	_,			Rogers, "more on 680news.com". (MKB-MI)
730	WMN	A V	Ά	<b>Gretna</b> – 12/1 1845 – ID as "Real County, WMNA" ( <b>JC-DE</b> )

**ON** Sudbury – 11/25-0626 - in with C&W music, fair over & under WBBM. (LW-

TX Fort Worth – 12/2 0703 – over CHAM/WOSU mix with local traffic report

CO Denver – 12/2 0701 – creaming WKNR with Wall Street report from Fox

Business Network, "850 KOA news time straight up 5 o'clock". (MKB-MI)

"...on the 820 WBAP 24-hour traffic watch". (MKB-MI)

**790** 

820

850

CIGM

**WBAP** 

**KOA** 

NY)

8			
	WXJC	AL	<b>Birmingham</b> - 12/11 1735 - "850 The Truth" and "This is the Crawford Broadcasting Company", USA News at 1730, sounded like a local talk show. <b>(JC-DE)</b>
860	WWDB	PA	Philadelphia – 11/22 0645 - PSA for American Heart Association, into Health Report on "WWDB Money Talk Radio." (LW-NY)
930	WBEN	NY	<b>Buffalo -</b> 12/4 2255 - mentions of "Eastern Hills Mall, Williamsville, Buffalo WBEN". (AD-MA)
970	WGTK	KY	<b>Louisville</b> – 12/1 1720 – dominating frequency (just out of range of WWJ-950
			IBOC slop) with ad for Southeast Outlook newspaper, promo for Michael Medved show " only on 970 WGTK". (MKB-MI)
	WBLF		<b>Bellefonte</b> – 12/3 1640 – ID as "Newsradio 970, WBLF" ( <b>JC-DE</b> )
1070	WNCT		<b>Greenville</b> – 12/3 0802 – over CHOK/WFNI mix with slogan "new Christian radio, AM 1070 WNCT", PSA for shopping locally. <b>(MKB-MI)</b>
	WINA	VA	<b>Charlottesville</b> – 12/1 0704 – fighting off CHOK and WFNI with ad for Jefferson Coin Shop, "…news radio 1070 WINA time is 7:04" into local weather. <b>(MKB-MI)</b>
1080	KRLD	TX	<b>Dallas</b> – 12/1 0718 – over nulled WTIC with local news, "KRLD news time is 6:18" into local weather. ( <b>MKB-MI</b> )
	WWNL	PA	<b>Pittsburgh</b> – 12/3 1645 - call-in theology show, "People to People", USA Radio news at 1700 ( <b>JC-DE</b> )
1110	WGNZ	ОН	<b>Fairborn</b> – 12/1 0756 – over nulled WBT with station promo: "for the best Southern Gospel music, thanks for listening to Good News 1110 WGNZ".
			(MKB-MI)
1120	KMOX		St. Louis - 12/4 2259 – slogan ID as "Voice of St. Louis KMOX". (AD-MA)
1150	WCRK		<b>Morristown</b> – 12/1 0706 – "you can hear it here on WCRK" noted under big pest CKOC. (MKB-MI)
1180	WXLA	MI	<b>Dimondale</b> – 11/29 0758 – over nulled WHAM with song "Christmas in Killarney", ToH ID "10,000 watts of power, 1180 AM WXLA Dimondale-Lansing" into ABC news. ( <b>MKB-ON</b> )
1190	WSDE	NY	<b>Cobleskill</b> – 11/29 1635 – over usual WOWO/WLIB mix with ID as "AM 1190 WSDE, with America's best music for Schoharie County" into "It's beginning
1200	WAGE	VA	to look a lot like Christmas" song. (MKB-ON)  Leesburg – 11/8-1900 - "AM 1200 WAGE, the top choice for news." ID. Mention  of preserve (Well Street Learnel', weekday marrings on WAGE (UM NY)
	WOAI	TX	of program 'Wall Street Journal' weekday mornings on WAGE. (LW-NY) San Antonio – 11/8 1900 - In with "AM 1200 WOAI" ID. Over & under WAGE with political talk show about Presidential election. Good, nightly signal here! (LW-NY)
1230	WHUC	NY	Hudson - 12/10 2330 - "1230 WHUC" ID into Christmas songs. (JC-DE)
1270	WTSN		<b>Dover</b> – 11/14 1712 - Weather for area, and time announced. "More local
			news every day on "WTSN AM 1270," Into talk program. Fair, in 1270 mix.
			(LW-NY)
1290	WDZY	VA	Colonial Heights - 11/22 1617 – usual Radio Disney programs, with men-
1000	MDOD	EI	tions of Colonial Heights. (AD-MA)
1320	WBOB	FL	Jacksonville - 12/11 1656 - mixing with WKRK and WJAS, with ad for "Pro Flowers" into Wall Street Journal Report. 1700 ToH ID: "Merry Christmas and Happy Holidays to you and your family from us at thirteen twenty WBOB Jacksonville." into ABC News. (KK-VA)
	WKRK	NC	<b>Murphy</b> - 12/11/1649 – in mix with song just ended, then "Thirteen twenty AM WKRK" ID. <b>(KK-VA)</b>
	WJAS	PA	<b>Pittsburgh</b> - 12/11 1707 - mixing with WBOB and WKRK with Johnny Mathis song "Gina", slogan "One great song after another, thirteen twenty WJAS" noted at 1712. <b>(KK-VA)</b>
1330	WEBO	NY	Owego – 12/9 0759 – over usual WFNN pest with station promo and ID "News radio 1330 WEBO…keep it here for emergency closing information" into CBS news at ToH. (MKB-ON)
	WETZ	WV	New Martinsville - 12/10 1700 – in mix with ESPN and religious stations, ToH ID: "Your home for timeless classics thirteen thirty AM WETZ New Martinsville" into news with slogan "You're listening to Metro News on The Voice of West Virginia" noted at 1704. "That's the forecast from 'Timeless Classics' AM thirteen thirty WETZ" at 1723, into song. (KK-VA)

Classics' AM thirteen thirty WETZ" at 1723, into song. (KK-VA)

1340

WRAW

PA Reading - 12/7 1646 - mixing with ESPN station, slogan "WRAW. True old-

			9
			ies WRAW simulcast 1390" (KK-VA)
	WSTV	OH	Steubenville - 12/8 1640 – ESPN radio in mix with WRAW, YL talking sports,
4000	T47T3 T3 /	<b>O</b> T	football touchdown call. "WSTV Steubenville" ID at 1700. (KK-VA)
1350	WINY	CT	<b>Putnam</b> - 11/20 1518 – local news, mentions of Putnam Town Hall. (AD-
	WGPL	<b>37A</b>	MA)  Portsmouth 12/61648 Cospol type sincipe time sheek "Four forty seven
	WGIL	VA	<b>Portsmouth</b> - 12/6 1648 - Gospel type singing, time check "Four forty seven in Hampton Roads", ID at 1652: "Thirteen fifty WGPL 'Your Gospel Connec-
			tion' ", "You're listening to the 'Gospel Cafe'. 5pm in Hampton Roads" noted
			at ToH. (KK-VA)
1360	WSAI	OH	Cincinnati – 12/3 2200 – slogan "1360, Cincinnati's ESPN Radio" (JC-DE)
	WDRC	CT	Hartford - 11/20 1520 - Home Depot ad, slogan "The Talk of Connecticut".
			(AD-MA)
	WNJC	NJ	Washington Township - 12/5 1729 - mixing with WMNY, talking about
	WMNY	DΛ	football into ID " thirteen sixty WNJC AM 856 232-7077" (KK-VA) McKeesport - 12/5 1700 – ToH ID mixing with WNJC: "We mean business.
	AAIAIIAI	IA	Pittsburgh's money talk thirteen sixty WMNY McKeesport, Pittsburgh" into
			"WMNY News Update". (KK-VA)
1370	WSPD	ОН	<b>Toledo -</b> 12/4 1723 - mixing with WXXI and others, ID as "AM thirteen sev-
			enty WSPD". Discussion about elections. "The WSPD forecast I'm Kathy
			Wilson for news, talk thirteen seventy WSPD" noted at 1732. (KK-VA)
	WXXI	NY	Rochester - 12/4 1655 - "Great conversation 24 hours a day WXXI", NPR's
			All Things Considered program, 1700 ID "This is WXXI RochesterWe'll have the news here in just a minutes on 'All Things Considered' on WXXI" into
			talk on General Motors. (KK-VA)
	WELG	NY	<b>Ellenville -</b> 11/22 1555 – weather for Catskills over either WFEA or WALK,
			slogan "Fox 1370 WELG". (AD-MA)
1380	CKPC	ON	<b>Brantford -</b> 12/3 1654 - mixing with SS station and another station playing
			music, oldie song "Teen Angel", talk by male DJ: " 'Teen Angel' from 1960
	<b>TATICITY</b>	NO	CKPC it's 4 fifty three" (KK-VA)
1200	WKJV WNIO		Asheville - 12/12 1645 - "Open Bible Hour", call letter ID. (JC-DE)
1390	WINIO	OH	<b>Youngstown -</b> 12/2 1646 – slogan "It's America's best music on thirteen ninety WNIO" into "Crazy" by Patsy Cline, ID as "Thirteen ninety WNIO"
			at 1651 into "All Alone Am I" by Brenda Lee. Abruptly gone at 1659 (prob-
			ably switched to night time power). (KK-VA)
1400	WPCE	VA	Portsmouth - 11/29 1700 - mixing with WHHV and sports talk, preacher
			giving address "PO Box 7325, Chesapeake Virginia 23324", then ToH ID "
	<b>XA71 11 1X</b> 7	<b>T</b> 7A	fourteen hundred WPCE". (KK-VA)
	WHHV	VA	Hillsville - 11/29 1640 – in mix with WHHK and others, noted ID as " radio station WHHV" and "AM fourteen hundred WHHV" at 1710. (KK-VA)
1410	WHLN	KY	Harlan – 11/30 1810 – dominating frequency with promo for U of Kentucky
1110	*******		v. Western Kentucky basketball game, "now the WHLN forecast for our lis-
			tening area" into local weather. (MKB-MI)
		+++	– 11/30 1857 – Good at times. Heard with Christmas jingle, "Happy Holidays
			WHLN". Had oldies mixed with Christmas selections. Over a sports station
	KOV	DA	at times which I think was WPOP. (HJH-PA)
	KQV	PA	<b>Pittsburgh</b> – 11/28 1642 - Duke vs Duquesne basketball game in mix with ESPN station, ID as " more Duquesne basketball on fourteen ten KQV
			Pittsburgh". (KK-VA)
1420	WKCW	VA	<b>Warrenton</b> - 11/27 1640 – mixing with WHK, noted SS talk and songs, man
			in SS with mention of "Alexandria Virginia". Switched to night time power
			at 1701. <b>(KK-VA)</b>
	WHK	OH	Cleveland - 11/27 1719 – in mix with WKCW, talking about pilgrims and
			puritans, "go online for the WHK radio WHK radio dot com" Station
			promo "Now, more than ever Cleveland's choice for intelligent talk. News, talk fourteen twenty WHK" noted at 1732. <b>(KK-VA)</b>
		+++	- 11/8 0100 - in with "WHK Cleveland" ID. News on the hour. Then into
		- ·	political talk about Presidential election. (LW-NY)
1430	WXNT	IN	<b>Indianapolis</b> – 12/1 0710 – over mix of several stations with "34 degrees in
			Indianapolis on news talk 1430 AM" into local news. (MKB-MI)
	WBEV	WI	<b>Beaver Dam -</b> 11/26 1700 - mixing with another station in French and Chi-
			nese (probably CHKT). ToH ID: " ESPN Radio WBEV 'Your Hometown

10			
			Station'". (KK-VA)
<b>1500</b>	WFIF	CT	Milford - 11/20 1602 – end of SRN news, promo for Dr. James Dobson, Life-
			time Changing Radio. (AD-MA)
	KSTP	MN	St. Paul – 12/8 0758 – creaming usual WFED/WLQV co-pests with AM drive
			show promo, "you're getting up to date this morning with Willie and Jay on
			AM 1500 KSTP" into "KSTP Real Time Traffic" report. (MKB-ON)
<b>1570</b>	WNSH	MA	Beverly - 12/12 0705 - "1570 WNSH" ID, TOH news, community events for
			Massachusetts. (JC-DE)
1580	WHFS	MD	Morningside – 11/29 1659 – ex-WPGC, noted over partially-nulled CKDO
			with Ad Council PSA for foster care, "1580 WHFS" ToH ID into CNN news.
			(MKB-ON)
	CKDO (	ON Os	hawa - 12/4 1632 - Oshawa local news, CKDO mentions. (AD-MA)
<b>1590</b>	WHLX	MI	Marine City – 12/2 2125 – With weather forecast at this time. "1450-WHLS"
			ID. Weak with many others in. (HJH-PA)
	WHPY	NC	Clayton – 12/2 1700 – In with Bible passage reading then announcement;
			"You're listening to Fellowship Christian Radio WHPY 1590." Fair with many
			others in. (HJH-PA)
1600	WAAM	MI	Ann Arbor – 12/2 2200 – Announcement; "WAAM (pronounced Wham) Talk
			Radio 1600". Into spot for the Video Games Rating System then Fox Sports
			Radio programming. Fair with a very weak WWRL and others. (HJH-PA)

Target DX Shawn Axelrod amandx@mts.net 30 Becontree Bay Winnipeg MB R2N 2X9 Canada

DX'ing 'smart', with shared tips and information from NRC members

Welcome to Target DX Column number 8.

Greetings once again from the Heart of the Continent. In this column we will look at hearing our targets by picking the correct direction to listen.

I am sure we are all familiar with the saying "Go West young man, go West". The question is however over long distance which way really is west and where does it lead to. Columbus sailed west to India and got a surprise. Radio listening happened a long time after Columbus sailed the ocean blue in 1492 but the surprise of what you end up with by going west is still the same.

You may think well I know what direction my target is located I have a map or atlas and I can see plainly which way the station is from me. However in the real world the stations you are looking for may not be the exact direction you first think they are. The map in your atlas or on your wall is a different type than the one I will be discussing here. Those wall and atlas maps are called Mercator projection maps. Mercator projection maps distort the view of the earth and will cause you to point your antenna the wrong direction if you are targeting stations a goodly distance from your location.

In order to find out the true direction you need a map that is based on how the world would look if you were looking down on your location from high above. Think of it as a satellite view of the planet centered on your location. This type of map is called an Azimuthal Map or a Great Circle Map. If you want to see a map centered on your location you can go to one of the following sites:

http://www.aa6z.com/ or http://www.dxzone.com/cgi-bin/dir/jump2.cgi?ID=9471

These are links to the AA6Z AZMap Homepage. You will find a down load for your computer at this site that will give you a program you can utilize. The program produces an Azimuthal Map or a Great Circle Map that will help you set up a map to be centered on your site. Now you will have a true picture of which direction is the correct one when you point your antenna at your target stations. You may be surprised at the results of these maps. The first time I saw the world as centered on Winnipeg I was totally taken aback by what I saw and how much I was off on pointing an antenna. The directions you will see may seem strange because we have for the most part grown up seeing the world in Mercator projection terms. After using your an Azimuthal Map or a Great Circle Map you will find it a good tool for your DX Tool Box.

There are some kinds of antennas where this directional pointing is vital. For this column I will discuss the two most used for BCB DX'ing. These two antenna types are Beverage and Loop antennas

**Beverage Antennas** If you are going to put out a Beverage Antenna or a **B**everage **O**n the **G**round (**BOG**) you may wish to consider the direction you are going to put it out. This type of antenna is a form of the typical long wire many of you are familiar with but is a very long wire. They can run from 200 to 2000 feet or more. The longer they become two things happen:

- 1- The more signals they pick up (or at least pick up strong enough to be heard on your receiver) especially at the lower end of the band.
- 2- The more directional they become. They can be quite directional at lengths over 500 feet I have found.

The BOG antenna is easy to lay out. All you need is wire of almost any kind from 22 gauge to 14 gauge, solid or stranded, coated or uncoated. Just walk it out trailing it on the ground behind you. Nothing fancy or complicated just let it unwind as you walk. Attach one end to anything around or put a large rock on it. This will keep the BOG from moving around in the wind. The other end of the wire is attached to your receiver. All you have to do now is listen to what rolls in. I would strongly suggest an anti-static device between the wire and the radio to save it from static damage. There is an article on such devices at:

http://www.angelfire.com/mb/amandx/static.html

The beverage antenna or BOG has a directional pattern that could prove to be a problem. Look at your targets sheet and see if some of the stations are same general direction. The beverage will hear the direction best off the tip you pointed it. However if you do not ground out the tip the BOG will hear off the back end also. You now have an antenna that is hearing well in two directions. When you put out your antenna you can point it at the target stations you have chosen. Be careful with this idea of direction, think Great Circle Map not your atlas. The Great Circle Map you have set up will give you the correct direction even if your brain is going but that looks wrong. As an example if I want to hear Africa from here in Winnipeg I point the beverage North and East. This is very different from what you would think if you looked at a wall map in the Mercator Projection style.

Loop Antennas The same story will be true for any external loop antenna you are using. Whether it is a Ferrite Core or Box Loop the loop's direction will follow what you see on the Great Circle Map. By looking at the map you can help point your loop more accurately. Of course there is the old tried and true method of moving the loop slowly while watching your S meter. When the S meter peaks that is where you leave the loop pointed. This will be the same as the Great Circle Map reading. It may also explain why at times you have the loop pointed a "weird" direction to get the station to peak on the S meter. By the way, the ferrite loop in your handheld or portable radio should follow these rules as well as any external loop antenna. As with any loop that you adjust by hand you may have to do a bit of fine tuning as your body may skew the signal a bit as u handle the antenna.

As always I am looking for your feedback and suggestions for the column so send them in.

A Merry Christmas or Chanukah or what ever you celebrate and a Happy DX filled 2009 to all my readers.

My personal Targets Sheet is always available at: <a href="http://www.angelfire.com/mb/amandx/Targetsheet.xls">http://www.angelfire.com/mb/amandx/Targetsheet.xls</a>

It is updated as I get catch current targets or add new targets.

73 for this time Shawn Remember On A Clear Day You Can Hear Forever

#### Musings of the Members

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

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

#### Jim Kauer - 605 Willow Glen Rd - Kennett Square PA 19345

I have enjoyed *DX News* again and BCB DX – After having been away from the hobby 60 years or so. I last read *DX News* in 1947 when I was in the Navy, then off to college and no more time for late night DX. Currently I am trying to rig an antenna or two to minimize my bad QRN in my area. A flag antenna and a longwire are in progress while I am using an MFJ Active antenna away from the house wiring, not much good for TA reception however! Best Wishes. (Welcome back, Jim - glad you found us again! -pls.)

Sunrise-Sunset Maps

Monthly maps (12) showing the average monthly sunrise/sunset times for the U. S.; customize them for your location. \$3.25 for NRC members (\$4.50, non-members). Order from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)



### Formats

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#### Changes in programming status; reported by listeners

<u>Freq</u>	Call	Location	<u>New Format</u>	<u>FreqC</u>		Location	New Format
550	WAME	Statesville, NC	C&W	1300	KKOL	Seattle, WA	BIZ
590	<b>KZHS</b>	Hot Springs, AR	TLK/SPT	1310		Chattanooga, TN	
640	WMFN	Zeeland, MI	SS	1310	WQAH	Priceville, AL	OLD
650	CISL	Richmond, BC	NOS	1330		Lafayette, LA	C&W
660	WPYT	Wilkinsburg, PA	SPT	1330		Morehead, KY	NWS/TLK
740	WNYH	Huntington, NY	ETH	1340		Evergreen, MT	JAZ
750	WPDX	Clarksburg, WV	C&W	1350		Black Mountain, l	
750	WNDZ	Portage, IN	ETH	1350	KWMO	Washington, MO	TLK
780	WXME	Monticello, ME	NWS/TLK	1360	KACT	Andrews, TX	TLK
810	WYRE	Annapolis, MD	CHR	1360	KMRN	Cameron, MO	C&W
830	KOTC	Kennett, MO	Rock/OLD	1360	KBKB	Fort Madison, IA	C&W
850	WAIT	Crystal Lake, IL	NWS	1360	WKAT	North Miami, FL	SS:REL
880	WRRZ	Clinton, NC	REL	1390	KHOB	Hobbs, NM	SPT
910	WRKL	New City, NY	TLK	1390	WKLP	Keyser, WV	SPT
930		Waynesboro, TN	OLD	1390	WTNL	Reidsville, GA	GOS
940	WIDG	Saint Ignace, MI	REL	1400	WGTN	Georgetown, SC	NWS/TLK
960	WABG	Greenwood, MS	Blues	1400	WYKC	Grenada, MS	TLK
960	WQLA	La Follette, TN	Rock/OLD	1400	WSTK	Jacksonville, NC	OLD
960	KIMP	Mount Pleasant, TX	SS:MEX	1410	WMSX	Brockton, MA	Silent 12/2008
980	WHAW	Weston, WV		1410	WSHY	Lafayette, IN	TLK/SPT
		OLD/Folk/Bluegra	SS	1410	KWYO	Sheridan, WY	C&W
1010	WMIN		NOS	1450	KBBS	Buffalo, WY	C&W
1020	WURN	-	S:NWS/TLK	1450	WLKS	West Liberty, KY	NWS/TLK
1080	WOKT	Cannonsburg, KY	C&W	1460	WIFI	Florence, NJ	Brokered/OLD
1110		Hurricane, WV	C&W	1490	KFCR	Custer, SD	OLD
1120	<b>KEOR</b>	Catoosa, OK	OLD	1490	KQDS	Duluth, MN	SPT
1130	KPHI	Honolulu, HI	Filipino	1550	WMRE	Charles Town, W	V SPT
1130		Murray, KY	SPT	1550	WCVL	Crawfordsville, II	N OLD
1150	WGGH	Marion, IL	NWS/TLK	1560	WINT	Melbourne, FL	SPT
1180		King of Prussia, PA	SPT	1580	WDQN	Du Quoin, IL	C&W
1190	WAFS	Atlanta, GA	SS:REL	1580	WHFS	Morningside, MD	TLK
1190	WVUS	Grafton, WV	NOS	1580	WLIM	Patchogue, NY	SS:REL
1190	KNUV	Tolleson, AZ	TLK	1580	KHGG	Van Buren, AR	SPT
1230	WOLH	Florence, SC	AC/EZL	1600	WAIA	Beaver Dam, KY	SS
1230	KEXO	Grand Junction, CO		1680	KRJO	Monroe, LA	UC:OLD
1230	KHAS	Hastings, NE	NOS				
1230	KERV	Kerrville, TX	NOS			Contributors	
1260		Lake City, SC	AC/EZL	100	0000watts	.com AM Switch A	xelrod Braun DX
1280		Dayton, TN	C&W	Midar	nerica Dን	( News Hardester I	Heinen Kennedy
1280	WIBB	Macon, GA	UC:TLK			Northpine nrcdx	•
1290	KAZA	Gilroy, CA	SS:REL	_	_	dio Journal	-

#### The County Cross Reference

What a time-saver! 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. \$8.95 for members, \$11.95, non-member; overseas surface mail, add \$4.00 for first copy; \$.64 for each add'l copy/ For airmail, add \$8.00 for each 3 or fraction of 3. Order "CCR" from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)



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#### Network listings for college sports stations

Yes, there is some college wrestling on the radio! I ran across the Penn State wrestling network in my travels:

#### PENN STATE NITTNEY LIONS WRESTLING RADIO NETWORK

920 WKVA-PA

970 WBLF-PA

This month, network lists for the Atlantic Sun and Horizon Conferences.

#### ATLANTIC SUN MEN'S BASKETBALL RADIO NETWORKS (flagships in bold)

BELMONT (TN) BRUINS

Kevin Ingram, Scott Speedy, Greg Sage

104.5 WGFX-TN

CAMPBELL (NC) FIGHTING CAMELS Robert Harper

107.3 WCLN-NC

EAST TENNESSEE STATE BUCCANEERS

1240 WBEJ-TN 1

1370 WRGS-TN

**104.9 WKOS-TN** 

JACKSONVILLE (FL) DOLPHINS Barry Milligan

1010 WJXL-FL

NORTH FLORIDA OSPREYS

1320 WBOB-FL

#### HORIZON LEAGUE MEN'S BASKETBALL RADIO NETWORKS

BUTLER (IN) BULLDOGS CLEVELAND STATE VIKINGS Al Pawlowski

1430 WXNT-IN **1220 WHKW-OH** 1440 WHKZ-OH

**DETROIT TITANS** 

Mark Adams, Frank Giardinia

1310 WDTW-MI

ILLINOIS-CHICAGO FLAMES Adam Levinson, Kenny Williams

570 WIND-IL

LOYOLA (IL) RAMBLERS

88.7 WLUW-IL

VALPARAISO (IN) CRUSADERS Todd Ickow, David Schroeder

1500 WAKE-IN

89.1 WWLO-IN

95.1 WVUR-IN 95.9 WEFM-IN **WISCONSIN-GREEN BAY PHOENIX** 

Chris Roth, Bill Rabeor

1400 WDUZ-WI 107.5 WDUZ-WI

WISCONSIN-MILWAUKEE PANTHERS

1130 WISN-WI

WRIGHT STATE (OH) RAIDERS

980 WONE-OH 1340 WIZE-OH

YOUNGSTOWN STATE (OH) PENGUINS

570 WKBU-OH

#### National Radio Club 2009 Reprints Catalog

THIS LIST SUPERSEDES ALL PREVIOUS LISTS AND ORDER FORMS WHICH SHOULD NOT BE USED. The number of pages in each article is indicated by ( ).

#### **ANTENNAS**

Many articles formerly in this section are in the Loop and Beverage Manuals.

- **A2 A ZÉRO SHARPENING DEVICE FOR A BCB LOOP.** T. Holmes. If you're having trouble obtaining sharp nulls with a standard loop, this simple device may help. (1)
- **A3 A VERSATILE LONGWIRE ANTENNA COUPLER.** Ř. Foxworth. How to get the maximum mount of signal from your longwire. (3)
- **A9 DOWN TO EARTH GROUNDS.** G.P. Nelson. How to make low resistance ground connections for terminating a Beverage (2)
- A10 A CALIFORNIA BEVERAGE. Fr. Jack Pejza. Results obtained at this Beverage site. (2)
- **A12 THE VERTICAL PICKUP PATTERN OF THE MW LOOP ANTENNA**. G.P. Nelson. Information for those doing horizon blockage experiments with a loop antenna. (4)
- A13 USING TWO ANTENNAS TO GENERATE ASYMMETRICAL RECEIVING PATTERN. M.Levintow. Shows a simple way to skew your loop's pattern to effect a null that will permit reception of a station impossible to receive on a figure-8 loop antenna by itself. Reprints A5 and A6 are a requirement for understanding this technique. (3)
- **A14A NEW MEDICAL BREAKTHROUGH FOR LONGWAVE TA'S.** C. Clayton. Instructions on how to build an inexpensive loop antenna for LW. (1)
- **A15 REVIEW OF THE DYMEK DA-3 ANTENNA.** Pete Taylor, with notes by R. J. Edmunds. Evaluation of this MW antenna. (4)
- A16 MORE ON BEVERAGE ANTENNAS. Wes Boyd. Beverage antenna theory and application. (2)
- **A17 MORE FERRITE LOOP ANTENNA INFO.** Dallas Lankford. Inconsistencies in ferrite-core loop antenna theory. (3)
- **A19 NEBE: THE NEBRASKA BEVERAGE.** D. Fischer, C. Dabelstein, R. Mitchell. Results at the Nebraska Beverage site. (7)
- **A20 THE LSCA-1.** Ron Schatz. Construction plans for the Loop Sense Cardioid Array. Should yield a unidirectional receiving pattern when operated properly. (10)
- A25 A NOVEL APPROACH TO BUILDING YOUR OWN BCB LOOP. M. Maloney. Ideas for improvements in operation and sturdiness of loop antennas. (4)
- **A27 SEVEN PASSIVE TUNERS.** Mark Connelly. This article will introduce you to many different tuner designs and how they are used (10)
- **A29 REMOTELY-CONTROLLED ANTENNA TUNER RT-1.** Mark Connelly. An introduction to the design of remote tuning for loop or wire antennas from distances of 50 feet or more. Use w / A43 (7)
- **A30 REMOTELY TUNED DIRECTIONAL LOOP ANTENNA.** E.L. Cummins. Loops ideas for building where interior mounted loops will not work. (11)
- **A31 SIMPLE CHEAP AND EFFECTIVE PRESELECTOR LONGWIRE TUNER-AMPLIFIER.** B. Sherwood. Schematic and brief instructions are given. (3)
- **A33 ANTENNAS FOR AM BROADCASTING.** Steve Kennedy. A brief history of early and current station antenna systems. (4)
- **A34 SOME ANTENNA EXPERIMENTS PART 1.** W.R. McIntosh. Ever heard of a Helical longwire? This article deals with compact antennas for use where space is limited. (3)
- A35 THE PHASE ONE A Delay Line Phasing Unit. Gerry Thomas. Description of an improved phasing unit design that can be built or is available in kit form. (3)
- **A36 LOOP-LONGWIRE COMBINED ANTENNA.** P. Swain. "Sensing" antennas for DXing and direction finding. (3)
- A38 EXTREMELY LINEAR ELECTRICALLY TUNABLE ACTIVE RECEIVING ANTENNA. Hopf and Lindenmeier. Technical discussion of an antenna system that is the optimum solution towards allowing undisturbed reception near transmitters. (5)
- **A39 SIMPLE PASSIVE LONGWIRE TUNER.** Mark Connelly. A basic tuner that can eliminate mixing spurs caused by strong locals. (2)
- **A40 AMPLIFIED PHASED SHORTWIRES.** Mark Connelly. Construction article. Utilizing an SM-2, phasing unit and short wire antenna. (8)
- **A41 THE KOWALSKI LOOP.** Neal Perdue with comments from Paul Kowalski. A first-hand account of this ferrite core loop antenna. A non-technical review, with comparisons to the SM-2. (2)
- **A42 THE MWT-1 FAMILY OF ANTENNA TUNERS.** Mark Connelly. Construction plans for the MWT-1, Mini MWT-1A, 1B and 1C antenna tuners (28)
- A43 RT-1 REMOTELY-TUNED ANTENNA TUNER. Mark Connelly. Description and construction plans. (10)
- **A44 THE MINI MWDX-3**, A simple, Effective Phasing Unit. Mark Connelly. Construction plans for a one-box phasing unit. Order also A55. (21)
- A45 THE MWDX-4 FAMILY OF PHASING UNITS. Mark Connelly. Construction and use of two similar series of phasing units. (25)
- A46 WIND A COMPLETE-COVERAGE COIL FOR THE RADIO WEST LOOP. Fritz Mellberg. Eliminate the

need to change coils during tuning of the entire MW band on this antenna. (1)

A47 TEST OF THE MITCHELL LEE LOOP AMPLIFIER. Mark Connelly. A new low imped- ance input, 3-transistor amplifier used with series tuned loops is detailed, along with improvement ideas. (6)

A48 YAD ANTENNA GIZMO Jerry Starr. A simple-to-build antenna switching device. Will ground the antenna not in use while using the other; designed for 2 antennas and 1 receiver. (1)

A52 COMPUTER-AIDED ANTENNA TUNER DESIGN. Mark Connelly. This BASIC computer program determines which component values are used in your antenna tuner. Tuner schematics included. (7)

A53 IMPORTANT LOOP, TUNER AND PHASER DESIGN CONSIDERATIONS ("Q" DEMYSTIFIED) Mark Connelly. Technical article. The importance of "Q" and a BASIC program to find antenna tuner component values in light of the "Q" (7)

**A54 THE MITCHELL LEE AMPLIFIER: TWO TUNER IMPLEMENTATIONS.** Mark Connelly. Technical article. Tuner circuits using this amplifier. Reference also A47. (5)

A55 HOTRODDING THE MINI-MWDX-3 PHASING UNIT. Mark Connelly. Technical article. More on the Mini-MWDX-3. Requires reprint A44. (3)

A57 MICRO-MWDX-4A LOOP VS WIRE PHASER. Mark Connelly. Connelly. Technical Construction Article. (11)

**A59 LIL-1.** Dallas Lankford. Construction plans for a new circuit for combining a loop and inverted L antenna to generate a cardioid pattern. (3)

A60 MEDIUM WAVE, A PRACTICAL APPROACH. Graham Maynard. This is a consolidation of articles that were first published by the Medium Wave Circle of England. It outlines the authors construction of his MW DX receiving set-up. (12)

**A61 MWDX-5 PHASING UNIT.** Mark Connelly. The latest the series of Phasing Units. Construction article. (11)

A62 MINI-MWDX-5. A SIMPLE PHASING UNIT. Mark Connelly. Construction article. Similar to the MWDX-5 but simpler. A61 recommended (3)

**A63 RIBBON CABLE LOOPS.** Mark Connelly. A new loop concept. (5)

**A64 QUANTUM LOOP** Gerry Thomas & Mark Connelly. A new ferrite core loop. Reviewed and modified. (9)

**A66 SUPER BOOSTER BAR.** Gerry Thomas. For portable receivers. (2)

**A67 BUF-A AMPLIFIER.** Mark Connelly. A building block for many Connelly construction projects. (9)

A68 HIGH PERFORMANCE LOOP AMPLIFIER. Dallas Lankford (6)

A69 NOISE & INTERFERENCE REDUCING ANTENNAS. Wraight, Lankford & Connelly. (10)

A70 REMOTELY TUNED LOOP RTL-1 & RTL-1A. Mark Connelly. Also Contains the latest BBA-C1 Amplifier Card. (20)

A73 THE MWT-2 REGENERATIVE TUNER. Mark Connelly (21)

A75 BEVMATCHER. A broadband Antenna Matching and combing Unit. Mark Connelly. (8)

**A77 The RTU-1.** Mark Connelly. A remote tuning unit for active antennas. (11)

**A78 Coupler & Upgrades for the Quantum Loop.** G. Thomas (2)

A79 SUPER MWDX-5 PHASING UNIT. M. Connelly. Upgrade of Reprint A61 (16)

A80 ANOTHER LOOK AT NOISE REDUCING ANTENNAS by Mark Connelly (3)

A81 ONE CHIP ACTIVE ANTENNAS by Mark Connelly (3)

**A83 THE RTL-2 REMOTELY TUNED LOOP** by Mark Connelly (24)

A84 THE DCP-1 DUAL CONTROLLED PHASER FOR REMOTELY TUNED ACTIVE ANTENNAS by Mark Connelly (12)

A85 DL-1 DELAY-LINE PHASE UNIT by Mark Connelly (9)

A86 THE MWT-3 REGENERATIVE TUNER CONTROLLER by Mark Connelly A passive and Active broadband amplification control of remotely tuned loops and whips. (21)

A87 ULTRALINEAR 2N5109 AND 2N3053 AMPLIFIERS. D. Lankford. Technical article with instructions/schematics. (15)

A88 ULTRALINEAR AMPLIFIED ONE METER WHIP ANTENNAS. Dallas Lankford. 1994 - complete instructions & diagrams for 2 one meter antennas. (19)

**A89 THE FULL-SIZE, FULL-PERFORMANCE LOOP.** R. Moore. A history & explanation of Loops & the author's current design. (10)

**A90 ANTENNA EXPERIMENTS** - summer 1994. Mark Connelly. Tests to help you choose for your needs. (5) **A91 KIWA/QUANTUM LOOP COMPARISON** by Elliot Straus.(1)

A92 PHASED NOISE REDUCING ANTENNAS by Russell Scotka (7)

A93 THE QUANTUM (OR Q-STICK). A PASSIVE ANTENNA BOOSTER PLUS ADVANCED Q-STICK DX-ING TECHNIQUES by Jerry Thomas(8)

A94 THE MWDX-6 PHASING UNIT by Mark Connelly(24)

**A95 DL-2 DELAY LINE PHASING UNIT** by Mark Connelly(10)

A96 TWO REMOTE ACTIVE ANTENNAS - RL-1 REMOTELY TUNED LOOP AND RW1 REMOTELY TUNED WHIP by Mark Connelly(15)

A97 INVESTIGATION OF REGENERATIVE TUNER DESIGN THE MWT-3S by Bruce Conti -edited by Mark Connelly(6)

A98 TEST REPORT - THE JPS ANC-4 ANTENNA NOISE CANCELLER by Mark Connelly(3)

**A99 LOOP SHOWDOWN KIWA VS RSM-105** by Mark Connelly(4)

A102 DXP-1 DXPEDITION PHASING UNIT Mark Connelly Construction Details and use. (9)

A103 EXPERIMENTS WITH REMOTE ANTENNA TERMINATION Mark Connelly Construction Details and use. (2)

A104 DCP-2 DUAL CONTROLLER PHASER Mark Connelly Construction Details and use. (11)

A105 THE KIWA POCKET LOOP ANTENNA by Guy Adkins Review of this portable antenna (1)

A106 The Wellbrook K9AY Antenna: A User's Řeview by John Bryant. A review of this general use antenna. (5)

A108 Coupling an external loop antenna to the DX-390 receiver by Hans K. Schellenberg (1)

**A109 Is your coaxial lead-in actually an antenna?** by John H. Bryant with Bill Bowers. (5)

**A110 A Beverage on the Beach**: by Rick Cenneally (3)

**A111 Testing Two (KAZ) Squashed Delta Antennas:** by John Bryant A comparision of the (KAZ), the (Super KAZ), and the (K9AY) Antennas.(5)

**A112 Pennant and KAZ Antennas Tests** by Mark Connelly More comparative testing. (4)

A113 Pennant Antenna Review and Impressions by Ken Alexander An independent test from Ontario. (3)

**A115 DXP-2 DXpedition Phasing Unit** by Mark Connelly (7)

A116 DX'ing over your shoulder by John H. Bryant. Placement and use of Beverage Antennas as bi-directional Dxing aids (4)

A117 Pre-Amp Peregrinations John H. Bryant and Mark Connelly, Adventures with RF Pre-Amps by Advanced Receiver Research and DX Engineering. Review and modifications. (4)

A118 Rolling Your Own by John H Bryant and Bill Bowers. Building antenna splitters that perform better than most commercial units. (7)

#### DOMESTIC DX

**D2 IT TAKES TWO TO VERIFY, PLUS HELPFUL HINTS.** J. Murley and R. Schiller respectively. Article on the station's attitude toward reception reports and veteran DX'er Schiller's tips on increasing your returns. (4)

**D3 THE DX TEST FROM A STATION'S VIEWPOINT.** Bill Croghan. Hints from a broadcaster arranging DX tests and obtaining more verifications. (1)

D4 WHAT IS A PRE-SUNRISE AUTHORIZATION? R. J. Edmunds. An Explanation of psra's. (3)

**D5 LONG DISTANCE RECEPTION OF DX TESTS.** F. Dailey. Proven techniques. (1)

**D6 MAKING THE BEST OUT OF PREPARED-CARD VERIÉS.** Kelly Andrews. The verie collector's last resort, with numerous samples. (3)

**D9 THE NSP SITUATION.** J. Starr. A look at this problem from the broadcaster's side of the fence. (2)

**D10 DX FROM THE TWILIGHT ZONE.** P. Sullivan. Sunrise and Sunset Skip explained (4)

**D11 GRAVEYARD DX,** R. Foxworth, with additions by M. Levintow. DX'ing the local channels with results. (15)

**D12 CANADIAN FAMILY LIFE...IT'S TWINS.** J. Oldfield. Explains station "families" in Canada. List of Station groupings as of 1980 (3)

D13 THE POST-SUNSET AUTHORITY, A DAYTIMER'S DILEMMA Jerry Starr. A discussion on "PSSA's". (4)

**D16 SUNRISE SKIP.** R. Kramer. Practical how to info. includes pre-sunrise authorities (psra), station allocations on clear channels and auroral effects. (7)

**D17 THE WORLDS HIGHEST-POWERED STATIONS.** Mike Burden. From Radio Luxembourg's 1933 150KW transmitter to the mega-watters of today, includes WLW, Doc Brinkley, and more. (3)

**D18 QSL'ING THE LOCALS.** Skip Arey. Extracting veries from your local stations. (1)

**D19 HOW TO "UP" YOUR TOTALS!** John J. Rieger. An antidote to "DX burnout" and proof that there is DX after the first 1000 catches! (3)

**D20 WHO'S ON FIRST?** Bruce Conti. Who was the first broadcasting station in history...? (4)

**D21 WHAT MAKES FOR A DX TEST?** Wayne Heinen. A look at what happens at a radio station during a DX test (1)

**D22 FORMAT FUTURES.** Chris Cuomo. What radio formats may look like in the 1990s. (2)

**D23 SATELLITE PROGRAMMING.** Ed Ryan. A look at how it works. (2)

**D25 A SEVENTEEN-POINT PLAN FOR AN IMPROVEMENT.** Doug Smith. A fix to the AM broadcasting service as we know it? (3)

**D26 ONCE UPON A TIME.** Ben Dangerfield. What hap-pened years ago in DX, the NRC, and the world! 1963 was an amazing year. (3)

**D27 THE STEVENSON LOG.** Gene Martin. The Broadcast Band in February 1926. (1)

**D28 SUNSET DXING FROM THE WEST COAST.** Guy Kudlemyer. Becoming a pro at catching stations at sunset.(6)

D29 DXing Tips Using Satellite Services. D. Schmidt (2)

**D30 TRAVELERS INFORMATION STATIONS.** Rules and Regulations governing these numerous low-power broadcasters. (2)

D32 U. S. A. DIGITAL RADIO (IN-BAND, ON-CHANNEL). Official descriptions. (6)

D33 BAD WEATHER! USE IT TO YOUR ADVANTAGE. by Dave Schmidt. (2)

D34 PIRACY ON THE MEDIUM OR HIGH FREQUEN-SEAS (AND NOT WALK THE PLANK) by John D. Bowker. (5)

D35 DXing the Graveyard Channels, by Les Rayburn N1LF. This is an excellent article for both novices and experienced DX'ers for DXing the crowded Local Channels "Graveyard Channels" 1230, 1240, 1340, 1400, 1450 and 1490. Les delves into the many techniques that various DX'ers use in trying to improve their DX on these crowded channels in this day and age. (13)

D36 QSL'ing from the Other Side by Les Rayburn N1LF. Les details the problems and pitfalls that are experienced by the personnel who answer the variety of reports submitted to stations. Written about the WDAB DX Test,

the information is pertains to everyone who wished to collect radio station verifications. (4) FOREIGN DX

**F1 DXING CENTRAL, SOUTH AMERICA AND THE CARIBBEAN.** Mark Connelly. Listings, by frequency, of the best bets from these areas, along with the original Connelly, DeLorenzo, Kazaross article DXing Latin America and the Caribbean. (9)

F2 TA TIPS FOR BEGINNER. Dave Yocis. Your first Trans-Atlantic receptions! (2)

F3 PORTUGUESE FOR DX'ERS. R.Schatz. Describes the important features of this language. (2)

**F4 TA DX'ERS GUIDE TO SUNRISE-SUNSET TIMES.** Mark Connelly. Reference to SRS-SSS times with extensive tables for many locations. (4)

**F5 HUNTING LATINS BY MUSIC.** R.Schatz. Describes types of LA music from various countries and how to ID stations using this information.(5)

**F6 ZONAL-ANALYSIS APPROACH TO TA DX.** Mark Connelly. A systematic method of grouping TA countries to help the DX'er recognize different types of openings and improve TA reception. (4)

**F7 ZONAL-ANALYSIS APPROACH TO PAN-AMERICAN DX**. Mark Connelly. Similar to F6, with the emphasis on the Eastern U.S. loggings of LA and South American stations. (5)

F8 STATION IDENTIFICATION. Tips on how to ID stations in nearly 50 languages! (2)

F9 SOME EASY TA'S. Dallas Lankford. (2)

**F10 ID'ING JAPANESE BROADCAST STATIONS.** Charles Taylor. Hints to help, without actually knowing the language! (2)

**F12 COMMON SENSE TA DX STRATEGY.** Mark Connelly. Practical hints are given for hearing Trans-Atlantic stations. (2)

**F13 THE ODDS ON EVEN TA'S.** Mark Connelly. The possibility of hearing TA's on channels shared with domestic stations. (10)

F14 YOUR FIRST 30 COUNTRIES IN ENGLISH. Mark Connelly. Listed by country. (3)

F15 CARIBBEAN MW DX GUIDE. Mark Connelly. Listed by country. (4)

#### **HOBBY REFERENCE LISTS**

Some reprints formerly in this section are found in *Station Location Mapbook* (SLM)

HRL1 National Radio Club Common Abbreviations List (6)

HRL2 Cuban Medium-Wave Broadcast Stations (List revised 11/2005) (3)

HRL3 U.S. Postal Service 3 digit ZIP codes (2)

HRL4 North American Time Zones to UTC Conversion Chart. (1)

HRL5 Frequency and Power Relationship Chart. Shows average coverage radius for various powers at BCB frequencies. (1)

HRL8 NRC Countries List edited by Al Merriman (2)

#### MISCELLANEOUS ARTICLES

M1 LOCAL SIDEBAND SPLASH: HOW MUCH IS TOO MUCH? G.P. Nelson. This article describes FCC regulations on sideband radiation on the Medium Wave band and types of station-originated spurious radiation. (1)

**M2 MODULATION ARCING** J. Starr. Describes a frequent but rarely discussed cause of medium wave interference originating at the station. (1)

M3 SUNRISE-SUNSET TABLES. G.P. Nelson. These charts allow determination of accurate time of sunset and sunrise at any point in the world on any date. (9)

M4 RF INTERFERENCE AND THE HOME COMPUTER. Bill Krause, ANARC. Home computers will cause interference on your DX rig unless precaution are taken; solutions are discussed. (2)

M5 UNRESTRICTED RADIATION. G.P. Nelson. Discussion of carrier current stations and how to hear them. (3)

**M6 RF POLLUTION.** G. Hauser. General discussion of the radio interference problem and steps necessary to control it. (2)

M7 PATTERNS, PARTS I, IIA, IIB. P. Hart. These articles explain in detail what patterns mean and understanding their relationship to DX'ing! (34)

M9 MORE ON HOW DIRECTIONAL ANTENNA PATTERNS ARE PRODUCED. Wes Boyd. Supplementary information to the articles contained in the 1980 edition of the *NRC Night Pattern Book*. (1)

M10 SUPERMODULATION AND EFFECTS ON DX'ING. Steve Kennedy. Discussion on the problem and its affect on DX'ing. (3)

M11 TERRAIN CHARTS FOR PROPAGATION PREDICATIONS. M. Connelly. This article details how to prepare a chart of a DX'ers surrounding terrain which can help enhance or diminish reception. (3)

M12 NOISE LEVELS AND USABLE RECEIVER SENSITIVITY. C. Hutton. Technical Discussion of the effect of noise on receiver sensitivity. (5)

M13 GREAT CIRCLE CALCULATIONS REVISITED. Mike Tuggle, with an addendum by R.N. Allen. An explanation, how to figure distance and direction of stations mathematically, with a computer program to figure the Great Circle paths. (4)

M17 SOME THOUGHTS ON INTERFERENCE. Skip Arey. A simple modification to eliminate noise from light dimmers.(1)

**M18 MANMADE INTERFERENCE ON THE BCB.** Dallas Lankford. A systematic approach for evaluating a current or future DXing location in terms of man-made noise levels. (3)

M20 THE LOG BOOK. John J. Rieger. Organizing your log book. (3)

M23 WBBM RADIO: YESTERDAY AND TODAY. Chuck Schaden. A book review (1)

M25 MUSIC IN THE AIR, by Philip K. Eberly. Reviewed by Armand DiFilippo. (1)

M30 THE GOLDEN AGE OF DX'ING. John Clements. Were the years 1969 thru 1975 the Golden Age of DX'ing? You decide. (4)

M31 ALL ABOUT WAVELENGTH. John D. Bowker. Wavelength versus frequency. An explanation. (2)

M32 STANDARDS TIME AND FREQUENCY. via Pete Kemp. Time and frequency stations located on longwave. List by frequency. (3)

M33 AM RADIO IN HIGH FIDELITY. John D. Bowker. Find out the reason why AM sounds so bad and what can be done to fix it. (1)

M34 MYSTIQUE OF THE

**THREE-LETTER CALL.** Thomas White, via CompuServe, via Pete Kemp. The Historic Roll Call and Current Status. (12)

M37 NOISE Some Causes and Some Cures. Wayne Heinen (4)

M39 FOUR SOFTWARE PIECES FOR MW DX'ers G. Kudlemeyer. Review of programs for Macintosh Computer Owners. (6)

**M40 PIONEER BROADCASTING STATIONS IN THE US.** Thomas White A comprehensive history of U. S. Radio including the oldest 127 stations still in operation with starting dates. (12)

M41 RFI FROM HOUSEHOLD ELECTRONICS by Perry Crabill, Jr (2)

M42 AN INTRODUCTION TO LONGWAVE DXING by Shawn Axelrod (3)

M43 HOBBY AUDIO RECORDING IN THE 21ST CENTURY by R. Charles Rippel Discussion of modern recording methods (3)

**M44 A useful little timer for DX'ing** by Rick Kenneally (1)

M45 An Audio Switching network by John Bryant (3)

**M46 A Dummy's Guide to Working with Wall Warts**. Adapting by John H. Bryant, with Bill Bowers wall wart AC to DX transformers to DX'ing accessory needs (8)

#### **PROPAGATION**

**P1 MEDIUM WAVE SIGNAL PATHS, PARTS I, II, III, AND IV.** G. P. Nelson. Discusses Great Circle paths, seasonal absorption patterns, auroral effects and the Mid-Winter Anomaly. (29)

**P2 SOLAR CONTROL OF DAWN E-BLANKETING ON THE MW BCB.** G. P. Nelson. Explains how the position of the sun controls the fadeout time of TA's and TP's. (3)

**P3 EAST-WEST SYMMETRY AND THE FADE-IN PROBLEM.** G. P. Nelson. Explains how the sun controls the fade-in times for MW stations. (2)

**P4 SUMMER RECEPTION ON THE BROADCAST BAND.** G. P. Nelson. First article describing the seasonal patterns in solar terminator location which makes summer MW reception from deep South America and Africa possible. (3)

**P5 METEOROLOGICAL EFFECTS ON MW GROUNDWAVE RECEPTION.** R. J. Edmunds. Short term variations in groundwave propagation at MW frequencies and their relationship to weather conditions. (7)

**P6 AURORAL EFFECTS AND THE 1969 TRANS-ATLANTIC LISTENING TEST.** G. P. Nelson. A description of how the geomagnetic and auroral phenomena control TA reception from various stations. An introduction to auroral effects. (5)

**P7** THE AURORA OF NOVEMBER 6-9, 1970. G. P. Nelson. Traces a classic auroral attack from its origin on the sun to its effect on MW reception. (3)

**P8 COMPARATIVE MEASUREMENTS OF GEOMAGNETIC INDICES.** R. J. Edmunds. A three month comparison of A-index measurements as reported by several major observatories as they relate to each other. (3)

**P9 SKYWAVE OR GROUNDWAVE RECEPTION?** G. P. Nelson. How to tell whether the signal from a station is arriving via ground wave, skywave, or both. (3)

**P10 A BEGINNER'S GUIDE TO THE IONOSPHERE.** Fr. Jack Pejza. This article explains the processes which change the ionosphere and the effects of these changes on radio wave propagation. (10)

**P11 THE LIMITS OF MIDDAY MW DX.** G. P. Nelson. Comprehensive article describing the factors which influence radio wave propagation and reception during the late morning and early afternoon hours. (16)

**P12 LIMITATION ON THE USE OF THE A-INDEX.** G. P. Nelson. An explanation of the A-index as a DX'ers tool . (3)

**P13 BCB RECEPTION DURING PERIODS OF HIGH AURORAL ACTIVITY.** G. P. Nelson. Describes research into the effects of the aurora on MW propagation. (8)

**P14 SKYLINE BLOCKAGE** Fr. Jack Pejza. Mathematical derivation of the formulas needed to calculate the effect which terrain has on signals. (10)

**P15 SKYLINE BLOCKAGE, SOURCES OF UNCERTAINTY.** G. P. Nelson. Takes into account the possibility of signal propagation by some less common modes which are subject to blocking by the horizon. (9)

**P16 HORÍZON BLOCKAGE: CAN FRESNEL DIFFRACTION BÉ IGNORED?** G. P. Nelson. This article shows how signals that should be blocked by the horizon can sometimes be heard. (10)

**P17 TRANSPOLAR DX RECEPTION.** Ř. J. Edmunds. This technical article relates to the trans-polar reception of central and eastern Asiatic stations at sunset in North America. (27)

**P18 OBSERVATIONS OF TRANS-ATLANTIC MW RADIO SIGNALS.** C. W. Bailey. The results of a lengthy survey of TA receptions made over a one-year period. (3)

**P19 PROPAGATION AT MW FREQUENCIÉS.** P. Sullivan. Discusses some aspects of the factors which control signal reception on the BCB. (6)

**P20 FACTORS OF MW PROPAGATION.** F. Dinning. Discussion of the nature of MW propagation. (6)

- **P21 DOMESTIC PROPAGATION-ANSWERS TO FREQUENTLY ASKED QUESTIONS.** R. J. Edmunds. A discussion on some of the propagational factors that affect domestic reception. (1)
- **P22 REVIEW OF SOLAR ACTIVITY FOR THE MW DX'ER.** R. J. Edmunds. An explanation of the Fredericksburg A-index as well as its use in the hobby. (2)
- **P23 MEDIUM WAVE IONOSPHERIC PROPAGATION PLUS THE SEQUEL TO** R.Schatz. These articles take a different approach to propagation and presents new terms and theory. (11)
- **P24 TERMINATOR TRANSIT MECHANIX.** R.Schatz. Parts I, II, III, IV AND IV-A of a series which the author states features practical techniques to hear new stations; techniques never before available. (33)
- **P25 SUNSPOT CYCLE 21 THE PEAK HOW MUCH AND WHEN.** O. Oklehen, H. R. REPORT. This article, through careful predictions, shows how the next peak in solar activity will be one of the most severe in recent history: Includes additional comments by R. J. Edmunds. (3)
- **P26 ATMOSPHERIC AND GALACTIC NOISE ON THE BCB.** Dallas Lankford. A discussion on the amounts of various types of noise, Compared to receiver sensitivity (3)
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#### RECEIVING EQUIPMENT AND TECHNIQUES

- Some articles previously in this section are available in "The Challenging Crystal Set"
- R1 SPURIOUS SIGNALS & SPURIOUS SIGNALS REVISITED. R. J. Edmunds and G. P. Nelson. Many DX'ers hear stations on frequencies where they don't belong. Article describes causes and cures of spurious MW signals. (10)
- **R2 SINGLE SIDEBAND RECEPTION ON THE BCB WITH MECHANICAL FILTERS.** G. P. Nelson. Few commercial receivers covering the MW band have adequate selectivity to cope with MW interference--particularly in the presence of powerful local stations. Explains how to add mechanical filters to an existing receiver for the ultimate in adjacent channel rejection. (21)
- **R3 SUBAUDIBLE HÉTERODYNES ÓN THE MW BCB.** G. P. Nelson. Details on a technique to permit the MW DX'er to detect and characterize signals too weak to hear at the time; allows the DX'er to count the number of stations on a channel--even if no programming is audible and permits direction-finding on channels with several stations present. (6)
- **R5** THE TRACKING PROBLEM AND HOW TO CURE IT. G. P. Nelson and T. Holmes. Many excellent receivers are poorly designed for MW DX operation. This article describes one of the most common design faults and how to cure it. (4)
- **R6 ELECTRONIC VERNIER TUNING. R.** Moore. Detailed instructions on how to fit a varactor to a MW receiver to provide fine bandspread. (4)
- **R9 RÉCEIVER/ ACCESSORY INTERFACES MADE SIMPLE AND CHEAP.** R.J. Edmunds. A discussion of methods of interconnecting DX equipment. (7)
- **R10 UP THE CARRIER.** W. Bailey. Dig the weak DX out of the mud with this form of exalted carrier reception.
- R11 PRECISION FREQUENCY MEASUREMENT. R. Schatz. How to use the frequency counter. (3)
- **R13 SINGLE SIDEBAND RECEIVING ADAPTERS.** T. Sundstrom. How to sharpen your receiver's IF bandpass using a B&W 370 receiving adapter. (2)
- **R14 REVIEW OF THE AUTEK Q-BOX.** T. Sundstrom. Describes the uses of this noise filtering device and its applications in MWDX. (3)
- R17 BUILD YOUR OWN AUDIO FILTERS. P. Sullivan. A technical theory and construction article on inexpen-

sive homebrew audio filters. (7)

- R19 A BRIEF REVIEW OF THE AUTEK QF-1 AUDIO FILTER. C. Hutton. A non-technical review of this noise and interference filter. (2)
- R20 A FREQUENCY COUNTER FOR RECEIVER TUNING. R. Foxworth. A very thorough paper on digital readouts and what to look for in various models. Discusses technical theory and provides circuitry to enable the Experimenter to build a counter for use as a "digital dial". (13)
- R22 THE LYNODYNE CRYSTAL WIRELESS RECEIVER. R.W. Tuggle. The concepts of vintage crystal radio are incorporated in these construction plans for a simple receiver, offered as a sporting alternative to modern receivers; yet it has the potential for real DX. (4)
- R23 DIVERSITY RECEPTION. C. Hutton. Using more than one antenna and receiver in an effort to reduce fadingand interference on one frequency. (1)
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- **R25 STRONG SIGNAL HANDLING.** C. Hutton. This technical article explains that sensitivity and selectivity are not the only, nor the most important, considerations in a receiver. (6)
- R26 RECORDING JACKS FOR RECEIVERS. Dave Arbogast. A simple step-by-step procedure is outlined for adding a tape jack to almost any receiver. (1)
- R27 TAPE RECORDING HINTS. Mark Connelly. A complete method of radio-to-tape interfacing for portable radios is detailed, complete with schematics and parts lists for construction. (4) **R28 CONVERTING THE R-390A POWER SUPPLY TO SOLID STATE.** Charles Taylor. A conversion process to
- change the older high voltage tubes to solid state diodes is described step-by-step. (7)
- R29 R-390A ALIGNMENT CHART. Charles Taylor. A step-by-step procedure for aligning the R-390A. (5)
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- R31 THE SUPER HQ-180. Dallas Lankford. Add a Collins mechanical filter to your "180". While not a "how-to" article, problems and results are discussed. (4)
- R32 HQ-180A ALIGNMENT WITHOUT A 60 KHZ SOURCE. Dallas Lankford. Although most RF signal generators do not tune below 100 KHz., the HQ-180A's 60 KHz IF can be aligned with a 455 KHz RF source. (4)
- R33 R-390A/URR PTO ALIGNMENT. Dallas Lankford. The alignment procedure to achieve exact end-point alignment in the R-390A PTO tuning is detailed. See R34, (3)
- **R34 INSIDE THE R390A PTO.** Dallas Lankford. An in-depth article that explores the PTO tuning in the R-390A and shows how to improve its performance up to specifications. See R33. (4)
- R36 THE BBA-1 BROADCAST AMPLIFIER. Mark Connelly. A simple and other antenna. Complete construction details. (11)
- R37 THE GENERIC HQ-180 IF ALIGNMENT. William Marvin. A non-technical procedure that requires no test equipment. (4)
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- R39 A"KNOCK-YOUR-SOCKS-OFF" REGENERATIVE PREAMP. Ray Cole. A simple-to-build preamp that promises to nearly double your receiver's ability to dig weak signals out of the noise. (1)
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- **R43 CERAMIC FILTERS.** Marc Bergman. A listing and description of the most commonly available ceramic filters, with data from tests. (9)
- R44 THE HQ-180 SERIES RECEIVERS SENSITIVITY TEST. Dallas Lankford. A simple diagnostic test . (2)
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- R60 COMMENTS ON G. MAYNARD'S SYNCHRONOUS DETECT. Wayne Heinen. This reprint should be used in conjunction with reprint R-57. (1)

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R86 Drake R8: More on improving image rejection by Dallas Lankford (3)

R87 Adding an AM FET Front end to your low-priced portable by Jeff Sparks (4)

#### **RECEIVER REVIEWS**

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RR35 RA 6790/GM: A REVIEW. Dallas Lankford - 1993 (8)

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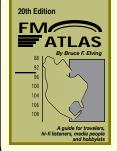
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