

DX NEWS

The magazine of the National Radio Club

-SINCE 1933 -

Volume 58, No. 3- October 22, 1990 (ISSN 0737-1659)

Inside ...

- 3 .. DDXD-E
- 8 .. DDXD-W
- 9 .. Stevenson Log 10 .. Half-Breed Rx
- 11 Radio Roundup
- 12 .. Digital Broadcasting
- 14 .. Formats
- 15 .. R-390 AGC Mods 18 .. In the Beginning
- 19 .. Bandscans
- 21 .. Freq. Deviations
- 22 .. Musings
- 23 .. Tower Tips
- 24 .. Are you expired?

	CPC Calendo	ar
Date	Station	From/To (EST)
Nov. 4	WITZ-990	5:30/6:00 AM
Nov. 4	KVOX-1280	6:00/6:30 AM
Nov. 4	KLEY-1130	6:30/7:00 AM
Nov. 11	WSYB-1380	5:30/6:00 AM
Nov. 12	WARU-1600	2:00/2:30 AM
Nov. 12	KRXY-1600	2:30/3:00 AM
Nov. 12	KORN-1490	5:00/5:30 AM
Dec. 1	KLER-1300	7:45/8:00 AM
Dec. 3	KOJM-610	2:10/2:30 AM
Dec.10	KUMA-1290	3:05/3:30 AM
Dec. 16	KTIL-1590	3:00/3:30 AM
		/

WITZ-940, P.O. Box 167, Jasper, IN 47546 will present a Special DX TEST on Sunday November 4, 1990 from 0530 to 0600 EST. The test will consist of tones, music, voice and Morse code ID's. Our thanks to Mr. Gary Lee for conducting this test arranged by the Colorado CPC Machine for the National Radio Club.

KVOX-1280, P.O. BOX 97, Moorhead, MN 56561 will present a unique DX TEST on November 4, 1990 from 0600 to 0630 ELT. A special announcement for the National Radio Club will be aired during this time period. This announcement will contain a Morse code ID. This will be mixed with KVOX's normal music programming. KVOX will be using its nighttime facility. Our thanks to Mr. Bob Holtan General Manager for this fine opportunity! Arranged by the Colorado CPC Machine for the National Radio Club

KLEY-1130, KLEY Drive, Wellington, KS 67152 will present a special DX TEST on Sunday Morning November 4, 1990 from 0630 to 0700 EST. This test will consist of test tones, march music, voice and Morse code ID's. Our thanks to Mr. Vernon Napier, Chief Operator for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

WSYB-1380, P.O. BOX 249, Rutland VT 05701

will conduct a special DX TEST on November 11, 1990 from 0530 to 0600 EST. This test will consist of normal AdCon music program with interspersed voice and Morse code ID's. Our thanks to Mr. Tom Elmore for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

WARU-1600, P.O. BOX A, Peru, IN 46970 will conduct a DX TEST on November 12, 1990 from 0200 to 0230 EST. This test will consist of Voice ID's, Code ID's and March music. We would like to thank Chief Engineer Mr. James L. Swearingen for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

KRXY-1600, 7075 W. Hampden Ave. Denver. CO 80227 will conduct a SPECIAL DX TEST on November 12. 1990 from 0230-0300 EST using 5000w non-directional. The test will contain both Morse Code and Voice ID's. KRXY will be silent for the preceding 1/2 hour and will be conducting routine maintenance. Our thanks to Girard M. Westerberg Chief Engineer. Arranged by the Colorado CPC Machine for the National Radio Club.

KORN-1490, 319 North Main, Mitchell SD 57301 will conduct a Special DX Test on Friday Morning November 16th from 0500 to 0530 EST. Test details will follow. Our thanks to Mr. Joseph (Continued on page two)

DX Time Machine

From the Pages of DX News

50 years ago ... from the Oct. 26, 1940 DXN: TP's being heard by Joe Brauner, Williamsville, NY, included 4QS and 4BH on Oct. 21, and heard by Steve Mann, Lakewood, OH, were 2YA, 4QN, 2NR, 3YA, 2BL, 4QS, 3LO, 4QG, 3GI, 4YA, 2YC, 2CY, and 1YA.

25 years ago ...from the Oct. 23, 1965 DXN: John Callarman, Pampa, TX, bagged KICY-850 at 4am 10-11, plus Alaskans on 730 and 660.

10 years ago ... from the Oct. 20, 1980 DXN: Heard by Joe Brauner, Punxsutawney, PA, was KCAD-1560 Abilene, TX on 9-22. R. Shields for this test. Arranged by the Colorado they're not desireable ... so let's get the radios CPC Machine for the National Radio Club.

KLER-1300, P.O. BOX 32, Orofino, ID 83544 will conduct a special DX Test on Saturday morning December 1, 1990 beginning at 0745 to 0800 EST The test will consist of tones, voice and Morse code ID's. Our thanks to Mr. Jeff Jones. Station Manager. Arranged by Colorado CPC Machine for the National Radio Club.

KOJM-610, P.O. BOX 7000, Havre, MT 59501 will present a special DX test Monday Morning December 3, 1990 between 0200 and 0230 EST This test will contain Morse Code Id's and other programming. Our thanks to Rob Yaw, Chief Send me names and addresses and I'll be happy Engineer, for conducting this test. Arranged by to send complimentary copies of DXN to potential the Colorado CPC Machine for the National Radio members.)

97801 will conduct a special DX Test on Sunday sion via modem and telephone line as per my morning December 10, 1990 beginning at 0305 request in #1. I would still appreciate your input EST. This test will consist of a special public in this area. I've discovered that "Prodigy" is service announcement for the National Radio useless for downloading text, for example, as it is Club. There will be Morse Code ID's contained graphics- rather than text-based. If you've had with in the announcement. This will air two or experience with CompuServe or America On-Line more times between 0305 and 0330. KUMA will be or other easily-accessible bulletin boards, please broadcasting NBC TalkNerat this time. Our thanks write. I'm trying to find the cheapest, quickest. to Mr. Greg A. Smith General Manager. Arranged and best way for editors and others to send text to by Colorado CPC Machine for the National Radio me for DXN. Club.

will conduct a special DX TEST on Sunday Morn-your area for the upcoming 4th Edition FM Station ing December 16, 1990 from 0300 to 0330 EST. Address book. Send updaters to the present book Test will consist of Music and ID's. Our thanks to and in addition include format, network, a tele-Mr. Van Moe President for this test. Arranged by phone number (studio or office) for each station in the Colorado CPC Machine.

From the editor ... Jerry Starr has been on vacation, if you've been wondering where "AM Switch" has been. Jim Renfrew's postcard said, simply, "No reports received - so no IDXD. Hope to have something in next week!" And "Musings of the Members" is down from its usual length. NRC FM Updates - P. O. Box 24 - Cambridge.wI Although short columns in October are normal, 53523-0024. Thanks,

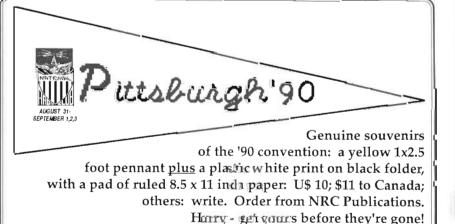
warmed up and pencils sharpened and reput!

Don't forget Rick Dau's GTG in Iowa City on November 3. There's a better-than-50% charace that Topeka will be represented; if anyone wants a ride, contact me. We'd be leaving early Saturday

They joined ... John Hart, San Francisco, CA: Tom Walsh, Bedford, MA; David R. Alpert, New York, NY; and Kurt W. Neunzig, Topeka, KS (and Todd and I are working on at least three more active DX'ers in our area, trying to persuade them to join the NRC. Why not join us in recruitment?

Fred Vobbe sent some information (much KUMA-1290, P.O. BOX 340, Pendleton OR appreciated, thanks) concerning text transmis-

From the GM ... Mike Knitter would like your KTIL-1590, P.O. BOX 40, Tillamook, OR 97141 help in gathering information on FM stations in your area. If you don't have a book to follow, please also send antenna height, address, vertical and horizontal powers, call letters, frequency, and location, plus additional information such as construction permits, future expansions, etc. Compile and send it all by December 1, 1990 to



Domestic DX Digest - East

William Hale

734 Burleson San Marcos, TX 78666

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

MEDIUM WAVE rAMblings

- Methinks the "season" is here as activity is picking up. Plenty of great catches are reported this week, many for the first time in DBXD-E! Keep 'em comin', gang.
- Perry Crahill reports that when checking out his new Palomar loop, it doesn't work as well as his homemade two foot loop fed into the loop input of a ULF Engineering Model L-201 ULF Preamp. However, Perru reports, the Palomar is quite adequate in a number of situations, and is more convenient to
- A November 3rd Get-Together is being planned by Rick Dau in Iowa City, IA at the Best Western Canterbury Inn just off I-80 Exit #242 in Coralville (Iowa City suburb). The fun kicks off at 2 PM. Bring radios, log books, antennas, etc. Rick would love to see you there!!

SPECIAL

- WBMX MI ZFFLAND 10/1 on from approximately 1700-2300, off all day 640 10/2: this reflects their irregular schedule the past couple of weeks: on only 4-6 hours/day, 3-4 days/week, never on weekends; country-Formatted when on; their phone has been disconnected (PLB~MI)
- B70 ME GORHAM - 9/24 0520-0530 on every day tried since late Sep. w/MoYL, numerous IDs & ads; barely audible the 1st time noted, but stronger daily thru the end of the month, in WWL null; this one makes Maine easy in the Midwest (it was second only to Alaska in difficulty for many years); try for this one again the last part of Oct, Nov & Dec, and the 1st half of months beginning in Jan around Gorham LSR (RK-IL)
 - WKZN ME GORHAM 9/26 0617 XLNI over WWL with MoYL and female DJ; "...congratulations from all of us at WKZN and Arista Records..." went out to a Portland man who had won a cassette of Cole Porter mx → the "WKZN Morning Sports Scene" with Howard Feldman; this one may be a best bet for Maine at Gorham LSR (REH-ON)
- KFIT TX LOCKHART-AUSTIN has been silent since at least 10/1 pending 1060 sale of station and change (back to) to GOS format [Ed.-IX]
- PA PITTSBURGH made the switch from The Oldies Channel to 1080 Business Radio Network on Labor Day; PD Ron Antill tipped us off two days before it happened (RD-IA)
- 1200 IL CHICAGO - calls are still WOPA; they apparently never used WXET: still R. Exitos IDs, though (RK-IL)
- SD SIOUX FALLS 9/28 with new calls (ex:KKFN) and new format 1230 emphasizing Weather, Sports and News; CBS Network, Rush Limbaugh afternoons & Larry King evenings (WCM-SD)
- IL EVANSTON ex: WSSY; also...NRC Log is wrong, per sign-on and 1330 sign-off announcements, night power is 51 watts (RK-IL)
- MI KALAMAZDO 10/2 2301 ID given as "FM 103 WKFR and WKMI 1360 Kalamazoo"; they are not WKFR as reported in Vol 57 Issue 29; (WKFR(FM)'s legal TD was given at a different time: 2254); WKMI programs separately during the day (PLB-MI)
- 1410 MI GRAND RAPIDS - 9/28 noted back at full day power (1kw), after at least 2 months of operating at 100 watts or less (PLB-MI)
- 1540 KSGB TX FT. WORTH - 9/31 2300 with full-info sign-off; address given was: Box 339, Dallas sted address in Log (MH-NE)

UNIDS AND UNID HELP

- 9/22 0644 poor with a radio want-ads sort of thing; one 600 UNID of the phone numbers used an 837 exchange; slogan: "Serving three great southern states, this is AM-600" which would seem to indicate either WREC-IN or WCVP-NC; anyone know which one uses this slogan? (REH-ON)
- 9/24 0410 under WIVN/WIP/WDAF with FF talk # CKAC-730; 610 CFLO or CHNC? (REH-ON)
- UNID - 9/30 2043 w/mentions of "Green Bay" during quiz show

w/HS contestants; suttle ly gone @ 2047; WLKE? (PF-OH)

4						
880	UNID	?? - 9/30 2020 with non-stop early-Beatles mx on eve with exceptional deep west conditions; present after WMEQ-WI cut back at 2015 (HJH-PA) [Wow, if that was KIXI-WA that would be one				
920	UNID	?? - 10/1 2120 with "92 Country" slogans, pets lost and found named, mention of "Olympia" (MM-NE) [Why not KOE!] Olympia WA?				
1030	UNID	?? - 9/30 2020 with Z-Rock program; heard most nights				
1040	UNID	(MH-NE) [Isn't KBZR-NO Z-Rock? - Ed.] ?? - 9/30 0818 with Business Radio Network; not WHO (MH-NE) [The Log sez KCBR-CO is BIZ - Ed.]				
1160	UNID	?? - 9/23 0617 weak under KSL with "Judy in Disguise, With Glasses", suggesting and OLD format: maube WCCS? (RD-16)				
1180	UNID	?? - 9/15 2203 weak under KKAR with Johnny Horton's "Battle of New Orleans"; methinks OLD, but log sez nobody with that				
1350	UNID	format would be on this late (RD-1A) ?? - 9/29 2139 with <u>Texas A&M</u> FB (MH-NE) [Definitely NOT KCOR-TX, don't know if either KCAR or KTXJ are on Aggie network. Since <u>A&M</u> was playing <u>LSU</u> that night, how about WSMB-LA? -Ed.]				
		DX AND EQUIPMENT TESTS				
1410	WOUB	FL LEESBURG - test not heard (RK-IL) FL LEESBURG - 9/16not heard (RCW-MI)				
1480 1510	₩SDS TKAW	MI YPSILANTI - 9/13 0500 good with OC and ID on ET (RK-IL) PA ANNUILLE - 9/18 0023-0026 good with TTs and announcement.				
1540	₩SMI	"This is WAHT, operating on a frequency check" (RD-IA) IL LITCHFIELD - 9/26 0102 over/under XXEL with FC announcement; "WSMI, Litchfield, now signing on for frequency testing"; TTs started about 10 seconds later (RD-IA)				
		TIS AND OTHER STUFF				
530	tis	IN LAKE COUNTY (probably Gary or Hammond) - 9/23 0351 poor in TIS mess with Lake County Visitor's Bureau info; this frequency now sounds like a GYer herethere are 6 TISs within 50 miles of my QTH (RK-IL) [Roger Winsor sez it's in Hammond, see Issue # 1 - Ed.]				
		MIDNIGHT TO 0800 HOURS ELT				
550	CHNO	ON SUDBURY - 9/29 0045 fair in mess w/"This is the Nation's Superstation, the Music Radio Network, N-O-S-5"; 0100 Canadian nx; new (RF-OH)				
580	KUBC	CD MONTROSE - 9/14 0705 fear with detailed ID and wx (67°) (RD-1A)				
610	KSKE	CD VAIL - 9/14 0700 fair under WDAF with Chicago's "Make Me Smile" - local ads and "K-Ski" ID; this opening to Colorado DID				
690	KUNA	make me smile (RD-1A) A2 FLAGSTAFF - 9/23 0800 good with satellite DLD T ID: "The Unice of Northern Arizona, KUNA, Flagstaff"; LDGGING #1000!!!				
	KRMX	at last! (RD-IA) CD PUEBLO - 9/23 0801 fair with "Kah-Errey-Emmay-Equis" ID and mention of Pueblo; the last time I heard this guy it was KAPI over 6 years ago (RD-IA)				
730 640	WCPT WWLS	UA ALEXANDRIA - 9/15 0636 fair → poor in mess with ID (RK~IL) OK MOORE - 9/24 0421 fair with "Sports Final Trivia from Star Communications in Boston over the American Radio Networks"; loud trip tone keyed ID by female; "Sports Radio is 640-AM WWLS Moore-				
		Norman-Oklahoma City"; then gave ID for a second AM station but lost under CFCO-630 splash (REH-ON) EOther 'Twas KXID Wagoner,				
910	KLEN	OKsee 1530 in 1500-2400 ELT section last Issue - Ed.] AR RLYTHEUILLE - 9/27 0700 fair with brief sign-on: "This is Arkansas'AM 910, KLCN, Blytheville" (RD-IA)				
940	MIDG	MI ST IGNACE - 9/26 0656-0715 with C&W mx, IDs as "KC103", ABC Nx, and ABC Sports with Johnny Holliday; IDd as "St Ignace-				
960		Petosku-Cheubougan": poor signal mixing with CRM (PCW-MI)				
990	CHIX	PA LILISLE - 9/23 0553 fair with ID, MoYL off the bird (RD-IA) PO MONTREAL - 9/22 0312 briefly over WRMM with CHR and non-ID "Montreal's 990 Hits. Hit after hit after hit"; then mention				
990		PA LOWISLE - 9/23 0653 fair with ID, MoYL off the bird (RD-IA) PD MONTREAL - 9/22 0312 briefly over WRMM with CHR and non-ID "Montreal's 990 Hits. Hit after hit after hit"; then mention of "12 in a row"; poor with WWCM nulled; ex:980 (REH-ON) PD MONTREAL - 9/29 0550 with IDs as "Montreal's 990 Hits", mentions of playing 10 songs in a row, CHR mx, and ad for DRM				

- WUFL MI STERLING HEIGHTS 9/22 0630 fair with sign-on; uses U.S and Canadian National Anthems at sign-off (RK-IL)

 WUFL MI STERLING HEIGHTS 9/23 0645 fair with promo for a Sunday afternoon shew "on Family Life Radio, WUFL" (RD-IA)
- WNOW NC MINT HILL 9/19 0559 atop briefly with ID; NC #4 (RD-1A)

 70 WHYZ SC GREENVILLE 9/30 0120 with local ads, IDs; SC #3 (MH-NE)

 110 CKTY ON SARNIA 9/17 0215 fair → good with Star Country, ads and ID
- 1110 CKTY ON SARNIA = 9/17 0215 fair → good with Star Country, adds and (RK-IL)
- 1140 WKWH MI KENTWOOD 9/30 0740 ω /local ads, mentions of Grand Rapids (MH-NE)
- 1180 WMLX XY FLORENCE 9/29 0653 with ads for Fountain Square
 Chiropractic Clinic and Shapley Outlet Mail: IDd as "Am 1180,
 WMLX, Florence, Cincinnati's memory maker"; MoYL-type mx, nx on
 the hour, and promo For the 1180 Club, a variety show produced by
 the station; good signal, mixing with WHAM (RCW-MI)
- 1220 KGIR MO CAPE GIRARDEAU 9/24 0305 with satellite NDS using same feed as WWUK-1280 (Unistar, I believe); after Connie Francis song had an "AM-1220 KGIR" call ID drop-in; then "Too Young" by Net King Cole; roughed up by WKNR/CKCW/CKSM (REH-ON)
 - WKNR OH CLEVELAND 9/2 0323-0402 with CRW mx and adm: "Classic Country Ah 1220 WKNR Cleveland"; good with QRM about nil; CKBW sometimes atop after 0500 (HH-MD2)
- 1230 WIGS NY GOUVERNEUR 9/30 0100 up out of mess w/fair signal, ending wx report for "95-X", then ID by female: "(5-X is 95.3 WGIX and 1230 WIGS, Gouverneur" then ROK mx (KJH-PA)
- 1430 KCOH TX HOUSTON 9/21 0038 strong with UC mx "on the new 1430, KCOH"; Houston #5, overall #995 (RD-IA)
 - LO UT OGDEN 9/21 0006 fair with promo for Wildcat FB → ID; only my 2nd regional logging from Utah (RD-IA)
- 1480 WZRC NY NEW YORK 10/1 0017 briefly atop w/ad for upcoming program, plenty of "Z-Rock" & WZRC IDs; new (RF-OH)
 - KSDR SD WATERTOWN 9/23 0816 fair with ad for carpet store → ID and "Wooly Bully" (RD-IA)
- 1490 WLPA PA LANCASTER 9/25 0035-0100 w/network talk show, promo for show on WLPA Monday thru Friday at 6:30; poor, under and over unlD with mx (DT-ON)
 - WESL IL EAST ST LOUIS 9/25 0054 fair with tail-end of ID: "...is WESL, East St Louis, Illinois" (RD-IA)
- 1510 WKKU MA BOSTON ~ 9/20 0630 Fair with C&W mx and ID (RK-IL)
- 1520 WWKB BUFFALD 10/2 0100 fair with ID: "Business Radio 1520, WWKB, Buffalo" → BRN Nx; KOMA running DC¹ (RD-IA)
 - WDRA DH TOLEOO 9/20 0645 fair with ID while checking my tape (recorded by timer) for sign-ons (RK-IL) fit doesn't count if you were sleeping at the time of reception, hi - Ed.]
- 1550 WTYR TN SODDY-DAISY 9/23 0255 good with DLD + "Tiger Radio" IDs; no ads or anything else noted (RK-IL)

OBOO TO 1600 HOURS ELT

- 990 KSUP NM ARTESIA 9/26 0806 w/MBS Nx, local wx, IDs; ad for US
 Department of Agriculture: NM #13 (MH-NE)
- 1210 WOSL PA PHILADELPHIA 9/2 1313-1348 good daytime reception with
- Phillies BB warm-up pgm and into the game; plenty of ads; "Oldies 1210 wOGL" slogan; apparently the FM does not carry BB (MH-MD1) 1250 KIKC MT FORSYTH 9/25 0802 w/MBS Nx \rightarrow local ads and local nx; IC @
- OBO7; ad for Dedmon's Coast-to-Coast → Willie Nelson mx (MH-NE)
- 1400 WXBX NY BUFFALD 9/27 0801 briefly on top with legal ID complete with rapid fire laser blasts: "This is WXBX, Buffalo. Radio WXBX"; so much competition from WQBH/CKCB/WLKK/WMAN/WBAT that I couldn't be sure of their format but believe it was either CHR or AOR; ex: WGKT (REH-ON)
- 1430 WBEV WI BERVER DAM 9/22 0825 with a community bulletin board-type thing mentioning Beaver Dam, Fox Lake, Randolph and the <u>Dodge County Historical Museum</u>; had CL, temp and TC then Faded but reappeared @ 0830 with local nxcast; poor with WFOB nulled; #50 on 1430 (REH-ON)

1600 TO 2400 HOURS ELT

- 610 WIP PA PHILADELPHIA 9/27 2100 fair, using Palomar Loop to null cochannel 500 watt local WUSQ-AM (PC-VA)
- 730 KWRE MD WARRENTON 9/29 2006 SNN Nx, ID: "What's the best way to reach wour customers? You're listening to it, KWRE" (MH-NE)
- 790 CIGH ON SLOBURY 9/28 2026 good with ad, ID, Blue Jay BB (RK-IL)
- BHO CHUR ON NORTH BAY 9/29 1922 w/fair signal, wHAS Tooped; local wx, then → "Open House Party" (HJH-PA)

G		
6 850	MIAC	PA JOHNSTOWN - 9/19 2114 good with OLD, ad, wx (RK-IL)
860	KONO	TX SAN ANTONIO - 9/26 2113 1D: "San Antonio's first and only
		oldies station, KONO" (MM-NE) [That's their slogan, but it's not
870	KPRM	a true statement - Ed.] MN PARK RAPIDS - 9/30 2000 very good in WWL null with NBC Nx;
		2006 KPRM contest promo, Park Rapids wx, ID; 2007 → TalkNet; new
	WFLO	(RF-OH) VA FARMUILLE - 9/29 1930 fair with sign-off"dedicated to
	en Lo	community service"; no SSB (HJH-PA)
880	KGHT	AR SHERIDAN - 9/30 1953 weak to fair signal; atop a looped wCBS
		at times; "This is your radio station, 880 KGHT"; had C&W mx (MJH-PA)
	WMEQ	WI MENOMINEE - 9/19 1959 fair with TalkNet, ID, NBC Nx, ads
	LIMES	(RK-IL)
	WMED	WI MENOMINEE - 9/30 2006 fair → good signal ending NBC Nx, then → wx report"Your Color Radio Station, WMED" then jx which led
		to TalkNet; mixing with WCBS/KGHT/some unID (See UNIDs), a real
	DVI D	mess (HJH-PA)
	CKLO	by Female; Canadian opening brings best signal ever heard from
		them, and 1st report of new season (WCS-SD)
900	WSEA	DE GEORGETOWN - 9/30 1935 fair, atop in CHML null w/"Solid Gold
		WSEA" ID; 1938 wx for DelMarVa Peninsula, "Oldies Radio WSEA 900" ID; new (RF-DH)
	WKDW	VA STAUNTON - 9/30 1931 briefly surfaced w/ID; new (RF-OK)
940	KIXZ	TX AMARILLO - 9/29 2039 ads for Alka Seltzer, K-Mart, Sears: wx
	CBM	and "94 Kix" slogans (MH-NE) PO MONTREAL - 9/11 Midnight fair with brief mention of "CBC
	LDII	News" before KIDA ID; 1st time at this QTH (RD-IA)
970	WAVG	KY LOUISVILLE - 9/27 2336-2400 with ads for U of K Football
		b'casts, Crimestoppers; IDs as "Wave 970" and "Original Hits";
	MANU	top o' the hour ID and network nx (RCW-MI) VA WAYNESBORO - 9/28 1230 with ad:"No reasonable offer will be
		refused at Barber Chevrolet-Buick-Geo, Waynesboro"; station is
		still on the air despite being dropped from the 970 list of the
		1991 edition of the AM RADIO LOG but is listed in location and call-letter cross-references; good signal (PC-VA) [Perry, Perry,
		Perrythis guy is in your own state of Virginia, not PA as you
		reported. You had me goin' for a couple of minutes! Look for
	шна	WANV on Page 97 of new Log - Ed.]
and the second	WHA	WANV on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE)
1000	WHA KXRB	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SI SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000
1000		WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE)
	KXRB	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) NN PRESION - 9/30 2015 C8W mx, full-info sign-off with no SSB;
1020 1060	KXRB WPED KFIL	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEDRIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) The Presion - 9/30 2015 C8W mx, full-info sign-off with no SSB; MN #42 (MM-NE)
1020	KXRB WPED	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MM-NE) NN PRESION - 9/30 2015 C&W mx, full-info sign-off with no SSB; NN #42 (MM-NE) PO GUEBEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP;
1020 1060	KXRB WPED KFIL	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEDRIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) The Presion - 9/30 2015 C8W mx, full-info sign-off with no SSB; MN #42 (MM-NE)
1020 1060 1070	KXRB WPEO KFIL CJRP	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEDRIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) NP PRESION - 9/30 2015 C&W mx, full-info sign-off with no SSB; MN #42 (MM-NE) PO QUEBEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OMANA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in
1020 1060 1070 1120	WPED KFIL CJRP KFAB	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) HN PRESION - 9/30 2015 C&W mx, full-info sign-off with no SSB; NN 442 (MM-NE) PO QUEEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OTARA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under WBI (DI-ON)
1020 1060 1070	KXRB WPEO KFIL CJRP	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEDRIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) NP PRESION - 9/30 2015 C&W mx, full-info sign-off with no SSB; MN #42 (MM-NE) PO QUEBEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OMANA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in
1020 1060 1070 1120	WPED KFIL CJRP KFAB WKED WDGY	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MM-NE) HN PRESTON - 9/30 2015 C&W mx, full-info sign-off with no SSB; MN #42 (MM-NE) PO QUEEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-DN) NE OMANA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under WBT (DT-DN) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HN HINEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MM-NE)
1020 1060 1070 1120 1130	WPED KFIL CJRP KFAB WKED WDGY	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) NN PRESION - 9/30 2015 C8W mx, full-info sign-off with no SSB; NN 442 (MM-NE) PO QUEBEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OHANA - 9/30 TalkNet, promo for old-time radio (Meltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under WBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C8W mx; weak (MH-NE) IN HINNEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MH-NE) CO BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE)
1020 1060 1070 1120	WPED KFIL CJRP KFAB WKED WDGY	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEDRIA - 9/28 2015 with full-info sign-off, no SSB (MM-NE) IN PRESION - 9/30 2015 C8W mx, full-info sign-off with no SSB; MN #42 (MH-NE) PD QUEBEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OHAHA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under wBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HN HINNEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MH-NE) CD BURINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNI with non-bird OLD and call-
1020 1060 1070 1120 1130	WPED KFIL CJRP KFAB WKED WDGY	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/28 2000 with Wisconsin wx and ID → nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) HN PRESION - 9/30 2015 C&W mx, full-info sign-off with no SSB; NN #42 (MH-NE) PO QUEEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-DN) NE OTHER - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under WBI (DI-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HINNEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MH-NE) CO BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNI with non-bird OLD and call- ID; "The Chippewa Valley's original oldies station, WAYY" → ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso
1020 1060 1070 1120 1130	WPED KFIL CJRP KFAB WKED WDGY	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) NN PRESION - 9/30 2015 C8W mx, full-info sign-off with no SSB; NN #42 (MM-NE) PD QUEBEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OHAHA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under WBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HN HINEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MM-NE) CD BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call-ID; "The Chippewa Valley's original oldies station, WAYY" → ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature
1020 1060 1070 1120 1130	WAYY	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/28 2000 with Wisconsin wx and ID + nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) HN PRESTON - 9/30 2015 C&W mx, full-info sign-off with no SSB; MN #42 (MM-NE) PO QUEERC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OMANA - 9/30 TalkNet, promo for old-time radio (Maltese Falon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under wBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HN HINEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MK-NE) CO BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/32 2011 XLNT with non-bird OLD and call- ID; "The Chippewa Valley's original oldies station, WAYY" + ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON)
1020 1060 1070 1120 1130 1140 1150	KXRB WPED KFIL CJRP KFAB WKED WDGY KNAB WAYY	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID + nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) NN PRESION - 9/30 2015 C8W mx, full-info sign-off with no SSB; NN #42 (MM-NE) PD QUEBEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OHAHA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under WBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HN HINEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MH-NE) CD BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call- ID; "The Chippewa Valley's original oldies station, WAYY" + ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (UT-ON)
1020 1060 1070 1120 1130 1140 1150	WALLD MALE	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/28 2000 with Wisconsin wx and ID + nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) HN PRESTON - 9/30 2015 C&W mx, full-info sign-off with no SSB; MN #42 (MM-NE) PO QUEERC - 9/28 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OMAHA - 9/30 TalkNet, promo for old-time radio (Maltese Falon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under wBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HN HINEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MK-NE) CO BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call- ID; "The Chippewa Valley's original oldies station, WAYY" + ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REK-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (DT-ON) IN DONELSON - 10/1 2035 ID, Wax Works Show (MM-NE)
1020 1060 1070 1120 1130 1140 1150	KXRB WPED KFIL CJRP KFAB WKED WDGY KNAB WAYY	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/28 2000 with Wisconsin wx and ID + nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) NN PRESION - 9/30 2015 C&W mx, full-info sign-off with no SSB; NN 442 (MM-NE) PO QUEEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OHANA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under WBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) NN HINEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MH-NE) CO BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call-ID; "The Chippewa Valley's criginal oldies station, WAYY" + ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (DT-ON) IN DONELSON - 10/1 2035 ID, Wax Works Show (MH-NE) SK WEYBURN - 9/31 2101 ID + Broadcast News; under KVSU's
1020 1060 1070 1120 1130 1140 1150	WALLD MALE	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/28 2000 with Wisconsin wx and ID → nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) NN PRESTON - 9/30 2015 C&W mx, full-info sign-off with no SSB; NN #42 (MM-NE) PO QUEBEC - 9/28 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OMAHA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under wBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HN HINEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MK-NE) CD BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call- ID; "The Chippewa Valley's original oldies station, WAYY" → ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (DT-ON) IN DONELSON - 10/1 2035 ID, Wax Works Show (MH-NE) SK WEYBURN - 9/31 2101 ID → Broadcast News; under KUSU's sign-off (MH-NE) VA LEESBURG - 10/1 2045 good atop w/ID; 2049 ad for Southern
1020 1050 1070 1120 1130 1140 1150 1160	WYED KFIL CJRP KFAB WKED WDGY KNAB WAYY WJJD WAMB CFSL WAGE	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/28 2000 with Wisconsin wx and ID + nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) HN PRESTON - 9/30 2015 C&W mx, full-info sign-off with no SSB; MN 442 (MM-NE) PO QUEEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OHAMA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under WBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MM-NE) HN HINEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MM-NE) CO BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MM-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call-ID; "The Chippewa Valley's criginal oldies station, WAYY" + ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (DT-ON) IL CHICAGO - 9/31 2101 ID + Broadcast News; under KUSU's sign-off (MM-NE) VA LEESBURG - 10/1 2045 good atop w/ID; 2049 ad for Southern State Petroleum + Cincinnati vs Seattle FB game; new (RF-OH)
1020 1050 1070 1120 1130 1140 1150	WATE CEST	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/28 2000 with Wisconsin wx and ID + nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) HN PRESION - 9/30 2015 C&W mx, full-info sign-off with no SSB; NN #42 (MM-NE) PO QUEBEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-DN) NE OTHANA - 9/30 TalkNet, promo for old-time radio (Meltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under wBI (DT-DN) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) IN HINNEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MH-NE) CO BURLINGTON - 9/26 2100 w/AQR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call-ID; "The Chippewa Valley's original oldies station, WAYY" * ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (DT-ON) IN DONELSON - 10/1 2035 ID, wax Works Show (MH-NE) SK WEYBURN - 9/31 2101 ID * Broadcast News; under KUSU's sign-off (MH-NE) VALESBURG - 10/1 2045 good atop w/ID; 2049 ad for Southern State Petroleum * Cincinnati vs Seattle FB game; new (RF-OH) NY NEWCASILE - 9/27 2000 strong for a few minutes with ID and
1020 1050 1070 1120 1130 1140 1150 1160	WYED KFIL CJRP KFAB WKED WDGY KNAB WAYY WJJD WAMB CFSL WAGE	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/28 2000 with Wisconsin wx and ID + nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) HN PRESTON - 9/30 2015 C&W mx, full-info sign-off with no SSB; MN 442 (MH-NE) PO QUEEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OHAMA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under WBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HN HINEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MH-NE) CO BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call-ID; "The Chippewa Valley's original oldies station, WAYY" + ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (DT-ON) IN DONELSON - 10/1 2035 ID, Wax Works Show (MH-NE) SK WEYBURN - 9/31 2101 ID + Broadcast News; under KUSU's sign-off (MH-NE) UA LEESBURG - 10/1 2045 good atop w/ID; 2049 ad for Southern State Petroleum + Cincinnati vs Seattle FB game; new (RF-OH) WY NEWCASTLE - 9/27 2000 strong for a few minutes with ID and nx; new (MH-NE)
1020 1050 1070 1120 1130 1140 1150 1160 1190 1200 1240	WED KFIL CJRP KFAB WKED WDGY KNAB WAYY WJJD WAMB CFSL WAGE KASL	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/28 2000 with Wisconsin wx and ID → nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) HN PRESION - 9/30 2015 C&W mx, full-info sign-off with no SSB; NN #42 (MM-NE) PO QUEBEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OTHANA - 9/30 TalkNet, promo for old-time radio (Meltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under wBI (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) IN HINNEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MH-NE) CO BURLINGTON - 9/26 2100 w/AQR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call-ID; "The Chippewa Valley's original oldies station, WAYY" → ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (DT-ON) IN DONELSON - 10/1 2035 ID, wax Works Show (MH-NE) SK WEYBURN - 9/31 2101 ID → Broadcast News; under KUSU's sign-off (MH-NE) VALESBURG - 10/1 2045 good atop w/ID; 2049 ad for Southern State Petroleum → Cincinnati vs Seattle FB game; new (RF-OH) WY NEWCASILE - 9/27 2000 strong for a few minutes with ID and nx; new (MH-NE) AR FAYETIEUILE - 9/27 1955 in briefly with ID; new (MK-NE) HAS SION - 9/27 2259 very strong with ID, then → Family Radio
1020 1050 1070 1120 1130 1140 1150 1160 1290 1240 1250 1260	WED KFAB WKED WKED WAYY WJJD WAMB CFSL WAGE KASL KOFC WEZE	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) HN PRESION - 9/30 2015 C&W mx, full-info sign-off with no SSB; MN #42 (MM-NE) PO QUEBEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OMAHA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under wBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HN HINEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MK-NE) CD BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call- ID; "The Chippewa Valley's original oldies station, WAYY" → ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (DT-ON) IN DONELSON - 10/1 2035 ID, Wax Works Show (MH-NE) SK WEYBURN - 9/31 2101 ID → Broadcast News; under KUSU's sign-off (MH-NE) State Petrolewm → Cincinnati vs Seattle FB game; new (RF-OH) WY NEWCASILE - 9/27 2000 strong for a few minutes with ID and nx; new (MH-NE) AR FAYETTEVILLE - 9/27 1955 In briefly with ID; new (MH-NE) AR FAYETTEVILLE - 9/27 2259 very strong with ID, then → Family Radio programming (MJH-PA)
1020 1050 1070 1120 1130 1140 1150 1160 1190 1240 1250	WYED KFIL CJRP KFAB WKED WDGY KNAB WAYY WIJD WANB CFSL WAGE KASL KOFC	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) HN PRESTON - 9/30 2015 C&W mx, full-info sign-off with no SSB; MN #42 (MH-NE) PO QUEEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OHAMA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under wBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HN HINNEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MH-NE) CO BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call-ID; "The Chippewa Valley's original oldies station, WAYY" → ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (DT-ON) IN DONELSON - 10/1 2035 ID, Wax Works Show (MH-NE) SK WEYBURN - 9/31 2101 ID → Broadcast News; under KUSU's sign-off (MH-NE) UA LEESBURG - 10/1 2045 good atop w/ID; 2049 ad for Southern State Petroleum → Cincinnati vs Seattle FB game; new (RF-OH) WY NEWCASTLE - 9/27 2000 strong for a few minutes with ID and nx; new (MH-NE) HANCHESTER - 9/27 2559 very strong with ID, then → Family Radio programming (MJH-PA) WY HANCHESTER - 9/23 1956 good with drawing for the Kentucky
1020 1050 1070 1120 1130 1140 1150 1160 1290 1240 1250 1260	WED KFAB WKED WKED WAYY WJJD WAMB CFSL WAGE KASL KOFC WEZE	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/29 2000 with Wisconsin wx and ID → nx (MH-NE) SD SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) NO PRESION - 9/30 2015 C&W mx, full-info sign-off with no SSB; NN #42 (MM-NE) PO QUEBEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-ON) NE OMANA - 9/30 TalkNet, promo for old-time radio (Maltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under wBT (DT-ON) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HINDEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MM-NE) CO BURLINGTON - 9/26 2100 w/AOR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNT with non-bird OLD and call- ID; "The Chippewa Valley's original oldies station, WAYY" → ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (DT-ON) IN DONELSON - 10/1 2035 ID, wax Works Show (MH-NE) SK WEYBURN - 9/31 2101 ID → Broadcast News; under KUSU's sign-off (MH-NE) SK WEYBURN - 9/37 2000 strong for a few minutes with ID and nx; new (MH-NE) AR FAYETTEVILLE - 9/27 1955 in briefly with ID; new (MM-NE) AR FAYETTEVILLE - 9/27 1955 pool with drawing for the Kentucky Nanchester - 9/23 1956 good with drawing for the Kentucky Nanchester (RD-NE1) WY MANCHESTER - 9/23 1956 good with drawing for the Kentucky Larentie - 9/23 2059 fair with promo for the Junior Joe
1020 1050 1070 1120 1130 1140 1150 1160 1290 1240 1250 1260	WYED KFIL CJRP KFAB WKED WDGY KNAB WAYY WJJD WATB CFSL WAGE KASL KOFC WEZE WKLB	WANU on Page 97 of new Log - Ed.] WI MADISON - 9/28 2000 with Wisconsin wx and ID → nx (MH-NE) SO SIOUX FALLS - 9/30 1941 ID: "Country One-Thousand's \$1000 giveaway" (MH-NE) IL PEORIA - 9/28 2015 with full-info sign-off, no SSB (MK-NE) HN PRESION - 9/30 2015 C&W mx, full-info sign-off with no SSB; NN #42 (MM-NE) PO QUEEC - 9/29 1814-1830 w/mx, sung in FF, ann FF SID "CJRP; poor (DT-DN) NE OTARA - 9/30 TalkNet, promo for old-time radio (Meltese Falcon) "at 9:05 tonight on KFAB"; ad for Best Western Motel in Fremont, NE, KFAB wx; over/under WBI (DI-DN) KY FRANKFORT - 9/25 1954 with ID, C&W mx; weak (MH-NE) HN HINNEAPOLIS - 9/30 2033 over KWKH with Vikings postgame show and local ads (MH-NE) CO BURLINGTON - 9/26 2100 w/AQR; sign-off w/no SSB (MH-NE) WI CHIPPEWA FALLS - 9/23 2011 XLNI with non-bird OLD and call-ID; "The Chippewa Valley's original oldies station, WAYY" → ad cluster for Ford-Mercury Lifetime Service Guarantee, Progresso Soup, Financial News Cable and station promo for news feature "The Hidden Homeless on Way Radio" (REH-ON) IL CHICAGO - 9/30 2141-2214 OLD "AM 1160 WJJD", sports scores, "Great songs, great memories 1160 WJJD"; fair, no WCCS (DI-ON) IN DONELSON - 10/1 2035 ID, wax Works Show (MH-NE) SK WEYBURN - 9/31 2101 ID → Broadcast News; under KUSU's sign-off (MH-NE) UA LEESBURG - 10/1 2045 good atop w/ID; 2049 ad for Southern State Petroleum → Cincinnati vs Seattle FB game; new (RF-OH) WY NEWCASIE - 9/27 1955 in briefly with ID; new (MH-NE) HA FAYETTEVILLE - 9/27 1955 in briefly with ID; new (MH-NE) HA RASTITEVILLE - 9/27 2259 very strong with ID, then → Family Radio programming (HJH-PA) KY HANCHESTER - 9/23 1956 good with drawing for the Kentucky Lottery; many mentions of "the Kentucky Network" (RD-NE1)

1310	WTLB	
1350	EKAR	Format (HJH-PA) ON DSHAWA - 10/1 2049 with BlueJays BB, ad for Budget Rent-a- Car: ON #20 (MH-NE)
1360	WEBB	MD BALTIHORE - 9/20 2303 UC mx, duo man & woman singing (soul) 23:30 "WEBB"; poor under WEBB (DT-ON)
1380	KMUS	OK MUSKOGEE - 9/25 2000 with AOR and OLD; 1st time had with these CLs (MH-NE)
1400	KGBX	MO SPRINGFIELD - 9/20 2327 fair with song "Promises, Promises"
1420	WLIS	ID: "105.9 KGBX is in touch with the Ozarks" (RD-IA) CT OLD SAYEROOK - 9/23 2230-2245 OLD ROK, "1420 WLIS", WLIS Bulletin Board, "write to WLIS, Box W, Old Saybrook", WLIS Fishing Report; over/under WHK (DT-ON)
	MACK	NY NEWARK - 9/24 1815-1955 Yankees pre-game show, local sports, ???[Ed.] WCED (DT-ON)
	MCED	PA DU BOIS - 9/24 1925-2000 DLD, female announcer, wx "That's the forecast from WCED" and at 2200 "Latest nx, sports, & weather on WCED, DuBois"; medium poor, WACK "gone" (DT-ON)
1430	MACH	
1450	KCTD	
	MXKM	MS JACKSON - 9/29 2359 distinct "WJX" heard, but not the "N"; MS #9 (MM-NE)
1460	WACO	TX WACO - 9/29 2145 with Baylor vs Texas Tech FB; new (MK-NE)
1510	KGA	WA SPOKANE - 9/24 2200 weak under WLAC with C&W song → ID: "We are a Price Broadcasting station, 50 thousand watt 1510 KGA,
		Spokane-Coeur a'Alene" and 7:00 TC (RD-IA)
1530 1550	KMAM	
1550	KUKI	LA SHREVEPORT - 9/25 2051 ID: "96 point 5 KUKI with 40 minutes of rock" (MH-NE)
1590	KIDZ	MD INDEPENDENCE - 9/19 2030:30 fair with sign-off (RK-IL)
1600	WMCR	NY ONEIDA - 9/28 1756-1830 mx, mention of FM station, ad for
		Home Center, Rte 5, featuring Armstrong linoleum; poor (DT-ON)
	MAYC	PA BEDFORD - 9/18 1858-1905 ads and I think they had nx @ 1900; heavy DRM From WKEN-DE and other unIDs; got ID ~ 1900 (HH-MD2)
		REPORTERS

WCM-SD REX-ON	WILLIAM C. MOSER//Lake Preston, SD//Zenith K731 + loop CHARLES REH//Leamington, ON//R-390A + Sanserino Loop + TR-3000 open
	reel tape deck
PC-VA	PERRY CRABILL//Winchester, VA//R-5000 + no-Pal-o-mine Loop
RK-IL	ROBERT KRAMER//Chicago, IL//R-71A, R-1000, HQ-129X + 2 RW Loops,
	Kowalski Loop + Kantronics Signal Enforcer peak/notch filter
HJH-PA	MARRY HAYES//Wilkes-Barre, PA//Superadio + Superloop, SM-2
RCW-MI	BOB WALKER//Wixom, MI//ICF-2010, ICF-2003 + Radio West Loop
MH-NE	MIKE HAWK//Omaha, NE//R-1000 + 2' coax loop
HH-MD	HANK HOLBROOK//Dunkirk, MD//(1) SP-600 + 50' LW (2)SP-600 + Colegrove
	Loop
RF-OH	RICHARD FRCHO//Willoughby, DH//R7A, NRD-515, SM-1, LW
DT-ON	DON TRELFORD//Scarborough, DN//
PLB-MI	MR. PHIL BOERSMA//Spring Lake, MI//
RD-IA	RICK DAU//OAKLAND, IA//R-1000 + RW Loop//1006 heard
RD-NE	RICK DAU//(1)on I-80 near Kearney, NE, (2)Lexington, NE//Ford Caradio

SOME ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DOXD-E

Omaha, NE 700

GYDXA UPDATE

1230 : KOTS	NM	DEMING	Mike Hawk	Omaha, NE 801
1240: WJDQ	MS	MARION	Mike Hawk	Omaha, NE 732

Mike Hawk

KODY

WY CODY



Domestic DX Digest - West

Wayne Heinen 4131 S. Andes Way Aurora, CO 80013 FIDO NET 104/108 (303) 699-6335 (prepaid only)

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

Welcome to new contributor Chuck Dixon Hope to see you here often Thanks to "CPC Machinemate" Jeff Tynan for typing up his contributions (complete with comments!) while I was at work Contributors please keep in mind that I edit so that NO item (unless it's in the "Special" category) is more than 30 days 1240 KWIK ID Pocatello older than the masthead date!

Midnight to Midday

540 CBK SK Watrous

10/2 0300 CLA Mx & CBC Nx, ID "This is Radio 540 Saskatchewan" s/off 0308 w/ments of Watrous xmtr site. Very good. (CD-CA)

590 KSSK HI Honolulu

9/24 Noted off 0620-0700 Back on by 1240. Too Much QRM to DX (TH-CA)

650 KYAK AK Anchorage

10/3 0135 Frequent ID's inc "Alaska's Number One Station" Promos for something called 'Naughty Bunnies '90". Good (CD-CA)

700 CKRD AB Red Deer

10/2 0245 CLA Mx, Ad for Player's Club" Fair to Good (CD-CA)

720 KUAI HI 'Ele'ele

9/160845 Noted testing with intermittent OC. Off by 0900, Noted back by 1102, Noted following SM w/1159 s/on (DP-HI)

830 KIKI HI Honolulu

10/2 0215 Slogan "Hawaii's Oldest Channel" and others First HI this season. Poor (CD-CA)

840 KVEG NV Las Vegas

10/4 0230 Dominate w/lcl Sx tlk show 0250 lcl spots/PSA's 0300 ID "Las Vegas Calling KVEG North Las Vegas" NV #13. (0W-CO)

880 WCBS NY New York

10/1 0425 Poor under CKLQ and KJJR. "WCBS news time, 4:25." NY #5 (TT-CO)

880 KJJR MT Whitefish

10/1 0431 Fair to good on peaks "Home of continuous country, KJJR." MT #14 (JT-CO)

960 KNDN NM Farmington

10/10925 Navaho chanting 0930 "KNDN" & more Navaho Chanting Good w/KYGO slop (WH-CO)

1010 CBR AB Calgary

10/20140 CLA Mx followed by NX fair o/u SS Pest KIQI (CD-CA)

1140 KCMJ CA Palm Springs

10/8 0711 "Nobody plays more Country favorites than KCMJ" and C&W. 1st time for this one (WH-

1140 WAKKt MS McComb

10/8 0715 Faded in w/Mississippi Net Ag report to 0721 & C&W Mx, No ID thru 0733. tent rpt on its way. (WH-CO)

1210 KUBR TX San Juan

9/29 0001 Poor thru KGYN SS ID by man "Radio Cristiana KJAB(?) 104.9 FM.. KUBR 1210 AM, San UnID's Juan Texas...KMRN 104.9 FM... " SS REL TX # 109 1530 UNID (0W-CO)

1230 KTRF MN Thief River Falls

9/28 0300 ID followed by CBS Nx; 0305 spot Chrishan Science Monitor; 0306 Wx & Sx by female ann...sounded like Icl tlk show thru 0320. MN #19 (0W-CO)

9/28 0235 Call ID in ORM then faded out Logging # 1001 (0W-CO)

1310 KDLS IA Perry

10/1 0718 Good signal mixing w/WIBA w/lcl promo's KFKA nulled (WH-CO)

1340 KKLXt WY Worland

10/1 0217 Fair w/CWM and ad for Games-R-Us in Thermopolis. Tent. pending reception report venfication (IT-CO)

1340 KSGR ID Nampa

10/1 0227 Excellent on peaks with "Idaho's favorite oldies, AM 1340, KSGR." (This morning's haul on 1340 was made possible by KDEN's regular MM SP) ID #8 (TT-CO)

1340 KCAP MT Helena

10/I 0229 Fair with KCAP evening news MT #13 ()T-CO)

1340 KIKO AZ Miami

10/1 0312 Poor signal. ".. in Miami, KIKO" (perhaps this is as close as I'll get to logging a FL station) AZ #51 (JT-CO)

1360 KNGN NE McCook

10/1 0800 Noted with s/on "Your Good News Station" and "Listener Supported" REL format for this call change (ex-KICX). (WH-CO)

1450 KBFS SD Belle Fourche

9/27 0225 Id only barely through QRM Logging #1000! "... Your 24 hour ... station KBFS Belle Fourche" and OLD format (0W-CO) (Congrats!-

Midday to Midnight

610 KSKE CO Vail

10/8 1620-1645 Continuous C&W Mx "610 AM Ski Country Vail Colorado" and more C&W..nolonger ROK format (WH-CO)

840 KVEG NV North Las Vegas

10/2 2300 Good signal mixed with WHAS BRN format, then "This is Las Vegas calling" and legal ID on the hour. This catch was particularly satisfying since the tower for KOA 850 is only 2 miles from my house NV #15 (IT-CO)

1280 KHEP AZ Phoenix

10/4 2059 "Send your . to KHEP" briefly u/KXKL AZ #52. (JT-CO)

1610 KAF727t CO Mesa Verde Nat'l Park

10/4 2325 Ments of National Park, Pre-historic artifacts, something "located 21 miles into the park" Partial ID "K..727" (JT-CO)

9/24 0625 Noted w/American Accented prgm u/

KFBK/2YP; maybe WCKY? (Hard to say Dale w/ o any details of the prgm-ed) (DP-HI) 1610 UNID

10/4 2323 'Rain or Shine this station operates 24 hrs a day." Wx from Austin Weather Service. (JT-CO). Ditto on this one 10/8 0525 (WH-CO)

CONTRIBUTORS!

(CD-CA) Chuck Dixon Trinidad, CA - HQ-180A w / 1' Air core Loop

(DP-HI) Dale Park Honolulu, HI - ATS-803A w/

Selec-A-Tenna (JT-CO) Jeff Tynan Parker, CO-Sony 2002 w/4 2401si

(WH-CO) Wayne Heinen

Aurora, CO - RW-TRF-655, R-390A w / 4' loop. (0W-CO) John Wilkins Wheat Crisps-R-1000 w / 2.5' loop.

The Stevenson Log ... by Gene Martin

My introduction to DX'ing came in November, 1925, so when NRC member Arthur L. Robb of Pittsburg, KS mentioned to me in a letter that he had a Stevenson's radio log from February, 1926, I knew immediately it was a nostalgia treasure that I had to see.

It so happens that I have only memories from 1926, no log books that old, and any written notebooks of stations heard and so forth disappeared years ago. My earliest notebooks date to 1927-28.

The 1926 Stevenson's, I realized, would show me the broadcast band in which I had first pursued DX'ing as a hobby, the BCB as it existed before the Federal Radio Commission, the BCB where station wavelengths were assigned by the Commerce Department.

So when I indicated to Art Robb that I would give my eye-teeth to see that Stevenson's log, he had it duplicated, 32 pages, and sent it to me. As 1 said, a genuine treasure for any DX'er with an interest in seeing what it was like in the broadcast band 64 years ago.

Stations' broadcast frequencies were designated as wavelengths in those days, and they were expressed in meters, not kilocycles. The broadcast band extended from 200 meters to 545 meters, and when kilocycle terminology took over, that range became 1500 to 550. I think we oldtimers never forgot meters, and tucked away in the memory is a table of equivalents, so many kilocycles is so many meters, and vice-versa, all across the broadcast band. We learned it just like we learned the multiplication tables in elementary school.

Kilocycles are never mentioned in this 1926 Stevenson Bulletin, as they call it. The cost was ten cents a copy or \$1.00 a year, and it was published monthly.

U. S., Canadian, and world stations are listed in the booklet, but I want to concentrate on the table of wavelengths, for that is what shows what the BCB was like so many years ago. The broadcast band is what the DX'er had to learn and where he went looking for the elusive DX station hundreds or thousands of miles away from home.

Today's DX'ers will find many familiar calls in this section of the band, at strange places on the dial, but they should also note that two stations, WMAQ and KFI, are still broadcasting on the same wavelengths that they used in 1926. And all through the years, 550 has had a St. Louis station on it.

To help today's DX'ers orient themselves, I have inserted the kilohertz a few places in this table of wavelengths. The final zero is left off.

Wave	
Lengt	th Station
341	KSAC, WKAQ, WMCA, 88 KFAB
345	WLS, WCBD
349	WJAD, WWJ
353	WJAD, WWJ
357	CFCA, CHIC, CHNC, CIDC, CJSC, CKCL, CKNC, CNRT
361	KGO, WHN83_
366	WHB, WDAF
370	WEBH, WJJD
375	KTHS, KV0080_
380	WGY, WHAZ
384	KJR, WMBF, CNRWLD
389	WTAM, WEAR
395	WFI, WLIT, WOAI
400	WHAS, WHT
405	KHJ, WJY, WOR
411	CFCF, CFYC, CHYC, CKAC, CKCD, CNRM
416	WCCO
422	WLW, WKRC
428	WSB, KPO7.0- NAA, CFAC, CFCN, CNRC,
435	NAA, CFAC, CFCN, CNRC,
441	KLDS, WOS, WDWF, 68 WLSI, CJKC
448	WOI WMAO
454	KTW, WJZ6-6-
455	KFOA
461	WCAE
469	WCAP, WRC, KFI 64-
476	WFAA, WBAP, WTIC
484	woc, wsui62
492	KGW, WEAF
500	WMC, KFRU60
508	TITE TO A VIV
517	WCX, WJR, CJCA, CNRE 5.8.
526	WNYC. WHO, WUAW
535	KYW, WHA
545	KSD, KFUO55-

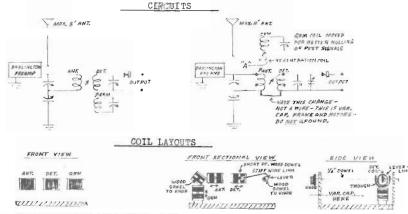
The Answer Man

Got a question about radio? Send it to Russ Edmunds - 753 Valley Rd. -Blue Bell, PA 19422-2052. No question is a dumb question, and Russ will answer all, from basic to highly technical. Watch for the answer in DX News!

The 'Half-Breed' Regen Crystal Set - by Raymond Cole

Obviously this is not a true crystal set, but it combines the selectivity and sensitivity of the Tuggle Circuit crystal set with the power of a regenerative circuit for truly startling results. It was discovered quite by accident in search of a way to make a "One Knobber" (single dial) Tuggle.

The Tuggle Circuit with Darlington preamp (see "The Challenging Crystal Set") is this: the Half-Breed is this:



Three sections of a five section variable capacitor were used. All coils were originally mounted on ±" dowel rod shafts, but this was abandoned except for the regeneration coil, which rotates to control the regeneration. However they should all be wound with the ±" center space to maintain proper band coverage. Tapped at 13 turns from the "floating ground" end, an alligator clip moved to this tap from the "upper" end of the coil, then gives short wave coverage with wwv, 10 Mhz, about 7 degrees right of center of the dial. (I use a photocopy of a 6" protractor as a dial).

Either use a metal panel or cover the back of your panel with aluminum foil, and graund either, since hand capacity will drive a person crazy on a regenerative circuit of any kind (especially when listening to Radio Austria, 9.875 Mnz).

The antenna coil is normally set to just about clear the rotating regeneration coil, but leave it adjustable. Spacing between the antenna and detector coil is normally between in and in and needs to be easily variable to suit, across both bands, to control selectivity on each individual D-X signal. The lever is made of a 1" piece of perforated pipe strap with alternate one-quarter and one-eighth inch holes. The larger hole is used for the downl, and the lever is glued solidly to it.

I mounted my antenna and detector coils in a U-shaped semi-stiff plastic trough, but stiff paper would do just as well. The trough "hangs" on the two contol knob dowel rods. A short piece of dowel through the detector coil has one loose turn of the stiff wire link around it, which slides the coil back and forth in the trough.

Due to the extremely high gain of the Darlington preamp, at "A" a 30 pf capacitor is used most of the time, but for added D-X I used an alligator clip to give the sensitivity, selectivity and regeneration controlling choice on both bands of 12, 30 and 68 pf and .001. The Darlington can easily overload the circuit on strong signals - especially on short wave.

Coils are wound on 1-11/16" diameter toilet paper tubes 1-7/16" long with 1/8" clear at each end and 1" space in the center, exactly 33 turns #26 on each half. Th regeneration coil is similar except 13/16" long with 10 turns on each half. Don't forget the 13 turn taps if you want short wave.

The regeneration coil's added turns affect tuning of the autenna circuit slightly, so a small trimmer capacitor must be added in the detector circuit, and will be adjusted to about 50 pf - peak it on a mid dial week signal.

The output resistance should be 5k minimum or selectivity will be affected adversely. Changing the resistance will make re-peaking necessary.

The Darlington preamp is per "The Challenging Crystal Set" with 2N2222's selected for performance as shown there.

If you use a Radio Shack Mini-Amp (Amp-Speaker, they now call it) for audio output, do not try to use the same battery to power both it and the Darlington, since that won't work due to feedback through the battery.

I have no idea of the D-X limits of this "Malf-Breed", but with double tuned circuits and the Darlington it sure is a hot little bugger. I have built two. One for an experimenter who is going to drive 240 miles to get it rather than trust it to UPS. We has heard it perform ever the phone 442.00 worth of calls. But, please — no requests to build any more. Time is too scarce for me.

Radio Roundup ... by Pete Kemp

Tim Lennon on WERC in Binghampton, NY, was upset because another station employee's car was broken into a her purse stolen by a black man. Lennon then decide that he would refuse to put on air anyone who was black. When callers phone in he would ask them their race and then decide to put them on the air. The station manager obviously was not impressed by this childish act and told Lennox to apologize. He still may be suspended or fired.

wwgt in Westbrook, Maine has changed its calls to WLFZ.

Veteran talkshow host Ron Hunter recently got the ax from WSMB after his wife committed suicide. He was chastised for letting his wife detail their marital problems on the air during his phone in show. This is a truly sad story. Hunter appeared a few days later on the CBS Morning News, explaining what had happened, clarifying a number of points which had been blown out of proportion in the media. He also appeared on the TV Tabloid A Current Affair.

The latest Big Apple "book" is out; showing the top Amers as, WINS, WOR, WCBS, WFAN, WABS, VNEW, WSKW and WLIB.

Howard Stern's five show has been given the go ahead for a full 13 shows. It airs on WWON-TV.

Barry Gray will be back at the mike on WOR shortly, only he'll be originating the show from the bedroom of his home, will be is recuperating from hip surgery.

WCNX-1150 in Middletown, Connecticut has switched format to carry the Sun Radio Network.

Steve Kane has been given his walking papers at WABC. The morning spect will be taken over by fellow staffers bathleen Mahoney and Rodger Skibenes.

FCC has decided to enforce its indecency standards on a 24 hr/day. The FCC had been a little selective enforcing standards during the day and evening hours when children would likely be listening.

WCOL has joined the ranks of the du woppers now playing goldies fulltime.

... WABC-770 New York has picked of ABC Talkradio's Bob Aaronson's show in the 3-6 a.m. spot ... National Public Radio recently celebrated its 25th anniversary... WCAU's Bominic Quan is moving from overnight to mornings on the station. WCAU placed 16th in the latest book, quite a come down for the once mighty station... Interested in news of the ol' sod (Wales, Scotland, England and Ireland), then tune in Toledo radio's WCWA and catch John Connolly's News From Home Show. 10-11 M.m. .. WDOT-Burlington, VT has switched from country music to the goldies du wop... The FCC's latest Notice of Proposed Rulemaking for AMers contain some interesting points, mandatory amstereo, limitations on simulcasting, and giving current am stations with interference problems the inside track when allocating frequencies in the new 1605 to 1705 KHz. band segment ... The NAB Science and Technology Committee hopes to present the results of its experiments with Suppressed Skywave Antenna Systems in September at the Radio 90 Conference in Boston ... A lot of ink is being spread across the pages of professional broadcasting literature concerning the future of Digital Audio Broadcasting (DAB). One prognosticator even goes so far as to predict a new band to accommodate it ... while on the subject of bands, many groups are getting prepared the upcoming WARC for Administrative Radio Conference) in 1992. The WARC is an international group that gets together at pre-determined times, under the auspices of the ITU (International Telecommunications Union), to allocate frequency spectrum. A very political organization, one that requires a lot of diplomacy to be successful. With all of the technological advances that have come about in the last ten years, this meeting (which can last for months) will surely have remifications for all of us ... So much for now.

DIGITAL AUDIO BROADCASTING

Will it put an end to the distinction between AM and FM?

Broadcaster via Brian Vernon

by Steven Crowley

ompact discs sound great. They offer the consumer the finest in recorded audio quality. They're great for radio stations, too, as they're less of a maintenance hassle than tapes or records. Yet, listening to the radio, that compact disc quality doesn't come across.

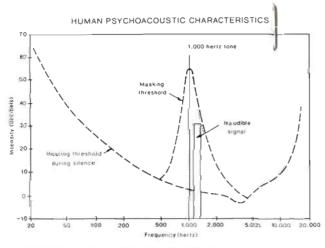
Such is the nature of AM and FM radio. They've served us well for decades, but can't match compact-disc digital quality due to inherent limitations in their analog transmission schemes. Neither AM or FM can match compact discs' frequency response of 20 - 20,000 hertz. AM is subject to electrical noise and interference from other stations, especially at night. FM is subject to multipath interference; this can occur in built-up urban areas where the receiver doesn't have a line-of-sight path to the transmitter. It then has to rely on the diffraction and reflections of multiple signals off buildings. Depending on how they add, they can cancel completely resulting in a momentary loss of service. This is most obvious in an automobile when pulling up to a stop light; your favorite FM station sometimes fizzles to nothing. Move a few feet forward, and it's OK: you've changed the geometry of the multipath problem.

In Europe, they've started from scratch and combined the latest in signal processing hardware with hearing psychology and developed a new type of radio — digital radio — that offers compact disc quality sound. The same technology might someday allow Canadian broadcasters to get their digital-quality audio to the listener.

Much depends on the results of tests taking place this summer under the auspices of the Canadian Advanced Broadcasting Systems Committee, a joint government/industry committee. Joining in the tests are the Canadian Broadcasting Corporation, the Canadian Association of Broadcasters, the Department of Communications and its Communications Research Centre.

The testing program will last through September and includes liaboratory and field tests. Over-the-air tests and demonstrations will take place in Montreal, Otsawa, Toronto, and Vancouver. To generate the signal, a one-kilowatt transmitter will operate from 794.5 — 801.5 MHz (straddling TV channels 68 and 69) and feed a directional panel antenna.

Over-the-air digital audio transmission – sending accurate and noise-free audio in the form of digital data – has been tested before, but past schemes require several times the spectrum used by an FM station. It hasn't been practical for general use.



Source: European Broadcasting Univ. and the Europa 147 Digition Awaio Secardos Sing Project

Two consortiums of European broadcasting agencies and consumer electronics companies – the European Broadcasting Union and the Eureka 147 Digital Audio Broadcasting Project – have spent four years and \$56 million (Canadian) to create a new, practical digital audio broadcasting system that eliminates the foibles of AM and FM. Commonly known as the Eureka system, it can deliver compact disc quality sound to the histener in a spectrum-efficient manner

The Eureka system reduces spectrum requirements in part by reducing the amount of data needed to transmit audio. It does this by throwing much of the audio information away. It doesn't accurately reproduce the audio waveform; instead, it reproduces its sound by taking advantage of the masking properties of audio.

Masking is well known to psychologists who study human responses to sound, or psychoacoustics. While engineers measure frequency and intensity, psychologists are concerned with their perception as pitch and loudness. In masking, the closer two tones are in frequency, the greater the likelihood the louder tone will mask the softer tone. Increasing the frequency separation makes the softer tone more apparent.

The Eureka system uses masking to eliminate the details of audio that can't be heard. First, the audio at the radio studio is converted to digital data. Then, the data are analyzed to determine which loud

sounds are masking which softer sounds, based on a model of human psychoacoustic characteristics. The loud sounds are kept and the softer sounds that can't be heard are discarded as irrelevant information. Furthermore, the amount of data needed to represent the louder sounds is reduced; this increases noise in the audio, but enough data are always used to keep the noise below the threshold of perceptice.

To further reduce the amount of audio data, the data rate is varied according to the amount of activity in audio. Rock music requires more information than chamber music, which requires more information than an announcer. The transmission system is designed for the highest data rate required. During slow points in the audio, non-audio data can be transmitted increasing the utility of the receiver: These additional data could be used to display information such as call fetters, weather warnings, song title or station slogans. All these audio reduction techriques allow the amount of audio data to be reduced by more than 80 percent with no perceptible degradation.

This analysis and restructuring of audio in real-time takes a lot of computing power, but the increasing economies of digital signal processing (DSP) are making it practical for consumer use. IDSP of the scopenequired by the Eurekaspstem used to require prohibitively large computers. Today, the necessary DSP devices are avail-

able on integrated circuits.

Reducing the amount of data needed to represent audio helps lower spectrum requirements, but there's still the multipath problem. Even though a radio signal is carrying precise digital data instead of analog information, it can still interfere with itself at certain locations. The Eureka system solves multipath problems by taking advantage of the frequency-dependence of multipath: Since radio frequencies behave differently, multipath interference will usually occur on one frequency at a time.

With the Eureka system, the data are split up and portions transmitted on many closely-spaced frequencies. Because of the frequency dependence of multipath, only one frequency will be out of service at any one time. This means most of the frequencies, and hence most of the data, will be available.

Though a fraction of the data might not get through, this is overcome by using error correction techniques. Extra data representing error correction information are added to the audio data stream. These data tell the receiver what patterns of audio data should be being received at any instant. If the receiver detects an error, it then uses an algorithm to accurately predict what the missing or incorrect data should have been

These error correction features enable the system to use much less power than conventional radio stations. Instead of brute force, the Eureka system uses the mathematics of error correction to finesse the audio data to the receiver. It's estimated that less than five percent of the power used by an FM station would be required for equivalent coverage. In recent tests, the city of Rennes, France (population 200,000) and the surrounding countryside were served with an on-the-air experimental system having a power of 11 watts.

The Eureka system is still under development so final specifications aren't known; many tradeoffs are being considered. For example, the better error correction schemes require more added data—that increased spectrum requirements.

It's hard to pin down final specifications because frequencies aren't now available. Ideally, technical specifications will be tailored to the unique characteristics of those frequencies. The developers are seeking frequencies for use in Europe, where it is phanned to have audio transmitted by sattellite. This would be augmented with ground-based transmittens to fill-in coverage gaps.

It's uncertain where the needed spec-

trum would come from for a digital audio broadcasting service in Canada. A mitigating factor is that the Eureka system is spectrum efficient. From one location, three separate stereo audio programs, or "stations", can be sent in the same amount of spectrum required by one FM station.

Since all stations can emanate from one location with equal quality, the system could be technical equalizer. Every station in a city could have equal-quality digital signals.

This summer's tests have several goals. It's hoped to determine basic parameters required for implementation, such as power requirements and interference criteria. The performance of the Eureka system will be evaluated in the presence of noise and interfering signals. Also tested will be its performance in shadow and multipath conditions.

Under consideration is a plan to implement the system pending successful test results and spectrum availability; it would be introduced sometime between 1995 and 2000. Priority for assigning DAB channels would be given to existing AM and FM stations. Any additional channels would be made available to other applicants. DAB would be primarily terrestrially based, but direct broadcast satellite service would be available for remote areas, and for national programming services to all areas.

The Eureka system would coexist with AM and FM stations until there was a high penetration of digital receivers. Then, AM and FM operation would cease.

DAB is seen as resolving, once and for all, competition problems between AM and FM. If AM and FM are turned off, it centainly would.

Steve Crowley is a consulting engineer with the Washington, D.C. firm of du Treil, Lundin & Rackley, Inc.

THE FAMILY CIRCUS



"When will it be my turn to listen to Daddy's earmuffs?"

Formats

Tony Fitzherbert

356 Jackman Avenue Fairfield, CT 06430

Changes in programming status; reported by NRC members and others

WCGI-1390, as noted in a past column found itself embarrassingly low in the Chicagoland ratings, so, according to Geov Parrish, its Black talk format has been dumped for Black oldies...and the station calls itself "Dustyradio". Other than that change, the format switches listed below reveal a boring potpourri of satellite programming, FM simulcasting, and business news...and the AM dial is turning into a Sargasso Sea of mediocrity. And entire staffs of on air personnel are helping to swell the nation's unemployment rate.

Other than Geov, Mike Riordan and Eric Bueneman provide us with updates. And Perry Crabhill, Jr. provides a Dial Scan from Winchester, WA. Here we go.....

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WCNN GA North Atlanta
                              - CNN Network news (EB).
750
     WSB GA Atlanta
                         - Now all news/talk, AC music gone (EB).
770
     WAIS OH Buchtel
                         - CWM (GP).
900
     KOES TX Hamilton
                         - Spanish (GP).
910
     KOXR CA Oxard
                         - Spanish (MR).
910
     WKEQ KY Burnside
                         - Satellite traditional CWM (GP).
920
     WGHQ NY Kingston
                         - Satellite adult standards (GP).
     WMGR GA Bainbride
                         - Satellite rock oldies (GP).
     WZNN NH Rochester
930
                         - Now all news (GP). EX-WKOS, adult standards (TF).
980
     KENY AK Kenai
                         - Talk (GP).
1010 KRNI IA Mason City
                         - Ex-KLSS, now jazz and classical// KHKE-FM, Cedar
                         Falls, station was donated and cannot be sold for
                         three years (GP).
1050 WXTH AL Alexander City
                              - CWM//FM(GP).
1050 KOFY CA San Francisco
                               - SMN Kool Gold (MR). Sale of FM left station
                              with no studios , so they // KOFY-TV, Channel 20
                              for a week! (GP).
1080 WEEP PA Pittsburgh
                         - Business news (GP).
1110 WUHN MA Pittsfield
                         - Satellite rock oldies (GP).
1120 WBNM GA Gordon
                          - Business news to Macon (GP).
1140 KPRW OK Oklahoma City
                              - Business news (GP).
1150 WCNX CT Middletown
                         - News/talk (Tony Fitz).
1170 WKIQ FL Bushnell
                           Standards //WKFL(GP).
1230 WTKX FL Pensacola
                         - Satellite rock oldies (GP).
1230 KKGR OR Gresham
                         - News/talk(GP).
1240 WKDA TN Nashville
                         - All news (GP).
1310 WDPN OH Alliance
                         - EZL (GP).
1320 KGMG CA Oceanside
                         - EZL(GP).
1330 WNIX MS Greenville
                         - Satellite rock oldies (GP).
1360 WTSH GA Rome
                          - Southern Gospel 0900-1200, otherwise CWM//FM (EB).
1380 WCQL NH Portsmouth
                         - News/talk(GP). With 930, Rochester, that's two
                         news/talk stations in this market (TF).
1380 WGUS SC North Augusta
                               - Traditional CWM (GP).
1390 WWOD VA Lynchburg
                         - Satellite all news (GP).
1400 KBLX CA Berkeley
                         - Now Black AC//FM (GP).
1440 WCDL PA Carbondale
                         - Adult standards (GP).
1450 WSMQ AL Bessener
                         - Gospel (GP).
1470 WWWM OH Toledo
                          - Ex-WOHO, now AC // FM (GP).
1490 KDB CA Santa Barbara
                              - Now KSPE, Spanish, some English programming
                               (MR).
1500 WDPC GA Dallas
                         - back with CWM/Gospel (EB).
1520 KFXX OR Oregon City - Talk, sports (GP).
1550 KSVY WA Opportunity - Fine arts (GP).
1560 WSQR IL Sycamore
                         - CWM (GP).
1570 WBUG NY Amsterdam
                         - Ex-WKOL, CWM//WLKO(GP).
1580 KOKB OK Blackwell
                         - News/talk(GP).
1590 KHIT NV Sun Valley

    News/talk(GP).

1600 WXLN KY Eminence
                         - Full service info and religion(GP).
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Thank you very much to our contributers. When you send in items for this column, could you please indicate the city of license? This would help cut down the time needed to put the column together, as I prepare it at work, during lunch time. Thank you very much...and, as we are into another DX sewson, do get your format changes in to your Formats column.

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R390A AGC/BFO Mods ... By Dr. Dallas Lankford

For Improved SSB and CW

Two things present an R-390A from performing well on SSB and CW signals - unsuitable attack and release times for SSB and CW, and low BFO amplitude at the glode detector.

The usual way to demodulate SSB or CW is with a product detector. There are two ways to add a product detector to an R-390A. The BFO circuit can be converted to a product detector as described by Capt. Paul Let in his 1968 CQ article, "Modifying the R-390A noise imiter function with the product detector as described by Eugene Hubbell in his 1974 Harn Radio article, "Improving the R-390A product detector," pages 12-15. Or an external product detector can be connected to the R-390A 455 KHz IF ortport, such as one of the military sideband converters, a Hammariand HC-10 converter, or a home built product detector like the one described by Alan Nusbaum in his November 1985 Ham Radio article, "External product detector improves receiver performance," pages 107-111.

However, there are disagrantages to those approaches. Lee's product detector requires that an R-390A mainframe be rewired, which means that you cannot use that mainframe without a specially modified IF subchassis. In addition, the noise limiter is bypassed, and Hubbell reported that there was a regenerative effect which occurred at the BFO frequency, resulting in a peak in the audio response. Hulbbell implemented Lee's mod with a relay, which eliminated the regenerative effect. He also expanded Lee's mod by making the noise limiter operational with the product detector. But Hubbell's mod requires a special Potter and Brumfield relay (type PW5LS, 2 mA, 10K ohm coil) which now costs about \$100 retail, and the relaw must be mounted in a 7 pin miniature socket added to the IF subchassis. Hubbell's approach can be implemented with an ordinary low voltage relay, but then you will have to provide additional low voltage, high current, DC for the relay coil, and use a BJT to switch the relay on and off with the switched 200 wolt B+ line. There is hardly enough space to mount the necessary additional components. The military SSB converters are almost always large and heavy, and generally use many tubes (CV-157: 44 tubes, 125 lbs.; CV-1982: 23 tubes, mostly nuvistor, 30 lbs.). I have been rold that there is a small solid state SSB converter made by McGee Industries, but I have never seen one. The Hammarhand HC-10 converter (only 10 tubes) requires precise frequency alignment for whichever side band you want to use, or a wider than necessary R-390A bandwidth if you want to switch sidebands quickly. If you use a wifer than necessary R-390A bandwidth, then adjacent QRM activates the R-390A. A GC and degrades the performance of the HC-10. Finally, none of these product detector mods or add-ons does anything about the unsuitable R-3901 attack times and release times for SSB and CW.

For SSB an attack time of 2 milliseconds (mS) is often stated as optimal, while release times of 500 mS for fast SSB release and 2 seconds (S) for slow SSB release are considered suitable. My goal was to modify the R-390A AGC in such a way that attack times for all three AGC speeds (FAST, MED, and SLOW) were about 2 mS, and the MED and SLOW release times were about 780 mS and 2 S respectively.

My starting point was Cornelius' ACC mod, which speeded up attack times for FAST and MFD. The original Cornelius AGC mod removed R545, replaced R546 with a back pointing diode, and replaced R547 with a 10K ohm resistor. I developed a better variant of Cornelius' AGC mod by leaving R545, R546, and R547 unchanged, and adding two back pointing diodes, one across R546, the other across R547.

To improve the SLOW attack time, it was necessary to redesign the SLOW AGC circuit. In the SLOW AGC position, C551 is connected across the plate and grid of V506A. By unsoldering the wire at pin 1 of V506A (which connects lug 8 of S107 and pin 1 of V506A) and resoldering it to a convenient nearby ground lug (pin 8 of V506), the SLOW attack time problem was mostly solved. But with this change the SLOW and MED attack and release times are identical. So a new capacitor C1 was inserted from lug 9 of S107 to ground (after removing the original ground connection). Now in the MED position C1 is in series with C551, which permits the MED release time to be adjusted to a smaller value than the SLOW release time.

I don't like modifying an R-390A mainframe as a matter of general principle. However, the addition of C1 does not prevent using an unmodified IF subchassis. The MED release time with an unmodified IF subchassis will not be as slow as with an unmodified mainframe, but that is hardly noticeable.

At this point in my experiments the SLOW release time was about 500 mS, but a slow release time of 2 S was desired. I tried adding additional capacitance in parallel with C551, but that caused a slower SLOW attack time (and the SLOW attack time was already too slow at about 10 mS). To make the SLOW release time slower without increasing the SLOW attack time, R547 was removed (leaving only the back pointing diode in place of R547). I learned the hard way that this diode must have a very high back resistance, and that 1N34A and 1N270 germanium diodes are not suitable. A 1N4148 or 1N914 is suitable because they have a reverse leakage current rating of 0.025 microamps at the maximum rated voltage of 75 volts, which works out to a back resistance of about 3000M ohms. Thus, the AGC capacitars are forced to discharge through the 1.77M ohm combined resistance of R201 and R234 (a

^{* @} revision 2, June 6, 1990

voltage divider for the 6DC6 RF amplifier grid AGC voltage).

After R547 was removed the SLOW release time was too slow, about 3.7 S. To adjust the SLOW release time to about 2 S, C551 was replaced with C2. My final AGC mod is shown on the following simplified schematic. I used a scope to measure the release times, and confirmed that the release times can be calculated from the conventional T = R · C time constant formula (when R is in megohms and C is in uF, T is in seconds). So it is easy to select the values of C1, C2, and even C548 for whatever release times you desire. The time constant formulas are as follows: TFAST = 1.77 · C548, $T_{MED} = 1.77 \cdot \left(\text{C548} + \frac{\text{C1} \cdot \text{C2}}{\text{C1} + \text{C2}} \right)$, and $T_{SLOW} = 1.77 \cdot \left(\text{C548} + \text{C2} \right)$. For unchanged C548 $\left(= 0.1 \ \mu\text{F} \right)$, C1 = 0.47 μF , and C2 = 1.22 μF , the measured and computed

release times were about 180 mS, 780 mS, and 2.3 S for FAST, MED, and SLOW respectively.

Replacing C551 by the smaller capacitance (1.22 μ F) had the beneficial effect of speeding up the SLOW attack time to about 6 mS. The MED and FAST attack times were about 3 mS and 1 mS respectively. The SLOW attack time is not quite as fast as I wanted, but it is the best that can be done without more substantial modifications.

Like the Cornelius mod, my AGC mod increases AGC line voltage, which causes higher carrier level meter readings and reduces the signal levels at the diode detector, thus reducing audio output. The reduced audio output is not a problem because an R-390A has plenty of reserve audio gain. The increased carrier level meter readings should not be a problem for most R-390As. But if the meter pins on strong signals, there are two cures. Unsolder one of the meter leads and add one ohm resistors one at a time until the meter no longer pins on strong signals. The carrier level meter has a very low internal resistance, about 17.4 ohms nominal, so a small additional resistance will cause a large change in meter readings. The other cure is to replace R524 (680 ohms nominal) by a larger resistor. The best solution here is to add a 500 ohm, 2 watt, ten turn, wire wound registor in series with R524. In effect, this adds a meter sensitivity adjustment. The reduced signal levels at the diode detector has the beneficial effect of reducing distortion on SSB and CW.

The improvement in SSB quality caused by reduced signal levels at the diode detector, the difficulty of converting an R-390A BFO circuit to a product detector, and the defects of add-on converters motivated me to examine the possibility of further improving the diode detector for SSB and CW. In his May 1956 QST article, "Reception with product detectors," Murray Crosby, W2CSY remarked that proper reception of SSB may be obtained with a diode detector provided the signal amplitude entering the diode detector is less than or equal to the BFO amplitude.

I added a 47 pF 500 volt mica capacitor in parallel with the 12 pF BFO injection capacitor C535, and was pleased that most of the residual SSB distortion was eliminated. But when I measured the signal and BFO amplitudes I was surprised that a 50 dB unmodulated RF signal produced a 4 volt peak signal at the diode detector, and that the BFO was already 12 volts peak with the 12 pF injection capacitor alone.

Wally Chambers, K5OP provided the answer to this perplexing situation. In the 49th (1972) and 54th (1977) editions of The Radio Amateur's Handbook, page 239, it is said that the BFO signal amplitude should be 5 to 20 times greater than the strongest SSB or CW signal at a diode detector if distortion is to be minimized. The addition of a 47 pF capacitor across C535 increased the BFO amplitude at the diode detector to about 25 volts peak, which makes the BFO amplitude about 6 times greater than a 50 dB unmodulated RF signal. There is apparently some room for additional improvement. Wally suggested that replacing R530, the 22K ohm BFO plate resistor, with a 12 mH choke might further increase the BFO output, but I have not tried that. The 22K ohm BFO plate resistor is a large 1 watt resistor which is difficult to remove, and there is not much space underneath or beside the BFO bellows coupler for a 12 mH choke.

For Capacitors C1 and C2 I used 250 volt mylar, radial leads. For a 1.22 µF capacitor I used a 1 μF capacitor and a 0.22 μF capacitor in parallel. I used 1N4148 diodes from a Radio Shack package marked 1N914.

To add C1 you will need to remove the R-390A front panel. Unsolder and remove the end of the insulated stranded wire, nominally white insulation, at pin 9 of S107. Clip one or more loops of cable lacing which secure the white wire to determine if the other end is connected to lug 1 of the LIMITER potentiometer R120. If so, the white wire may be removed completely. Tie the loose end(s) of the cable lacing. If desired or necessary, use new cable lacing to tie new loops where the old loops were removed. If the white wire does not terminate at pin 1 of R120, or if you do not want to remove the white wire, you can add a small insulated 4-40 standoff to the top screw of S107. If there are not enough screw threads to mount the insulated standoff securely, you will have to remove the nut and/or lock washer. And if the nut and screw threads are painted with varnish, you may have to remove S107 from the front panel to access the screw head. A hot soldering iron tip can be used to soften the varnish so that the nut can be removed without stripping the screw head or rounding off the nut (they are small and nominally

R546 is usually connected to pin 1 or 2 of socket XV509 and to an insulated standoff. It is easy to add a diode across R546. The cathode lead of the diode can go to either pin 1 or pin 2 of XV509, and the anode lead of the diode goes to the insulated standoff.

R547 is usually connected to pin 2 of socket XV506 and to an insulated standoff. How easy it is to remove R547 depends on the order in which the other wires are mounted on the insulated standoff. You may have to temporarily remove other wires to access the R547 lead. Be careful uncrimping the lead of R547 at pin 2 of XV506. It is easy to break a tube socket lug. The cathode lead of the diode goes to the insulated standoff, the anode lead to pin 2 of XV506.

C551 is not removed from the IF subchassis, and one lug of C551 is used as a tie point. Remove C548. One end is usually connected to a ground lug beside XV509, the other end to one of the C551 lugs. Save C548 in case you want to undo my mod. Unsolder and remove the end of the insulated stranded wire, noninally white with blue and black tracers, attached to the same lug of C551 to which C548 was attached. Take a 4.5 inch length of insulated, stranded, tinned, #22 wire, strip 0.5 inch of insulation from one end, strip 1 inch of insulation from the other end, remove the solder from the lug of C551 to which C548 was not attached (this lug of C551 should have attached to it an insulated stranded wire which is nominally white with blue and red tracers), run the short stripped end of the stranded wire through this lug of C551, crimp it, and solder it. On the metal panel beside C551 there are two Phillips head screws which mount ground lugs in adjacent compartments. Remove the screws and reverse them. Mount two small insulated 4-40 standoffs on the screw ends. If there are not enough threads to securely mount the insulated standoffs, you will have to use longer screws. Mount C2 on the two insulated standoffs, attach the free end of the wire removed from C551 (white with blue and black tracers) to one standoff, add a 0.1 µF, 250 volt, mylar capacitor running from that same standoff to the ground lug from which C548 was removed (this 0.1 µF capacitor replaces C548), attach the free end of the new stranded wire added to the other lug of C551 to the other insulated standoff, and resolder or solder all remaining added or changed lugs.

To add a 47 pF capacitor across C535 you must remove the BFO PTO bellows coupler. The spline set screws in the bellows coupler are painted with varnish. To remove them without stripping the splines, use a 45 watt 900 degree soldering iron to soften the varnish. Apply the hot iron tip directly to a set screw for about 30 seconds, and then apply reasonable pressure with a spline wrench. If the set screw does not release with reasonable pressure, apply the hot iron tip again for about 30 seconds.

You may wonder why Collins did not design the R-390A AGC this way and save us all the trouble of modifying the AGC for fast attack and slow release. And why did they use the Miller effect circuit for the SLOW AGC circuit? After all, the Miller effect SLOW release circuit in an R-390A has the disadvantage of being slow (200 mS) attack. I learned what I believe is the answer quite by accident: reliable SLOW release.

As I was developing my AGC mod, I discovered to my amazement that the SLOW release time got faster as the R-390A warmed up. I first noticed this effect by observing the carrier level meter. Did I imagine it? No. Scope measurements confirmed that the SLOW release time gradually decreased from about 2 S shortly after turn on from a cold start to about 500 milliseconds after 30 minutes. The cause was traced to a gassy 1st IF amplifier tube. It appears that Collins used the Miller effect SLOW AGC circuit because it is not effected significantly by gassy AGC controlled tubes.

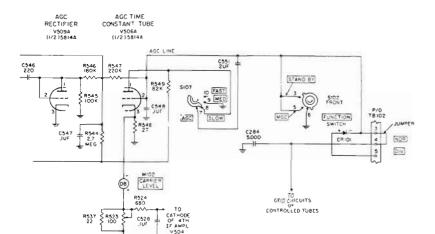
That's the bad news. The good news is that it is relatively easy to determine if a gassy tube is degrading the SLOW release. Merely observe the carrier meter descent rate when you tune quickly away from a calibrator marker shortly after you turn on the R-390A from a cold start, and then observe the descent rate about 30 minutes later. If the descent rate is noticably faster, then one or more gassy tubes may be the cause. The most likely candidates are the 1st, 2nd, and 3rd IF amplifier tubes. One of these three tubes was gassy in two out of three IF subchassis I have modified. Naturally, these bad tubes tested good on a tube tester. The RF amplifier and three mixer tubes are also candidates, as well as the 4th IF amplifier, AGC amplifier, and perhaps the AGC time constant tubes.

I was concerned that my AGC mod should not degrade the excellent AM performance of an unmodified R-390A. It does not. In two modified IF subchassis I included a 330K ohm resistor in series with the diode which replaced R547 and a switch across the resistor. In effect, this provided switched attack times, slow attack for AM and fast attack for SSB and CW. After considerable listening I have concluded that there is little benefit to switched attack times. A few listeners, like me, may hear a small amount of very low frequency (below 50 Hz) audio distortion on AM signals using the FAST AGC speed with fast attack with the 455 KHz IF output feeding an AM synchronous detector followed by a hi fi amplifier. But most listeners will not notice any difference between fast and slow attack. If you have no interest in SSB or CW, there is hardly any reason for you to do my mod because it does not improve AM performance. Of course, with the original R-390A AGC it is annoying that the carrier meter pins for several seconds when switching between SLOW and MED. That does not happen with my mod.

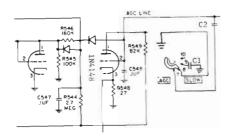
I would like to express my appreciation to Wally Chambers, K5OP for sharing his experiences modifying R-390A AGCs, and for discussing many of the ideas in these mods.

The Challenging Crystal Set

For hobbyists demanding the ultimate DX challenge, Ray Cole's publication detaling step-by-step procedures in building a crystal set is for you! Only \$3.00 ... order from the Publications Center, or use your Visa/Mastercard by phoning (608) 423-4159. Overseas customers, please write.



After Modification



<u>IN THE BECINNING</u>

BY JOHN D. BOWKER

THIS IS THE COMPLETE LIST OF U.S. BROADCAST STATIONS ON THE INDICATED FREQUENCY AS PUBLISHED BY THE FEDERAL RADIO COMMISSION IN 1934. "S" MEANS SHARED; "SH" MEANS SPECIFIED HOURS; "T" INDICATES TRANSMITTER LOCATION; "D" MEANS DAYTIME OPERATION ONLY; "U" MEANS UNLIMITED TIME.

LUCATION; D	MENNS DAT	ITHE OPERATION UNLT; "U	MENNO ONE	THILED ITHE.
Frequency (kc)	Call letters	Main studio and transmitter location	Power	Time designation
710, clear	WOR	Newark, N.J	5 kw	U.
720, clear 730, Canadian exclusive.	KMPC WGN	Beverly Hills, Calif Chicago, Ill T—Elgin.		L-WOR. U.

Bandscans

Chris Cuomo

670 Third Avenue Verona, PA 15147-1349

Audible stations from a DX'er's location at given times.

CHRIS CUOMO		1050 WROS Jacksonville	1
LAKE BUENA VISTA, FL		1060 WAMT Titusville 1070	1
'85 Delco ETR		1080 WFIV KISSIMMEE	5
		1090	
June 23-29, 1990		1100	
various times		1110 WTIS Tampa	3
540 WETO FINE HILLS	5	1120 1130 WWBF Bartow	2
550		1140 WOND URLANDO	4
560 WQAM Miami	2	1150 WTMP Temple Terrace	2
570 WINN Pinellas Park	2	1160	
580 VOBO URLANDO	3	1170 WAVS Davie	1
590 600 WOKY Jacksonville	1	1180 YOA Marathon	1
610 VIII) Miami	2	1190 WAJL PINE CASTLE	5
620 WSUN St. Petersburg	3	1200	
630	5	1210 1220 WKJK KISSIMMEE	5
640 WHOF Wildwood	2	1230 WONN Lakeland	3
650		1240 WMB Melbourne	2
660		1250 WIAE Tampa	2
670 CMQ Arroyo Arenas, Cuba	1	1260	
and WLFF St. Petersburg	2	1270 WB2S EATONVILLE	4
690 WPDQ Jacksonville 700	2	1280 WIPC Lake Wales	2
710 WAQI Miami	3	1290 WTMC Ocala	3
720 WRZN Hernando	2	1300 WXXII Cocoa Beach	3
730 WVTK Lake Placid	2	1310 WYND Deland	2 1
740 WWNZ Orlando	5	1320 VFKK Coleman 1330 WWAB Lakeland	4
750		1340 VITS Sebring	2
760 VEND Brandon	3	1350 VLRQ Cocoa	1
770		1360 WHAR CYPRESS GARDENS	5
780		1370 WOCA Ocala	1
790 WLBE Leesburg	3	1380 WRBQ St. Petersburg	4
890 810 CM unid Cuban	1	1390	
820 WRFA Largo	3	1400 WPAS Zephyrhills	2
830	3	1410 WQBQ Leesburg 1420 WBRD Palmetto	3 1
840		1430 WLKF Lakeland	4
850 WRUF Gainesville	1	1440 WPRD WINTER PARK	4
860 WWKO Cocoa	3	1450 WWJB Brooksville	1
870 CM unid Cuban	2	1460 WBAR Bartow	2
880 890		1470 WLYU Dunedin	3
900 WAND Ocala		1480 WYCL OCOEE	4
910 WPLA PLANT CITY	1 4	1490 VSIR VINTER HAVEN	4
920 WMEL Melbourne	1	1500 1510 WWBC Cocoa	2
930 WLYF HAINES CITY	5	1520 VII.N Apopka	3
940 WINZ Miami	1	1530 VJGC Jacksonville	1
950 WORK ORLANDO	5	1540	_
960 WJCM Sebring	1	1550 WAMA Tampa	3
970 WFLA Tampa	3	1560 VIAI Melbourne	3
980 WLUS Gainesville	1	1570 WIWE AMERICANIALE	5
990 WHOO URLANDO 1000	5	1580	
1010 WONG CRESTYLEY	4	1590 WEXE St. Petersburg Beach 1600 WXTO WINTER GARDEN	1
1020	•	TOUR WATER WARRIER	•
1030			
1040 WHBO Pinellas Park	3		
		1010 AM/Stereo 103.9 I	-M

DUNCAN SHAW SAN RAFAEL, CA July 26-31, 1990 various times 540 KPUP Carnel 550 560 KSFO SAN FRANSISCO 570 580 KMJ Fresno 590 600 610 KFRC SAN FRANSISCO 620 630 640 KFI Los Angeles 660 KTNN Window Rock, AZ 670 680 KNER SAN FRANSISCO 690 XETRA Tijuana, BN 710 KFIA Carmichael 720 KDWN Las Vegas, NV 740 KEBS SAN FRANSISCO 750 KM. Portland, OR 760 KFMB San Diego 770 KPLA Riverbank 780 KROW Reno, NV 790 KABC Los Angeles 810 KGO SAN FRANSISCO 820 830 840 KVEG Las Vegas, NV 850 KOA Denver, CO 860 KIRB Modesto, CA 870 KROL Langhlin, NV 880 KKMC Gunzales 890 KUXU Saint George, UT 910 KNEW GAKLAND 930 940 KFRE Fresno 960 KABL DAKLAND 980 KFWB Los Angeles 990 KIXA PITTSBURG 1000 1010 KIQI SAN FRANSISCO 1030 KJOJ Sam Luis Obispo KTWO Casper, WY 1040 1050 KOFY SAN MATEO 1060 KPAY Chico 1070 KNX Los Angeles 1090 XEPRS Tijuana, BN 1100 KFAK SAN FRANSISCO 1120 KPNV Eugene, OR 1130 1140 KRAK Sacramento

1160 KSL Salt Lake City, UT 1170 KLOK San Jose 1190 KNBA VALLEJO KEK Portland, OR 1200 1210 1220 KDFC PALO ALTO 1230 1240 1250 KTMS Santa Barbara 1260 KOIT SAN FRANSISCO 1270 KPLY Sparks, NV 1280 1290 KHSL Chico KAZA Gilroy 1310 KDIA DAKLAND 1320 1330 1340 KMMY Watsonville 1350 KSRO SANTA ROSA 1360 1370 KEEN San Jose 1380 1390 1400 KBFN BERKELEY 1410 1420 1430 KJAY Sacramento 1440 KYON NAPA 1450 KEST SAN FRANSISCO 1460 1470 KKUA Sacramento 1480 KWIN CONCORD 1490 KTOB PETALUKA 1500 KSJX San Jose 1510 KTID SAN RAFAEL 1520 1530 KFBK Sacramento 1540 1550 KMMI SAN FRANSISCO 1560 KPMC Bakersfield 1570 1580 1590 KLIV San Jose 1600 KIEA Yuba City 1610 TIS NEWARK

The Broadcaster's

Guide to DX

A tri-fold guide for use with reception reports explaining DX'ing, how the NRC was formed, and the importance of QSL's to DX'ers. Versions also available in Spanish and French. US\$1.50 for 20.

Available from the Pub Center.



Frequency Deviations

Raymond F. Cole

Rt. 3, Box 304 Cape Girardeau, MO 63701-9543

Observations of measured frequency deviations and associated activities

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There is a 90% chance of a 5.0 to 6.5 quake on the West Coast on the 21st or 22nd. Most probability: near Los Angeles on the 21st. Second most probability: near San Francisco or northward on the 22nd. There is a slim chance of a 12 hour "trigger time" delay on these.

7. M

A 4.0 hit 35 miles south of San Jose at 9:59 my time here, followed by a 3.0 early the next morning at Menlo Park, perhaps a few hours earlier than stated in the note above. (Do a 4.0 plus a 3.0 equal a 7.0?)

The above projection was determined on 9-15-90, 9:45 AM, local time. The following were either given copies of the above note, or told about it by phone on the dates noted below.

On the 16th, by phone - On the 18th, by note copies - Harold Drysdale

Mike Gray Sander True Value Hardware First Assy. of God
(5 persons)

On the 17th, by phone - Don Pritchard Southeast Missouri Machine Shop

Edden Shrum (3 persons)

On the 18th, by note copies - Harold Drysdale
(4 persons)

Alvin Hatch
On the 19th, by phone - Don Atkinson
Brian Allworth

Edison Shrum (3 persons) Brian Allworth
Harley Rutledge (5 persons) Bob Flick

Ratkelis (5 persons) Bob Flick

These represent (not in order) a president of an investment corp., a minister, a physics professor, an emergency medical coordinator, three business owners, a T-V meteorologist, a radio talk show host, a highway engineer, a geologist, an author/geologist, a machinist, a retired electrician, and just friends. 29 witnesses who all know something about my past accuracy.

All of the preceeding should speak for itself quite eloquently. This is written very late PM on the 24th. And the pressure is still on for the West Coast - so I expect more, probably next weekend, or as late as Tuesday.

A previous study covering 5/22 thru 7/6 showed 24 "warnings" here followed at the proper time intervals by 22 quakes westward (plus a "warning" right after that study period that did not result in a quake). (88%).

But the "experts" (who predict in terms of decades) say that there is no more risk of a quake on a given day than on any other day. And to predict risks of quakes on the West Coast based on findings in Missouri is simply too ridiculous to even mention. Especially - I find - when it comes from a source with no academic credentials.

I am 68 years old and my remaining time is very precious to me. I do not intend to continue spending all of my time and efforts on an unrecognized and thankless effort without funding for a badly needed net of monitors to cover a 120 mile seismic zone, without a data gathering capability, without a data processing capability, and without the means to further explore for better understanding of causatives. (And a grant application last Spring was denied). At times, even sufficient postage stamps have been a burden.

Nor do I wish to follow up on my invitation from the Moscow Academy of Science to participate in a research program there.

As things now stand, I intend to shut down this effort about March 1, 1991. After four and a half years I will say "enough is enough".

(I also had a letter prepared in event no quake occurred as per my projection, since I believe in reporting dismal failures as well as success. Herewith, that letter goes in the wastebasket.)

9-24-90 Ray Cole

Musings

of the Members

Dave Schmidt P. O. Box 11502

Wilmington, DE 19850

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.

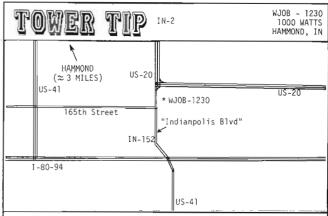
JOSEPH K. JOHNSON - 3119 GIBBONS STREET - SAVANNAH, GA 31404-4910 Greetings from America's first planned city! It's now October, won't be long until we'll be DX'ing everywhere. I was hoping to have an answer from ABC Talkradio about their rumored demise mentioned by Bob Anderson this past June, on his early morning talk program. Thus far, they haven't answered my letter. Not much to Muse about with the exception that I'll be keeping my eye on the local radio market for any future changes. That's it for now, so-long!

CESAR OBJIO - CALLE ENRIRUE HENRIQUEZ 69 - SANTO DOMINGO, DOMINICAN REPUBLIC Hi, friends, here I am again, too soon, I think, as I am not used to Muse so often! But, happy to be here again! After a long delay, I received DX NEWS #28 July 30 issue on SEPTEMBER 4th by AIR MAIL, can you imagine that? But it was returned to Topeka according to a note written by the PLS and marked in green requesting the USPS not to delay it. But I may add, the US postal service is wonderful if you compare it to ours. For instance, Clasica Radio, the classical music station on 97.5 mhz. At the end of the month, they send me the up coming month program schedule by local mail. We are less than 3 miles away and I usually receive it at the end of the FOLLOWING month when it is already useless! (Someone else must want to read it then send it to you-DS) The important thing in DX NEWS, I read a short note about a Super 12-655 from Ray Cole, what a great idea? When I attended the Atlanta convention in '78, some members presented several changes they made on the Radio Shack TRF, one was a digital readout, another added a signal meter, etc., and they were not electronic engineers as far as I know, so why can't Radio Shack do that with the same circuit as the TRF? Now, my idea is for all club members interested in this type of set, write to Radio Shack regarding them to produce this unit again. What do you think? Lots of 73's to you all!

RICK DAU - RR2, BOX 64 - OAKLAND, IA 51560 Hello again from the Hawkeye State! The 4 day trip to MN that I hinted near the end of my last report did see the light of day, and it was worth it. On Sat. 8/4, I departed with Fargo, ND as my 1st stop. Around noon, I made a stop in Fergus Falls, MN. While there, I noted a sign on a one story building near I94 that read "The Future Home of KJJK-1090." Curious, I knocked on the door and was greeting by a friendly lady who filled me in on the details, namely that construction was proceeding well and that KJJK should be moving in around Oct. or Nov. After the visit, I headed west on I94 to Fargo. After unpacking, I visited KFNW-1200 where weekend DJ Dennis Swanson gave me a good tour. Dennis also mentioned he had worked for KCAM-790 (who ran a DX TEST this past season) about 10 years ago. After a stay in Fargo, it was back to Fergus' Falls for a stay there. In the afternoon, I went to my family's old vacation spot on the north shore of Otter Tail Lake and did a bandscan. Heard Duluth, Winnipeg, Regina (SK), Bismark and even Omaha! Before leaving, I visited KBRF-1250 and was given a great tour by OpM Barbara Vangrud. She was interested in the issues of DX WYWS that I showed her and was given many promo items in return. 100 miles to the south, I stopped off at Montevideo's KDMA-1460 (the calls stand for Dawson-Montevideo-Appleton, the immediate cities the station serves), and PD Dwight Mulder and News Director Mike Dupree gave me a good tour and additional promo items, including a jar opener! I paid a late afternoon visit to NRC'er Bill Moser in Lake Preston, SD before continuing south to Sioux Falls. Before leaving, I visited KKRB-1000, where PD Ratt Reno showed me around. He was interested in the Radio West Loop I showed him and mentioned he had done some BCB DX in the past. Then, east to KWOA Worthington, MN where DJ Larry Rogers was getting ready to head out to a remote but did give me a tour. Overall, it was a fun 4 days! Next report will have details on my convention trip! 73's & so long from The Farm!

PETE KEMP (KZIZ) - P O BOX 73 - BETHEL, CT 06801
Greetings all. Hope that all had fun at Pittsburgh! Roger Barkley, formerly teamed with Lohman for 24 years will team up with Ken Minyard on KABC as of 10/1. Geri London's Horoscope Report on WLAD-800 has been moved from 2-3PM weekdays to 7-8PM Mon./Thurs. I wonder if she would be a good DX'er? (Yeah, ID the station before it gives the calls-hi!-DWS) President Bush has declared Radio Marti a success and has found \$16 million additional to upgrade programs. Stateside AM broadcasters fear additional retaliation from Castro's mega watt stations causing additional interference. Del DeMontreux, longtime fixture on WHN-1050 during CW days, later moving to WPAT, can now be heard on WYNY doing CW. So much for now!

DAVE SCHMIDT - P O BOX 11502 - WILMINGTON, DE 19850
That is everything received for the last 2 weeks, not much. We still have additional reports from Rick Dau & Pete Kemp for next time. Keep in mind, if you want to have a weekly column, then you've got to support it. All reports are welcomed, reporting DX or information which is of interest. Semi-locally, WTYO-1580 has gone dark, citing the general decline of revenue as the reason. One FM change, WXPN-88.9 Philadelphia is scheduled to switch to 88.5 on 10/9. That's it, reports are requested for the column! 73's!





WHAT TO LOOK FOR: A single self-supporting tower right next to the MJOB studios. While parked under their tower, 1220 and 1240 kHz were clean of any splatter!

CONTRIBUTED BY: John S. Bowker - Valparaiso, IN

Send information about a.m. broadcast towers in your area to John D. Bowker, 14 Canoe Brook Drive, Princeton Jct., NJ 08550. Include a simple map (Bowker may re-draw it) showing major highways and any other terrain features near the tower(s). Tell how many towers, how they are laid out, and any other features that will help in spotting them.



WHAT TO LOOK FOR: A single tapered tower at 520 North Pleasant Valley Road near the center of town (Interstates run all around Winchester just off this map in all directions). Studios are located at this site too.

SUBMITTED BY: Perry F. Crabill, Jr., Winchester, VA

Send information about a.m. broadcast towers in your area to John D. Bowker, 14 Canoe Brook Drive, Princeton Jct., NJ 08550. Include a simple map of the nearby highways and landmarks. Tell how many towers, how they are laid out, and any other information that will help in spotting each station.