20, Serving DX ers since 1933 1993

Volume 61,

No.

12

December



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:	پ	C'Est Calendar	
£	Freq	Date	EST Time
#CGC	1270	Dec. 20, 1993	0000-0030
SWCIA	1480	•	0100-0200
KWNC	1370	Dec. 20, 1993	0300-0330
NOA	1440	Dec. 27, 1993	0300-0330
KOKE	700	Dec. 27, 1993	0330-0400
ZIMIA	1270	•	0100-0300
HISA	<b>5</b> 4	Jan. 3, 1994	0200-0230
#SB	750	Jan. 9, 1994	0000-0500
KURL	730		0230-0300
<b>VIOX</b>	1010		0500-0530
KWC0	1560	Jan. 16, 1994	0105-0200
W)B	740	Jan. 17, 1994	0130-0200
<b>\$00</b>	1420	Jan. 17, 1994	0130-0230
#JIB	740	Jan. 24, 1994	0130-0200
ACVA	940	Jan. 29, 1994	0230-0300
WFRM	90	Jan. 31, 1994	0030-0100
MEN	1340	Jan. 31, 1994	0030-0100
INYW	930	Reb. 1, 1994	0200-0230

Morse code and tones. Reception reports may be sent to: Mr. Michael Martindale (KB6RQH), Dir. of Engineering. Arranged by J. D. Stephens for the IRCA between 3:00 and 3:30 am EST. The test will include will conduct a DX test on Monday, December 27 KVON-1440 - 1124 Foster Road - Napa, CA 94558

reports may be sent to Mr. Douglas Brown, PM. Arranged by J. D. Stephens for the IRCA CPC From the Publisher ... IDXD isn't running this issue; in spite of Jim sending me two files on a disk, include Morse code, 4:00 am EST Monday December 27. The test will CA 93905 will conduct a DX test between 3:30 and KQKB-700 - 1514 Moffett Street, Suite I - Salinas tones, and Music. Reception

neither produced a complete file for his column.

fee will be charged for lodging. For more information, send an SASE to Ernie at 13312 Westwood Lane -Omaha, NE 68144-3543 no later than January 14, or held January 28, 29, and 30 at Calvin Crest Lodge. NE, but the Black Hole between my ears led me I thought I had run a short notice on Ernie Wesolowski's 2nd Annual DX pedition near Fremont, astray (again). Sorry, Ernie. The gathering will be

> tirst-come, hirst-serve basis call him at (402) 330-7758. Availability, for 14, is on a

38173 ing Tuesday, Jan. 18, at the Bartlett Public Library, 6382 Stage Road, Bartlett, and will continue to meet the third Tuesday of each month. Any interested in DXing is welcome. For more information, write or call at (901) 873-4291 or P.O. Box 3888 - Memphis, TN DX Club, the Memphis Area Shortwave Hobbyists (MASH). They'llhold their first organizational meet Jim Pogue is coordinating the formation of a new Club, the Memphis Area Shortwave Hobbyists

'50's sounds at Box 1433G - Maplewood, NJ 07040 ... and G & C Communications - 9247 Glenwood Drive scanners, repair services, parts, repairable scanners, ing tapes of radio specials and airchecks plus other test equipment, and ICOM receivers. Tell em all the Leroy, NY 14882 has a catalog listing new and used DXChange ... Non-member John Kurtz is offersent you!

 Raymond, NH; and Mike Bates - St Paul, MN Welcome to these new members ... Allen J. Haydon

Holiday Greetings ... to DX ers and their families no matter what their faiths. We wish you the bestthat

and mail crush. Watch for it! 73-pls cial, although you may receive it a day or so late because of the holiday the season can bring.
Nextweek's DX News will be speit a



### DX Time Machine

From the pages of DX News:

on 640 kcs with 10,000 watts... Newton McLeod, Dixfield, ME heard VONF, ZNS, WHEC, and TGW simultaneously KFAR, Pairbanks, AK moved from 610 to 660 kcs. 50 years ago ... from the Dec. 18, 1943 DXN

ģ weighed a ton; and that all the bulletins hid edge amount of G. P. Nelson. Nelson noted that the average man-hours per week to produce DXN was 40; that the The publishing crew included Tom Holmes, Sullivan, Randy Kane, Ray Moore, Stan Morss, edge would cover three acres. 25 years ago ... from the Dec. 21, 1968 DXN: paper used to produce one year's DM Ĕ

10 years ago ... from the Dec. 19, 1983 DXN; The FCC dispensed with most of its call letter rules.

## AM Switch

Jerry Starr c/o WHOT Radio 4040 Simon Road

Status changes in AM stations, supplied by the FCC and listeners Youngstown, OH 44512-1320

1170 CALL LETTER CHANGES 1340 1050 Old call: expired but they have asked the FCC to reinstate it, \*The CP for a new 1030 station in Point Pleasant, WV 1030 WISH KSTT WICK Fresno Davenport Eau Claire Point Pleasant New call: KKIR KJOC C MEIO WBCS

APPLICATIONS/CRANTS FOR NEW STATIONS

for WTCR a few years ago was set aside.

listing the call as WBGS so evidently their request

APPLICATIONS FROM EXISTING FACILITIES 1380 KIFO HI Pearl City: modify CP for 10000/5000 U1 to 6200/6200 U1 207 MIOTOWN PLAZA PO BOX 40400 ROCHESTER, NEW YORK 14604-0900

None GRANTS TO EXISTING FACILITIES

#### OTHERNESS

- 1240 KMCL ij McCall: silent station reported to be ON THE AIR somebody in that area confirm this? dropped in favor of returning to NMCL. and using the call KZID. We show this call being Can Can
- 1340 S S S 8 Denver: 12/1/93 silent station is ON THE AIR, returned

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Š Æ Dewitt: Sierra Vista: last issue we listed this (under silent, may now face a stiff fine and loss of Calls) as CA. Oops. It is in AZ (ex-KMFI) license) the FCC for not submitting a request to remain station is SILENT (and in trouble with

Wayne Heinen, Ed Krejny, MSJ

73 and Good DX, > 11my & BKF Jerry Starr & Buffalo K. Foorman

# Log Book Undates Needed

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Ilroent help :	needed to obtain	=	1010	WXLX	Albemarle	NC
Addresses and	Phone numbers for	for the	950	WNCC	Barnesboro	PΑ
stations listed i	e e		620	WHJB	Greensburg	PA
10000	H	and a reference	89	WPFD	Fairview	Z
updates to wayne	Heinen,	Andes	1340	WKGN	Knoxville	Ħ
Aurora, CO	80013-3831		ŝ	KERB	Kermit	Ķ
Freq. Call	City	State	1000	KBB B	Marion	¥
	Costa Mesa	ÇA	1530	KCLR	Ralls	X
	Beverly Hills	S	1010	KTUR	Tooele	S
	Ovjedo	Ξ	98	WLVA	Lynchburg	X
	Waycross	GA	1110	WZAM	Norfolk	٧A
850 KHLO	Hilo	H	1580	WPUV	Pulaski	VA
	Haiku	H	1550	WVAB	Virginia Beach	VA
	London	2	1210	KBSC	Auburn	WA
	Paris	3	1470	WHRD	Huntington	٧W
	Clare	M	1430	WEIR	Weirton	¥
			880	WYKO	Sabana Grande	PR

### **Domestic** DX Digest

West: Bill Hale East: Dave Braun

495 Creekview Drive - Meridian, ID 83642-3241

11 Mill Bend Acres • Wyoming, DE 19934-9523

(Division line is between East and Central time zones)



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

#### DDXD-W



## MEDIUM WAVE RAMBLINGS



- ☐ Christon Rigan, from the northwest side of Chicago re-joins our clan. Welcome back! And a hearty Howely do goes out to new reporter Bruce Reproducts of San Jose, California. Besides a nice sampling of recent DX from San lose, Bruce wholloped me with his Graveyard lists from both his former QTH of Warrensburg, Missouri, as well as the most recent loggings from San Jose 238 in all! Good to have you on the DDXD-West buckboard.
- As mentioned before, your loggings may be sent here via ProdigyO at MIFH12A. I finally received a response from the ProdigyO folks about Internet. Seems they've just gone "online" with this service. So, if you aren't on ProdigyO, but are on Compuserve, America Online or another service which offers internet capabilities, you can now send messages to me at MIFHI2A@prodigy.com. I'm working on getting capabilities to go the other way, also. So if you don't get a reply back, it's not because I didn't receive your message, or don't wish to respond. I'm just not set up for that yet. Except for ProdigyO, that is.
- And Chris Kraight notes he reversed the speaker leads on his Superadio III due to another's report. This them good. Bob Strucke has figured out the cause of his 900-1100 kHz noise problem. His water heater. And BB McCunkan reports his power company changed out the transformer increased performance on FM, but floor noise on AM came up considerably, so he put the leads back. I've read several comments in DX News and on Fido-Net concerning the "III" ... most of feeding his house, with great results in correcting his "buzzzz" most of

#### SPECIAL

	<b>198</b>	960	540
	WMVP	KIRB	KIRZ
Sports, WLUP	Į	δ	Ω
Sports, except for the <u>Steve Dahl</u> morning drive show, and some of the weekend WLUP-FM simulcasts, (CR-II) [So what are the CLs of 1290 up in Milwaukee? We haven't had an AM Switch item on those guys · Ed.]	Cheego - 11/18 0800 - The WMVP CLs became official today. All	Modesto - Dropped C&W for SS talk on 1 November. (BR-CA)	Cannel Valley - Switched to SS language in mid-November. (BR-CA)

XXE **AHBW** C&W format, per legal ID on WDRM. (DS-TN) Mitchell, Illinois site. Finances are tight. Change your Logs. (EB-MO) NO Feaths-St. Louis - Through monitoring, the CP for U4 50000/500 is NOT ON. If it were they would have 8 towers instead of the current 6 at their Hantaville - 11/24 1004 - Now | WHOS-800 and WDRM-102.1 with

KLYJ ID Mountain Home - Is now all talk, 24-hours. With the exception of <u>Rush</u> Limbaugh, programming is from the Independent Broadcasting Network, including <u>Sonny Block's financial advise program. [Rd-ID]</u>

1240 1230 1010



## AM Station Map Book, 2nd \$8.00, postpaid.

to the AH Radio Log. Now easier to read than ever, the 170 page book is three-look Edited by DDXD editor Bill Hale, this book of station location maps is a com punched for a ring binder. Order from NRC Publications - Box 164 - Manusville, N 13661. NY orders, please add sales tax.

1450

KMH TX Menthall - Word from the 11/23 edition of the Marshall News-Massanger via Mile Decker, is that KMHT-1459 will be returning (may have returned by the time you read this) to the air with generally a news/talk format. Seems the station was donated to Wiley College by former owner (and heavyweight champ) George Formusa, and the college has entered into an LMA with the owners of KZEY in Tyler, who will operate the station, along with their FM on 103.9.

CA Sun Jose - Has been off inhumitizatly between 0100 and 0900 Monday mornings for several weeks. This is probably connected with preparations for diplexing with KKSJ (ex: KEEN) -1370, so more such down time would seem likely. (BR-CA)

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KYBR

San Francisco - 11/25 0020 - With sports talk, with talk about the

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KRMY

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CA Capitola - Ex: KLAU, using this call and playing hard rock. Standard, legal ID is KBMY, Capitola 1540 Underground. (BR-CA)

## UNIDs and UNID HELP



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S over the air . Ed.] 7? - 11/18 2010 - With a repeated message saying CBS Networks Charwel 43. (SW-OR3) [Sounds like a satellite feed being mistakenly broadcast enybody pin this down for you - Ed.] any number of stations, but . . . sounded like Maxico . . . isn't going to help - 11/16 1959 - With ad for Fox TV 30, fading into variety of music. 11/20 0344 - With Right outside Convey. Looped E/W. (TB-TN) - 11/21 2002 - Sounded like Mexico. (SW-OH) [It could have been

S Jazz Broakowi in Kamusa City. No CLs given. (MD-TX) [Probably K.H.A Independence, MO - Ed.] (HOAKS) - 11/21 1010-1045 - Fair with [????- Ed.]. NOS/OLD mix, promo for

1510

1350

1340

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## DX AND EQUIPMENT TESTS

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KBOE KWSU KBOR pulled plug at 0112, leaving KTRH, and in their null ... GOT ISM GOOD more CDs from KBOE. No voice or music heard. Continuous tone, 30-45 seconds in duration at 0110 and 0116 with CIDs for remainder of each 5 minute block. Only heard CL... never QTH. New for #730. Moved to other stuff at IA Oskshoosa - 11/21 0100-0200 - Tuned in 5 minutes late to hear KRMG sign-off for maintenance. Heard KBOE tone and CIDs weak under CBL. CBL Onkadoosa - 11/21 0145-0159 - Poor with CIDs only. (IR-IL)

> 1 1340 1250

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**788**0 WA Pullman - 11/29 0360-0409 - Heard at times with faint CIDs, mostly under KTMS/KHOT and KOIT-1260 slopover. Also some march music and some talk including mailing address at 0334. (BK-CA)

1250

et al + heavy WIVB-1260 splash. Sounded like someone was testing . . . long periods of 4 to 8 kHz tones ... but no CIDs. (TB-TN) Pullman - 11/20 0300-0400 - Tried, not heard in blob of WTMA/WEMP/

日本 CT Millord - 11/22 0530 - Not heard Only KSTP & bits of XEAI. (SA-MB)
MO Macon - 11/20 0100-0130 - Not heard. Only strong KNZR & KKHI1550 slop. (BK-CA) Not heard. Only KKAA & KCJI. (SA-MB) Tried. Not heard. Only monsters WPAD and WQEW. (TB-IN)

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## MIDNIGHT TO 0800 HOURS ELT

WWNC ₹ and ID. CA Los Angeles - 11/23 0225-0235 - Weak with KIT Newscenter news Signal in and out. (MD-TX) Reghns - 11/17 0059 - Poor with CBC Radio ID, barely audible under . Also CBC news with story about Public Sector Unions. (IR-IL) 8 Asheville - 11/25 0022-0024 - With NBA Scoreboard, weather forecast Wirnipeg - 11/29 0032 - Very good and alone with Oldies Coast-to-Heard two years ago in Palmyra. (BS-NE)

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S CKX CKNB CHQT SE SE WORX ΚÜΑ Æ KCF WA.JR WKCX WIRW WKGO COX KI.V KASR KRYR WIAE 200 Western U.S. => High today here in Las Vegas 220 with wind chill near 00 => Nevada weather with high in the 40s with temperature dropping to a whopping 10 above zero, that with wind chill factor it should fall below zero. Š WI Two Rivers - 11/28 0316 - Popped through mush, with usual pest WYFN down in the same, with weather forecast, CLs. CWM (£B-MO) æ several IDs and local ads (CK-CO) proudly presents another day of service ?? for over the years ?? Iteratmitting on 1450 kilottents. Stay with now for another day of new information and PA Fitaburgh - 11/20 0403 - With ID and weather Rare here - SRS conditions beginning - 22zzz took over (TB-TN) AB Fort McMarray - 11/21 0710 - Good with C&W music on Today's Country, CIOK (SA-MB) tonight have in Las Vegas  $\frac{22}{KEUL}$  Enjoy your Thanksgiving with all of us have at KLAV and (sister station) KFUL (?) (JB-TX) music and CKRX Rocke (Ds. (CK-CO) Bell Rock (TR-IL) underneuth. (CK-CO) WYFN null (123-MO) favorise ione songs into a light C&W song (CK-CO) lottery numbers, livestock report, local ads (MD-TX) (F) KSJX off. (BR-CA) entertainment = theme song of munical Oklahoma. (JB-TX) football story (DS-TN) and WKGX (DS-TN) KCKN/KTWO off ID The Country Star, KASR Perry with another C&W station 1935, 1D Thus is Soul 73, news and sports (MD-TN) into jumble during news. Not heard here in about 10 years. (TB-TN) KSJX off (BR-CA) Good with KYGO-950 splatter (CK-CD) Lan Vogus - 11/25 0755-0800 - In and out of jumble with snow report for Valley Head - w11/15 0715 - With RY-870 slogan and satellite oldies Shawrene - 11/21 0700 - With sign-on Good morning KOFF Shawness Yorkdown - 11/29 0213 - With Highland - 11/24 0707-0715 - Weak with Cl.s. weather, wunting Illinois Aurora - 11/21 0235 - With ID and Pura Gold oldes New for #731 Morgantown - w11/15 0749 - With Morgantown news and West Virginia Lethnidge - 11/29 0020 - Very good, over under KYBG, with hard rock Lenoir - #11/15 0700 . With ad for something sponsored by Big Q Tires Perry - 11/29 0209 - Fair with C&W music in KTNQ null, with Sen Diego - 11/29 0229 - Good over XENY (with local KRZN off) with Grand Protite - 11/24 0"28-0"45 - Good with talk show. This Day in Rogina - 11/28 0332 - With 980 CKRM IDs and CWM Good-to-poor in Blind Fliver - \$1/17 0105 - Poor with oldies In briefly over WGN splash Roseburg - 11/22 0217 - CLs heard clearly thru jumble Adjacent local Red Bluff - 11/22 0405 - Fine, clear ID caught on tape Adjacent local Sarria - 11/17 0115 - Fair-to-poor with ad for Birchwood Mall and Junglie Winnipeg - 11/17 0059 - Fair-to-poor with FF talk and jazz cuts (TR-II) Edmonton - 11/29 0050 - Fair in KRVN null with CHQT, playing your Windhor - 11/18 0100 - Poor-to-fair with ID and CBC News intro Faded Elliot Lake - (no date) 0107 - Poor with oldies | CJNR. New (TR-IL) Boston - 11/25 0030-0032 - With CNN and local news (BS-NE) the Country Countdown here on OX

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## 0800 TO 1600 HOURS ELT



and nows -- this is KRHIV. and then faded out. (ND-TX)

TX Omme - 11/24 1039-1100 - Fair with People's Gospel Hour, The Christian Jew Hour, CLs. (MD-TX) Nederland - 11/23 1000 - Came out from under unID with Music, weather

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	1590	1470	1460	1390	1350	13#	1190	8	•
KHIT	KI.W	KELA	XWWX	KSLM	KRIC	KATA	KCBS	KHOI KIXI	
NV Sun Valley 11/30 0947 - With ID as KHIT 104.5 and A.M. 1590.  Mixing with, and losing to, others. [EdID]	CA San Jose - 11/30 0945-0950 - Good signal with mentions of 1-5, (U.S.) -101, San Jose and some kind of sticker promotion. Think I'll write asking for	WA Centralia - 11/27 1230 - Recently the best post-LSR signal on this channel, though sometimes sharing honors with KBSN. This was 2½ hours after my LSR at a distance of over 600 miles. (BRC/A) 1650 to be exact. EA1	WA Yahtma · 11/27 > 1100 · Dominant on channel with oldies after KTYM fided. (BR-CA)	OR Salem • 11725 1120 - By far the best ever heard, over KMIX/KGER with local acts and oldies. (BR-CA)	ID Lewiston - 11/25 [100 - In like semi-local in KSRO null, with C&W, ID and AP news. (BR-CA)	CA Aresta - 11/25 1200 - Atop channel with oldies and legal ID, two hours after my LSR (BR-CA)		WA Mercer hamd - 11/25 1023 - Peaked briefly alop KKMC/KTMT/CHQT with prount for an upcoming Kickey big band dance. (BR-CA)  AB Rimmeton - 11/25 1017 - CT a heard that KYMC/KTMT come Cay	

## 1600 TO 2400 HOURS ELT

STEREO

150

SK Regins - 11/23 1606 - Weak with first daytime reception of the season.  (GS-B-) [But what did you hear? - Ed.]  IX Horaton - 11/20 1700-1710 - Weak w/CWM, legal ID, local ada (MD-TX)  CA Los Angeles - 11/27 2220 - Poor with talk of using prisoners as creath dummies. (IR-II) [Now there's a rovel idea, hi - Ed.]  AR Clemwood - 11/16 1755-1802 - Good with ARN News, CBS News, and Nazhville Record Review promo. (MD-TX)  Bolies - 11/20 1913 - With This is KSPD, AM 790, Bolse heard thru KWSW/KWIL. (BR-CA)  OK Mans - 11/21 2015 - Heard KVIS AM 910 weakly. Gospel music. New (SW-CH)  UT Codar City - 11/30 1853 - Punching thru KGRL in KFRE's mult with Powe Gold oldies. (BR-CA)
Weak with first de  17 - Ed.] 1710 - Weak w/C. 1710 - Weak w/C. 20 - Poor with tal 2 a novel idea, hi 1802 - Good wit 1.802 - Good wit 2. (MD-TX) 1th This is KSPD, 1eard KVIS A M 5

•	WOOA	FL Penascola - 11/19 2209 - Unusually strong with ID during football game
0	KLPZ	AZ Parker · 11/9 1900 · ID heard thru KHJJ/KTOM (BR-CA)
•	KBBO	Yaldma - 11/18 1700 - With local ads followed b
•	WBLA	NO Bizahethown - 11/19 (949 - With IT) only
		eary on <some> Pass on Highway 44 Radio 1440 KMBD ⇒ NOS [KGEM- 1140 [Ed-ID]</some>
•	KIRL	MO St. Charles - 11/28 1700 - Fair with 1450 KIRL St. Charles, then live
		Ē
•	<b>WXOB</b>	enne enne
•	CERT	CA Bareka - 11/18 1510 - With C&W music and IDs No sign of KYOS
		Ė
	2	the attended of the middle of the control of the street of
		(CS-BC)
•	KBAS	AZ Builhead City - 11/11 2200 - Finally got legal ID here Often heard this
		season with satellite NOS format and Kay-Star-slogan (BR-CA)
	800	CA Chexico - 11/22 2100 - To my supprise, the SS station here proved to be
		me (BR-CA)
•	KST	MN St. Paul - 11/23 2115-2145 - Fair with call-in program about the closing
		of four local libraries. Announcement to call KSTP to win a limited-edition.  KSTP Travel Milio and a change to win a critical to the Caribbean. (MICLIX)
_	KXEI,	IA Waterloo - 11/28 1700-1728 - Good with C&W music weather. CLs
		(MD-TX)
۰	ZZZ	MO Hartville - 11/24 1823 - With ID, sports and mention of 99.3 FM. In
		caradio heading home from work (CR-II)
۰	WCSI.	NC Cherryville - 11/19 2138 - ID its footbell game 40 watts? (TB-TN)
_	KUBA	CA Yubn - 11/18 1733-1845 - Clear [D and local ads, then replaced by
		presumable KGST with SS. (GS-BC)

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#### REPORTERS

159 158 3

TR-II. CS-BC Bob Karchevski Mountain View, CA. Radio Shack 12:655 Cray Seringeour Victoria, BC caradio

- 1210 AM

SA-MB Shawn Axelrod Wannipeg, MB ICOM R-70 w/PLAM board & 0.5, 2.4 & 4 kHz filler + 4' box loop or 100' lw Thomas Reiser Chicago, IL Sony ICF-2003 barefoot (x2)

XI-CIM EB-MO Jim Boehm San Antonio, TX Superadio II + MFJ Audio Filter + downspout antenna Eric Buerreman Hazelwood, MO DX-200, TM-152, SM-1 Milke Decker Marshall, TX DX-390 + 200' lw

XI-GE KI-GE XI-GE 忌 Mile Decker Marshall, TX fom Bryant, K4CDL Naahville, TN Doug Straigh, W9WI Nashville, TN

Brace Reyrolds San Jose, CA GE Superadio barefoot Chris Kraght, NeLIK Longmont, CO GE Superadio III barefoot Christos Rigns Chicago, IL ICF-2010, Kowalski Loop, or Honda AM:FM radio Phomas Relser Chicago, IL 1CF-2003 barefoot

BS-NE Bob Straube Lincoln, NE RCA 6C-2 console + 50' floor antenna Editor Meddian, ID Delco AMS/FMS caradio Shane Worth McCatchenville, OH Admini PRM1141M Worldbander

Ind a Happy Heilday Season to All,



That's what makes the NRC so great! And all information, contributions, and editing for DX Aura; DX Autio Service, and all publications is done by unpaid volunteers as part of a team. Perhaps you have a little time to give to your club ... if so, please write to fice Chatterion - P. O. Box 164 - Manusville, NY 13661-0164, and let him know what talents and time you can offer to the club. Typists are almost always needed, as are updates to the NRC AM Readio Log. Why not write to fice today?!

programming (BR-CA)

not at the P.O. Box shown in the Log, and "no postal receptacle" at 1 Riverview Road for from WELC. Don Trelford says he is once again getting a lot of returned mail, WZAZ-FL-1400 is hand, Ed Urzi is disappointed by the lack of response from his test reports, his only QSL so far was QSL Update: Hugh Montgomery says he already got a QSL from the KREW test. On the other

belong here. Everyone else should be reporting to Bill Hase. But, report! Hope everyone has a great Remember the new boundaries for DDXD - if you're in the eastern time zone, your reports

98 88 just northeast of Dardanelle - db) (I heard them on 11-9, too -pls) on the air and // an FM? (REH-ON) (There is a KCJC on 100.9 in Russellville, Arkansas, KCAB? AR Dardanelle - 11/21 1907 - Over CFPL with The biggest hits from the biggest WJCE TN Memphis - 11/26 1800 - Caught a legal ID on this one just prior to pattern/power switch. My UNID o 10/30 (Issue 9). Ex-WOGY. (REH-ON) stars from the Country Connection KCJC" (or KCJZ). Is this the formerly silent KCAB back

DX TESTS

610 heard. (DT-JAM)...Was able to null WDAF, but no KDAL. (JT-MO) test with code IDs at four different times, no voice IDs or anything else. (EU-NY)... Not KDAL MN Duluth - 11/15 0100-0130 - Code ID fair under WIP. (WPT-DC)...Weak on

670 AL York - 10/23 0000-0030 - Morse code only heard, under WMAQ and UNID

910 (DT-JAM)...Not heard. (EU-NY) WHSM WI Hayward - 11/19 0025 - TT fair-poor. (WPT-DC)...Not heard, only WFNS

960 966 WZZD. (EU-NY) WDLM IL East Moline - 11/11 0100-0130 - Only HJOJ and Radio Reloj. (DT-JAM) IL Carthage - 11/14 0100-0200 - Not heard. (DT-JAM)...Not heard, too much

1210 IL Centralia - 11/21 0230-0245 - Nada! Thought for sure I'd get this one

KEW WA Sunnyside - 11/6 0300-0330 - Not heard. (DT-JAM)

1270 1250 LXX KWSU force the issue. (HM-OH) MI Detroit - 11/15 0130-0200 - Heard the "WXYT Weather" at 0131, but WA Pullman - 11/20 0300-0310 - Nada! Just lotsa station rumble, too fired

1330 WRCA nothing but talk after that. Unneeded anyway. (EU-NY) MA Waltham - 10/25 0130-0200 - Not heard. (DT-JAM)

1370 1500 this one was on as WFIF is a daytime regular around here. (EU-NY) CT Milford - 11/22 0530-0545 - Not heard. Unless they started later, I doubt ND Grand Forks - 11/6 0100-0130 - Not heard, only WIVV. (DT-JAM)

1560 DC)...Nada! WQEW and WPAD. (HM-OH) MO Macon - 11/20 0135-0155 - 1 kHz TT fair-poor under WQEW. (WPT-

IA Fairfield - 11/13 0100-0200 - Not heard. (DT-JAM)

## UNID AND UNID HELP

740 , then more EZL. (RF-OH) 11/28 0220 - Very weak with EZL-type AC, 0223 ID sounded like "94 FM

850 6:00 sign-on and 101.7 FM, 1848 SSB and then off. This was sunset in MT, WY CO and 11/26 1847 - In mess (WRMR looped) with sign-off announcement, mentioned

1070 TX, but this could have been a limited time station that signs-off at KOA's sunset

1520 is shown in Greenfield, MA in the FM Atlas, so should be WGAM, no //FM? - db) WRSI, 95.3 FM". This is the only 95/3 listed for 1520 in the new log. (EU-NY) (WRSI-95.3 WTLN? FL Apopka - 11/8 1659 - Caught tail end of sign-off inviting listeners to "tune to Looped SSW/NNE, mixed with religious station, severe fade in null of WKDR. (LK-ON) UNID 11/20 0706 - With a phone-in talk show on "The American Sports Radio Network - the sports voice of America". No ID but a number given of 800-697-6346.

SIN 11/25 1612 - In briefly with Radio Aahs kid's format. (REH-ON)

1570 1580 program with male announcer. Canadian? (JW-PA) PIN 11/29 1857 - At PA/MD border on southbound I-83 definite Indian music

> WIOD Ft. Miami - 11/15 0100 - While trying for KDAL test, was able to null WDAF 0000 to 0800 EL1

6

and for the first time surprised to hear WIOD at 0105 giving Miami traffic report and ID of Missouri QTH. (JT-MO) "News Talk Radio WIOD". Only second regional Florida station ever heard from

620 WVMT VT Burlington - 11/22 0530 - News, sports, excellent over/under WSKQ Radio 620 WVMT". (ES-NJ)

66 music. in a very narrow null of WFAN and fighting it out with it and winning at times not bad for 550 watts vs. 50,000 watts. (LK-ON) religious music and ID as "Your Christian station, WCRR", weather and back to religious WCRR VA Rural Retreat - 11/27 0706 - (Don't you just love that name!) - With

780 all music station, 780 CFDR". (ES-NJ) NS Dartmouth - 11/22 0540 - With local ads, Halifax weather, "780 CFDR, your

8 "Snowmobile America" report, calls, and music by Garth Brooks. (EU-NY) WLSV NY Wellsville - 11/20 0618 - Fair, fading with ad for local florist, upcoming

KOA promo for "Ed Green forecast on KOA", time as 2:00, good. (DT-JAM) CO Denver - 11/7 0350-0400 - Talk show, ID as "This is 85 KOA"

KOA CO Denver - 11/28 0104 - Good with WRMR looped with news, 0105

920 □ then into talk. (RF-OH) MN Faribault - 11/28 0159 - Good, atop with local ad, 0200 ABC news (NRC

Log says Mutual), 0207 ID then talk (RF-OH)
WHJ] RI Providence Talknet. (IH-N) RI Providence – 11/27 0200 – Fair. News and weather into Bruce Williams and

940 WCSY XIMW TX Amarillo - 11/27 0146 - Fair among XEQ and others with NOS, 0148 "KIXZ" IL Mount Vernon - 11/27 0155 - In crowd with TLK, 0158 ads and ID. (RF-OH) MI South Haven - 11/28 0140 - ID heard buried in QRM. 5 watts! (RF-OH)

CCCX Yorkton, 0139 "GX-94" slogan then into CW. (RF-OH) D, then more NOS. TX #21, and a most wanted city for me. Oh Joy! (RF-OH) SK Yorkton - 11/28 0138 - Good with XEQ looped with ad for Davis Pontiac in

from UNID SS. Don't have P.O. Box anymore. (DT-JAM) WHOO FL Orlando - 10/21 0309-0409 - REL "Right from the Heart", poor, interference

98

1070 and announcement. I assume someone programmed their equipment to pick up the wrong channel off the bird. NRC Log says this guy is CBS. VA #49 if indeed was them. "CBS Radio Network's channel 42", both repeated over and over. 0044 public service announcement for "your Charlottesville area..." then fade, then immediately back into tone WINAt VA Charlottesville - 11/28 0020 - Assumed this with 500 kHz tone followed by

1200 WGNY NY Newburgh - 11/24 0024 - In mess with program promo, "News Radio hearing things, and I didn't miss an AM Switch update on this guy, WGNY has moved WGNY" ID. My NRC log shows this as awaiting move from 1220. So, assuming I'm not here. NY #63. (RF-OH) (First reported here in DXN Vol. 61, No.7 – db)

KZEP TX San Antonio - 11/10 0233-0237 - News, sports talk show, from Johnny Walker Gold Tournament in Jamaica! Poor under WDAE. (DT-JAM)

WBZT FL West Palm Beach - 11/11 0130-0155 - Ad for Ovaltine, Jim Boliannon Show ID only as "WBZT", fair. (DT-JAM)

1290 1250

GBK much as you do, 1290 CJBK", excellent. (ES–NJ) ON London - 11/29 0315 - Oldies and "We're the station that loves the oldies as

WXPX PA West Hazelton - 11/27 0659 - Good. Came up out of the slop, "This is ¥, Baltimore", poor under WFFG. (DT-JAM) MD Baltimore - 11/11 0200-0208 - New Age music, ID as "1300 WJFK

1300

1310 WXPX 1300, West Hazelton", then gone. (JH-NJ)
WILC IN Indianapolis - 11/11 0227-0237 - Talk show, ad for Hooked on Phonics, poor

ID as "...on WDOD 1310 AM", poor. (DT-JAM) WDOD TN Chattanooga - 11/11 0227-0237 - OLD or NOS, woman announcer "Frensi" Interference from WDOD and UNID SS, ID as "AM 1310, WTLC". (DT-JAM)

1360 country, all the time". (EU-NY)
WMZQ VA Arlington - 11/22 0500 - Sign-on with instrumental SSB into CW music NJ Washington Township - 11/13 0645 - Fair with CW and 'This is WNJC...all

1390 (ES- NJ) (Log shows sign-on 0600, but I thought they were 24 hours? - db)

1400 1440 WGIG GA Valu-Rite Hardware, ID as "AM 1400 WFTL"; poor under UNID EE and SS. (DT-JAM) Fort Lauderdale - 10/30 0500-0506 - News, ad for Sears Brand Central Brunswick - 11/2 0240-0330 - Talk show, poor, QRM from

1550 1490 1580 6 KCWW AZ Tempe - 11/13 0403-0450 - CW Honky Tonk Woman, poor, interference from UNID with talk show. (DT-JAM) FL Vero Beach - 11/13 0000-0003 - Talk show, ID as "WITB Vero Beach", poor IL Morris - 11/27 0305 - In mess with ID after news. 6 watts! IL #38. (RF-OH)

1600 TO 2400 ELT

570 560 KLIF" sung ID. Then into local talk show with John Stoner who gave a 787-1570 phone program. (ES-NJ) PA Philadelphia - 11/10 1625 - Ex-WBEB/WEAZ, now with religious call-in TX Dallas - 11/27 1830 - In WKBN null with "Talk to me on ?? 57

69 New. (MB-IN) number. (REH-ON) TN Memphis - 11/19 1943 - Good with ID, outdoor show. WMT not present

610 CW music. (MB-IN) WZZK AL Birmingham - 11/19 1950 - Good to fair with ID, local ads, weather forecast

WNTW" call ID and then back to the Larry King Show. (REH-ON) Redskins/Eagles football on 11/28. After a fire safety PSA, had a "News Talk Winchester WNTW VA Winchester - 11/26 1744 - In WTVN null with promo for broadcast of

WBOW IN Terre Haute - 11/23 2330 - Atop with NOS, 2332 ID then more NOS. #23. (RF-OH)

640

OK #8. (RF-OH) 2214 ID and phone company ad "call anywhere in Oklahoma for free", then more SPT WWLS OK Moore - 11/27 2210 - Buried in QRM with some kind of sporting event,

650 WKKQ MN Nashwauk - 11/27 1733 - Fair to good with WSM looped with CW, 1740 D. (RF-OH)

730 WFMC NC Goldsboro - 11/24 1800 - In mess with time check and ID.

760 religious show and "...specializing in programming that deals with today's problems, this is AM 760 WBDN Brandon..." into Mutual talk show. (EU-NY) WBDN FL Brandon - 11/9 1706 - Weak but in there with promo for Sunday morning

sign-off mentioning station's non-discriminatory hiring policy. (EU-NY) NC Tarboro - 11/9 1659 - Nice stable signal with North Carolina news and

860 KKOW KS Pittsburg - 11/25 1825 - Very good, nuking usual pest CJBC with football game, 1828 PSA from State of Kansas, 1830 "86 AM KKOW" ID. (RF-OH)

890 which was fairly weak for a change. (LK\*ON) WHNC NC Henderson - 11/18 - With a religious play followed by gospel music. Ads for John Monday's Florist and Betty's Uniforms. Call ID at hour. Up at times over WLS

910 WRVH VA Richmond - 11/18 1659 - Pretty solid with G. Gordon Liddy show promo "...right here on 910 AM, WRVA", then Mutual news. No legal ID! (EU-NY) NS Halifax - 11/26 1645 - Excellent with "Classic Rock 92, CJCH,

920 rock all the time". (ES-NJ)

930 WBEN NY Buffalo - 11/18 1715 -Good with ad for Rogers Pianos, sports report

1040 970 sports roundup. Fair. (ES-NJ) WFUN OH Ashtabula - 11/28 1605 - With Cleveland Browns post game show and WSGH NC Lewisville - 11/28 1718 - Country-gospel music (stained glass bluegrass).

1130KWKH LA Shreveport - 11/19 2130 - Good to fair with ID, local ads, CW music. An unusual night with WMVP, WOWO and other regulars absent or weak. (MB-IN)

Excellent. (WPT-DC)

1150 weather for Brandon area, CKX program promos, 1800 "5:00" time check. MB #6 MB Brandon - 11/25 1755 - Mostly atop in pileup with "Kicks"

1200 WGNY NY Newburgh - 11/8 1643 - Weak with GMAC ad, then "1200, WGNY, news

1210 talk and great music". Into music by Johnny Mathis. (EU-NY) TN Arlington - 11/24 1653 - Mostly atop with WOGL looped with REL/CW

1260 1707 news, 1709 ID. TN #52. (RF-OH) GA East Point - 11/19 2145 - Poor, barely on top with ID, gospel song then

1270 CJCB NS Sydney - 11/17 1647 ~ With pop songs and news with stories about the Nova Scotia power corporation, local Sydney items and weather for Cape Breton. Call ID at hour. Strong but under WTSN and others. (LK\*ON)

> 1290 legal ID and then vanished with possible pattern change. (REH-ON KKAR NE Omaha - 11/27 1800 - Briefly in WHIO null with a "This is KKAR Omaha

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1400 CH weather, call ID and into world and national news from Telemedia. First non-local on massive layoffs of the PQ public service, PSAs and ad for a store in Trois Pistoles. At 1645 1400 and 628 kilometers at that. A very cluttered frequency. Now it's in every day PQ Riviere du Loup - 11/24 1625 - With a French talk show about the

1430 (LK.ON)

1460 WROY IL Carmi - 11/19 2155 - Poor with ID, Petula Clark's Downtown then gone WRTH MO St. Louis - 11/23 1731 - Satellite NOS mixing with WFOB/WCKN/CJCL. After ad for a restaurant on Riverview Boulevard gave call ID as "Your music WRTH" New. (MB-IN) followed by Erroll Garner's Misty. (REH-ON)

Manassas-?? Virginia 1460 AM. It's great music for great kids and anybody that used to music. Legal ID at 1700 as "WKDL Silver Spring-Washington 1050 AM and WKDV be a kid." (REH-ON) WKDV VA Manassas - 11/22 1655 - On top with Radio Aahs weather and Disney

1490 WEF C MI #74. (RF-OH) MI Whitehall - 11/26 2350 - Atop for a while with CW, 2353 "97.5 WEFG" ID

ID. WI #32. (RF-OH) WGEZ WI Beloit - 11/26 2338 - Briefly surfaced with OLD, then "Solid Gold WGEZ"

1520 WKZQ SC Myrtle Beach - 11/8 1659 - Good with legal ID and the "...(something) Oil Change and Lube Classic Five at Five". (EU-NY)

1540 WOGR NC Charlotte - 11/20 1725 - Very good over WPTR with UC type gospel and "Word of God radio" slogan. (EU-NY)

1550 tunes, Supremes, Rascals, etc. (EU-NY) SC Bennettsville - 11/8 1725 - Fair, battling with WARD with calls and 60's

1570 WBUX PA Doylestown - 11/26 2300 - Briefly atop pileup with ID. PA #88. (RF-OH) WYTI VA Rocky Mount - 11/17 1743 - Surfaced briefly with weather (60 degrees) and mention of Franklin County. (EU-NY)

1580 make out. (EU-NY) tunes, ad cluster and ID mentioning Camp Lefeune and two other towns I couldn't quite WWOF NC Camp LeJeune - 11/9 1659 - Poor, in and out under WLIM with REL:AC

OTHER STUFF

1610 number, it showed up on my phone bill as Cape Charles, Virginia, which is at the KIE651 VA - Yet another update on Mike Hardester's UNID here, after I called southern tip of the Delmarva Peninsula. (DB-DE)

1620 1620 WNYT218 Musco said in Issue #9 that he got a verie from this as KPD581 in Windsor, CI - db) mentioning I- 91 and the Connecticut Department of Transportation. (REH-ON) (Ron UNID CT - 11/27 0315 - Over/under WNWZ910 with loop message by male 11/29 0200+ - This seems to be the call of my UNID of 11/7 (Issue

#10). I still can't make out location. It sounds like "The Village of Cornell" or "Cornelius"

Mark Burns, Terre Haute, IN: Drake R-8, 80' longwire, Quantum Loop

RF-OH HZ Rich Frcho, Willoughby, OH: Drake R8, Kiwa Loop, longwire John Hanz, Old Bridge, NJ: Sony 2010, Drake R-8, Alpha-Delta sloper

LK-ON Laurence Kearley, Orleans, ON: Sony ICF-SW1, Select-a-tenna

HM-OH Laurence Kearley, Orleans, ON: Volkswagen Jetta car radio Hugh Montgomery, Jr., Bethel, OH: R-5000 modified, LWs, 2 beverages, Quantum

REH-ON Chuck Reh, Learnington, ON: R-390A, Sanserino Loop, Realistic TR-3000 open ree tape deck

Elliot Straus, Toms Rover, NJ: R-390A, Kiwa Loop, Quantum Loop, MFJ-9598

WPT-DC Bill Townshend, Washington, DC: Sony ICF-2010

JW-PA EU-NY JT-MO Jim Weber, I-83 in PA: Ed Urzi, Centereach, NY: R-5000, Quantum Loop, longwire John Tudenham, Joplin, MO: GE Superadio II Don Trelford, St. Anns Bay, Jamaica:

Dave Braun, Wyoming, DE:

**RADIO 1270** 

# Formats

Fairfield, CT 06430-1728 356 Jackman Avenue Tony Fitzherbert

Changes in programming status; reported by listeners

current political situation in Haiti. However, from 1:00pm to 7:00pm, Jose Alberto, who has hosted "Radio Fabulosa" on Newton's WNTN, Boston's WSSH-1510 and Waltham's WRCA-1330, broadcasts Spanish tropical music. Jose occasionally identifies the station as "Whimex Fabulosa", using the play on the call when was on 1510 khz and was the top rock and roll station in New England. Seasons Greetings to all! Bruce Conti writes that the ethnic format of WMEX. 1150 in Boston has solidified. The French/Creole "Radio Concord" now airs for most of the day, targeted to the area's Haitian population. During AM drive, the news is bilingual, in French and English. Most of the news focuses on the

Kansas, Floyd Perry, Jr., Journal. Here we go..... Our column comes from Pater Taylor of California, Gary Houdek who lives in mass. Floyd Perry, Jr., also of California, your editor, and the M. Street

Onle CAN DEGLETIC NOSE (N).  Hot AC / FM "State" (M).  SMN Urban Gold (M).  Classic rock // FM (M).	Chambersburg Chambersburg Houston Seattle	STR	XZOX XYOK XYOK	1590 1590
Talk, sports (M)	Lafayette	5	KACY	1520
- Oldies as of 1/1 (M).		ę,	OMOM	1490
Gospel 12 midnight to 12 noon, and urban	Baton Rouge	5	WXOK	1460
days, talk a	Δ.	NE	KRGI	1430
Now CHR, rap, with some '70's disco included	Stockton	CA	KSTN	1420
N Country (M).		F	WQBQ	1410
- Silent $\underline{EXCEPT}$ for local high school coordain:	Lonpoc	Ç	X Total	1410
Religion, contemporary Christian (TF).	Syracuse	ž	E C	1390
JSN Adult Contemporary (M).	Fairfield	ij	METE	1390
Urban Gold (M).	Sacramento	Ç	KSMJ	1380
l sports upo		XI	KAAM	1310
s and talk (M).	Santa Pe	MM	KVSF	1260
- SMN Kool oldies (M)	Twenty Nine Pines	CA	XDX1	1250
- SMN Kool oldies (M).	Roanoke Rapids	กั	WCBT	1230
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Adult contemporary (M).	Cummings	Ç,	<b>WMLB</b>	1170
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Full service Black and SMN Urban gold (M).	Fairhope .	ΑL	WBLX	660
try // F	Pasadena .	X	XIXX	650
CSN Pre teen (M).	Zeeland .	ĭ	NSIW	640
WWI Talk (M).	Wilmington .	č	WMFD	0E9
Spanish "Radio Canon" (PT).	Salinas .	Ç	ZIEZ	540
	•	1		

And that is our column! To our contributors, thank you!!! And to all, happy holidays and a happy, healthy new year!

73'8

The Answer Man

Out a question about radio? Send it to SRC's Answer Man: Pusa Edminds - 753 Yallay Rd. - Rhe Boll, PA 19427-2052. He question is a termin question, and Ross will assure all, from kealo to highly technical. Watch for the answer in *EX Neuro* 

# RECEIVER SHOWDOWN

# A Comparison of Five Top RXs from a MW DXer's Perspective

Gerry Thomas

definitely one of the high points of my job, hi, You know, most jobs have their high points and their low points. Doing tests like this one is

Rather than spend \$15K-\$20K on a single mil-spec rx that was designed for heavy use in hostile environments, I decided to save the government some money and order several commercial grade rxs Because many of the rxs. I had been using were well past their typical life span and because I had some money left over from one of my projects, I decided that this was the time to upgrade the monitoring post. composed of various rxs capable of receiving all types of signals across a very wide frequency range also stayed late at work several nights to conduct the tests in this report. instead. All of the HF rxs also covered the broadcast band so I spent a few weeks of hunch hours and aviation environment. In support of this effort, I maintain in my office/laboratory a monitoring post communications, especially radiocommunications, among Naval aviators and other personnel in the As a research scientist for the Navy I'm responsible for, among other things, improving

save you some money and/or disappointment if you are about to plunk down some hard earned cash for a major ix. I hope that the findings reported here will answer some questions you might have and, perhaps

Corporation NRD-535D, the R.L. Drake R-8, and the old R-390A. I won't bother re-hashing the Rather, I'll just say a few words about each rig and describe how each rx was equipped... manufacturers' specs for each of these rxs; those data are readily available from a number of sources The five receivers tested included the ICOM R-9000, the ICOM R-71A, the Japan Radio

frequencies and covers a frequency range from 100 kHz to 1999 MHz! It was in its stock condition when tested and was equipped with the excellent SP-20 external speaker. ICOM R-90101 -- This was by far the most expensive rig in the group-about \$5,000. As you already know, this rig has a built-in spectrum analyzer for visually displaying the received and surrounding

went down shortly before these tests began so the other "brand new" one was broken out of its box dynamic range modification, preselector mod, etc. Two of these were purchased at the time; one for testing. This model did have the PBT feature and was evaluated using KCOM's SP-3 externa ICOM 8-71A — This rx was purchased several years ago from the Electronic Equipment Bank and was their "upgraded" model with the FL44A 9MHz IF filter and supposedly had their enhanced

had the ECSS board and the variable bandwidth feature typical of this "D" model. It was tested several sources. Ours had the upgraded 4 kHz "wide" filter rather than the earlier 6 kHz'er and JRC NRD-535D -- The 535D was the second most expensive rx, available for about \$1700 from using the JRC NVA-319 external speaker.

It was tested in its "straight from the manufacturer" condition and was paired with Drake's MS-t <u> Drake R-8</u> -- The R-8, at current prices, was the least expensive "new" rx tested -- under \$1000

months before this test so it may not have been in absolutely perfect shape but I feel that it was pretty close. I ended up using a pair of communications headphones to monitor the audio on the companies (the one I used was made by Amelco). I had aligned and re-tubed this guy about 18 As everyone knows, this is an old tube type, designed by Collins and manufactured by several R-390A - As a point of comparison, I decided to throw this venerable old standby into the fray

Before the testing began and before I had even received some of the rxs, I had some questions in

- 1. Yeah, the R-9000 had a lot of bells and whistles and a wide frequency coverage but would the "jack producing readable audio? Secondly, I wondered if I would be able to "see" carriers on split frequencies even if they weren" of all trades" nature of this rx result in performance compromises on
- 2. The NRD-53SD advertised a variable funed front-end, sort of an automatic preselector. Was the Q of this feature high enough to place the 535D head and shoulders above the rest when broadband antenna was used?

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- 3. How would the R-71A perform in this group? My personal, modified R-70 beats the pants off both of the R-71As I have at the lab; I've never known whether my R-70 is super good or whether the R-71A design incorporated some performance compromises to gain operating conveniences (e.g., keypad frequency entry, remote control, etc.).
- 4. I was really interested in the relative performance of the old R-390A. It didn't have any of the latest features such as synchronous AM detection and IF Shift/PBT and it wasn't designed to be a super sensitive receiver. I didn't know how it would come out.

## FIRST (NON-PERFORMANCE) IMPRESSIONS

R-9000 - My first impression of the R-9000 came when I started wrestling this guy out of its shipping box - it weighs about 44 lbs., far more than the other rigs but far less than the old R-390A. Visually, there is a bewildering array of buttons and knobs (which is to be expected in a rx with the flexibility of the R-9000) and the overall "appearance" of quality is high.

R-71A - The R-71A has been around long enough that first impressions have faded from memory. Its appearance and "feel" are, however, professional.

NRD-335D - The 535D is a handsome rig with a solid feel and a protessional demeanor.

Red - Being the least expensive new rx tested, the R-8 lacks some of the pizzazz of the other rigs.

Re3 - Being the least expensive new ix tested, the Re3 tacks some of the pizzazz of the other rigs. The rx sheet metal is a little flims, the plastic tuning knob practically shouts "Cheap!" and the rubber-feel buttons may be "the latest thing" but seem better suited to a \$100 portable. I also would have preferred a different color of display lighting -- greenish yellow falls just below lavender in my personal ranking of "most disliked display colors."

R-390A - Everyone knows the R-390A - heavy, serious, government gray

The preceding are my own personal, totally subjective impressions of the aesthetics and arm's length judgments of the quality of the rigs. As a general rule, these concerns are way down on my list of considerations in buying a radio. If the rig performs superbly, it can look like a PeeWee Herman kitchen appliance and I'll still buy it.

#### THE TEST SET-UP

The site of the tests was the Naval Aerospace Medical Research Laboratory located at NAS Pensacola. The building is on a promitory and about a block from the Gulf of Mexico (which can be clearly seen from the roof). Because the monitoring station is located in the basement of this three-story, ferro-concrete building, any desktop antenna (e.g., loop) is out of the question. I didn't really want a tuned antenna anyway: I wanted to test the front ends of the radios without the help of a tuning circuit. I have several antennas on the roof for monitoring HF and higher untity frequencies but didn't have anything specifically for MW so I ended up installing an Alpha/Delta sloper (Model DX-SWL; the one with the MW leg) for these tests (incidentally, this antenna performs quite well on MW).

The antenna was routed through a shielded conduit to the monitoring station and was connected to a six-way antenna switching box. This allowed me to quickly switch among the rigs for A/B (or, I guess, A/B/C/D/E) comparisons.

In comparing the radios, I spent as much time as necessary adjusting knobs and altering settings to get the best possible signal from each rig. This was sometimes a tedious process because the strengths of both the desired and interfering signals would tend to vary. Once I was convinced that no further improvement was possible, I would switch through the rigs and make subjective evaluations. What I'll report here are the comparisons that were most confidently and reliably made.

## SENSITIVITY COMPARISONS

Comparing sensitivities using on-the-air stations is a lot trickler than using a signal generator—signals fade, interference can be present, etc. However, using on-the-air stations can provide more meaningful info than "microvolts for a given S/N ratio" in that the whole system (e.g., quality of the detector, passband of the audio stage, etc.) comes into piay. I've seen radios that seem to reveal a greater presence of a carrier, yet produce no audio, or poorer audio than a radio that seems to present a less potent carrier. In other words, for these tests, I've adopted a definition of sensitivity that relates to "the radio's ability to produce readable audio from a very weak station not being QRM'd by a nearby station."

At my location here in northwest Florida, perhaps the best ever station for determining sensitivity as I've defined it appeared this summer. The new Turks & Caicos station on 535 kHz has been audible throughout most days this fall and winter. There is no significant interference from the couple of weak stations on 540 kHz (WGTO and KNOE) and, most importantly, the prevailing signal level of R. Vision Christiana is such that it discriminates nicely among the radios being tested.

Broadcasters' Four different to-fold guides for use with reception reports explaining produced by DX lag, here the INC was formed, and the importance of QSI is to DX ext.

Guides to DX LN editions in Laglitch, Spanish, and French; FM edition in Laglitch.

Very Los of the Committee of CSI is a Committee of CSI is a Committee of CSI is a Committee of CSI in the Committee of CSI in the Committee of CSI is a Committee of CSI in the CSI in t

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- NRD-535D At high moon, the 535D provided audible, but barely readable SS. The signal was generally too weak for the an ECSS lock and did show some fades. The 535D was always first to fade in and the last to fade out.
- Drake R-8 The R-8 was usually less than 2 secs behind the 535D in fade ins and ahead of the 535D by the same amount on fade outs. If the R-8's preamp had been operative below 1.8 MHz (it's automatically disabled below this frequency), it would have been the most censitive. Even though the R-8 was a bittle behind the 535D in producing audio, its audio was crisper and more easily readable than the slightly "wootly" sounding 535D audio.
   R-390A Was last to fade in with readable audio and the first to leave. There were times when the
- signal level never did manage to cross the R-390A's threshold. When audio was readable, it was very close to the R-8 in clarity.
- 4. R-71A Carrier was almost always detectable but it never did produce readable audio (although some audio would occasionally appear). Switching on the preamp helped little.
- R-9000 Carrier always detectable (not visible on spectrum display) and never produced audio, readable or not, regardless of what I did.

As noted, although the signal would appear first on the 535D, the R-8 was always close behind and always produced more easily readable audio. The R-8 with the MS-8 speaker sounds as though it has a peak audio response between 2 kHz and 4 kHz which makes the information carrying speech consonants stand out. The R-8 was always best at digging out intelligible speech from weak, poorly modulated signals.

### SELECTIVITY COMPARISON

One of my standard tests for selectivity on the low end of the hand involves tuning in WVOG-600 (1 kW) in New Orleans next to WVIJ-610, a local slopper. WVIJ-610 averaged 25 dB over S-9 on the rigs under test with severe overmodulation during the test session.

#### esults...

- Drake R-8 Produced a fairly clean signal with the R-8 in the 4 kHz IF position and the PBT adjusted. Activating the synchro (i.e., ECSS) really cleaned up the remaining slop and significantly improved the audio.
- NRD-535D Indicious setting of the PBT and the variable bandwidth feature (i.e., bandwidth
  control (BWC)) produced clean audio in the INTER(mediate) IF position. After activating the
  ECSS (LSB) and with the PBT readjusted, the quality further improved but was still not quite as
  good as the best R-8 reception.
- good as the best R-8 reception.

  3. R-390A In the 4 kHz position and with the rig tuned between about 598 kHz and 599 kHz (the R-390A doesn't have a PBT feature), reception quality was in the same class as the R-8 and 535D, maybe just a little more splash.
- 4. R-9000 In the middle If selectivity position and with the IF Shift adjusted, the signal was harely audible and intermittent due to the AGC being activated by 610 slop and releasing too slowly-just as the AGC was decaying, it would be reactivated by the rhythms on 610 and the signal would be killed. Reception was best in the 'narrow" IF position and with the AGC off but the audio was very muddy.
- 5. R-71A Not audible due to heavy slop and suboptimal AGC timing constants. Neither the wide nor narrow IF filters or any setting of the PBT produced audible audio. I fiddled with the controls for quite some time and was only able to catch a bit of signal (I think) with the AGC off and the IF in the narrow position. Switching back to the R-8, 535D or R-390A was an eye opening contrast to the two ICOMs!

These results were typical of several other tests of selectivity conducted throughout the band—the R-8 and 535D atternating in first place with the R390A sometimes the equal but always at least very close behind. The two ICOMs always did worse than the top three. The R-71A would sometimes manage to come close if the slop wasn't too bad and the AGC was disabled. The R-9000 almost always did the poorest on the selectivity measure.

Another selectivity test was conducted to determine how useful the 535D's tuned front end was in reducing adjacent channel splash. WRNE-98B is a 10 kW, overmodulated slopper that serves up a steady menu of heavy R&B and rap and pegs S-meters at 50t-4 dB over S-9. WRNE lies on a direct line to the test's target station, WFLA-970 (5 kW), across the Gulf in Tampa. When particularly heavy splash was occurring, no radio was able to produce audio from WFLA no matter what tricks I tried. In the presence of moderate splash the R-8 and 535D were able to produce intelligible audio; no other ras could. Between songs on WRNE the R-8, 535D, and R-390A allowed very readable audio to punch throught; the R71A produced audible but only intermittently intelligible audio; the R-9000 always remained blocked. So, it appears that the Q of the tuned front end of the 535D is too low to provide help with very heavy adjacent channel slop on the BCB; maybe it helps on further removed slop, I didn't check.

#### DYNAMIC RANGE

essentially equal. That is, the weaker station was clean and easily readable under the stronger station on it was located next to a super strong slopper; the other rigs had far less of a tendency to do this. with one very strong station and a second, much weaker station under, the 535D, R-8, and R390A were unreadable. And, as noted earlier, the ICOMs tended to block up, or desensitize, a target channel when these rigs. On the two ICOMs, the weaker station, when it was audible, tended to be muddled and largely No formal laboratory tests were conducted on this measure, only "ear tests." In brief, on channels

Besides the performance tests, several other attributes of the radios under test were noted

one point to another that several weeks of practice would have been required before the process became a pain. The R-8 had so many shift/function key combinations and "key press step throughs" to get from knob backlash. This backlash could be reduced by pulling out on the knob while turning it but this was spectrum display screen (which lagged behind knob turn anyway) was a maddening experience with the on the R7A either, come to think of it). second nature...give me the array of knobs on the old R7A any day (but frequency hopping was no picture dial that, even with this detent feature disabled, produced significant backlash. Chasing a blip on the in line was the R-71A where the frequency entry sequence on the keypad kept it from ranking any higher. pain in the neck being the required occasional recalibration of the mechanical digital read-out drum. Next rule instead of the exception. The next easiest to operate, in my opinion, was, the R-390A, the higgest intuitive and fell nicely under hand. An economy of key presses to get from point A to point B was the Last place would have been a tic between the R-8 and the R-9000 had not the R-9000 had a stepped gear The clear winner here was the 535D; no other rx was even close. Everything on the 535D was

an R-8, 1'd search for an external speaker capable of smoothing out this perceived stridency. This is a audio seemed to take on a slightly strident, ringing quality. Maybe it's just my ears but if I were to buy was the R-390A, but I was using headphones throughout the testing. For general listening, the 535D and situations...the higher frequency peaking tended to put voice signals atop the masking noise floor. double edged sword, however, in that the R-8 also produced the most readable signal in tough DX R-71A were about equal using their respective factory external speakers; nothing exceptional, just okay. Using the external MS-8 speaker, I found the audio of the R-8 to be a little fatiguing for extended especially for extended periods. The audio was silky smooth (the word "delicious" comes to mind) and listening periods. This effect was only noticeable after about an hour of continuous listening when the was very reminiscent of the quality of sound the old Altec-Lansing stereo speakers produced. Next best With its wide filters and simply superb external speaker, the R-9000 was a joy to listen

7LA and R-390A all were sufficiently stable to produce good ECSS results but required periodic knob tweaking to track the phase of a varying target signal. The 535D and the R-8 use slightly different able to get easily readable signals even when using the very narrow 1.8 kHz IF filter! For me, the Drake in many cases for the R-8 nudging out the 535D in tough signal situations. With this system, in fact, I was approach to synchronous AM detection was the better one even though both were effective. reception. I found that this system often resulted in a dramatically improved signal and was responsible then turn the PBT (slowly or a beat tone will occur while the system tries to lock on the carrier) for best R-8, on the other hand, encourages such fiddling (although the manual suggests optimizing before ECSS operation and states in the manual that the PBT and notch should be "off." In reality, you can approaches to ECSS listening. The 535D allows/requires the listener to select either the USB or LSB for (the 535D) and the R-8) did it automatically and tracked the phase of the target signal. The R-9000, Ractivating the synchronous detector). A "synchro" button selects this AM detector and the operator can however, sometimes locked up the ECSS system which then had to be turned off, then reactivated. The improve a tough signal's readability. Trying to use the variable bandwidth feature to any useful degree, fiddle with the PBT a little to further improve the signal and, at times, this tweaking can significantly All five of the radios were capable of exalted carrier selectable sideband reception but only two



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I could go on for many more pages describing the relative merits of these five receivers but I'd better

### CONCLUDING REMARKS

I'd like to start by answering some of the questions posed at the beginning of this review. Yes, it does appear that some compromises were made with the R-9000. The R-9000 has a lot of

of frequencies for signs of the intermittent signals typical of this kind of monitoring). But in terms of MW on the display. Finally, ICOM needs to re-think their AGC constants. is the radio amateur and not the SWL or other AM-oriented listener. Also, regarding the usefulness of the spectrum display -- for HF utility or VHF/UHF scanning, it's fantastic; for MW DXing, it's not very too wide and the narrow filter too narrow for AM listening. It seems as though ICOM's primary concern a piece. For \$5000 I expect a little more. The same is true of the R-71A; a very good filter is used for SSB and an inexpensive CFW ceramic in the AM section. It's the age-old story of the wide filter being series ceramics. These are the same little black cubes found in portable radios and cost only a few bucks SSB filter; the other filters are shared by the other modes (AM, FM-wide, etc.) and are muRata CFW DXing or even serious SWLing using the AM mode, the R-9000 falls short. Its best IF filter is the narrow advantages and would probably be my first choice for DXing utilities (you could visually monitor a band useful. It turned out that, in general, if a signal didn't make the S-meter move, it wouldn't clearly appear

the needs of DXers. It is truly a superb radio. apparently too low. But it was apparent that the 535D was designed by a team intimately familiar with The tuned front end of the 535D didn't appear to help much when DXing the BCB; its Q was

audio, and yellowish display you'll be capable of hearing a lot of DX expensive 535D and came out on top as often as not. If you can live with its tedious ergonomics, ringing The Drake R-8 has to be the "buy of the decade" so far. It went head-to-head with the much more

I've tested are representative of the breed; they were purchased from the same outlet. and R-8. The R-71A is super for receiving SSB signals and not-so-tough AM targets but is definitely lacking if you intend to try to dig out the tough stuff. I just hope that the two samples of the R-71A that The R-71A continued to disappoint and its shortcomings were glaringly obvious next to the 535D

Finally, the R-390A held up very well against the R-8 and 535D often equalling these two in tough signal situations. Because the R-390A is available on the surplus market in the \$300 range, it has to rank as a top buy for the serious DXer, especially if the DXer feels comfortable maintaining this legendary

one of the lesser radios, he'd have no idea that he was missing any DX; he'd assume there was no DX to be had. identical signal sources is very revealing. After all, if a DXer had access to only one radio, and it was what we call DX, I guess). In the case of these tough signals, being able to run A/B comparisons using any moderately serious radio, for that matter). It's that remaining 1%-2% that tells the tale (but that's given location, at any given time, could be heard by any of the five radios being tested (or by virtually In conclusion, I'd estimate that 98%-99% of the signals that were present on the MW band at a That's kind of an unsettling thought to me, hi.

fun I've had at work in some time, hi. I hope that the preceding comparisons have been of some value to club members. It's the most we had at work in some time, hi. 73's ...GT

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- #4 Ten-Day Spree Choose any ten (10) consecutive count 1 point for a clear channel station, 2 points for a days during the month of October, 1993. station. You pick the days; loggings on all ten days not regional channel station, 3 points for a local channel 200
- #5 Same as #4 except during December 1993.
- #6 Same as #4 except during January 1994.
- Same as #4 except during March 1994.
- #8 Canadian Special (Canadian members only). Log your province cannot count. A clear channel station U. S. stations only, but stations in any state bordering 1, 1993 to Jan. 31, 1994. Prize: \$5 certificate. and a local channel station counts 3 points. Runs: Oct counts 1 point, regional channel station counts 2 points,

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# R-390A Won't Turn Off (Again)?

### by Dallas Lankford



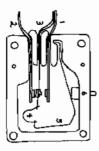
FUNCTION Switch



Microswitch

indicated by arrows, and remove the microswitch. If you are lucky, the four flat washers behind the microswitch will be stuck to the FUNCTION switch frame with lock-tite very flexible. Use the hot iron tip to straighten the bends in the wires, and keep the hot iron tip on the wires to aid in pulling the wires through the lug holes without (see HSN 29) to access the rear of the FUNCTION switch (see sketch at left). And as before, I used Chemwik Lite was the dial lights remaining on with the FUNCTION switch set to OFF. And as before, I removed the front panel the microswitch. the flat washers, and save them for when you reassemble (a varnish-like substance). If not, collect and remove breaking strands. Next remove the four slotted screws, the microswitch lugs are, maybe, #18 insulated, and not iron tip to other wires (not shown). two microswitch lugs. Be careful not to touch the hot 0.100 desoldering braid to remove the solder from the Motorola. As before, the symptom of the worn microswitch was not permanent for my otherwise trusty old 1956 model Yep. The first attempted fix, described in HSN 27, The two wires to

using a succession of larger screwdriver blades (none of them very large), you can remove the plate and studs without damaging the plate, studs, or body of the microswitch. When the plate is removed, the interior of the microswitch under the edge of the plate near the metal studs, the wedging action of the knife blade will lift the plate and studs slightly, enough to slip a very studs, indicated by arrows above, which attach a plastic cover plate to the side of the microswitch. If you slip the sharp edge of a small knife blade thin screwdriver blade under the edge to continue the wedging action. By should resemble the sketch below. When you have temoved the microswitch, you will observe two flat metal



Microswitch, Interior View



Some Details Of Microswitch

attached to them. Part 3 is a thin thick metal plates with small discs parts, numbered 1 through 6 on the sketches above. Parts 1 and 2 are The microswitch has six removable

parts 3, 4, and 5 were different for two switches I examined. Also, the semicircle curout on part 3, which determines how part 3 can be inserted into the case, was on opposite sides for the two switches. This means that for one switch, the small dissector point of part 3 faced the "hot" point on part 2, while for the other switch, the large dissector point faced the "hot" point on part 2. Although I did not try if, if would seem that part 3 can be made reversable by using a small file to file a semicircle into the other side of part 3. Parts 1 and 2 for the switches I observed were reversable; i.e. they has semicircles on both sides. The semicircles mate with small half-cylinders (not shown) at the bases of the mounting slots (apparently to assure raises the lifter, which causes internal parts 4 and 5 to move the end of part 3 to the OFF position (end of part 3 resting against end of part 1). Although both microswitches were manufactured by Robertshaw, the lengths of proper alignment of the parts). the FUNCTION switch. In the sketch above, the switch is shown in the ON position. When the FUNCTION switch is rotated to the OFF position, the cam 5, and 6 move the flexible part 3 to turn the R-390A on and off. Part 6 is a miniature lifter, which is controlled by a cam attached to the shaft of automobile distributor, making and breaking contact for 120 VAC. copper alluy plate. These three parts function similar to the points of an

Part 4 can be removed by using miniature needle nose pilers to slip the end of part 4 off the end of part 2. Part 4 has slots on both ends; parts 3 and 5 have tabs which mate with the slots. After part 4 is removed, part 5 lifts (or falls) out, and then part 6 may be removed. Use a hot soldering from tip to remove any residual solder from part 3 where it touches part 1,

and use the from tip to move the double end of part 3 away from the end of part 1. With a right angle dental probe alipped under the inside and, and your finger on the outside end, slowly and gently "viggle" part 2 out of its mounting slot. Apply the hot from tip to the outside end of part 3 for about should be able to extrace part 3 without damaging it. Do not pry on part 3 with a dental probe of other ministure pry bar; part 3 is very delicate, for maybe 15 or 20 seconds, and try wiggling part 3 again. 10 or L5 seconds, and then grasp part 3 with miniature needlenose pliers near the inside edge of the mounting slot, and try to "wiggle" part 3 gently but firmly. If part 3 does not move, apply the hot from tip again, this time In this way you

5

surface was left, you can reverse parts 1 and 2 as I did for one switch. I may be possible to reverse part 2, if a small semicircle can be filed into the other side, and if the bent lug end can be bent into an opposite curve as arcing evaporates metal from the points surfaces, a small, more-or-less flat circular area would grow on the surfaces of the points (as opposed to small pitted "holes" which would grow if the surfaces were initially flat). a flat piece of wood or metal, sand the points of parts 2 and 3 until all evidence of pitting is removed. Then polish the points using "used" areas without breaking the lug end. I did not try that. If the point of part 2 was so deeply pitted that after sanding not much point the refinished points would touch at one point. My theory (untested) is that and maybe not even desirable. I opted for slightly curved surfaces, so that of the # 1200 sandpaper. Making these small points flat again is difficult, With a small piece of #1200 wet-dry (automotive) sandpaper placed on

was in the OFF position, which would cause the switch to be ON in the OFF position. By bending parts 4 and 5 as shown in the "Interior View" sketch, parts 2 and 4 had plenty of clearance in the OFF position. I also bent part 2 (down) slightly so that the points were parallel. flat screwdriver blade to seat part 3 completely. You may have to remove parts 2 and/or 3, and install them again to get the points to align properly. For one switch, part 4 touched (or nearly touched) part 2 when the switch To reassemble, reverse the removal steps above. Use a small but perfectly

# Metropolitan Opera International Radio Net

(via Barry Finkel)

English and French AM stations. The Saturday broadcasts run from December 4 through April 23, most begin at 1:30 PM ELT (the January 1 broadcast begins at 12:30 ELT, and the February 26 number of broadcasts varies by country. In Canada, the broadcasts may be carried on some CBC network list is dated October 11. Some/all of the operas are also broadcast in Europe (both eastern & western) in 21 countries; the broadcast season. Most of the stations in the U.S. and Canada are FM; here are the AM stations broadcast begins at 1:00 ELT). This information comes from Opera News December 11, 1993; the Here is the Texaco Metropolitan Opera International Radio Network for the 1993-1994

		8							
		KXXX-KS							
1230 WSBE	KIXC	1150 KWKY-IA	1010 KCH	940 NIPR-	WRRF	KIUP	930 KAPR-	900 KBIF-	860 WAMI-
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	1450	1430			1420	1486		1370	1340
KBBS-WY		KMRC-LA							
			1560						
		KEAS-TX	WRIN-IN	KAKS-T)	ひ-1.4X	MCTN-FL	KANS-KS	WYT-VI	KYUU-KS

<sup>\*</sup> Sunday delay



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1190 KFEZE				1120 WBISIb	1120 WADNIu		1090 WILDq	1080 WFIDf	1000 WILUPIn	1000 W100th	940 WINZI	930 KROEr	920 WAFSEA	900 WSSRimz	900 CHMLlmzu	SSO WINUIA	840 KWDFIbmu			790 KNSTIbz		710 КНАри	710 KEEL1	700 WCATq	670 WYLSI	_	_						S40 WYNNI	540 CJSBI	Bandimere Speedway	540 BANDp	δ,	530 WPAM5921	Freq. Call
Allen Sherrill CE Thomas E. Beal		_	John Sidote COp	James D.	_	Russell M. Brady	Grady Moates CE	Rocky Payne OpM	Fitta Garza PA	Rick Shannon	James Leifer CE	L/O				z Kevin Jay FarmD					Chris Ruscha GM	Bill Emanuel E	Rick Benson TD	David G.	Tim Crad		_	_	_	Andrea Dunphy	John R. Jones PD	W.	James N.	Jeff Ruck CE	pecdway	John Baz			Signer
P/GM	4	er TSu	one COp BH/RT/RA	James D. Huber O/GM	Holley Ann Cannon	I. Brady								David A. Messick Pryming	윤			E E	David W. Schmidt		24			David G. Anthony PD	Tim Craddock PD	David N. Supplee CE	Misch Sandidge CE	ä j	George Fenguson GM	Widow			James N. Maurer P/GM	А	#OHA	John Bandimere Jr GM,		Sgt Paul A. Einreinhofer,	Contributor
WH WH GHD	MO HE			BH FB	ea Fa	Ha sa	MH Instal		R.	BH I	EB 1610	WH 1600	EB 1590	BH 1580	RT 1560	WH 1550			ES 1460	OW 1440	1380	WH 1370	EB 1370	ES 1360	RT 1360			_					KT 1270	ES 1270	)W 1270	1260	вн 1260	1240	lor 1240
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Wayne Heinen G. Harley DeLeurere	John Wilkins	Ray Arruda	Mike Hardester	Eric Bueneman	Elliot Straus	Bob Harrison		Contributors		Harpers Ferry, WV 25425 (10 watts)	David Fox Ranger - Box 65	Vince Grande GM	Michael H. Pader P	John Marocchi CE	Del DeMontreux	Mike Kennedy PD	Brian Talley CE	John Sullivao P	Ray David	Michael Martindale DoE	Alice A. Jackson O	Kevin Gray		(4)	Lowell Highby GM	Pat Mucphy PD	Seven Warford CE	James Bakcom CE	Roger Neel	ovo ,	I. George Bibb P/GM	Daniel Schwanitz CE	Ron Simpson GM	Glenn Waybright CE	Robert J. Jung GM	Charles Dean Sharpless	Ralph N. Stewart GM/CE	Tad Fogel GM	Kenny Kendrick P
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Bethel, CT 06801-0073 P. O. Box 73 Pete Kemp (KZ1Z)

News of the radio industry, of interest to DX ers

Greetings all ... WLAD-800 has dropped Don McDonald's business advice show in favor of the Bruce Williams Show 7-10 living quarters for a while. The show will over. The two have maintained separate fed Unistar's Nostalgia "AM Only" format ... in her evening gig on WSIX, in Nashville. She was replaced by Hollywood Hendrix who on Memphis' WOGY-690 Urban Gold is from an 11 to a 10 p.m. start ... The FCC has to the FM side of their operations, as LUP-AM WLUP will be moving the personalities back remain intact, although the marriage won't ... increase their ratings, but their marriage is NYC Curtis and Lisa Sliwa continue to programming, they are switching to satellitefor a BIG change. After 23 years of Country airing on KIKK-KILT ... KLAC listeners are in syndicated Moby in the Morning Show is now Houston listener may again hear Moby. His Frogg is the new morning man on KFRQ moved across town from WYHY ... Tom T. on WFBQ, during the NCAA season, every will do live reports on the Bob and Tom Show, time shift ... Basketball announcer Dick Vitale heard of WNEW-FM in NYC doing the night with Regis and Kathy Lee Show, may also be Pigg, known for his booth work on the Live soul hits of the sixties and seventies ... Tony characterized by the programming of class Network has axed 22 staffers, including talker KRLD/SFX Broadcasting/Texas State if she switches jobs ... The multi-op Markey, one has to wonder what will happen good numbers in the Minneapolis-St. Paul Although she is currently garnering some posterior tattooed with the KSTP Call letters center. While on the air recently she had her Governor Arne Carlson, is really a bit off talk show hostess at KSTP, ex-wife of at WOWO, in Fort Wayne ... Barbara Carlson, Award ... Bob Chase is the new Sports Director Music Foundation's first Founder's Club Morrow has been the recipient of the National slowly ... Veteran Big Apple DJ Cousin Bruce from 1988. Boy, the wheels of justice move upheld Howard Stern's Christmas Show fine weeknights. Jim Bohannon has moved up Tuesday ... Diana Lynne has moved on from Alex Burton ... Urban Gold has made its debut

> afternoon talker Lionel is moving to WABC, capital equipment budgets ... comply without any massive attacks on their Association of Broadcasters (NAB) has Broadcast System (EBS) shortly. The National supposed to announce its new Emergency philosophical meandering, the FCC has After years and years of professional and has been degraded by such an presentation FM, KINK, KSDS, WQCD-FM. Here's one for WWWW, WCBS-FM, WGN, KGBT, WAVA-WXRT, WOKY, WHRK, WRKS, KIIS, KLEF, Rock format ... WWBR, the BEAR, in prompted by Steve's unkind comments on the resignation from the station. This move was split up their act, with Garry tendering his other news, Steve Dahl and Garry Meier have and a projected call letter change to WMVP. In begins its transition to an All-Sports Station effective 3 January, for the mid-morning slot ... requested the FCC to provide a lengthy the official AM-Stereo standard ... The FCC is WCKY this year. The station says the award the mill ... Cincy's WLW was last year's Marconi Award Winner. This year they are WGN, WCKY, WHO, KWOX, WHAS, WXRT, Mac McCartney, Tony Wright. Stations of the Purtan, Bob Kevorian, Tom Grisold, Jim Zabel Legendary station of the Year, Personalities of the year include: Charles Osgood, Dick announced, WHO was selected as the The Marconi Award Winners have been Birmingham is now programming AOR ... Honolulu, is switching from a AOR to New away on their honeymoon ... KPOI, air about Garry's new wife, while they were transition time to allow their stations finally decided that Motorola's C-QUAM sale, after the award went to crosstown rival threatening to give it back, or sell it at a garage Year, in various markets and formats, include:

Shortwave, Ham or Broadcasting echo areas, or amateur radio packet, KZ1Z @ K1UOL.CT Prodigy PFVK52D, the FIDO system in the above, via AÓL PeteKZ1Z, National Video column, I may be reached at the address Network PKEMP, CompuServe 72376,2557 So much for now. If you would like to contribute to this

Write to NRC Publications - P. O. Box 164 - Maintsville, NY 13661-0164 - Enclose check of more; NY residents, please add state and local laws. Please allow 3-6 weeks for shipping we How to place mail orders ...

## Musings of the Members

### Dave Schmidt P. O. Box 11502 Wilminston DE 10

Wilmington, DE 19850-1502

If the inernoce is

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

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

JOHN TUDENHAM (WØJRP) - 2824 MISSOURI - JORLIN. MO 64804
---- Our midW get-together at Rolla, MO 11/19-21 was a great success even though only 5 DXers were present, still had a lot of fun. Present were ERNIE WESOLOWSKI, JOHN CALLARHAN, ERIC BUENEMAN, Gil Morgan (WFTDA member) & myself. We toured 2 stations in nearby Salem, MO & Rolla, including the low power FM KMNR-89.7 at the Univ. of MO at Rolla. Rolla is about halfway between St. Louis and Springfield with only 2 local stations on AM, none 24 hours so AM DX was great. Hope to have another midW get-together soon!

ive and the updated listing will be larger than previous lists. Very 73'

DAVE SCHMIDT - P. O. NOX :1502 - WILMINGTON, DE 19850
---- Thanks to ALAN MERRIMAN, RON MUSCO, JOE PPLA for their recent calls and to CARV SIMPSON for his recent letter. Things are moving right along with the pending construction of WXHI-89.1 Christiana, DE, which we just were contacted on this past week! Conditions seem to be getting back to normal again, skynoting CHIN-1540 giving MPGR a rough time, and with MAMS off, CKPC-1380 has been a regular as early as 3PM! The DX TEST from MDEH-1170 was noted 12/5 betwen 12: 30AM & 1AK with non-stop code ID's. Per RON NUSCO, he called the station to see if they were or, they had forgotten about the test and started it & hour late! KXXY-1340 & WGER-1150 weren't tried, KSD-50 wasn't needed, I had passed out at 1AK anyway-hi! We're going to have to really watch our limits on MCSTMCS and the subjects of the reports, DX items are what we really need, please keep that in mind. We also appreciate help for others' guestions regarding DX & DX related items, help in IDing stations, news (brief as possible) on stations which directly relate to the hobby, equipment news/parsonal reviews, and please, diove all bounded to the hobby. A subject of the province of the subject of the hobby, equipment news/parsonal reviews, and please, diove all Happy Holidays to all and CUNAFEW (daze, that is!)!

# Now and Then John D. Bowker

Dial changes in AM markets, from 1930 to 1948 to 1992

# HOUSTON/GALVESTON MARKET

	1992	1948	1930
	-	Ξ	
KILT	610	KLEE : 610	
K!KK	650	<del>-</del>	
KSEV	700	-	
KTRH	740	KTRH : 740	•
KKBQ	<del>-</del> 790	KTHT ± 790	:
	7	7	
KEYH	<del>- 95</del> 0	÷	
KIKR	680		:
KYST	920		KPRC 1 920
KPRC	950	KPRC - 950	t
KMPQ	- 980		İ
KLAT	- 1010		į
	1010	]	ĺ
KRBE	1070	<del>;</del> =	1
KTEK	1110		KTRH . 1120
KSSQ	1140	÷	<del></del> -
KGOL	1180	ļ	
KNUZ	1230		
		·	KFUL 1290
KXYZ .	1320	KXYZ - 1320	KTLC . 1310
(WW)	1350	-	KFLX : 1370
кисв	1400	KLUF 1400	: KTUE 1420
ксон .	1430		KTUE 1420
	:	:	
KLVL	1480		-
KYND KGBC	1520 1540	KGBC 1540	
KYOK	1590	KATL - 1590	

New Hampshire, "The Granite State", Welcomes...

# THE 1994 NATIONAL RADIO CLUB CONVENTION September 2 - 5 (Labor Day Weekend)

Make plans now for the 1994 NRC Convention! There's plenty to see and do in southern New Hampshire. Tour America's Stonehenge, drive to the top of Pack Monadnock via the auto road, hike Mt. Monadnock, visit the many South Nashua malls and plazas for tax-free shopping... Ham Radio Outlet is located in nearby Salem, NH.

Scheduled activities will include radio station tours, Anheuser-Busch Brewery tour, banquet, business meeting, auction, and technical seminars. Perhaps there will be some DXing too, with the possibility of a hotel Beverage, and a trip to the seacoast for some TA DX!

The convention will take place at the Ramada Hotel, Exit 11 off the F.E. Everett Turnpike, about one-hour north of Boston. The Ramada Hotel is connected to both Logan Int'l Airport in Boston, and Grenier Field airport in Manchester, NH by several independent shuttle and line services. Watch for further details in DX News!