News

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Volume 59, No. 29 - August 31, 1992 (ISSN 0737-1659)



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From the publisher ...

Hope you've been able to do some quality DX'ing during the waning summer months. Most of my time has been spent in front of the keyboard or pasting little pieces of paper onto bigger. Check out the promo at the bottom of page nine for the results of one of these sessions.

Mangled copies of the bulletin have decreased dramatically since the post office required us to tape the corners of DXN, but should you receive a copy in less than satisfactory condition, replacement copies, as always, are free.

We're holding a copy of DXN which has been sent, twice, to two different addresses and been returned. Please check with the USPS if you aren't sure what your exact mailing address is, and then let us know so we can get DXN to you on time.

Super Radio Long range performance \$3,098



2 way power with automatic AC/DC switch, 6-1/2" speaker and piezo tweeter. Long range performance.

Available at Ed Marling's -(913) 273-6970, Topeka; check your local General Electric store

They joined
... R obert
Goodman,
Philadelphia,
PA; Theodore R.
Hall, Louisa,
VA; Don
Hutchings,
Loves Park, IL;
Jeffrey A.
Kleppinger, Seattle, WA; Jerry
Elya,

Bloomington, IN; James A. Dale, Rosemount, MN; and Lexington E. Smith, KB2VR, Woodbury, CT.

Publications ... Grove Publications - P. O. Box 98 - Brasstown, NC 28902-0098 is offering "propagation Programs - A Review of Forecasting Software" by Jacques d'Avignon. The 47-page book is \$9.95. And fellow Kansan Kannon Shanmugam's "1993 Guide to Shortwave Programs", which includes 20,000 English-language programs from 100 stations worldwide sells for \$15.95. Mention the NRC when you order!

Remaining DXN Schedule, Volume 59:

Deadline Pub. Date

Sept. 18 Sept. 28

DXN Schedule, Volume 60

	. D	XN Sched	lule, Volume 60		
1.	Oct. 2	Oct. 12	16.	Jan. 29	Feb. 8
2.	Oct. 9	Oct. 19	17.	Feb. 5	Feb. 15
3.	Oct. 16	Oct. 26	18.	Feb. 12	Feb. 22
4.	Oct. 23	Nov. 2	19.	Feb. 19	Mar. 1
5.	Oct 30	Nov 9	20.	Feb. 26	Mar. 8
6.	Nov. 6	Nov. 16	21.	Mar. 5	Mar. 15
7.	Nov. 13	Nov. 23	22.	Mar. 12	Mar. 22
8.	Nov. 20	Nov. 30	23.	Mar. 19	Mar. 29
9.	Nov. 27	Dec. 7	24.	April 9	April 19
10.	Dec. 4	Dec. 14	25.	April 23	May 3
11.	Dec. 11	Dec. 21	26.	May 21	May 31
12.	Dec. 18	Dec. 28	27.	June 18	June 28
13.	Jan. 8	Jan. 18	28.	July 16	July 26
14.	Jan. 15	Jan. 25	29.	Aug. 13	Aug. 23
15.	Jan. 22	Feb. 1	30.	Sept. 10	Sept. 20

DX Time Machine

Receptions from the DX log of Max Watkins, Tecumseh, NE: 1923: Oct. 7: KFIX, Independence, MO; Oct. 12: WRC, Washington, DC.; Oct. 13: WTAM Cleveland, OH; Oct. 15: WBAH, Minneapolis, MN; KFFZ, Dallas, TX; Oct. 20: WRAO, St. Louis, MO; KFJW, Towanda, KS; Oct. 30: WCAS, Minneapolis, MN.

From the pages of DX News:

50 years ago ... from the August 22, 1942 DXN: Frank Coryell, Cleveland Hts., OH, noted, "I never really understood how poor summer reception was until now. It's positively disgusting; I can't even hear KFI until past 3 am, and then only about R4."

25 years ago ... from the September, 1967 DXV: DX'ing from Antofagasta, Chile, John W. Hoogerheide reported reception of WCKY-1530, KFBK-1530, WPTR-1540, KMOX-1120, and WGBS-710.

10 years ago ... from the August 23, 1982 DXN: The all-time IDXA listed Ray Crawford, New Zealand with 167 countries; Al Slater, England, 130; Ken Mackey, New Zealand, 123; Ben Dangerfield, PA, 118; Hilding Gustafson, IL/FL 109; Art Cushen, New Zealand, 108; Roger Anderson, VA, 105; and Hank Holbrook, MA, 101.

2 **AM Switch**

Jerry Starr c/o WHOT Radio 4040 Simon Road

Youngstown, OH 44512-1320

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

CALL LETTER CHANGES

Old cal	1:		New	call:
730	WARB	LA	Covington	WASO*
740	WWEA	MA	Cambridge	WJIB
870	WFKB	TN	Colonial Heights	WZMC
900	KKAP	TX	Floydada	KAWA
1230	WBBI	VA	Abingdon	WABN
1280	KLGV	TX	Longview	KARW
1400	KKCB	CA	San Luis Obispo	KIXT
1450	KQDI	MT	Great Falls	KMSL
1480	WMAX	MI	Kentwood	WGVU
1490	MLMW	GA	Cordele	WGPL
1520	WWEZ	MI	Muskegon Heights	WQWQ
1550	KZQQ	UT	West Valley City	KRGQ
*WARB-7	30 first	asked	for a change to WAFU but	had that

APPLICATIONS FOR NEW STATIONS None

change set aside in favor of WASO.

GRANTS FOR NEW STATIONS

1060 AZ Tempe: 5000/500 U2 (replaces the existing license of KUKQ as part of a settlement agreement)

1250 PR Sabana: 1000/250 U4

1470 NC Greensboro: 3500/5000 U2

APPLICATIONS FROM EXISTING FACILITIES

- 950 WSYA AL Montgomery: dismantle nighttime directional antenna system and operate with 44 watts at night from the daytime transmitter
- 1040 KEZF OR Tigard: powers to 2200/200
 - WAMN WV Green Valley: night power to 200 watts
- 1100 KZPM CA Bakersfield: night power to 5000 watts
- 1290 KPHP OR Lake Oswego: day power to 3500 watts
- 1390 KAMO AR Rogers: powers to 1000/125, antenna to U1
- 1430 KROO TX Breckenridge: day power to 700 watts

GRANTS TO EXISTING FACILITIES

- 920 WGNU IL Granite City: relocate daytime transmitter site, reduce day power to 450 watts
- 1480 WCIN OH Cincinnati: powers to 1000/114
- 1490 WLGW NH Lancaster: relocate transmitter site

OTHERNESS

- 640 WWJZ NJ Mount Holly: new station has been conducting on-the-air testing for over a month and may be on regular schedule when this reaches you
- KBBA AR Benton: silent station has new owners, may be 690 returning to the air
- 770 WTOR NY Youngstown: construction of this new station has hit a snag as a citizen group is protesting the erection of their three 350-foot towers in Lewiston, NY

810 850	WSJC WPFD	MS TN	Magee: station is SILENT Fairview: silent station is ON THE AIR
900	WBGG WOOR	NY	Saratoga Springs: silent station is ON THE AIR Lebanon: silent station is ON THE AIR
920	CKCY	ON	Sault Ste. Marie: station will go off the air for good on 8-30-92. Owners of both AMs in this market are taking their AM facilities off the air permanently and will combine their FM stations into a joint operation. See 1050 below
990	WEEB	NC	Southern Pines: according to the station they run 5000 watts during Critical Hours and 500 watts at night
1030	WJKZ	TN	White Bluff: station is SILENT
1050	CFYN	ON	Sault Ste. Marie: station will go off the air
		000000	8-30-92, see CKCY-920 above
1080	WKKE	NC	Saint Pauls: silent station is ON THE AIR
1120	кт	TX	Manor: application to change city of license to Cottonwood and increase night power has been recinded by the station
1130	WEEO	PA	Waynesboro: station is SILENT and will remain so permanently, the studios have been dismantled and their 3-tower antenna system has been taken down. Looks like this one is gone for good.
1210	WDGR	GA	Dahlonega: silent station has new owners who expect to return it to the air soon
1250	WXOX	MI	Bay City: station is SILENT again
1260	WRIP	SC	Lake City: silent station is ON THE AIR
1340	WKGN	TN	Knoxville: silent station is ON THE AIR
1350	WCHI	OH	Chillicothe: silent station is ON THE AIR
1380	WKTJ	ME	Farmington: station is SILENT
1400	KKNX	TX	Huntsville: station is SILENT
1440	WYGH	KY	Paris: new station is ON THE AIR with Southern
1440	mai	13.1	Gospel format and USA net news. Programming is LOCALLY produced, not satellite fed!!!
1470	WBUL	KY	Shepherdsville: silent station is ON THE AIR
1480	CKAN	ON	Newmarket: silent since last March, station is now ON THE AIR again
1500	KOKY	AR	Jacksonville: license for this silent station has been CANCELLED and the calls DELETED
	WSMX	NC	Winston-Salem: station was reported to be off by a local monitor but silence must have been very brief as this station is still ON THE AIR
1520	WQMA	MS	Marks: silent station may be ON THE AIR with a blues format by the time this reaches you
1540	WADM	IN	Decatur: station is SILENT temporarily due to equipment problems
1550	WNDI	IN	Sullivan: silent station is ON THE AIR
CITABLE	WVAB	VA	Virginia Beach: silent station is ON THE AIR
1600	WRNC	NC	Reidsville: license renewal for this long silent station has been DISMISSED, we assume
			this indicates this station will not return
THA	NKS: [Dick	Truax, Chuck Rader, William Cooley, Doug Smith, ack Parks. John Bowker and M Street Journal

3

73 and Good DX, JUNY & BKF Jerry Starr & Buffalo K. Foorman

Domestic DX Digest

North: Bill Hale

495 Creekview Drive - Meridian, ID 83642-3241

South: Duncan Shaw

3131 S. McClintock B111 - Los Angeles, CA 90007

East: Dave Braun

11 Mill Bend Acres - Wyoming, DE 19934-9523



1

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

DDXD-North

MEDIUM WAVE RAMBLINGS

- Here we are in Idaho! See the header for my new address. Meridian is about 10 miles west of Boise's city center and I'm about six miles due north of KBOI's transmitter site. But have been able to null them out for KNBR-680 reception! Due to the re-alignment of DDXD (see map in Issue 28, although the dot for Boise is about 125 miles too far East, hi), I must sadly say good-bye to all of you faithful reporters in the South and the Northeast. But, keep your fine reports going to your new editors and DDXD will continue to be THE way to get your DX and tips out in the fastest possible manner available to mortal man, hi. Thanks for all your support over the past six months (West-Coasters) and six years [Has it been that long?! Yup] for the East. So, let's go, Northerners. Report now . . . and often! Show those DXers in the other areas where the real DXers live!! The phone number here is 208-888-7398. Call from 6-10 PM Mountain Time.
- Welcome to first-time reporter **Deane McIntyre** of Calgary, Alberta. Good to hear from another "Northerner"!! Good stuff, Deane. Report often.
- Thanks to Mike Brooker for the handy little CBC Radio Schedule and station guide. From this new location, I'll be doing a lot of listening to that service.
- Included here are the results of Jerry Coatsworth's DX Test efforts over the past season. Mighty fine, mighty fine!

@ [D]

■ Upcoming deadlines for DDXD-N are as follows: Issue 30 Sept 12... Issue 1 Sept 26... and weekly for several issues after that. Have fun at the Comvention!

ave fun at the Cornvention!	WOOC Street 58 am
ECIAL	Great 2 58 am

		SPECIAL Great > 38 am
590	WKZO	MI Kalamazoo - As of mid-July, format is now News-Talk
		(ex:AdCon). Slogan: News 59. (PLB-MI)
800	CHAB	SK Moose Jaw - 7/11 050? Fair with . You know it, we know it, they
		know it, and soon everybody will know it. Nobody plays more continuous
		country than Country 800. Slogans Continuous Country and Country 800
		and Saskatchewan's Continuous Country. No longer Oldies. Also now
		Broadcast News. (SA-MB)
820	WOSU	OH Columbus - Beginning 8/1, hours of operation are 0500-2300
		Monday - Friday and 0600-2400 Saturday and Sunday due to budgetary
		cutbacks. NPR's Talk of the Nation will replace big-band programming.
		Also affected are the schedules of WOSU-TV and WOSU-FM. (GH-OH)
860	СЈВС	ON Toronto - 7/15 0315 Noted OFF for the first time in a long time.
		The next night I heard them sign off at 0110. Perhaps an austerity move?
		(JR-NY)
980	KUPI	ID Ammon - Idaho Falls - 7/27-8/2 Heard with dual city ID, slogans 98
		Gold and Q-Pee. Playing some satellite feed with local ads. All music Adult
		Classics. My 10 and 13-year-olds were totally amused! Data differs from
		current Log. (BW-WY)
1150	WAVO	SC Rock Hill - QSL from WHVN-1240 states they simulcast on WAVO
	AND A STATE OF THE PARTY OF THE	and it's 24 hrs, 1 kw days, 60 watts nites. (DT-ON)
1340	KSGT	WY Jacknon - 7/27-8/2 Heard all week with all-country music. Good

no TIS' noted at either Grand Teton or Yellowstone)

signal all the way north until into Yellowstone. Real weak copy even up at

Old Faithful. No CHR heard at all as listed in '92 Log. (BW-WY) (Note:

		8
480	WGVU	MI Kentwood - Has added NPR's Fresh Air and John Hackenberry's
		talk show to their afternoon line-up. Also, has been operating on 1000
		watt night pattern 24 hours-a-day since June. (PLB-MI)
1520	WQWQ	MI Muskegon Heights - 8/1 Took Back these calls (ex:WWEZ) and
		adopted a Nostalgia/Big Band format. No longer simulcasting their FM.

1550	KQWB	ND West Fargo - 7/24 0650 Good with C&W music, KQ 6	ountry is
		KQWB West Fargo - Fargo → Unistar Radio News. No longer	Oldies.
		(SA-MB)	

(PLB-MI)

1240 AM KODY

UNIOS AND UNID HELP

580 UNID ?? - 8/1 2338 Very poor with very vocal preacher, briefly under CKY. Lots of Iowa, Missouri, Indiana & Wisconsin this night. Ideas, please!! (SA-SR)

1290 UNID ?? - 8/2 2255 Very poor in brief fade-up with Latin BBD music under CIFX. (SA-SW)

1550 UNID ?? - 7/23 0621 Fair with C&W music, several One double 5 Oh
Country IDs. (SA-MB)

MIDNIGHT TO 0800 HOURS ELT

- 580 CKXR BC Salmon Arm 7/16 0)25 Good with AC music. No sign of usual CKUA or CKY, which normally dominate. (DMc-AB)
- 590 WOW NB Omaha 7/16 0100 Good with local weather, several IDs. Also uses the Radio Ranch non-ID. (DMc-AB)
- 700 KMJY WA Newport 7/19 0055 Fair → good in CKRD null with C&W music, ID and sign-off at 0100. (DMc-AB)
- 730 KURL MT Builings 7/16 0100 Good with local weather and ID. No sign of usual CKLG or CKDM. (DMc-AB)
- 850 CKVL PQ Verdun 7/19 0611 Fair with sports report in FF → Elvis' I Can't Help Falling In Love With You. (MB-MA)
- 860 WGUL FL Dunedin 7/15 0330 With MoYL format, ID and weather. Nice to have CJBC off. (JR-NY)
- 990 CKIS PQ Montreal 7/19 0553 Blasting in with Oldies 990 ID, ad for Cape Cod Restaurant in Ste-Anne-de-Bellevue. (MB-MA)
- 1030 KMAS WA Shelton 7/13 0200 Fair with ABC News, local weather. IDs as 1030 KMAS. KTWO off. (DMc-AB)
- 1060 CJRP PQ Quebec City 7/19 0548-0557 Fair to good with FF MoR tunes, noted 1 CJTR-1140 Trois Rivières (good), CFVM-1220 Amqui (fair) and CJMS-1280 Montréal (fair to poor). (MB-MA)
- 1100 WYKR VT Wells River 7/19 0607 Fair with state and local news. (MB-MA)
- 1340 WSTJ VT St. Johnsbury 7/13 0012 In mess with what sounded like a local rock program and . . you're going to hear about it on WSTJ . . On later than shown in '91 NRC Log schedule. After 16 years, only my 3rd from Vermont. (JR-NY)
 - CKCR BC Revelstoke 7/20 0200 Fair with Broadcast News, sports, ID. (DMc-AB)
- 1360 KSCJ IA Sioux City 7/16 0658 Good with KSCJ Information Radio at new sign-on time. (SA-MB)
 - KRKK WY Rock Springs 7/23 0505 Excellent with oldies, ID as KRKK Rock Springs Green River. (DMc-AB)
- 1390 WRSC PA State College 7/13 0620 Fair with report on a renovation project at Penn State University. ID at 0629. (JB-MA)
- 1420 WCBD PA Dubois 7/9 0610 Several IDs, weather report mentioning Dubois. ID also as Classic 1420. (JB-MA)
- 1440 WNPV PA Lansdale 7/13 0611 Fair with IDs as WNPV and Info Radio.
 Report called Suburban Weather Report. (JB-MA)
- 1450 KIRX MO Kirksville 7/23 0604 Fair with weather/sports. ID as K/RX → C&W music. (SA-MB)

KBFS Belle Fourche - 7/20 0500 Good with All day, all night, we're here for you. KBFS Belle Fourche. Must be 24 hours now? (SA-MB) 1460 CKRB PQ St-George-de-Beauce - 7/19 0601 Fair with FF news and sports. (MB-MA) WXKW PA Allentown - 7/13 0556 Country music, ID as 1470 Stereo WXKW at 1470 0600. Fair to poor. (JB-MA) 1590 KLLL Lubbock - 7/22 0640 Good with C&W music, local news. K Triple L TX ID. Dominating frequency. (SA-MB) 1600 TO 2400 HOURS ELT MO St. Joseph - 8/2 2339 Good with BBD music on Wax Works 680 KFEQ program. KFEQ ID. Over/under very rare CJOB. (SA-SR) 780 CFDR NS Dartmouth - 7/18 2145 Good with local weather → Bryan Adams song. (MB-MA) Sudbury - 7/18 2200 Fair in fight with several others with Blue Jays 790 CIGM ON vs. Mariners baseball. (MB-MA) **KCMO** MO Kansas City - 8/2 2307 Very Strong with ESPN Sports Radio 1 810 KOIL-1290. Over CKJS. Unreal here. (SA-SR) Charlotte - 7/7 2306 Good, with end of a newscast, then a religious 930 WYFO NC show. First time with new calls. (JK-VA) 950 KLIK Jefferson City - 8/1 2215 Poor with C&W music, local ads for a moving company and a restaurant. New for MO #59. (SA-SR) KWAT Watertown - 8/1 2220 Fair with Minnesota Twins baseball Roundup, local ads. Under/over CFAM. (SA-SR) WHAM NY Rochester - 7/9 2143-2300 In poor/fair, with WHAM's 70th 1180 Anniversary Show (July 9, 1922 - July 9, 1992). Interesting show, MC'd by Alan Harris. Guests included former air personalities Jack Slattery "The World's Tallest Midget", Jack Murphy, Bob Meteor, Sheila McGrath, Jeff Howlett, Ann Keith (now on KMOX), WHAM-TV pioneer Ann Rogers, Harry Abraham (whom NRCers should remember from his early morning 50,000 Watt Jazz Show, David A. Senate, Beth Adams, "Mitch" Miller, "Foster" Brooks, along with others. Heavy Radio Taiño QRM! (JK-VA) 1230 WUBE OH Cincinnati - 7/16 2113-2210 C&W and OLD comb. Hard to read due to three unIDs with talk. Call ID at 2130 into news. Poor. (DT-ON) CJCS 1240 Stratford - 7/20 2145-2210 With OLDies. 2215 start of pbp of Blue Jays-Angels game. ORM from WJTN. (DT-ON) 1250 **KBRF** MN Fergus Falls - 8/1 2246 Fair with C&W music, KBRF ID. In a KIKC MT Forsyth - 8/1 2251 Poor with C&W music, KIKCID at 2300. Under CHSM. New for MT #43. (SA-SR) Milwaukee - 8/1 2300 Poor with WEMP, Milwaukee ID → oldies. WEMP WI (SA-SR) 1350 CKDD ON Oshawa - 6/24 1653 Good with Good Time Oldies non-IDs. QSL shows new call letters. (JR-NY) 1400 WKWK wv Wheeling - 7/22 2210-2300 With OLDies, You are listening to ??? on WKWK at 2230. News(?). Very poor under 2 unIDs. (DT-ON) 1450 WATZ MI Alpena - 6/26 2345-2400 With C&W mx, ID at 2400 1450 WATZ. Poor, over/under unID. (DT-ON) WGNA Albany - 7/7 2320-2335 With C&W mx, ID at 2333 107.7 WGNA. 1460 NYOver/under unID with music. (DT-ON) 1490 WOHI \mathbf{OH} East Liverpool - 6/21 2200 Call letter ID through mess, then ABC Lapeer - 7/11 2048 Country Gold slogan and call letter ID under 1530 WWGZ MΊ WCKY. (JR-NY) WXVA 1550 WV Charles Town - 7/14 1954-2000 With OLD and We are the station

that plays all the oldies, WXVA 1550. News(?) at 2000. Poor with splash

WV Kingwood - 7/7 2056 In good, with WQXR QRM, and SSB signoff.

NC Taylorsville - 7/7 2105 In with The best music and most variety, 1570

WTLK → country/western music. On 500 watts Critical Hours. (JK-VA)

from CHIN-1540. No CBE. (DT-ON)

On 250 watts Critical Hours. (JK-VA)

WFSP

WILK

1560

1570

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Chester - 7/11 2026 In WAKR null with Your Country Cousin, WCZN WCZN ID and C&W music. Previously heard as WQIQ. (JR-NY) Warner-Robins - 6/24 2221-2310 With ROK music and We are back, 1600 WRCC on Rock 102 with female anner. NBC News at 2300 followed by local news and ad for used cars, then sports. Under CKNR/WWRL/WAAM/WUNR at various times, taking turns! (DT-ON) DX TEST RESULTS '91-'92 Jerry "The Pirate" Coatsworth Merlin, ON

> JRC NRD-525 + 30' antenna, CTR-73 taper and programmable timer (in chronological order)

- 1370 KCRV MO Caruthersville - 10/28/91 0615 Listened via tape - nothing heard. Found out later test was not aired or aired at different time.
- OK Sallisaw 11/11/91 Listened from 0120-0135. Heard several code IDs 1560 KKID and faint voice ID. Sent report, but no response received.
- Clinton 11/25/91 0130-0200 Nothing heard. 1320 KXOL Green Bay - 12/2/91 0200-0300 Voice and code IDs heard easily, 1360 WGEE mixing with WSAI. Verie in 51 days signed by Steve Konopka, Chief Operator.
- 1410 WDOV DB Dover - 12/16/91 0200-0205 Heard rapid code at 0204. Received full data card in 15 days signed by Robert L. Reinhardt who said Dave Schmidt doesn't work here anymore.
- Warwick 12/23/91 0330-0430 Heard several faint code and voice WARV 1590 IDs. Verie letter and bumper sticker in 14 days. V/L signed by Lincoln Hubbard - N1ATU
- WCVR Randolph - 12/30/91 0045-0102 Heard only WBOL and CJMR. 1320 VT WDEL Wilmington - 12/30/91 0330-0400 Listened via tape. Heard rapid 1150 code just before 0400. Sent report. Received nice non-verie reply from Bill Blatz (CE) in 29 days. Said no code used during test.
- WGAN Portland - 12/31/91 0030-0200 Nothing of test heard, but did hear 560 ME unID with Larry King and unID from Newfoundland.
- KMYZ 1570 OK Tulsa - 1/6/92 0101-0500 Heard code IDs and Yankee Doodle several times. Received sticker and verie letter signed by Joe Hancock, CE in 27 days.
- 720 KUAI Bleefe - 1/12/92 0500-0900 Highlight of the DX Test season. Was on the phone with Chuck Reh during the entire hour (0500-0600) while WGN was silent. Chuck's R-390 snagged some code with help from his loop by nulling local CHYR-730. All I got was CHYR slop! [Hmmmm. DXing by telephone? - Ed.1
- 1320 KXOL OK Clinton - 1/13/92 0130-0200 Taped this test - nothing heard. I did hear a het from a station while setting up on 1317.5.
- WOTW Latrobe - 1/18/92 0100-0030 Heard tones and possible code ID. 1570 PA Verie letter in 20 days signed by Joey Kaye, Chief Engineer.
- WЛC 1510 NJ Salem - 1/20/92 0000-0030 Easily heard with variety of tones. Verie letter in 10 days signed by Ben Ferguson, VP & CE.
- WWII PA Shiremanstown - 1/26/92 0330-0400 Heard music, code voice ID all 720 part of test. Verie letter in 49 days signed by Carl C. Kuehn II, CE.
- 1350 WDIO Ortonville - 1/27/92 0100-0110 Nothing heard. MN
- WMTR Cedar Knolls - 1/27/92 Too tired to attempt this test so set taper for 1250 NYWSKE test later same night.
- **WSKE** PA Everett - 1/27/92 0200-0300 Taped this one and heard code ID and 1040 fiddle music. OSL card in 12 days with no signature.
- KHAC 880 ΑZ Window Rock - 2/3/92 0300-0400 Listened via tape. Heard faint code. Verie letter in 17 days signed by Bill Hurne, CE. Said station is actually in New Mexico, but P.O. Box is in Arizona.
- wvvw 630 WV St. Marys - 2/10/92 0000-0030 Checked this one just for fun while waiting for WZZZ test, but heard only local CFCO.
- Fulton 2/10/92 0115-0200 Only heard Best of King on WERE and 1300 WZZZ NY C&W unID'er under.
- WA Tri-Cities 2/10/92 0330-0400 Heard nothing of test. Only WTVN 610 KONA and possibly WDAF and WZZX.
- MO Caruthersville 2/17/92 0615-0645 Easily heard tones and code ID. 1370 KCRV

8 690	KUSD	SD Vermillion - 2/17/92 0300-0330 Taped this one using timer, but forgot
090	KOSD	
		to connect taper to radio, so nothing heard.
1310	$\mathbf{W} \mathbf{J} \mathbf{L} \mathbf{K}$	NJ Asbury Park - 2/24/92 Since time wasn't mentioned (in Test Notice) I
		listened for a few minutes after midnight but heard nothing.
1250	KTMA	SC Charleston - 2/24/92 0300-0330 Heard code ID very well and received
		verie letter in 67 days signed by Bruce Roberts, CE.
900	KALT	TX Atlanta - 3/7 92 0600-0630 Heard nothing of test, but did hear
		CHML and WFRO sign-on at 0602.
1530	KPCR	MO Bowling Green - 3/8/92 Positive copy heard from 0130-0152. Good
	ILI OK	The bound of the second of the
		ole boy-style announcer giving station location, transmitter info, mention of

Paul Salois, founder, president, general manager and CE.

Wayne Heinen. Also code and voice IDs. Verie letter in 10 days signed by <u>J.</u>

	REPORTERS
JB-MA	Jim Bagge Springfield, MA; HQ-140X and 350' Loop
GH-OH	Gregory Henson Circleville, OH;
JR-NY	Jim Renfrew Rochester, NY; HQ-180 + Radio West Loca
JK-VA	Jeff Kitze Dillwyn, VA:
MB-MA	Mike Brooker Toronto, ON (DXing at Lenox, MA); ICF-7600D
DT-ON	Don Trelford Scarborough, ON;
SA-xx	Shawn Axelrod Winnipeg, MB; ICOM R-70 w/PLAM board & 4 kHz filter + 4' Box
	Loop/100' longwire or on a 51/2 hour ride to Swan River, MB; '85 Plymouth caradio
	w/whip (Finally. Original reports to me, Shawn!!)
BW-WY	Bruce Winkleman Tulsa, OK (DXing at Grand Teton and Yellowstone National Parks);
	rented 4WD vehicle radio
PLB-MI	Phil Boersma Spring Lake, MI;
DMc-AB	Deane McIntyre Calgary, AB; Sony AM "Super Sensitive" TRF portable, circa 1970
EdCA	Editor, N5SZC/7 Meridian, ID;
	· ·

GRAVEYARD DISTANCE RECORD UPDATE

1230 kHz:				
WFOM NC Ma WECK NY Bu		J.W. Bay, Jr. Don Trelford	Drexel Hill, PA Scarborough, ON	661 57
WISP NC Ki		J.W. Bay, Jr.	Drexel Hill	352
1450 kHz: WGNS Mu	ırfreesboro	Don Treiford	Scarborough	654
1490 kHz: WDLC Por	rt Jervis	Don Trelford	Scarborough, ON	286

ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DDXD-NORTH

|| :parallel with or to -: into :00:on the hour AC:Adult contemporary AP:Associated Press BBD:big band BRN:Business Radio Net C&W:country & western CHR:contemporary hit radio CID:code ID CL:call letter ContChr:contemporary Christian EZL:easy listening EE:English FF:French GOS:gospel IRN:Interstate Radio Net LSR:local sunrise LSS:local sunset MLB: Major League Baseball NBA:National Basketball Assn NPR:National Public Radio OC:open carrier pbp: play-by-play POL: political PSRA:pre-sunrise authority PSSA:post-sunset authority QRM:man-made interference QRN:natural interference QTH:location REL:religious ROK:rock 'n' roll RS:regular schedule \$:stereo SID:singing ID SRS:sunrise skip SS:Spanish SSB:Star Spangled Banner SSS:sunset skip TC:time check TT:test tones UC:urban contemporary UPI:United Press International



Need more information about AM DX'ing?

Mail a 29¢ stamp to NRC Publications - P. O. Box 164 - Mannsville, NY 13661-0164, and ask for the NRC Product Catalog.

DDXD-South

SPECIA

- 690 KSTL MO St. Louis Now carries children's programming in the early afternoons.
 (EB-MO)
- 1260 WIBV IL Belleville Per announcement on KTVI Channel 2, this station simulcasts KTVI's newscast at 1800 ELT. (EB-MO)
- 1400 KJCF MO Festus-Chrystal City Now AC, ex-OLD (EB-MO)
- 1570 KBGZ IL Alton Now carries SUN Network Talk, still The Big Z (EB-MO)

TIS

530 MO St. Charles - 8/7 0021 good over CIAO and other TIS with info on resurfacing of the Poplar Street Bridge, mentioning alternate routes. There is also a synchronous transmitter in downtown St. Louis with a one-second delay.

0000 - 0800 ELT

- 640 WWLS OK Moore 8/7 0143 good over KFI/WOI/WCRV with KXOK-630 splash with baseball talk. (EB-MO)

 WCRV TN Collierville 8/7 0144 fair under WWI S with KXOK-630 splash with
 - WCRV TN Collierville 8/7 0144 fair under WWLS with KXOK-630 splash with mention of *on WCRV* and christian information. (EB-MO)
- 1140 WRVA VA Richmond 8/1 0301 good over XEMR with slight KMOX-1120 splash with CBS News, network ads, wx for Richmond, into Big Al's Bluegrass Special. Better here than in GA! (EB-MO)
- 1210 WOGL PA Philadelphia 8/1 0310 good with fair \$(tereo) with OLD, Oldies 98 ID, mention of a Twin Spin Weekend, Oldies 98 jingle, better here than in GA. (EB-MO)
- 1430 WXAM KY Buffalo 8/7 1058 good to poor in super-tight WRTH null with CWM, faded out by legal ID time. (EB-MO)

0800 - 1600 ELT

(What - everyone was too busy to DX while at work? - DIS)

1600 - 2400 ELT

- 860 KKOW KS Pittsburg 7/28 2109 near local-like with some KFUO-850 splash w/CWM. (EB-MO)
- 1130 KFAN MN St. Paul 7/31 2158-2206 Legal ID, mention of sports format, into Mutual Nx, then to Saturday sports program. Very strong even barefoot and rare enough here; best ever. (JL-MO)
- 1310 WIBA WI Madison 7/31 2058-2100 ad for hardward store, Legal ID, into Nx. Strong. Caught while looking for Joplin o/u other unID station. (JL*MO)
- 1440 WROK IL Rockford 7/28 2105 good over WHHY and others with slight WRTH-1430 splash. Wx, Sounds of Sinatra promo, Jobs Corps PSA, jingle, into Bruce Williams Show. (EB-MO)

REPORTERS

(EB-MO) Eric Bueneman Hazelwood, MO; DX-200, STA-90, TM-152, SM-2)

(JL-MO) Jefferson E. Lewis Kansas City, MO; Grundig Satellit 400; RW Shotgun // Selec-A-Tenna and barefoot. (JL*MO) Panasonic RQ-V180

BITS AND PIECES

Eric Bueneman reports: "Back in the St. Louis area after four years near Atlanta, and my closest local, KIRL-1460, can be nulled to get traces of KGGO, but I can still get a nice signal on WMBD-1470 and the mess on 1450."

A short first column for all you Southern people - in fact, this was the completely Missouri edition!!! Remember, please send reports to the new L.A. address above. Hope to see you in a few days in THE <u>BIG</u> O!!!



The NRC 13-month DX Calendar – you gotta have it!

No, we couldn't get Cindy Crawford to pose for it, but we did give you an extra month – it runs from October through October – and sunrise-sunset maps for each month, plus much more information. Only \$4.00, from NRC Publications. NY residents, please add sales tax.

DDXD-East

NEWS VIEWS AND COMMENTS

Since we are in the middle of summer, and there has not been too much DX activity here lately, I thought that I would start this first column by introducing myself to the membership. I have been a member since 1982, contributing occasionally as DX and time allowed. Due to the timing of Paul's request for volunteers, I found myself with the time and desire to put something back into the club. I hope it works out for all of us.

I am involved in both Prodigy and CompuServe, and would be glad to get notes and comments through either service, but please do not send loggings for the column that way. I can make no guarantees that messages will be received on a timely basis if things start to get busy.

After looking at the publishing schedule I am going to plan on having deadlines here on the Saturday before Paul's deadline. If that starts to run into trouble with mail service, I will let you know. The next deadline will be September 12.

If you have looked closely at the new divisions for DDXD, you will notice that the new DDXD-E is the smallest of the divisions. The reason for that is that it is also the area which produces the most loggings for the club! Please keep my fingers busy through the entire year with your DX, and this column will be the largest for tips from the smallest area!

Let's move on to the tips that have been received...Thanks Jeff!

SPECIAL

- 640 WWJZ NJ Mount Holly 7/31 1330 Heard testing very loud while traveling north of Philly. EZL music and announcements. (Ed)
- 1520 WHRF MD Bel Air 8/15 1500 Back on the air, had talk show with local government employee talking about recycling and other local programs. I don't know how long it has been back. I thought I saw it reported somewhere, but this is the first time heard since it was silent. (Ed-DE)

0000 to 1800 ELT

950 WROL MA Boston - 7/26 0002-0011 In faint but clear, with Spanish programming before signoff. At 0002 heard what sounded like "...Radio Unidad de...". Heard WROL calls during signoff, which was very, very weak. No sign of usual WQBE or WPEN. Is this WROL or WRUL, which I believe used to be a shortwave station? Still 90 watts? Prepared QSL request letter sent. (JK-VA)

1600 TO 2400 ELT

- 920 CJCH NS Halifax 7/23 2257-2300 Poor, with what sounded like a combination of easy jazz, oldies, mixing with CFLS/WITM. At 2258, very clearly heard a "CJ-CH" jingle. Nova Scotia number 1 at this location! (JK-VA)
- 1380 WTOB NC Winston-Salem 7/22 2134 In very good, with Atlanta Braves baseball vs. St. Louis, with WTOB mentions during the breaks, and Sherwin-Williams, American Express, Bel Aire Used Car Rentals and Dennys Restaurant commercials. (JK-VA)

PIRATES

1620 WRMR NY Monticello - 7/22 2245+ In good over heavy TVI with mentions of Monticello, NY and 914-434-2587 phone number given out, along with music by the Eagles(Take it to the Limit) and the Rolling Stones. Also obscene talk. (JK-VA)

REPORTERS

- JK-VA Jeff Kitze Dillwyn, VA Sony FD-555 TV/AM/FM Cassette 100% barefoot
- Ed-DE Dave Braun Wyoming, DE R-2000, Palomar Loop



New from NRC's DX Audio Service: "After Dark #2"

Four C-90 tapes in a holder now available for only \$9.50 postpaid. Listen to accounts about the VOA ... news about radio today ... 45 minutes from WNRC, and more airchecks from special stations ... and many special features. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.

International DX Digest

Jim Renfrew

61 Wilcox Street Rochester, NY 14607-3832

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

The big news here is that I finally got Vermont verified (yes, the next state over!), WSTJ 1340. This is only the third one I've heard in 16 years from Rochester. I've heard more from Spain than Vermont! Congratulations to DX Australia, which celebrated its 10th anniversary in July.

A reminder that the IDXD deadline is one week before the Topeka deadline. Try to get it to me on Friday.

TRANS-ATLANTIC

- 549 ALGERIA Oran/Les Trembles 6/11 0345
 Bits of Arabic chant, mostly just a loud het on 550 domestics. [MC-MA]
- 639 SPAIN La Coruna 7/27 0350 Het, bits of Spanish talk. [MC-MA]
- 855 SPAIN Murcia et al. 7/27 0347 Spanish talk, music, in WHDH slop. [MC-MA]
- 882 ENGLAND Washford 7/27 0344 Surprisingly loud with English talk, rock
 music. This shows that, at least when
 dry "summer polar air" is in (and thus a
 little QRN), the new TA DX season can
 start in late July in the northeastern US.
 [MC-MA]
- 891 ALGERIA Algiers 6/5 0358 Arabic string music and vocals to good peaks. 6/11 0338 Arabic music, good. 7/1 0338 Fair with Arabic male vocal chant. [MC-MA]
- 1035 PORTUGAL Lisboa 7/27 0338 Pop music, Portuguese talk, fair with WBZ nulled. [MC-MA]
- 1305 UNID (probably Spain) 7/27 0321 -Growl of many co-channel carriers, not much audio discernable. [MC-MA]
- 1521 SAUDI ARABIA Duba 7/27 0350 Arabic acapella vocal (Koran), pushing past WWKB. This has been good in other years during the late summer. Dawn enhancement near the transmitter site may be involved. [MC-MA]
- 1530 VATICAN 7/27 0318 Chimes, then Vaticana mention and Slavic-sounding talk including a mention of Sarajevo. Often atop WCKY. This, like 1521, is often good in late July and in August. [MC-MA]
- 1539 GERMANY Mainflingen 7/27 0314 -Bits of German in bad WPTR slop. [MC-MA]
- 1548 UNID 7/27 0313 Arabic or Hindisounding music, in slop. Maybe an ethnic program on a UK local. [MC-MA] 1575 SPAIN/PORTUGAL/???? 7/14 0400 -

- A real jumble here, pips, Spanish talk (poor), QRMed by apparent Portuguese and another audio that might have been German. [MC-MA]
- 1584 SPAIN 5/27 0412 Good with man in Spanish. 7/1 0415 excited Spanish talk, fair. 7/14 0402 Good with news by man in Spanish. [MC-MA]
- 1593 GERMANY Langenberg 7/14 0403 -Poor with German talk. 7/27 0303 -Good with woman in German, then light music. [MC-MA]
- 1602 SPAIN 7/14 0406 Spanish talk, poor in WUNR/WWRL slop. [MC-MA]
- 1611 VATICAN 7/27 0307 Poor with religious choir music, hetted by Anguilla 1610. [MC-MA]

ZYI - 894



OM 1.510 - KHZ

RÁDIO FLORIANO LTDA.

Rua Clementino Ribeiro, 56 · 20. Andar C, P. 39 Telefones 522 · 7441/572-1207 - Telegrama DIFUSORA CEP 64:800 - Floriano - Floui PAN-AMERICAN

- 750 NICARAGUA R. Sandino, Managua Back on (assuming they were off recently) with calls YNRS (at least that's what it sounded like) mentioned at their midnight (0500) sign off, and now called "La S Grande". [CD-FL] (WRTH says calls are YNARS Jim)
- 780 VENEZUELA R. Coro 7/16 0445 Strong in WBBM null with slogan and time check between musical selections. [JR-NY]
- 1020 VENEZUELA Mundial Margarita 7/15 0745 - Heard with "Mundial" ID after music: weak in KDKA null. [IR-NY]
- 1375 ST. PIERRE ET MIQUELON 7/1 0350 -Good with female opera vocal, then French talk by man. [MC-MA]

STATION NEWS

- ALBANIA: Durres 1098 has been off its regular frequency 1089 for several weeks. [Horst Rauch via BE in ARC #2]
- AMERICAN SAMOA: WVUV Pago Pago back on 648 after the cyclone last December. [R. Nederland Media Network in WDXC 7/92]
- ANTIGUA: VOA is off the air. A Finnish DXer, Lauri Levanto, has visited the island and heard this info from a former technician of the station. [SDXL in ARC #2]

AUSTRALIA: 3EE signed on the air 7/3. 200 1575 to leave AM for FM on July 22. 2WL 1314 to leave for FM on August 1. 2NX 1341 left the air on June 27th. 4AVA Gold Coast has closed down, apparently during 1991. The station had been broadcasting on 1656 kHz. [DX Australia 7/92]

COLOMBIA: Stations observed off frequency: 1333 Caracol Popayán, 1372.9 RCN Cauca, 1433 La Voz de Belalcazar. [YHG in PDX in ARC #2]

DOMINICAN REPUBLIC: HITS Radio Enriquillo was ordered on 2/14/92 by the government to stop airing Creole news reports. The news program "Nouvelles d'Haiti" began broadcasting a few days after the coup d'etat in Haiti in 1991. To get around restrictions, R. Enriquillo staff have begun to sing news reports and communiques. [IRCA in ARC #2]

GERMANY: R. Volga, serving the remaining units of what was the Soviet Army, is now hiring out air time to other stations. Since 1st May, the German satellite news station Radioropa-Info has been using the 200 kW transmitter located at Burg; it is broadcasting in German on 261 kHz, Mon-Sat 0500-0700, 1000-1200 and 1400-1600, Sun 1300-1600 and 1800-2100. A 90 minute program from Radio Volga itself is broadcast 1130-1300 Sundays. [R. Nederland Media Network via Communication #211] RIAS 999 has now added a transmitter in Schwerin, power 50-100 kW. [BE in ARC #2]

ITU: The following states are now official members of the International Telecommunication Union (ITU): Armenia (ARM), Azerbaijan (AZE), Belarus (BLR), Estonia (EST), Georgia (GEO), Kazakhstan (KAZ), Kirghizia (KGZ), Latvia (LVA), Lithuania (LTU), Moldava (MDA), Russia (RUS), Tadzhikistan (TJK), Turkmenistan (TKM), Ukraine (UKR), and Uzbekistan (UZB). The Republic of Croatia (HRB) and Slovenia (SVN) are also now members. Abbreviations are the official ITU country codes. [ITU and Benelux DX Club in WDXC 7/92]

KALININGRAD: A WRTH collaborator in St. Petersburg has been able to obtain power figures for the transmitter at the Bolsakovo site: 171 1200 kW, 1143 150 kW, 1215 1200 kW, 1386 2500 kW. The figure for 1386 could be ERP, though all other figures appear to be transmitter outputs.

MEXICO: XENO 640 La Voz de la Proviencia 10/5 kW, ex 1580. Also, the Commission on Radio and TV is now selling the government owned TV stations and will soon sell government owned AM and FM stations as well. According to a constitutional amendment last December, "the church has the right of access to the media of communication". This means religious radio is not far off. [IRCA in ARC #2] (The Mexican Revolution restricted and/or removed many church privileges - Jim)

RUSSIA: A WRTH collaborator in St. Petersburg has been able to obtain power figures for these transmitters: Popovka (near Krasnyi, southeast of St. P.): 234 1000 kW, 549 1000 kW, 801 1000 kW and 1494 1200 kW; Olgino (northwest of St. P.) 198, 873 and 1125 150 kW each.

SPAIN: RNE R5 Murcia 567 now 50 kW. [Horst Rauch via Play DX-699 in ARC #2]

UNITED KINGDOM: Independent Music Radio, London has been testing with pop music and announcements every 30 minutes on 1215 kHz, regular programs to begin in 1993. 1197 will also be used. [BE in ARC #2]

HELP FROM SWEDEN

Concerning Jean Burnell's recent loggings on 1431 and 1386, from Olle Alm: The only possible CIS station for 1431 is Mikolaviv. Ükraine, which is parallel 4940. Has Kiyev 3rd Program to 0000 summer UTC, then Majak program // 1449. (Horst Rauch via BE via ARC #2 notes that VOA programs in Ukrainian are heard here 2000-2100 - Jim). Radio Ala 1386 recently noted from 0200 via Bolsakovo site in Kaliningrad (2500 kW). Greece opens before 0300 only on Monday mornings. Times are summer UTC. Olle, who is a member of NRC and Arctic Radio Club, also notes that the Scandanavian totals recently printed here in IDXD are for stations verified - even more impressive! Thanks, Olle.

CONTRIBUTORS

[JR-NY] Jim Renfrew, Rochester NY; HQ-180, Radio West loop.

[CD-FL] Chris Dunn, Pembroke Pines FL

[MC-MA] Mark Connelly WA1ION, Billerica MA; Drake R8, Realistic DX-440, two 20 meter wires in noise-reducing configuration, phased with MWDX-5, RTL-1A Loop, MWT-2 Tuner also used.



Here follows a report from Ben Dangerfield's most recent trip to Morocco and Southern Spain. In additional to observations about specific stations, Ben notes that "a great many stations over there are somewhat directional judging from the 2-tower set-ups I saw." He also reports that "it is quite interesting listening between synchros. You get an echoing, fluttery effect", and that there are few stations north of France audible at night. He noted no TA hets during this visit.

540 MOROCCO, Sidi Bennour - located just north west of Marrakech, and is strong up into Spain day and night.

549 ALGERIA, Les Trembles - semi-local at Torremolinos (where we spent a week, just west of Málaga).

594 MOROCCO, Ouida - strong at Fes, Morocco and Torremolinos, Spain.

603 SPAIN, Sevilla, RNE-5 - Strong days at Rabat, Morocco and at Malaga.

612 MOROCCO, Sebaa-Aioun, R. Mediterranee Int. - FF and AA, seems to be directional between Fes and Tangier. The only MW station on now for R. Med, also heard near Málaga.

684 SPAIN, Sevilla RNE - this powerhouse heard everywhere in this area from Rabat to Malaga.

The transmitter is on a hill just west of the city. Surprisingly at night they are sometimes covered by Belgrade, Yugoslavia at Torremolinos.

702 MOROCCO, Sebaa-Aioun - the towers are west of Fes, near Meknes. I saw the complex which is used by 612, 702 and 1044. Directional. This is a Berber language and music station and apparently changes patterns at night. At Fes it sounds local in the afternoon, but far away in the evening.

792 SPAIN, Sevilla SER - strong days at Rabat and Málaga.

828 MOROCCO, Oujda - SS and FF, strong at Fes and Torremolinos.

936 MOROCCO, Agadir - this one's a puzzle. I didn't hear it anywhere inMorocco, nor did I hear it last year from Madeira.

891 & 981 ALGERIA - heard days with weak signals at Torremolinos.

1008 SPAIN, Granada, RNE-5 - that's who's hear now. Fair at Torremolinos. Malaga now on 1152. (Jean Burnell, take note!)

1044 MOROCCO, Sebaa-Aioun - strong at Fes, being local, and fair at Torremolinos. Seems directional east-west.

1052 MOROCCO, Tangier - Strong along the Moroccan coast and pretty good at Torremolinos. I saw 2 towers on the coast which looked to be north-south. Nearby is the VOA complex.

1152 SPAIN, Malaga, RNE-5 - now here from 1008. A synchro now. Has changed places with Málaga.

1233 MOROCCO, Tangier - not on the air anynore. I saw two towers in the city.

1349 MAURETANIA, Nouakchott - tremendous signal at night in Rabat.

1458 GIBRALTAR - I logged this one from the ferry coming into Algeciras which is across the harbor from Gibraltar. I visited Gibraltar a few days later and I think I spotted the towers atop the rock. There is no signal from this station in Torremolinos, perhaps because the town of Gibraltar is on the west side of the Rock and Torremolinos is 100 miles east. However I did log this one at both Sevilla and Rabat, so it must be quite directional. Lots of rock music (no pun intended!).

1485 SPAIN, Cádiz - was atop the frequency in the daytime at Rabat even with a Casablanca station only 60 miles south on the same frequency. Speaking of Casablanca, we visited Rick's American Cafe! It's located in the Hyatt Regency.

1566 MALTA - very strong nights in AA at Torremolinos.

Are you expiring?

We hope not! To avoid expiration, mail your remittance to the DX News Membership Center early. Allow at least three weeks after mailing your check or money order for new renewal data to appear on your DXN mail label.

NRC Coffee Mug

Nine-ounce size ... white glass ... with NRC emblem printed in black on both sides. It's oven-proof and microwavable. Makes a great gift. \$5 to U. S. addresses, \$5.75 to Canada. Order from NRC Publications.

(NV residents, add sales tax).



FM DX

Digest

Todd Brandenburg, KAØKAN 9720 NW 31st

Silver Lake, KS 66539-9403

DX on the FM band, from April through September

Hello again, everyone. It looks like the Eskip has died for the time being, as I haven't heard about any since late June/early July. Even 6m (50 MHz) has been dead.

I got in on some of the tropo that Mike Hawk had such a bonanza with, but I had some prior engagements that kept me away from the radios more than I would have liked.

Paul's next deadline is 18 September, and I would like to ask that your loggings arrive in Silver Lake by Wednesday the 16th. This will be the last edition for 1992, so any loggings received after then will be old and decrepit by next April when the column will resume.

73 until next time around.

Eric Bueneman, 631 Coachway Lane, Hazelwood, MO 63042

Equipment: Realistic STA-90 AM/FM/FM\$ receiver with amplified rabbit ears.

8.3.92 groundwave

1200 89.5 KCFV MO Ferguson- very good with legal ID into New Wave, The Wave of the Future' slogans. First day back after two-month hiatus, hours are 0600- 2400 CLT Mon-Fri, 0800-2400 Sat and Sun.

8.6.92 Tropo

1730 95.9 WCNL IL Carlinville- good with SMN CWM, 'Macoupin County's Very Own slogan, mention of CL's in local ad. Follow up to reception of WRVI-96.7 on 95.9 7.9.92: WRVI is the flagship station for the Springfield Cardinals of the Class A Midwest League, and WCNL is the Carlinville affiliate (affiliated with the St. Louis Cardinals).

FORMAT CHANGE:

89.7 KYMC Ballwin, MO- Is slowly phasing out New Wave in favor of "familyoriented programming". Don't know whether it would be religious programming or something more commercialized. Several program directors and DJ's were fired from the station because the programming that was aired wasn't up to the standards of KYMC's owners, the YMCA of West St. Louis County, MO. (Thanks for the enclosed article, Eric. Photocopies as a rule don't print well. -trb)

I might as well give you the combined final

KEZS·FM103

totals from Woodstock and Marietta, GA. Total heard was 155, with 11 verified from 26 states and two Mexican Estados, but no Canadian provinces. I'll do better with E-skip from Canada here. I had four of them (PO. ON, MB and SK) heard at the old QTH. Also heard from GA was Mexico's Distrito Federal.

In addition to carrying Springfield Cardinals baseball, WCNL-95.9 simulcasts some programming from WRVI-96.7, but carries SMN CWM otherwise. Former St. Louis 'shock jock' J.C. Corcoran (ex-KSHE-94.7 & KSD-93.7) is now on television, working for KMOV-TV 4. 73, KDX0STL.

Mike Hawk NOOSY, 10212 P St., Omaha, NE 68127

Equipment: Kenwood KT-815 w/ 4- 150 kHz filters, FM-10 at 30 ft, R.S. rabbit ears for

Although E-skip was terrible again, tropo was great. 30 stations were heard at distances over 400 miles! KEEY could be heard with just a 1 foot piece of coax connected! 99 new stations were heard over the 5 days.

8.7.92 Tropo

1100 97.5 KQSK NE Chadron- country 1104 102.1 KPNY NE Alliance- rock

1110 88.1 KRSD SD Sioux Falls- Public Radio

2220 91.9 KQSD SD Lowry- SD Public Radio

2225 91.1 KTSD SD Reliance- // 91.9 above

2226 92.9 KSDR SD Watertown- KS-93 2227' 94.5 KPLO SD Reliance- country

2237 88.9 KNSR MN Collegeville

2239 90.9 KDSD SD Pierpont- // 91.1 and 91.9

2245 102.5 KZSD SD Martin- // 90.9, 91.1 & 91.9

8.8.92 Tropo

0013 91.5 KRNE NE Merriman-Nebraska Public Radio

0027 92.1 KGTR SD Huron- weak ID, NOT on 99.1

0100 88.9 KMPR ND Minot- sign off of Prairie Public Radio, new state

0100 89.9 KDPR ND Dickinson-sign off

0114 92.7 KGFX SD Pierre- rock, KG-93 0124 91.3 KRSU MN Appleton

0134 106.1 KQLX ND Lisbon- country, in over 18 hours straight!

0157 105.3 KZMC NE McCool- rock, over KGFE 0200 90.5 KGAC MN St. Peter- APR & ID

0204 89.1 KAUR SD Sioux Falls- rock 0213 105.5 KMGM MN Montevideo- oldies

0218 102.1 KEEY MN St. Paul- country, in over 20 hours straight!

0253 106.3 KVHT SD Vermillion- "Hot 106.3 Vermillion, Yankton, Sioux City 0328 107.1 KGWB Wahpeton- SNN news/ID. Not on 106.9 vet

0400 89.5 KWGS OK Tulsa- BBC news 0401 89.7 KMSU MN Mankato- Maverick

net 0724 105.1 KLTA MN Breckinridge

0727 96.7 KKSR MN Sartell-Star 96.7 0731 99.7 KKCK MN Marshall- rock, ID

0734 102.5 KDVL ND Devils Lake

0743 107.5 KLIZ MN Brainerd 0753 94.9 KOAA SD Aberdeen- Cool 95

0816 102.9 KBWS SD Sisseton-country

0823 96.7 KDOG MN Mankato, rock 0825 95.9 KILR IA Estherville- old rock

0839 92.1 KOWO MN Waseca- ID

0841 98.1 WWIO MN St. Cloud- 98 Country

0900 105.5 KIWA IA Sheldon

1045 97.5 KDKK MN Park Rapids

1054 92.1 KLOP MN Madison, CNN news

1100 91.9 KDSU ND Fargo- jazz

1101 91.3 KMHA ND New Town

1103 97.9 KFNW ND Fargo- gos

1121 107.5 KIKI ND Grand Forks- "The Valley's Rock 108"

1146 96.5 KJJK MN Fergus Falls- The New KI-96

1148 95.7 KKOK MN Morris

1157 99.5 KSIN MN Minneapolis- cla

1209 93.5 KSCR MN Benson- ID

1211 92.5 KORS MN Golden Valley- KO-92

1215 101.3 KDWB MN Richfield- rock, ID

1216 97.1 KTCZ MN Minneapolis-STRONG (into KS also-trb)

1233 104.1 KJJO MN St. Louis Park- KJ-104

1234 98.3 KVMU? IA Emmetsburg- calls sounded like KVMU, but couldn't find any record of them changing from KEMB. (neither could I- trb)

1238 95.9 KQCL MN Faribault- Power 96

1242 89.3 WCAL MN Northfield-cla 1244 107.9 KQQL MN Anoka- Cool 108

1258 95.5 KCHK MN New Prague

1305 93.1 KXLP MN New Ulm- Classic 93

1311 97.7 KGCI IA Grundy Center- "The Adult FM, K-98"

1314 97.9 KCMR IA Mason City

1333 96.3 WJMC WI Rice Lake- Brewers baseball

15 1340 102.9 WLTE MN Minneapolis- Light FM 1401 95.5 KSTP MN St. Paul- ID 1427 99.5 KOLY SD Mobridge- country 1543 107.5 WJOD IL Galena- country 1617 94.3 WPRE WI Prairie du Chien-Brewers vs. Twins baseball 1629 105.1 WOJO IL Evanston- in Spanish SD Watertown-country 1737 96.9 KDLO MN Wilmar- Q-102 1750 102.5 KQIC 1807 88.7 WRFW WI River Falls- rock 1824 102.3 KCZO IA Cresco-Super C 2010 107.5 WCCN WI Niellsville- Classic Rock 107.5 2029 102.3 WTAZ IL Morton- Talk Radio

2019 100.5 WYMG IL Jacksonville

2020 99.1 WIAI IL Danville- country

102

2041 102.5 KKUZ MO Joplin- rock

2043 107.5 WZZO IN Terre Haute- rock

2109 96.7 KWWK MN Rochester- country, hasn't changed freq. yet.

2145 97.5 WZOK IL Rockford- 97-ZOK

2204 96.3 KHLS AR Blytheville- ID 2205 96.3 KRIY MO St. Louis- Tuke Box

2216 100.5 KGMY MO Aurora-Мγ Country

2242 102.1 WDNL IL Danville

2301 91.9 WSSU IL Springfield 2302 89.1 WGLT IL Normal

2306 100.9 WQFL IL Rockford- cont chr.

2308 107.5 WGCI IL Chicago

2315 100.1 KJMO MO Jefferson City- FM-100

2344 96.7 WIHN IL Normal-Oldies 96.7

2353 102.7 KYTC IA Northwood- KY-102.7 (.7 ?! -trb). KFRX of air for maintenance until 0300

8.9.92 Tropo 0002 102.7 WJEQ IL Macomb- Classic 103

0025 102.7 WVAZ IL Oak Park- V-103

0027 105.5 WMMM WI Verona

0029 106.1 WJXQ MI Jackson- Q-106 0030 105.5 WDND IL Wilmington

0031 98.9 WVCX IL Tomah

0033 98.3 KQYB MN Spring Grove- 'KQ Hot Country

0040 106.1 WINN IN North Vernon- Win 106 0041 103.1 WJEZ IL Pontiac- weather

0043 100.9 WHOP IL Hoopeston- 101 Country

0046 107.7 WVCY IL Milwaukee- // 98.9

0048 104.7 WCFL IL Morris- Super CFL

0058 98.1 WMGN WI Madison-Magic 98

0100 91.5 KNGA MN St. Peter 0102 89.7 WONU IL Kankakee



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16				
0109	96.7	WYTE	WI Whitir	ng- K-White 96
0110	95.9	WKKD	IL Aurora	
0111	94.7	WOFM	WI Mosin	ee- ads
0120	105.3	KLYV	IA Dubuq	ue- K-Live 105
0131	99.3	WAJK	IL LaSalle	
0135		WLRT		kee- Lite rock
	93, m	y farthest	Class A he	eard
0152	104.3	WJMK	IL Chicago	o- ads
0155	96.3	WMLI	WI Sauk	City- ID with
	Madis	son		
0157	96.3	WBBM	IL Chicago	0
0158		WLS	IL Chicago	o, talk
0201	99.5	WPKR	WI Waup	un- country
0202	89.5	KQAL	MN Wino	na- signoff
0203	89.9	WORT	WI Madis	on-
0207	102.7	KQEQ	MN LaCre	escent- oldies
0215	95.7	WSPL	WI LaCro	sse- Mix 96
0757	107.1	WEAI	IL Lynnvi	lle
0759	107.7	KMJM	MO St. Lo	ouis- local talk
	show			
0800	94.7	KSHE	MO Cres	twood- K-she
	95			
0807	102.3	WRMJ	IL Aledo	
		WBBA	IL Pittsfiel	ld
8.10.9	92 Tro	ро		
0106	105.3	KXLK	KS Hays	ville- old rock
	(metr	o Wichita	- trb)	
0134	89.5	KOPN	MO	Columbia-

	(metro vvicnita- trb)
0134	89.5 KOPN MO Columbia-
	'Imagination 251 Station'. Neat 2
	minute jingle heard which gave
	address, freq., and even asked for
	money!
0820	97 1 WCOM WI Sparta Cow 97

0820	97.1	WCOW	WI Sparta- Cow 97
0823	103.3	WWRW	WI Wisconsin Rapids

0826 106.5 WLJY WI Marshfield

0827	107.9 WYCO	WI Wausau
0853	95.5 WIFC	WI Wausau
0900	99.3 KWAY	IA Waverly- Way FM
0922	101.1 WIXX	WI Green Bay- rock in
	stereo	

2145 97.1 KELN NE North Platte- rare. Strong product of KQKQ-98.5 and KGOR- 99.9 mixing.

2345 105.7 KFXB MO St. Genevieve

2353 94.3 KZMO MO California

8.11.92 Tropo 0022 103.3 KLOU MO St. Louis- Clue 103 Other St. Louis area stns on 88.1, 93.7, 98.1, 102.5, 106.5(IL) and 107.7 were heard.

8.11.92 meteor scatter

1831 97.5 WQBE WV Charleston- "WQBE, There's only one...'

2252 97.5 WCIZ NY Watertown- "CIZ-97, with a larger selection of..."

2339 97.5 KYBS t MT Livingston- "KYB_" (I'd count it, Mike. It's the only thing I can find that matches- trb)

8.12.92 meteor scatter

0144 97.5 WCOS SC Columbia- "Hi, I'm ... and when I'm in Columbia, I spess country W-C-O-S"

0833 97.5 WCSE? MI Bridgeman- "WCS? Bridgeman, the station...". Last letter sounded like a 'U' but is listed as 'E' (my books list the station but no calls- trb)

1434 97.5 WTGR t OH Union City- 'will lead Union City as they take on...'

1435 97.5 KDKK MN Park Rapids- will be held in the Park Rapids...



Bruce Elving's FM Atlas ... 14th Edition

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A one-year subscription is only \$25. Sample copy and back Issues of DXAS: \$3

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Formats

Tony Fitzherbert

Changes in programming status; reported by listeners

Welcome to the end of summer Formats column. Here are the creative ideas of the leaders within the radio business as they lock horns with their rivals in the unending chase for a "Good Fall Book". Often, the format switch entails firing the on air staff and hooking up to a satellite for some canned feed which has no local market relevance at all. And for us, here are the latest changes, as we dust off our equipment for the 1992 - 1993 DX season.

My annual railroad trip was a small one....to Boston, Baltimore, and Washington, DC. A trip on the Baltimore Metro to Owings Mills carries one right by the new site for WEBB-1360, whose three towers are next to the portal of the subway portion of the line. Further out along the route, the train passes the three tower array of WBAL-1090, and then, near the Owings Mills terminal, the four towers belonging to WBCM-680. In Washington, the three towers of WINX-1600 are right next to the Red Line of Metro and the MARC Brunswick commuter line, just west of the Rockville Station. I believe that WOL-1450 has a rooftop antenna which is very visible right next to the Red Line and Amtrak just outside Union Station.

Our contributors for this edition of Formats are Eric Bueneman, of St. Louis, Phil Boersma, in Spring Lake, MI., Mark Hattam (Middlesex, England, who has recorded some nice catches across the Atlantic), and the M Street Journal. And Tom Bryant, Production Manager at WSM notes that the station now carries the Interstate Radio Network overnights. Here we go.....

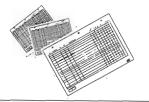
```
WDXN TN Clarksville
                              - Country music (EB).
                              - Country music, VOCM overnights (MH).
560
     CHVO NF
              Carbonear
590
     WKZO MI
              Kalamazoo
                              - News, talk (PB).
                              - Country music "590 - WLX" (EB).
     WWLX TN
              Laurenceburg
620
     WSUN FL
                             - News, talk, some // WIOD and WSB.
              St Petersburg
700
     KBYR AK
              Anchorage
                              - Talk (M).
                              - Country music, religion (EB).
710
     WKXB TN
              Smyrna
     WWNZ FL
              Orlando
                              - All talk (M).
770
     CHOR AB
              Calgary
                              - Easy listening, soon to be talk (MH).
                              - CWM//FM "3 D Country" (EB).
810
     WDDD IL
              Johnson City
                              - Urban oldies (M).
     WYJZ PA
              Pittsburgh
     CHQT AB
                              - Easy listening, news, information (MH).
880
              Edmonton
     WCER OH
              Canton
                              - Adult standards (M).
     CKBI SK
              Prince Albert - AC/Oldies (MH).
900
              South Pittsburgh
     WEPG TN
                                   - Drops country music for AC (EB).
     WRNL VA
              Richmond
                              - News, talk, sports (M).
910
920
     WKYD AL
              Andalusia
                              - Unis standards, talk (M).
     WINE CT
              Brookfield
                              - Still oldies, with CNN Headline News (TF).
940
950
     KDSX TN
              Denison
                              - Talk (M).
960
     KROF LA
              Abbeville
                              - Country, Cajun//FM (M).
     CHNS NS
960
              Halifax
                              - Oldies (M).
                              - "Rock 96" (M).
     KGKL TX
              San Angelo
                              - Drops long standing country format for oldies
     WMAY Il
              Springfield
                              - CNN Headline News (EB).
980
     WLMX GA Rossville
     WIOI OH
              New Boston
                              - Easy listening (M).
1030
     KDUN OR
               Readsport
                              - Country music (M).
     CFCN AB
               Calgary
                              - CHR (MH).
1070
     CHOK ON
               Sarnia
                              - Oldies (M).
     KING WA
               Seattle
                              - News, talk (MH).
     KBOZ MT
               Bozeman
                              - Country music, news, sports (MH). Nice catch!!
     WEBS GA
              Calhoun
                              - AC/CHR (EB)
1130
     CKWX BC
              Vancouver
                              - Country music (MH).
1140
     WAKK MS
               McComb
                                SMN country music (M).
     KSSO TX
1140
              Conroe
                                Gospel (M).
1170
     CHGY AB
               Red Deer
                              - Country music (MH).
1180
     WXLA MI
               Diamondale
                              - Black oldies (M).
              Van Wert
1220
     WERT OH
                              - Oldies//FM (M).
1220
     WCPH TN
              Etowah
                              - Country music (M).
1230
     ZFB Hamilton, Bermuda
                              - R & B, Reggae, Calypso, Gospel, religion at
                              night (MH who heard this in England).
1230
     WBOW IN Terre Haute
                              - Unis standards (M).
     KSUE CA Susanville
                              - Oldies (M).
                              - SMN AC (M).
1240 KEVA WY Evanston
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All for now! Please get your format changes in to your Formats column. Thanks to our contributors for a fine column. And good luck with the approaching fall DX season!

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Logsheets - By Frequency

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For Beginners

Jack Woods - P. O. Box 1003 Waldport, OR 97394-0514

Information and advice of interest to inexperienced DX'ers

The decibel

Few issues of DX News appear without some use of the term "dB". The purpose of this "For Beginners" article is to present some basic ideas about dB, and the term for which it is the abbreviation, the "decibel".

The word decibel originated in the telephone industry. Telephone engineers needed a unit of measurement of sound levels which would approximate the response of the human ear. The unit which met that need was the "bel" (named for the inventor of the telephone, Alexander Graham Bell).

One of the characteristics of the normal human ear is its response to a difference of sound intensities. If two sounds of the same pitch are heard one after the other, such that one sounds twice as loud as the other, the actual audio power of one is not twice but about ten times that of the other. That ratio is true for two sounds of low intensity, and also for two which are loud. This means that the response of the human ear is not linear. It is logarithmic. (For those readers who have not thought about logarithms for a long time, or perhaps never have, there is a brief introduction to logarithms at the end of this article). For now we will consider that the quantity, one bel, refers to the power difference between two sounds of the same pitch, one of which sounds twice as loud as the other; therefore there exists a multiplication of sound power by a factor of 10. The bel proved to be too large for convenient use, so it was replaced by the decibel, abbreviated dB, which is one tenth of a bel.

Mathematically speaking, when comparing two different sound powers, the number of decibels is equal to ten times the common logarithm of the ratio of the powers.

That is, $dB = 10 \log \frac{P2}{n1}$

The decibel is of course widely used in electronics and applies to radio frequency power as well as to audio power. Some decibel relationships are commonly used and should be memorized: if one power is twice as large as the other, that equals 3 dB. If the ratio is ten to one, that is 10 dB. For 100 to one, it is 20 db, and for a ratio of 1000 to one, 30 dB. When using decibels, we speak of gain or loss. If the input power to an amplifier is 1/100 of a watt {ten milliwatts} and the output power is one watt, the amplifier has 20 dB gain. If a length

of coaxial cable dissipates half the power input to it, and delivers the other half to the load, there is a 3 dB loss.

Note that in the preceding paragraph we dealt only with quantities of power, measured in watts. When dealing with voltage, the equation for dB is different. For voltage, dB equals 20 times the logarithm of the ratio of the voltages. Doubling of voltage represents a 6 dB gain. A voltage ratio of 10 to 1 equals 20 db, and so on. When working with decibels it is important to know if the stated gains or losses are power or voltage gains or losses. When comparing voltages, the decibel equation is valid only for voltages measured across the same value of impedance.

Logarithms

The following is a brief introduction to the subject of logarithms.

Logarithms are systems in mathematics in which multiplication is reduced to addition, division is reduced to subtraction, and large, cumbersome numbers are reduced to shorter, more easily used numbers.

Logarithms were introduced in the early seventeenth century. English mathematician John Napier is credited with their invention. Logarithms have been widely used in engineering work and in financial work for many years.

The logarithms most widely used in the study of radio and other communications are known as common logarithms and are based on the number ten. By definition, the common logarithm of any number is the power {exponent} to which the quantity ten must be raised to equal that number. For example, since 10 to the third power equals 1000, the log of 1000 equals 3.

Similarly, since 10 to the second power (ten squared, or 10 x 10] equals 100, the log of 100 equals 2. Now, since the log of 100 equals 2, and the log of 1000 equals 3, we would expect that the log of a number between 100 and 1000 would be a number with a value between 2 and 3. It will be found with the aid of the tables of common logarithms found in mathematics textbooks and engineering handbooks, or by the use of an electronic calculator. For example, the log of 279 is 2.45 and the log of 623 is 2.79. The numbers 279 and 623 can be multiplied by adding the two logarithms together and finding the

antilogarithm of the sum. The antilogarithm {written "antilog"] is the number corresponding to a given logarithm and is found by reversing the process of finding the logarithm. Division can be done by subtracting one logarithm from the other, and finding the antilog of the result. The slide rule, that device universally used by engineers for

calculations until made obsolete by electronic calculators, did multiplication and division of numbers by mechanically adding and subtracting their logarithms.

Again, logarithms are used in calculations related to voice communications because the response of the human ear to sounds of different intensity is approximately

In the Beginning John D. Bowker

The complete list of U. S. broadcast stations on the indicated frequency as published by the Federal Radio Commission in 1934. "S"= shared; "SH"= Specified hours; "T" = Transmitter location; "D" = Daytime operation only; "U" = Unlimited time

Frequency (kc)	Call letters	Main studio and transmitter location	Power	Time designation
1430, region- al.	WFEA	Manchester, N.H		U-Exp. (C. P. only).
	WOKO	Albany N.Y. (S.A.—Exp. See 1440 kc.)	500 w	Simultaneously Exp. with WCAH, WHP, WFEA, and WHEC.
	WHEC	Rochester, N.Y (S.A.—Exp. See 1440 kc.)		Simultaneously Exp. with WCAH, WHP, WFEA, and WOKO.
	WCAH	Columbus, Ohio	500 w	S-WHP night (si- multaneous D, WBAK, WHP)
	WBAK WHP WNBR	Harrisburg, Pa do T—Lemoyne. Memphis, Tenn	[500 w 1 kw LS	\S.H., D. ⁵⁷ S-WCAH night.
	KGNF KECA	North Platte, Neb Los Angeles, Calif	500 w	D.



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NRD-525 AGC Mod ... by Dallas Lankford

As is well-known, an unmodified NRD-525 suffers from several serious AGC problems in AM mode, namely muffled (distorted) audio due to audio on the AGC line, hanging of the AGC due to noise spikes and other strong signals of brief duration, and inappropriate release times which cause poor audio quality for strongly fading SW signals and MW graveyarders.

A number of mods for the NRD-525 AM mode AGC problems have been suggested in the past. But none of the previous AGC mods have been arrived at from an understanding of the NRD-525 circuitry, and none of the previous modifiers reported measurements of the modified AGC attack and release times. Apparently those previous mods were arrived at by tinkering with component values, and the effectiveness of those previous mods was determined by subjective evaluation rather than measurements of attack and release times using lab equipment. By contrast the AM mode AGC mod I will present in this note was arrived at by a mathematical analysis of the NRD-525 AGC circuitry, followed by a computer simulation using circuit analysis software, and the attack and release times were measured using a lab grade signal generator and a lab grade scope. The end result is the best AM mode AGC mod available at this time for the NRD-525. My mod is also much simpler than previous mods, and requires only the removal of one surface mount resistor and the addition of two jumper wires to the pins of an integrated circuit.

About 9 months ago I suggest an NRD-525 AM mode AGC mod in my article "NRD-525 AGC Med, Preliminary Version 2, August 16, 1991." The basic idea was to disable the AM branch of the AGC circuit and to use the SSB/CW AGC circuit in all modes. The mod was untested because I had no NRD-525. Recently Russell Scotka sent me his NRD-525 to try out my ideas.

In the previous note I suggested removing R104, jumping pins 3 and 4 of IC7, and removing C78 and C79. This is what I tried first. But bad low frequency audio distortion in the FAST AGC setting was observed. The release times were measured and found to be about 25 mS for FAST and 500 mS for SLOW, much faster than my mathematical analysis and software simulation had suggested. Apparently there is a discharge path internal to IC9A equivalent to a 500K ohm resistor. In any case, this demonstrates the importance of measuring the results of any modification.

When C78 and C79 were restored and pins 8 and 9 of IC7 were jumped, the measured release times increased to 100 mS for FAST and 2 seconds for SLOW, which is about optimal. And no low frequency audio distortion was heard on received signals in either FAST or SLOW.

Consequently, the good news is that reception quality using the NRD-525 AM mode can be made much better (and much better than ECSS) by removing one surface mount resistor (R104) and adding two jumpers to pins of IC7 (pins 3&4 and pins 8&9). With these changes, AM FAST AGC is now excellent for fast bandscanning and for DXing steady or moderately fading signals, and AM SLOW AGC is now excellent for strongly fading SW signals and for nighttime MW graveyarders provided not much thunderstorm static is present. Of course, any AGC with a 2 second release will hang briefly on strong noise spikes, and this SLOW AGC is no exception.

The bad news is that the SSB/CW AGC (which is now also the AM AGC) has rather bad overshoot. This is not a problem for AM signals. And, curiously, there is no audible pop or click on initial SSB transmissions as is often the case with overshoot. The NRD-525 also has undershoot on FAST release in SSB/CW mode. No audible evidence of the FAST release undershoot was observed on AM or SSB/CW signals. Because there was no audible evidence of the overshoot or undershoot in any mode, I did not try further modification to eliminate them. Perhaps the overshoot could be reduced or eliminated by replacing R103 with a higher value resistor. But tinkering with different values for R103 is not a good idea because a PC board trace goes underneath R103.

Russell Scotka has told me that he is very pleased with the improved AM performance of his "new" NRD-525. Before I modified the AM mode AGC of his NRD-525 he used ECSS for AM reception because of the original AM mode AGC problems and related poor AM mode audio quality of received signals. Now that the AM mode AGC problems have been eliminated with my mod, Russell has found that the AM mode provides much better audio quality than the tinny sounding ECSS he used previously. Curiously, Russell said that his NRD-525 passband tuning now works much better in AM mode than before. I have no explanation for why my AM mode AGC mod should improve the performance of NRD-525 passband tuning in AM mode, but apparently it does.

Musings

of the Members

Dave Schmidt

P. O. Box 11502

Wilmington, DE 19850-1502 Times are local per Muse.

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.

KEN ONYSCHUK -13602 WENTWORTH AVE. #3 - RIVERDALE, IL 60627 My new phone # is 708-841-6381, deily 5-10P(CDT) and weekends. I'm hoping to catch a ride to Omaha on Labor Day weekend, sharing the gas and good conversation is what I can offer. I'm taking a few weekend vecations via the Metro train. So far I've gone to Harvard, IL (Near WI line) and Kenosha, WI. Harvard was good as the park was near the train station and I was able to do a good AM-FM bandscan and hear some IDs for the first time, can't count them but the sirchecks were nice! I went to Kenosha last Saturday but in packing things in a small suitcase and a heavy duty bag, I forgot to the cassette tapes in, that hurt! So I was stuck with taking just notes. I set up my gear on a picnic bench on the Lake Michigan shore in Simmons Island Park for a few hours, then later at Eichelman Park, 1 mile South. DXing was interesting but the mean 20 MPH East wind/mid 60's temp. made things a little chilly for July. Of the most desired stations, WGHN-1370 was heard with WLTH nulled tightly w/CBS basebell (I didn't think WGHN was a CBS affiliate). Even locally WMAQ, a CNN affiliate, cerried a CBS Saturday night game from San Diego recently. I guees CBS has the option to "farm" the national broadcasts. Even WJJD-1160 carried the CBS games a few years ago. What's the NY-LA situtation like? Continuing, I did try hard For WWEZ-1520 though I noted WLUV S WKVI. Also noted on 1520 "EZL music on 101.7 WQWQ", what's going on with legal ID's? Before I forget, on the 14th (July), WJPC-950 dropped its simulcast with 106.3 and is now playing "clean rap" and is Chicago's only rap station, it was desperate for better ratings. The train has many routes and for \$5 weekends you can ride it anywhere. Before closing, I enjoyed the baseball network lists. I am now working at a local family owned machine shop. Anyway, I'm looking forward to the convention and, hopefully, to share a ride! Have a good summer, friends!

BILL TOWNSHENG - 4500 CONNECTICUT AVENUE NW #901 - WASHINGTON, DC 2000B-4326 I'm way past due for my annual re-intro. I'm 61 (Fran O'Brien's number while on the Redskins in early-mid 1960s), single 6 live on the top Floor of a nine story yellow brick pile (not road-hi!) in upper NW BC and work as a computer programmer for the National Weather Service (don't blame me for the weather-hi!) on the 3rd floor of en 8 story pile of concrete, steel and glass (a real AW DX buster, FM not affected) 15 miles/24 km south of my den. I do most of my FM DX at the office just after arrival since my home is an image jungle due to many FM transmitters nearby. I wonder how the highly touted McIntosh MR85 would perform in the Betheads-Chevy Chase area where most of the transmitters are located. Not much on the AM DX Front since the DX Tests ended in the early spring. I celebrated my 51st birthday lest May with a walk from my locale to the new Orioles playground, Oriole Park at Camden Yards via Glan Bernie (evernight) and Fort Mc-Henry. In late June, I took advantage of weather to gool for the pool and did m 3 day 130 mile trek through southern Maryland including Solomons Island, which I visited the first time in 1938 when I was 7, I didn't hoof it 130 miles at that time [hi!]. I plan to be at the NRC convention in Omeha in early September If there is no WADXA gethering this year (the last one was in late October 90), the WADXA is considered to have folded after 12 years. LXXIII's

SHAWN AXELROD - 30 EECONTREE BAY - WINNIPEG, MB HEN EXS Greetings from the Great White North where everything is green, very green! We have had more rain in the last 2 months than we have had in about 4 years. Unfortunately the DX has been the worst in the lest 5 years. 2 trips to the Valhalla Beach sight netted on 1 new catch. The PLAM or Phase Locked AM board mentioned previously has been tested out well. The board is well worth the price as it does make a difference. The New Zealand catch on 756 would have been nothing more than a het except for the PLAM board. The board is produced by ESKA S. WDVIS in Sweden and makes the old Itom 870 into a new rig. The board, once engaged, locks onto the signal when you are in the sideband mode of your choice. By using the PBT on the Icom, you can really make the signals peak. Several times now, Cayman Islands-1555 has been made quite clear with the PLAM board. This is truely the ultimate add-on for Icom & NPO users. Now if conditions would improve so I can go after some good DX, I will be very happy. Watch out for new loggings once the new season gets underway in September. Take care & best of DX to all of you, 23

DAYE SCHMIDT - P 0 BOX 11502 - WILMINGTON, DE 19850
This is everything reteived thru the 14th and our next deadline will be the week prior to the publication deadline. It looks like the meil is taking 2-3 days to get here from just about anywhere in the US as keep that in consideration when sending in reports. No additional news on any of the CP's pending for the area, WIFI-1460 is still not on regular scheduled but has been running ET's again. And that is it, see you in a couple (of weeks, that is!) 73

NRC DXCon - '92 in Omaba

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But plan NOW to attend; the convention is just a few days away, September 4, 5, 6. Your hosts: Ernest Wesolowski, Carl Mann, Curn Chadwick, Mike Hawk, Neil Zank, Bob McCoy, Lonnie Merritt, Dan Bartek, Bob McCoy, and Skip Dabelstein.

Can't make it? Why not call and say hello to your friends at the convention Saturday morning, 9:30-11:30 CDT at (402) 345-2222, and ask for the Nebraska Room. No collect ealls!



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