

Design

22 .. Musings

CPC Test Calendar WDIL Oct. 23, 1995 0200-0230 1000 WAMR 1320 Oct. 23, 1995 0300-0400 KREW 1210 Oct. 28, 1995 0330-0400 KFAY 1030 Oct. 30, 1995 0300-0400 **KVON** 1440 Nov. 5, 1995 0300-0330 WSEZ 1560 Nov. 6, 1995 0100-0130 WVAM 1430 Nov. 13, 1995 0130-0200 KNXN 1470 Nov. 13, 1995 0200-0230 KATD 990 Nov. 13, 1995 0300-0330 **WKBO** 1190 Nov. 20, 1995 0000-0030 WOON 1240 Nov. 20, 1995 0100-0200 KLCL 1470 Nov. 20, 1995 0330-0400 WIYM 730 Nov. 27, 1995 0000-0030 WPWA 1590 Dec. 11, 1995 0000-0030 WCGW 770 Dec. 18, 1995 0100-0130

2 .. AM Switch

4 .. DDXD

From the publisher ... Jerry Starr is back from bringing rain to Florida, or so he says, and so is his "AM Switch". But Jim Renfrew is out with the boys, DX'ing exotic stations, and so he plans to return "IDXD" to these pages next week.

Why was #3 late? Well, when I take it to the printer at about 6:45 am Monday, the boss isn't in. So I put the pasteup where they tell me to. And that was a mistake, as that issue didn't get noticed nor printed until Friday that week. We think we've got our procedure straight, so look for it to be on time from now on.

Want to play in the FCC database, online? Rick Robinson notes that it's available at

http://radio.aiss.uiuc.edu/~rrb/fccdb.HTM but he says that a graphics based Web progra, such as Netscape, Mosaid, or the AOL or Compuserve netware is needed.

Speaking of online communication, don't forget to send your E-mail address to Paul Mount at PMountNJ@AOL.com so that he can update the NRC E-mail list and publish it soon.

Keep an ear on 1660 from now on. Mike Hardester says that several people have reported hearing what they think is WJDM, Elizabeth, NJ, although one DX'er heard programming on 1640 from his location in Missouri. And NRC's Al Merriman heard rock music and an OC on 1660 on 10/10, and Dave Braun heard the same programming on 10/ 13 at 2035, but it was gone by 2100. Ken Chatterton is compiling the verie signers list, and if you have information on verie signers that don't fit Ken MacHarg's requirements for his "Confirmed DX'er" column, send them directly to Chatterton. He'll pass along any pertinent to MacHarg, anyway, if you're not sure whether or not your list should go to Ken or Ken. (?!)

DXChange ... Denis Picard - 3830 St-Germain -Trois-Rivières-Ouest - PQG8Y6L8,819-379-5647 is selling a Quantum loop for \$135 CAN (approximately \$100 U\$).

Welcome to these new members ... Gary Durbin, Massillon, OH; Frank Latos, Farmington Hills, MI.

DXN Publishing Schedule, Volume 63							
# Deadline /Pub. Date	# Deadline /Pub. Date						
5. Oct. 20 Oct. 30 6. Oct. 28 Nov. 6 7. Nov. 3 Nov. 13 8. Nov. 10 Nov. 20 9. Nov. 17 Nov. 27 10. Nov. 24 Dec. 4 11. Dec. 1 Dec. 11 12. Dec. 8 Dec. 18 13. Dec. 15 Dec. 25 14. Dec. 29 Jan. 8 15. Jan. 5 Jan 15 16. Jan. 12 Jan. 22 17. Jan. 19 Jan. 29	18. Jan. 26 Feb. 5 19. Feb. 2 Feb. 12 20. Feb. 9 Feb. 19 21. Feb. 16 Feb. 26 22. Feb. 23 Mar. 4 23. Mar. 8 Mar. 18 24. Mar. 29 Apr. 8 25. Apr. 12 Apr. 22 26. Mar. 10 Mar. 20 27. June 7 June 17 28. July 5 July 17 29. Aug. 2 Aug. 12 30. Sept. 6 Sept. 16						

DX Time Machine From the pages of DX News:

50 years ago ... from the October 27, 1945 DXN: Phil Nichols, E. Hartford, CT, reported that he had reports out to 21 stations, including Toulouse, Limoges, 2PK, TI4NRH, TIEP, WVUR Canal Zone, Sottens, Hilversu, KIT, KALL, and KSRO.

25 years ago ... from the October 31, 1970 DXN: Dave Schmidt was to join the engineering staff of WHOT as an audio engineer at the end of November, making a record of three active NRC members at one station, and six NRC'ens within a five-mile circle ... Paul Hart's "Patterns" article explained the technicalities of directional patterns of AM stations.

10 years ago ... from the October 28, 1985 DXN: Doug Beard, Springville, IA was "just about as mad" as he could get because the FCC's new agreement with Canada, which replaced NARBA, allowed for no protection of that portion of a Canadianclear-channel stations's secondary (sky-wave) coverage area in the U. S.



Jerry Starr c/o WHOT Radio 4040 Simon Road

3336 El Camino Avenue • Sue-

Youngstown, OH 44512-1320

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

CALL LETTER CHANGES

<u>New call</u>			<u>Old call</u>	
 WRRR	Rockford	IL	1150 WNTA	
WNTA	Rockford	IL	1330 WRRR	
WMNN	Minneapolis	MN	1330 KNOW	
 WKPP	Elizabethton	ΤN	1520 WITM	
 KTXC	Cuero	ТΧ	1600 KQRO	
	APPLICATION FOR NEW STATION			

1020 FL Kendall: 8900/980 U4

APPLICATIONS FROM EXISTING FACILITIES

KSKY	ΤX	Balch Springs: night power to 660 watts
WAEB	PA	Allentown: night power to 1500 watts
WSLI	MS	Jackson: reduce night power to 3600 watts
KPXE	ΤX	Liberty: city of license to Brookshire, TX
CHRB	AB	High River: to 1140 kHz with 50000/46000 U4
WGIL	IL	Galesburg: reduce powers to 740/740 watts
KVCI	ТΧ	Mineola: city of license to Canton, TX
KTNO	ТΧ	Fort Worth: reduce powers to 45000/925 watts
	WAEB WSLI KPXE CHRB WGIL KVCI	WAEB PA WSLI MS KPXE TX CHRB AB WGIL IL KVCI TX

GRANTS TO EXISTING FACILITIES

810	WISZ	MI	Rockford: power to 3500 watts
1140	WNHA	NH	Concord: power to 2500 watts (new CP, not on)
	TATEL (D)	T7 T	The Instance of the set of the second states of the

1150 WTMP FL Temple Terrace: relocate transmitter site

OTHERNESS

0			
620	KAAM	ТΧ	Plano: station continues with on-the-air testing but as of this date has not yet begun their regular schedule
710	KXMR	ND	Bismarck: new station has been noted testing with KBMR-1130 programming, call and format swap will be facilitated when engineering on the 710 site is completed.
740	WMIN	WI	Hudson: CP for 850 D3 from new site is on
990	KRMO	MO	Monett: CP for move to Cassville, MO is on
1050	CFGP	AB	Grande Prairie: requests move to 97.7 FM and will operate the 1050
			facility for six months, then surrender the license for the AM if approved
1060	KHYM	ТΧ	Gilmer: silent station is ON THE AIR
	WKCE	ΤN	Maryville: silent station (as WCGM) is ON THE AIR
1150	WCEN	MI	Mount Pleasant: CP for 1000 D1 is on
1200	WDCQ	FL	Pine Island Center: station is SILENT
1270	WLAW	MA	Fairhaven: CP for new station has expired but they have petitioned the
			FCC for reinstatement
1360	KFFA	AR	Helena: CP for 1000/90 U1 is on
1470	WRBD	FL	Pompano Beach: CP for 50000/2500 U4 is on
1520	WKPP	TN	Elizabethton: silent station (as WITM) is expected to return to the air "soon" and will relay programming from WKPT-1400 along with WKTP- 1590 (note the sound-alike calls)
1530	KKCM	MN	Shakopee: CP for 8600/10 U3 is on
1540	WPTR	NY	Albany: station is SILENT and rumored to be returning soon with a new
			format, possibly REL
1560	KNZR	CA	Bakersfield: CP for 25000/10000 U3 is on (FCC reports the new facility as
			U2 but we believe this is an error; do we have a member in this area who can check it out?)
1590	WQQW	CI.	Waterbury: ad in trade magazine offers their towers for sale, can this indicate that this station, silent since 6/92, may not be returning? (If you're intersted in owning two 194-foot self-supporting towers, they are

yours for \$12,000. And, oh yes, you have to take them down, too)

1660 WIDM NI

NJ Elizabeth: in answer to the question we posed in Issue 1, WJDM's STA to move to 1660 kHz is still in effect since they were the first priority station and the only station in the country guaranteed a spot in the expanded band. They are still planning to begin their 1660 operations in the near future. But what is NOT guaranteed is that they will still be assigned 1660 kHz once the newly engineered allotment plan is finalized. The new plan may very well find WJDM assigned to a different expanded-band frequency. How this will affect their plans is unknown. See "FLASH" in AM Switch, Issue 1, for background on this situation.

THANKS: B.B. McClurkan, Ed Krejny, Wes Boyd, Shawn Axelrod, Ron Dadue, Eugene Orr, Les Johnson, Mike Rafawnic, John Mercer, and MSJ

73 and Good DX,

Demy & BKF Jerry Starr & Buffalo K. Foonman

FEDERAL STING OPERATION ANGERS RADIO STATION

The US Marshall's Office in Georgia came up with an interesting "sting" operation last month. They sent letters to 800 Georgia residents with outstanding warrants against them. The letter promised a payment of \$150 if the person would come to a radio station and fill out a survey. When the scofflaw showed up they were promptly arrested. To make the deception as authentic as possible they invented a station called WLYU and printed up official looking letterhead with those calls and the address of the sting operation in Warner Robins, GA. In a bit of inside humor the phony calls stood for "We Lock You Up". While the operation was successful in rounding up some of the criminals it didn't sit very well with at least one legitimate station. Evidently the Marshall's Office failed to check out their chosen call for, if they had, they would have discovered there was a real WLYU only 80 miles away in Lyons, GA. WLYU is the FM affiliate of WBBT-1340 in Lyons. According to MSJ the Georgia Association of Broadcasters has made complaints alleging criminal violations of federal mail fraud statutes and deceptive trade practices that caused substantial harm to a member station. Georgia Senator Sam Nunn has promised an investigation.

VIRGIN ISLANDS STATIONS

Concerning Doug Smith's comments following the newspaper article about the Virgin Islands, the station in the *NRC AM Log* is WST<u>A</u>, not WSTX. WSTX is on 970 kHz. And the newspaper had the freqs screwed up. WVWI is on 1000 kHz, and WSTA is on 1340 kHz. Neither is in St. Thomas. People should understand that the average newspaper junior editor has less than zero knowledge of the BCB or probably radio in general. This sort of info offered as an aside in a newspaper article should never be taken as being close to correct. The *Log* entries for all of the stations ARE correct.





The NRC AM Radio Log, 16th Edition, compiled from members' reports and from official sources so that it is the most accurate listing of AM stations on the market. Cross-referenced, 3-hole punched for standard binders. Only \$16.95 to U. S. and Canadian members; \$22.95 to U. S. and Canadian non-NRC members. Airmail to members: to Latin America, \$21.00; Europe, \$24.00; rest of the world: \$28.00. Order from: NRC Publications-Box 164-Mannsville, NY 13661 (NY residents, please add sales tax)

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Domestic DX Digest

West: Bill Hale billbale@micron.net 495 Creekview Drive - Meridian, ID 83642-3241

East: Dave Braun DPHT10A@Prodigy.com

863 Allabands Mill Road - Wyoming, DE 19934-9523

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

MPH HALL HERE AND HERE

DDXD-West MEDIUM WAVE <u>RAMBLINGS</u>

- * In Issue One I mentioned some small electronic parts and old electronic books that Ron Donath had accumulated. Well . . . I am now in possession of these items. What am I bid? Seriously, here is a list of the book titles: Transmission Line and Transformers. It's an ARRL book (1990) by written by Jerry Sevick, W2FMI and lists for \$20.00; Basic Radio - The Essentials of Electron Tubes and their Circuits by J. Barton Hoag, Ph.D. (1942). It appears this book may have been used as a textbook for a U.S. Navy school during WWII; UHF Radio Simplified by Milton S. Kiver (1945); How To Build 78 Radio and Television Sets published by Popular Science Publishing Co. (1950); and Elements of Radio (1943) by Abraham and William Marcus. 1 will ship them to you for \$3.00 each, or \$15 for the lot, postpaid. The tuning capacitors all are in good condition, individually-packaged, and most come with a tuning string wheel and/or tuning knob. One unit has a companion capacitor, maybe used for fine tuning? None are marked as to their value, but I imagine they are of the standard AM radio-type. There are nine of these. Any hobbyist worth his salt should grab them. How about \$5 for the entire collection, including postage? Any items left over will be shipped to the host of the 1996 NRC Convention for auction material. Any money left over from what it costs for postage will be sent to Dick Truax to be added to NRC coffers. Write first to stake your claim. Do not send any money up front, as I'll just have to send it back if there aren't any of these jewels left.
- John Malicky sets a good example by gracing this week's column with DX garnered on the western portion of his trip to and from the Aurora Convention. Lots of slogans and other local mentions which aid us all in IDing that distant catch. We hear many stations mentioned for the very first time in DDXD. We should have instituted Don Trelford's suggestion of last week for this report, hi. John Wilkins reports hearing . . . audio on 1314, undoubtedly Norway, so this may be a harbinger of good things to come this winter, Dale Park adds several "Special" items highlighting talk show affiliations, John Reed answers my "challenge" (Issue 30), and thanks to Bob Pote and Neal Perdue for phone calls.
- * As I once lived in the Fort Walton Beach area, I was concerned not only about old friends who reside there, but our NRC members along the Gulf Coast region ravaged by Hurricane Opal. Thanks to the magic of E-Mail, we have our first report (October 8) from the region. Gerry Bishop of Niceville, Florida says: "Regret to say I've been a little busy this week to DX, something about a storm coming through. You may have heard of it. Here's the current status of local radio, as best I can tell, as of 9:15 a.m., CDT, October 8, 1995.

WFSH 1340 Niceville, was off from sometime Wednesday, Oct 4, until midday, Oct 7. Now on and operating with normal programming.

"WFAV 1400 Ft Walton Beach went off Wednesday, Oct 4, and has not yet returned. This may be power related or there may be damage. I have not been to FWB yet, and am loathe to bother anybody still trying to recover with questions about how it's going. I know firsthand the aggravation of well-meaning friends calling in the middle of cleanup, interrupting the ongoing work yet again.

"WFT \dot{W} 12 $\dot{6}0$ Ft Walton Beach was still on as we cleared the signal area Wednesday (10/4), and we found them on upon return Friday. If they ever went off, I have no evidence. This station is part of the emergency broadcast system locally, and has generators. It is possible they rode it out without problem.

"WZEP 1460 Defuniak Springs was off 10/6 and the morning of 10/7. 1 don't think the scheduled test took place, but frankly didn't try.

"All other Okaloosa and Walton county stations were off only briefly, if at all. None of the silents (e.g. WCNU 1010, WBZR 1120) remained silent." [I think he meant <u>All</u> of the silents remained silent. (?) - Ed.]

"Lost the outdoor antenna in the hurricane, but overall damage here was minimal. I see the bright side, in that I have at least a cord of oak for the fireplace on hand that was in the tree until

Wednesday afternoon, and just a few shingles will need replacing. The lights are back on, the water is running, and most important, all our friends and neighbors here are safe and their homes are habitable. I'll have a new antenna up late this afternoon, and be back on the dials tonight. Time to get the gloves on and go to work around the neighborhood, there are still a lot of trees to clear and trash to collect." We're all thankful you are in one piece and able to get on with life, let alone DXing!

- * Thanks to Ernie Wesolowski for included material with his report. One item being a list of '95 NRC Convention attenders. Now if I can remember what names go with what faces! And Mike Sanburn sent a picture of Phil Bytheway and me taken at the IRCA Convention here in July. Phil will have his picture taken with anyone, hi. Thanks, Mike!
- * Welcome to all new NRC members!! Let's hear from you guys and gals in the Central, Mountain and Pacific Time Zones and points west. This is your spot on the dial to report your DX activities.

REPORTERS

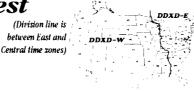
- JRM-MO1 John Malicky (Pittsburgh, PA) DXing westbound on I-70 thru St. Louis to Mid-Missouri Delco C-Quam AM\$/FM\$ car radio
- JRM-MO2 John Malicky I-70 from western MO thru Kansas City same equipment
- JRM-MO3 John Malicky I-70 eastbound; Kansas City thru central MO same-oh, same-oh
- JRM-MO4 John Malicky I-70 eastbound; central MO & St. Louis same car, same radio
- JRM-IL/IN John Malicky I-70 eastbound; Illinois and Indiana Vanna, spin the dial
- M/S-KS1 John Malicky/Paul Swearingen I-70 westbound; Topeka to central KS 'nuff said
- M/S-KS2 John and Paul (not the saints) (you got that right! -pls) I-70 westbound; central KS thru western KS ditto
- M/S-KS3 JM & PS I-70 eastbound; western KS to central KS & Topeka you guessed it
- M/S-CO The Malicky & Swearingen Caravan I-70 in and east of Denver head 'em up, Ma
 - EJW-NE Ernie Wesolowski Omaha
- BBM-TX BB McClurkan Irving Kenwood R-2000 + KIWA Loop
- DP-HI Dale Park Honolulu ATS-803A, Select-A-Tenna
- BW-OK Bruce Winkelman, AA5CO Tulsa R8, 90 ft "long" wire
- MS-CA Mike (Mr. Convention) Sanburn Bellflower GE Superadio II
- TB-TN Tom Bryant Nashville
- JW-CO John Wilkins Wheat Ridge Drake R-8 + 4 foot box loop
- BR-CA Bruce Reynolds San Jose Superadio II, III
- KW-WI Kent Winrich Waukesha
- NAP-AL Neal Perdue Madison ICF-7600G + McClintock Black Box
- DM-AB Deane McIntyre Calgary GE Superadio I barefoot
- JR-OK John Reed Ponca City W-J HF-1000 receiver, a Kiwa loop and noise reduced wire antenna.
- GB-FL Gerry Bishop Niceville
- Ed.-ID Editor I-84 Meridian to Boise Delco AM\$/FM\$ ETR or *TRF at home

SPECIAL

- 560 KWTO MO Springfield 9/23 Adds <u>Art Bell</u>, per show this morning. Note that some stations (like 610 WGIR-NH) air his show only on weekends. (DP-HI)
- 630 KHOW CO Denver 9/29 <u>Art Bell</u> mentioned this as being his Denver affiliate, so apparently his show has moved from 760 KTLK. (DP-HI)
- 640 WNFN MI Zeeland The Fan, with <u>One On One Sports</u>. A change from WISZ and Radio Ahs! (KW-WI)
- 690 KRGS CO Rifle 9/25 0956 Now here, Ex: 810. Fair-to-poor, with KOAQ/KRMX QRM, with C&W mx, KRGS AM 690, Hot New Country and your All-Time Favorites. Faded, then heard later at 1004 with Back-to-back 3-Pack. Actually on 689.3. CO #91. (JW-CO)
- 710 KMPC CA Los Angeles 9/28 Brings back repeats of Tom Leykis Show at 0300-0800 ELT, per Leykis today. This move done apparently at the behest of my fellow Leykis-sers (hi) who didn't like <u>Art Bell</u> during this time slot. But see 790 below. (DP-HI)
- 790 KABC CA Los Angeles 9/29 Adds Coast To Coast AM with Art Bell at 0200-0700 ELT per show, apparently bumping <u>Ira Fistell</u>. This is, I believe, the first outside talk programming KABC has ever carried, excluding its days on the old (K)ABC Talkradio Network in the 1980s. This used to be <u>Ray Briem</u>'s old timeslot, prompting the retired talk show host to call up fellow amateur radio operator <u>Bell</u> on the air! (DP-HI)



5



- 6
- 840 KOOK OR Eugene - 10/5 0200 - Former KDBS is now satellite country. IDed as O-K Country is KOOK Eugene and Springfield. (BR-CA)
- TN Waynesboro 9/16 Adds Coast To Coast AM with Art Bell at 0200-0700 930 WTNR ELT, per show. (DP-HI)
- CA Palo Alto Press reports say this one was to drop classical for Kidstar kids 1220 KDFC programming on 10/12. (BR-CA)
- UT Salt Lake City 9/18 Adds The Tom Leykis Show per program, apparently 1320 KCNR moving from 630-KTKK. (DP-HI)
- CA Redding 9/18 Adds The Ken Hamblin Show, per program. (DP-HI) 1400 KQMS
- TX Huntsville 9/23 Adds Coast To Coast AM with Art Bell per show. (DP-HI) KYLR
- NE Omaha Ex:KESY, now black oldies with local news three times per hour. 1420 KBBX With lady announcer from 0900-0915. This station is U-3, not U-4 as listed in logs. (EJW-NE)
- OK Pawhuska Ex: KXVQ. ON AIR as noted in AMS. Slogan is Real Country 1500 KRIG and seems to be simulcasting FM 94.3. FM IDs as Nowata-Bartlesville while AM IDs as Pawhuska. (BW-OK)
- TN Clarksville 9/25 Adds 'The Tom Levkis Show, per program. (DP-HI) 1550 WCTZ
- OK Pryor Children's programming noted as per Formats column in DXN 63-1. 1570 KMYZ Noted slogan of Radio Oz numerous times. Much stronger now than in the past. Should be a good SSS target in the East. (BW-OK)

UNIDs and UNID HELP

- 9/4-9/5 2245 Strong CIDs. Leaving Topeka and still heard the next day 530 UNID KS nearing Columbus, OH! (JRM-MO3) (Most likely 526-OJ, Olathe, KS; or 521-TO, Topeka; there may be others close to 530 -pls)
- 570 UNID ?? - 10/2 2011 - Utility station, second ticks with beep on the minute mark. RR sent in code on the minute mark. (JR-OK)
- ?? - 8/31 & 9/5 - Good, over/under KDKA, with preacher heard thru IL, IN, 1020 UNID MO & KS. Around midnight. (JRM-IL/IN) [Could have been KCKN-NM, as they run REL after 2200 local - Ed.]
- 1270 UNID ?? - 9/22 2350 - Good, with dominant signal, with hockey between Hurricanes and Tigers. Suspect CHAT or KLXX. (JW-CO)

DX AND EOUIPMENT TESTS

They're BA-A-A-ACK

- CO Denver 10/2 Two Morse code segments made it under semi-local KSFO. 560 KLZ+ Nothing else readable. (BR-CA)
 - CO Denver 10/2 0207 560 is usually dominated by KMON Great Falls, (day KLZ+ and night) and the night of the test was no exception. When I tuned in at 0200, KMON was heard with ABC News, and music from another station ĩ590 faintly in the background. At 0207 the KLZ ID was heard plainly several WJBQ times in Morse code under KMON. Those CID's sure cut through the QRM! (DM-AB)
 - KLZ-CO Denver - 10/2 0200-0230 - Not heard. (TB-TN) Nothing heard. Gave it maximum effort, but this one got away. (GB-FL)
- 1320 WOBL+ OH Oberlin 10/5 0026 CID @ 0026, and CID with city @ 0030. Weak, with heavy QRM from WAGG Birmingham, which appeared to be on day power and pattern, and WIAS Pittsburgh. (TB-TN)

TIS & OTHER STUFF

- TX Duncanville 9/18 1745 Legal ID, then Duncanville Informational 1250 WPHG284 Radio. Called them, and . . . besides saying he would enjoy hearing from DXers, Alan Powell said they operate 24 hours with 10 watts. Mailing address is: P.O. Box 380280, Duncanville, TX 75138. (BBM-TX) [Update from last week - Ed.]
- 1620 WPGG527 CA Lakewood - 9/24 1400 - Has added an extra 'G' to their call letters. Now carrying regular info-oriented programming. (MS-CA)

MIDNIGHT TO 0800 HOURS ELT

MO St. Louis - 9/5 0520 - NOS/BBD music and On the air because we care. We're 550 KSD Unforgettable 550 KSD-M, 93.7 FM, the Classic Rock Station and Voice of the Rams slogans. (JRM-MO4)

- MO St. Louis 9/5 0500 REL music and promos with KSTL The Soul of St. Louis 690 KSTL and Reaching the Soul, AM 690, KSTL. (JRM-MO4)
- MO Warrenton 8/31 0750 C&W and 73 Country KWRE IDs with DJ Buffalo 730 KWRE Jody who later interviewed me on the air while visiting! Also, station has two large billboards on 1-70 West leaving St. Louis. (JRM-MO1)
- SK Saskatoon 9/27 0750-0801 In the clear, with no sign of WSM. Local news 750 CKOM and ID, C&W music oldies. ND at this time. (EJW-NE)
- 850 KOA CO Denver - 9/5 0016 - Strong, with Dean Kirkman on Sportsradio 85 KOA. 85 KOA, home of the Rockies and Broncos. Mike Rosen Show rule #1 promo. (JRM-MO4)
- NM Roswell 10/4 0651 ID and ad for Roswell Ladies Business Club. (JR-OK) 910 KBIM
- 990 CBW MB Winnipeg - 10/2 0648 - Canadian news, ID. (JR-OK)
- PA Pittsburgh 9/5 Midnight Good-to-strong, with Someplace Special KDKA & 1020 KDKA Mike Raleigh Show. 15 miles east of Kansas City. (JRM-MO3)
- TX Raymondville 9/23 0045 1D and discussion of football at the high school 1240 KSOX level. (BBM-TX)
- IN Valparaiso 9/5 0716 Good, with moderate QRM, with WAKE Netwstalk, the 1500 WAKE station where news comes first. Local and state news & WAKE Newstime checks. Nearing Terre Haute, IN. (JRM-IL/IN)

0800 TO 1600 HOURS ELT

630 KHOW CO Denver - 9/1 1153-1208 - Very good, with Tom Artino consumer report The Troubleshooter on testing of Rocky Mountain car radar, ads, ABC News and ID: On top of everything, including complete news coverage from the ABC and KHOW news teams, we're Newstalk 63, KHOW, Denver, a Noble Broadcasting Station. 285 miles east of Denver on 1-70 at Exit 107. Even with KOA, then gone 10 miles later when Sun came out & clearing skies! (M/S-KS2) [John also went on to say he was interviewed for 12 minutes on KHOW on 9/3 at 1705 and he plugged DXing and the NRC - Ed.]

- 790 KXXX KS Colby - 9/1 1216 - Good, with C&W music and K Triple X slogan. (M/S-KS2)
- CO Denver 9/1 1200 Good, with Colorado's 24-Hour Newsroom, it's 10 O'Clock 850 KOA at Newsradio 85, then weak and gone. With Sun out and Paul's favorite noise, Mr. Buzz taking over! (M/S-KS2)
- 880 KRVN NE Lexington - 9/1 1015 - Good, with agricultural reports. (M/S-KS1)
- 890 KDXU UT St. George - 9/27 0810-0815 - In the clear, on daytime (ND) pattern, with local news and POL announcements. KDXU Newstime 6:14. (EJW-NE)
- 900 KFAL MO Fulton - 8/31 1010 - Local signal, with Mike Mason & AM 900 KFAL - Best darn radio station in Central Missouri!, then Brownfield Radio Network & C&W music. (JRM-MO1)
- 910 KINA KS Salina - 9/1 0950 - In passing, with Your Memory Station & NOS music. (M/S-KS1)
- 920 KLMR CO Lamar - 9/1 1505 - Strong, with ID Serving Colorado, Kansas, Nebraska, New Mexico, Oklahoma and Texas, we've got the High Plains covered. We're the Giant AM 920 KLMR! C&W music and 92 Country KLMR, The Giant of the High Plains. A Giant of a signal! (M/S-CO)
- 950 KJRG KS Newton - 9/1 0955 - Good, with REL music. (They are) approximately 65 miles south of 1-70. (M/S-KS1)
- 990 KRSL KS Russell - 9/1 1300 - Good, with legal ID, ABC News & prior dedications on Polka Party. Polkas in Kansas?! (M/S-KS2) [There are lots of emigrants from Milwaukee there, hi - Ed.]
- CO Brush 9/1 1415 Good, with local news and sports and data Transmission 1010 KSIR Net on 9/4. (M/S-KS2)
- 1060 KLMO CO Longmont - 9/1 1459-1500 - Strong, with legal ID, ABC News mentioning the opening of Cleveland's Rock 'n Roll Hall of Fame. (M/S-CO)
- 1070 KFDI KS Wichita - 9/4 1506 - Strong, with C&W music and Kansas Kountry is 1070-KFDI. (M/S-KS3)
- 1090 KYBG CO Aurora - 9/1 1530 - Strong, less than 100 miles to Denver. Many "big" IDs like: The weather is big on . . ., K-Big Radio Sports . . . and K-Big Sportstalk. (M/S-CO)
- 1150 KSAL KS Salina - 9/1 0855 - Nearing Salina. With Friday Morning Sports Magazine, local news. (M/S-KS1)
- 1190 KVSV KS Beloit - 9/1 1032 - Good, with community calendar and new sign dedication at Highway 24 & County Road 194. Wow! (M/S-KS1)



- 8
- 1220 KBET CA Canyon Country 9/30 0846 Fair-to-poor, in null of KBNO's OC (off for some reason; back on around 1200), with Can't Hurry Love and other oldies. CID and phone # (1-800-595-7525) at 0853, a couple of ads, the AM 1220 KBET. Today's Hits and Yesterday's Favorites. 0900 legal ID and CNN News. (JW-CO)
- 1240 KKLA CA San Bernardino 9/16 1128 Ex:KLFE. Good, over KSON, simulcasting FM 99.5 in Los Angeles, with ad for <u>Biola University</u>, <u>Bergman and Johnson</u>. ID: *KKLA*, *The Talk of Los Angeles*. (MS-CA) ["Biola" University? You mean Loyola, don't you? - Ed.]
- 1240 KIUL KS Garden City 9/1 1140 Fair-to-good, with ID in passing. (M/S-KS2)
- 1330 KFH KS Wichita 9/1 0945 Good, with *Innus In The Morning*, no ID. Non-local programming surprised Paul and me. (M/S-KS2)
- 1340 KXEO MOMexico 8/31 1105 In passing, with The only 24 hour news source for the Mexico area ... into ABC Info News. (JRM-MO1)
- 1350 KMAN KS Manhattan 9/1 0848 In passing, with NewsTalk 1350, KMAN. (M/S-KS1)
- 1360 KHNC CO Johnstown 9/1 1159 In passing, with Serving the right-minded listener, 1360-KHNC Johnstown and 1370-KTMG Deer Trail. (M/S-CO)
- 1390 KGERCA Long Beach 10/3 0915+ Slogan: AM 1390. Local REL programming, ads,
1-800-266-1390 number given. Was unsure who they were when called, but
lady said "KGER" and we had a nice conversation. All Log data is spot on, as
I inquired. Good signal, over others and KSRV-1380 slop. [Ed.-ID]
 - KJME CO Deriver 9/1 1550-1600 Strong, approximately 100 miles east, with local ad/other mentions in SS. Caught EE ID just before the hour as Paul was our interpreter! La Jota Mejicana KJME slogan. (M/S-CO)
- 1400 KAYS KS Hays 9/1 1145 In passing, with Oldies 1400. (M/S-KS2)
- KFRU MO Columbia 8/31 1110 In passing, with Newstalk 1400 KFRU and Missouri Network News. Also on 9/5 0132 with Sportsbreak at :15 and :45 past the hour, mornings and afternoons on the one yo depend . . . into Jim Bohannon Show. Visited on 9/1 and met NRCer/owner Al Germond! (JRM-MO1) [A station owner and an NRCer!? That's the guy I'd like to work for - Ed.]
- 1420 KJCK KS Junction City 9/1 0851 In passing, with C&W music & 1420 Country. Also on 9/5 with . . . Wildcats, (KSU) Royals and Chiefs, your station for live play-byplay sports is 1420 Country, KJCK. (M/S-KS1)
- 1430 KEZW CO Aurora 9/1 1600+ 95 miles east of Denver, with legal ID as KEZW 1430 Aurora/Denver and KEZW News Update, weather as 94_ and 12% humidity! Then referred to NOS music. Closest station to motel . . . dropped by briefly on Sunday. (M/S-CO)
- 1440 KRDZ CO Wray 9/4 1424-1437 Local signal, with local ads, AC music and Swap Shop address as P.O. Box 466 and ZIP 80758. Also mentioned KATR-FM 98.3 in Yuma at 804 South Ash. KRDZ is located two miles east of Wray on Highway 34 ... KRDZ/KATR, your good neighbor to the High Plains ... (M/S-CO)
- 1490 KKAN KS Phillipsburg 9/4 1530 Good, with AC music and This is your regional information center, KKAN/KQMA. (M/S-KS3)
- 1510 KDKO CO Littleton 9/3 1430 UC, Power 1510. At 608 26th Street in downtown Denver. Drove by, no visit. (M/S-CO)
 - KANS KS Larned 9/4 1500 Good, with ID as Thirty years old and better than ever, K-A-N-S is Kansas Radio and KANS Larned (pronounced Lrned) Your information station. Grain prices and message from Kansas DOT, AC music. (M/S-KS3)
- 1530 KQNK KS Norton 9/4 1440 Good, with AC music, slogan Continuous Favorites on KQNK, AM 1530 FM106.7. 98_presently. (M/S-KS3)
- 1580 KTER MO Columbia 8/31 1140 In passing, with Kicks 96.7 ID simulcast. Your choice for Number 1 Country and Young Country - Mid-Missouri's Number One Choice slogans. AM studio site is empty as is moved to FM in Columbia. (JRM-MO1)
- 1590 KVGB KS Great Bend 9/4 1500 Just caught legal ID, right after hearing KANS, as The station you grew up with, 1590 AM and 104.3 FM KVGB Great Bend, an Eagle Communications Station. Also heard a B-104 mention about 100 miles east. (M/S-KS3)

KGTOAM 1050

1600 TO 2400 HOURS ELT

550 KFRM KS Salina - 9/4 1705 - In passing, with C&W music, KFRM 550 Gospel on the Plains and The Best of country on The Voice of the Heartland, 550 KFRM. (M/S-KS3)

- 560 KLZ CO Denver 9/1 1630 With The best of contemporary Christian music, 56 KLZ. Heard 70 miles east. (M/S-CO)
 - KWTO MO Springfield 9/4 2305 Strong, with Live from Spanky's in the Holiday Inn in Columbia, Deerfield Sports presents Tiger Talk with Head Coach Larry Smith. Heard between Topeka and Kansas City. (JRM-MO3)
- 590 KCSJ CO Pueblo 9/1 1635 In passing, with Live talk Coast-to Coast. (M/S-CO)
- 600 KIIX CO Wellington 9/1 1640 In passing, with Unforgettable music on 60 KIX, then Bert Kemphert's Happy Feeling (Paul's favorite song, hi). Town is home to WWV, north of Fort Collins. (M/S-CO)
- 610 KAVL CA Lancaster 10/7 2225-2234 Poor, fighting KFRC, with high school football (<u>Marauders</u> vs ??). Ad for a car wash and two mentions of Antelope Valley, and but call to them cinched it. Guy who answered phone Sports Radio 610 confirmed the <u>Marauders</u> were on, the address in Log is correct, and they are now U4 5000 4910, so make that update. [Ed.-ID*]
- 680 KFEQ MO St. Joseph 8/31 1746 In passing, with 8/31's football game (<u>??? Griffins</u> vs. Drake)... on the sports leader, 68 KFEQ. (JRM-MO2)
- 710 KNUS CO Denver 9/1 1646 In passing, with 710 K-News. (M/S-CO)
- 750 KMMJ NE Grand Island 9/4 1830 Strong coverage throughout Kansas on I-70, with You're listening to AM 750 Newstalk and announcement from <u>Del Myer</u>, General Sales Mgr . . . has an advertising sales position open for the Hastings area. Call 1-308-382-2800 or stop in at 3280 Woodbridge Blvd., Prairie States Broadcasting. We called, but couldn't get through, hi. (M/S-KS3) [Hah! They were probably swamped with calls, hi hi - Ed.]
- 910 KPOF CO Denver 9/1 1645 În passing, with CLA music, which confused us, but I know some REL stations play CLA in the afternoons. Also AM 910, KPOF Denver, your station for family inspiration. The <u>P</u> illar <u>of</u> <u>F</u> ire. programs and music. Studios north of Denver in a semi-castle! Visited Sunday AM 9/3. An immaculate structure! (M/S-CO)
- **950 KKFN** CO Denver 9/1 1650 In passing, with *Sportsradio 95, The Fan.* Stopped by Sunday afternoon for a peek. No visit, but a staffer gave out a few stickers. Amongst the three groups of Denver's Quad stations (this is soon to be the state of radio in the 21st Century?). Others in this group are KYGO-98.5,
 - KWMX-107.5 and KYGO-1600. Many network programs, some local.
 - WLVS America's love for sports grows. Soon, every major U.S. city will have a sports station! [And some single-station markets, too Ed.] The Fans' bus benches and billboards are all over town! (M/S-CO)
- 980 KGLN CO Glenwood Springs 10/1 2050 With OLD and Oldies 98 slogans. Legal ID at 2100. Ex: NOS format. (JW-CO)
 - KMBZ MO Kansas City 8/31 1750 In passing, with ads, newsbreaks, IDs during midafternoon drivetime. (JRM-MO2)
- 1060 WLNO LA New Orleans 9/30 2000 With REL. New CLs heard in legal ID just before power down. Ex: WNOE. (NAP-AL)
- 1090 KYBG CO Aurora 9/1 1705 In passing, with K-Big Sportstalk. (M/S-CO)
 - WCRA IL Effingham 10/1 1953+ In nicely, with A/C, alternative music (<u>limmy</u> <u>Buffet</u>, <u>Bruce Springsteen</u>, <u>Hootie & The Blowfish</u>). Many mentions of *Hot* 104 point 3. Legal ID at 2001:30 sign-off. New. (NAP-AL)
- 1110 WBCA AL Bay Minette 10/2 1952 C&W music, local ads, ad for salespersons for station giving phone # as per AM Log #15, but with new area code (334). Legal ID. New. (NAP-AL)
- 1140 KCXL MO Liberty 8/31 1748 In passing, with Your station for Good Time Oldies. Visited six years ago during NRC Topeka '89 when they were UC. (JRM-MO2)
- 1180 KOIL NE Omaha 9/4 1835 Good signal for a good distance in mid-Kansas, with EZL and 1190 KOIL slogan. Visited three years ago during NRC Omaha '92. (M/S-KS3)
- 1190 KFEZ MO Kansas City 9/4 2340 In passing, with Dining with Bobbi, NOS/BFL music and Eleven Hundred and Ninety, Continuous Easy and KFEZ 1190 Easy. (JRM-MO3)
- 1250 WREN KS Topeka 9/4 2000 Waited in Paul's driveway for :00 ID, and heard You're listening to the station that plays the best in Southern Gospel music, this is Spirit 1250 WREN Topeka and Your gospel voice. (M/S-KS3)
- 1300 KMMO MO Marshall 8/31 In passing, with license plate contest on 102.9 (10 minutes, 29 seconds to win . . . Radio KMMO) to C&W music. (JRM-MO2)

- 10
- 1360 KSRX KS El Dorado 9/4 1802 Fair, with KMAN-1350 slop, with <u>Jerry ???</u> with KSRX news, any news. call us at 321-1360. (M/S-KS3)
- 1430 KAOL MO Carrollton 8/31 1735 In passing, with We're Missouri's Farm Voice, 100.7 KMZU... and AM 1430 KAOL Carrollton. C&W music. (JRM-MO2)
- 1440 KMAJ KS Topeka 9/4 2359 Caught part of legal ID into CBS News. (JRM-MO3)
 - KMAJ KS Topeka 9/23 2310 With postgame show of <u>Washburn University Ichabods</u> vs <u>Northeast Missouri State Bulldogs</u> football game (final: NEMS 41, WU 17). The Voice of The Ichabods. (JW-CO)
- 1460 KKCS CO Colorado Springs 9/1 1610 C&W music. Simulcast with 101.9. (M/S-CO) [Do they put Colorado springs in Colorado mattresses? - Ed.]
- 1480 KZSN KS Wichita 9/4 1806 In passing, with Kicks 102 ... Solid half-hour of country ... Kizzin' Country slogans. // KZSN Hutchinson. (M/S-KS3)
- 1540 KNGL KS McPherson 9/4 1658-1716 AP Network news and AC music with Brigitt on Your Good Listening Station. 99_ and 37% humidity. GS the DJ next on KBBE (96.7). Sign-off mentioned at 6:45 CDT. (M/S-KS3)
- 1560 KABI KS Abilene 9/4 1740-1800 Good, with local news and What's happening around Dickerson County, then ID: It's 5 O'Clock. Time now for 30 minutes of news, sports and information on KABI Abilene into CBS News. (M/S-KS3)
- 1590 KXSP CA Ventura 9/16 2300 Ex:KAHS, etc. Loud, with Esta es KXSP Ventura-Oxnard-Santa Barbara. SS music mixed with EE oldies ranging from Sugar Sugar by the <u>Archies</u> to Stairway to Heaven by <u>Led Zeppelin</u>. (MS-CA)
 - KROYt CA Victorville 9/16 2123 Trying to log call change. Ex: KCIN. Had C&W music. Fading in with Good Hearted Woman by <u>Waylon Jennings</u> and announcement by <u>Ricky Skaggs</u>. (MS-CA) [KROY, huh? Must be in tribute to <u>Roy Rogers</u>, who lives in nearby Apple Valley. I visited his museum while "living" there in '91-'92. And by golly, <u>Trigger</u> is indeed in attendence Ed.]
 - KPRT MOKansas City 9/4 1704 Local signal in Topeka, with Gospel 1590. (M/S-KS3)
- 1600 KYGO CO Lakewood 9/1 1625 In passing, with C&W. (M/S-CO)

GRAVEYARD DX UPDATE

* indicates North American record

<u>1230 kHz</u>:

WNVY FL Pensacola Steve Francis Alcoa, TN 415 WMFR NC High Point Steve Francis Alcoa 223



ABBREVIATIONS USED IN DDXD

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

DDXD-East

NEWS AND VIEWS

Welcome to new member and first time reporter Don Cassel, Bramlea, ON! Good to hear from you Don; let us know what you hear this season!

SPECIAL

- 1200 WKOX MA Framingham Switching to an all-talk format as of Oct. 2. Schedule details to follow. (SF–MA)
- 1300 WXPX PA West Hazelton As of the week of 9/25 this becomes the latest addition to the "WILK Network" as it's called. Simulcasts WILK–980 and WGBI–910 talk format. Is allowed to break away though for local sports games. (HJH–PA)

UNID AND UNID HELP

- 530 UNID 9/28 0640 SS station very powerful here. Sounded like a SS talk show. Very strong signal for about 15 minutes, then faded. (RCP-IN) (If it was on 530, CIAO-ON, if it was 532, Turks & Caicos db)
- 910 UNID 9/30 2318 "910 CNN" ID into ESPN Sports Radio, nothing else local heard. (DB-DE)
- 960 WATS PA Sayre John Dunn's UNID in Vol. 62. No. 30 is WAVR-FM. They use the "Choice 102" slogan. (SF-MA)
- 1140 UNID 9/30 2344 EE talk under WRVA, but nothing to help ID it. Rare to hear anything else here, especially in EE! (DB-DE)
- 1180 UNID 9/28 2110 WHAM nulled by SS station, first time encountered here. May be Cuban? (RCP-IN) (I think so db)
- 1540 UNID 9/26 2130 KXEL effectively nulled by ethnic program. Female announcer speaking in EE, plays music of India, listened for 30 minutes, never heard a station ID. Might this be WNWR? (RCP–IN) (Maybe, but 1 think more likely CHIN–ON – db)
- 1570 WFLR NY Dundee John Dunn's "Country 1570" in Vol. 62, No. 30 is WFLR. (SF– MA)

0000 to 0800 ELT

- 560 WQAM FL Miami 9/21 0220 Sports call-in talk show, ad for car dealer. (WM-MD)
- 570 WAAX AL Gadsden 9/29 0530 "News Talk 570", discussion of US Constitution, much fading with SS station under. (RCP-IN)
- 640 WBOW IN Terre Haute 9/5 0755 Inside Indiana while watching the morning sun rise (after an all night drive!) through this city noted in passing "Your Wabash Valley Sports Voice – 640 WBOW", also Jack Whitaker Reports and ABC news. (JRM–IN)
- 770 WLWL NC Rockingham 9/28 0649 Golden oldies country music program with "Country Bob and Miss Lee". Great reception till sunup. (RCP–IN)
- 900 WCPA PA Clearfield 9/21 0005 SSB, then call-in talk show. (WM-MD)
- 990 CBW MB Winnipeg 9/27 0642 Station came in like gangbusters. The host was discussing the David Letterman Show and a guest named "Dick Assman" who owns a service station in Saskatchewan. (RCP-IN)
- 1230 WBFX? IN Terre Haute 9/5 0736 In passing with FM IDs "WZZQ 107.5" and music from U2. (JRM-IN)
- 1300 WJSH IN Terre Haute 9/5 0725 In passing with "AM 1300 WJSH Smoldy(? or Moldy?) in the Morning" jingle and "6:25 at Real Country AM 1300", 62 degrees and *Dave Taylor* with "Real (not fake!) news on Real Country". (JRM-IN)
- 1490 WAZL PA Hazelton 10/2 2229 On top with sports report on baseball playoffs, "WAZL news time..." then faded. (DB-DE)
- 1530 WSAI OH Cincinnati 9/5 0745 In passing with "Don Herman on AM 1530 WSAI" I still can't get used to CKY not being on 1530! (JRM-IN)

0800 to 1600 ELT

- **550 WCKY** OH Cincinnati 9/5 1300 In passing top of hour ID striaght up "Attitude, right we have attitude, what else would you expect from a state that brings you the Rock 'n' Roll Hall of Fame, Talkradio 550, WCKY, Cincinnati" into ABC news, "Next news at 2:00, bulletins at once." Cincy's Rush Limbaugh station. (JRM-OH)
- 810 WSYW IN Indianapolis 9/5 0825 In passing with <u>Radio Aahs</u> programs. Three years ago en route to NRC Omnha '92 AM had classical music. Now only FM "107.1 Danville-Indy" and "Classic FM" mentions. (JRM-IN)
- 960 WKVX OH Wooster 9/5 1400 Just east of Columbus, OH, with "Hang on tight...there's another hour of Rush (oh no!)...coming your way right after the news on WKVX Stereo 960 in Wooster". (JRM-OH)
- 980 WONE OH Dayton 9/5 1400 Right after WKVX with "Superstars of music, Star 98 AM 980 WONE, Dayton-Springfield, an American Radio System station". (JRM-OH)
- 1130 WCTM OH Eaton 9/5 1150-1200 In passing with top of hour ID "Easy listening music and news all day long on WCTM Eaton", "Holiday Radio", USA Radio Network news and computer generated time check and temps. 250 watts daytime. (JRM-OH)

- WCTM OH Eaton 9/23 1448 Easy listening music, first time I've received this daytimer. Much fluttering with WSDM underneath. (RCP-IN)
- 1210 WDAO OH Dayton 9/5 1202 In passing with "Docs Dunbar, the rhthym master on WDAO, the station first in Rhythm and Blues", UC music and "AM 1210 WDAO, where the best just keeps on getting better". (JRM-OH)
- 1260 WNDE IN Indianapolis 9/5 0030 Thru Indy listened to "Bob and Tom on the Sports Station WNDE". (JRM-IN)

1460 WBNS OH Columbus - 9/5 1345 - In passing with "Sports Radio 1460 WBNS", WBNS 20-minute ticker, 'The flagship station of Ohio State football" and ESPN's



The Sports Babe – a semi-gruff sounding woman who knows sports, but who is she, Dave, any ideas? When did she start? Didn't hear her out in Denver, but saw billboards and benches with her nickname, on 950 "The Fan". (JRM-OH) (She's been on at least two years, I'd say, started as a local in Seattle(?), I think it was, may know sports but the way they run the show you'd never know it – a ten-second wisecrack per call and on to the next sucker – db)

- 1490 WKBV IN Richmond 9/5 1000 In passing nearing Richmond with legal ID "1490 WKBV Richmond, the sports tradition of Richmond and Wayne County", local news, weather, AC music, ABC news, at 1006 a statewide talk show with host Mike Pantz. Stopped in later for a quick visit en route home. (JRM-IN)
- **1580 WLIM** NY Patchogue 9/29 0857 Ella Fitzgerald tune, weather, traffic, ID and ABC news. Strongest I've heard it here ever. (SF-MA)
- 1600 WBLY OH Springfield 9/5 1232 PSA and returning to "The Sports Babe on WBLY". (JRM-OH)

1600 TO 2400 ELT

- 610 CKTB ON St. Catherines 9/24 2132 Excellent, commercials for *Radio India*, Asian features, Hindi headline news, and *Star Furniture*. (DC-ON)
- 620 WZON ME Bangor 9/23 2030 Fair but noisy signal. Red Sox vs. Blue Jays game. Station IDed as "The Sportsland - WZON." Local commercial for Discount Auto Parts. (DC-ON)
 - WTMJ WI Milwaukee 9/15 2105 Fair, Blue Jays vs. Brewers game, local ad for Joe's Amoco station. Station identified as "News Radio 620 WTMJ." (DC–ON)
- 680 WPTF NC Raleigh 9/22 2240 Ad for car maker, promo for upcoming event at Convention and Visitors Center, ID. (WM-MD)
- 790 CIGM ON Sudbury 9/20 2040 Blue Jays vs. Yankees baseball. (WM-MD)
- 830 KTOC MO Kennett 9/24 2003 Country music. Apparently they changed format from AC. IDs as "New Top Country 830". Lady DJ played George Jones tune. Received here first time at local sundown after which WCCO moved in. (RCP- IN)
- 850 WYDE AL Birmingham 9/22 2252 Ad for C&C Homes and Bloomfield Cheverolet and Geo, ID, CW music, Roger Miller King of the Road. (WM-MD)
 - WYDE AL Birmingham 9/30 2229 Samford vs. Nicholls State football game on the "Samford Bulldogs Radio Network", on top of channel for the most part for over an hour, but no ID until game was over at 2315. (DB-DE)
 - WYLF NY Penn Yan 9/18 1955-2000 NOS music followed by "AM 850 WYLF Penn Yan" ID, then into news. (JR-NJ)
 - WJAC PA Johnstown 9/2 2200 Fair. Interference from WRMR. Talk in progress about Johnstown baseball and thanking fans for their support. Football game wrap-up and score given for Johnstown and visitors. (DC-ON)
- 920 WBAA IN West Lafayette 9/24 2101 Fair. This station is located at *Purdue University*. Station 1D "WBAA" was given followed by the weather and "Temperature at Greater Lafayette...". (DC-ON)
- 930 WBEN NY Buffalo 9/28 2145 "News Talk 930", discussion of upcoming Buffalo Bills-Cleveland Browns game. IDs as "Voice of Buffalo Bills". (RCP-IN)
- 980 WWRC DC Washington 9/23 2134 Fair. The station ID was given as "WRC." Program of football talk. Listeners invited to call 202-WRC-1. ID given again as "WRC on AM 980." (DC-ON)
- 990 WNTY CT Southington 9/23 2145 Fair. A football game between *New Britain* and the *Golden Hurricanes* was in progress. Commercial for "Fritz Miller striving for excellence in Bristol." (DC–ON)

- KNIN TX Wichita Falls 9/28 2240 Good with call letters, GOS music, ad for New Life long distance carrier. Legal ID at 2300. Log says 1000 watts at night. Taped report sent. (MB–IN)
- 1060 WFLE KY Flemingsburg 9/25 1957-2000 CW music followed by ID, "This is WFLE Flemingsburg, Kentucky". (JR-NJ)
- 1100 WHLI NY Hempstead 9/26 1710-1730 Big band music to sign-off. (SF-MA)
- 1200 WAGE VA Leesburg 9/6 2138 Fair. Station ID was heard "Your sound choice for sports WAGE." Also on 9/7 with a football game. Considerable interference from WBZY. (DC-ON)
- 1240 WHIZ OH Zanesville 8/30 1945 In passing with "Reds baseball on your sports leader in southeast Ohio". (JRM-OH)
- 1270 WCBC MD Cumberland 9/30 1917 Very strong with ad for Daley's Deli and coverage of a game at Greenwood Avenue Stadium. (HJH-PA)
 - WILE OH Cambridge 8/30 1930 In passing with "The station you can count on for great songs and great memories" to *Johnny Mathis'* <u>Chances Are</u> (I'll get to Denver by Friday!). (JRM-OH)
- 1280 WFAU ME Gardiner 9/25 1921 "AM 1280 WFAU" ID followed by brief weather report, another ID and then into music. (JR-NJ)
 - WKST PA New Castle 9/30 1916 Loud with details of "Meet the President" contest. (HJH-PA)
- 1310 WDKD SC Kingstree 9/29 2010 Good signal, mostly alone with Star Warriors vs. Jaguars football. (HJH-PA)
- 1390 WEOK NY Poughkeepsie 9/28 1935-1943 Big band music (a satellite format), ID with calls, over/under WDCW. (SF-MA)
 - WRTK OH Youngstown 9/22 2000 Loud with local ads during Irish vs. Raiders football. Overtaken by WDCW. (HJH-PA)
- 1460 WBNS OH Columbus 9/30 1941 Weakish-fair with ad for *Majestic Paint Center* and coverage of the <u>Buckeyes</u>. Tonight conditions to west were very enhanced. (HJH-PA)
- 1480 WODX FL Marco Island 9/25 2300 News update, menmtion of boating accident, weak. (WM-MD)
- 1500 WFIF CT Milford 9/29 1900 Loud with weather and power reduction announcement. Still quite audible past power cut. (HJH-PA) (Thought they were just a daytimer? - db)
- 1570 WBUG NY Amsterdam 9/23 2021-2033 Fair with "Real Country AM 1570" ID, "WBUG and WLFH" ID, promo for contest drawing on Monday 10/2 with winner getting a stay at the *Pittsburgh Marriott*, call-in number given as 800-962-5590. (JR-NJ) (Now don't all rush to the phones at once! - db)
 - WYTI NC Rocky Mount 9/27 1920 Commercial break with mentions of Rocky Mount and Martinsburg, "WYTI encourages you to support the Eagles and attend high school sports." (SF-MA*)
- 1580 WONZ NJ Hammonton 9/28 1930 "Radio 14 and Radio 1580" ID with own calls and 1400 WOND, into talk show Your Latina Connection, over WPGC. (SF-MA)
- 1590 WSMN NH Nashua 9/23 2016 Surfaced briefly with "WSMN 1590 Nashua" ID, then into ballgame and gone! (JR–NJ)
 - WAKR OH Akron 9/25 2330 "Home of the Indians" ID, time check, local news. (WM-MD)
- 1600 WLNG NY Sag Harbor 9/29 1844 Loud with Beatles' <u>1 Wanna Hold Your Hand</u> then song by REM. AM-FM ID then ad for John Duck's Restaurant. (HJH-PA)

OTHER STUFF

- 530 TAR DE 9/29 1010 Weak. Since the move of area Maryland Highway stations to 1290 this channel open all summer and always a weak-fair signal. NRC mentions Rehoboth Beach here - that's 76 miles from my QTH. Would think this would be Woodenhawk at MD/DE border. But at times seems to be two stations here. (HH1-MD) (There is definitely one in Rehoboth, and usually
 - stations here. (HH1–MD) (There is definitely one in Rehoboth, and usually during the summer there is one somewhere near the MD/DE border, but I've never pin–pointed it db)
- 530 WPGU595 OH Hillard 9/5 1245-1305 Continuous loop noticed about 25 miles west of Columbus (Hillard is just west of Columbus) with message from Hillard's *Park and Recreation Department* and *Visitors Bureau* welcoming new residents, and mention of Hillard Day 9/16 asking persons and/or groups to be involved. (JRM-OH)

14

1610 TIS

VA Fairfax – 9/8 1559+ – George Mason University, good within 5 miles of campus. Attending soccer game between American U. and Air Force Academy. (HH2-MD)

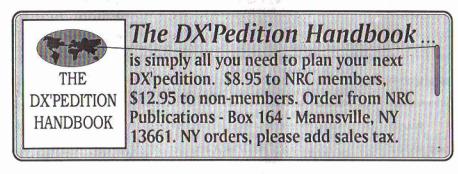
REPORTERS

	KEPOKTEKS
MB-IN	Mark Burns, Terre Haute, IN: Drake R-8, Quantum Loop, 80' longwire (Thanks for the sticker – db)
DC-ON	Don Cassel, Bramalea, ON: GE Superadio III with built-in loop
SF-MA	Scott Fybush, Waltham, MA: Sony 2003, McKay-Dymek DA5
SF-MA*	Scott Fybush, Waltham, MA: Delco AM/FM ETR in dented 1987 Buick
HJH-PA	Harry J. Hayes, Wilkes-Barre, PA: GE Superadio with Superloop
HH1-MD	Hank Holbrook, Dunkirk, MD: Drake R8, 120' random wire
HH2-MD	Hank Holbrook, Dunkirk, MD: Toyota 1990 AM/FM radio with standard whip - mobile
WM-MD	William McGuire, Cheverly, MD:
JRM-IN	John R. Malicky, on I–70 west to east thru Indiana: GM Delco C–QUAM car receiver
JRM-OH	John R. Malicky, on I-70 east to west thru Ohio: GM Delco C-QUAM car receiver (Thanks for the enclosures, John – db)
RCP-IN	Bob Pote, Greenwood, IN: Realistic DX-392 with Select-a-tenna, GE Superadio III, GMC Sonoma truck radio
JR-NJ	Jeff H. Ross, Flemington, NJ: R8, 135' wire, loop
DB-DE	Dave Braun, Wyoming, DE: R-5000, Quantum Loop



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Report from Colorado ... by Wayne Heinen

Let's begin with the attendees. From places other than Colorado the following NRC'ers of both the DXN and DXAS persuasions came to participate: Ron Bailey, Dan Bartek, John & Linda Bowker, Ken Chatterton, Ernest Cooper, Chris Cuomo, Rick Dau, Steve Francis, Roger Giannini, Warren Greenberg, George Green, Bill Hale, Craig - Kiwa Electronics, Ed Krejny, Mike Lantz, John Malicky, BB & Leigh McClurkan, Frank Merrill, Al Merriman, Ken & Jo Ann Onyschuk, Mitch Pomerantz, Chuck Rader, Mike Sanburn, Jerry & Bonnie Starr, Paul Swearingen, Don Trelford, Dick Truax, John & Betty Tudenham, Fred Vobbe, Ernest Wesolowski, Dave Whatmough, Member Larry Fussell from AL just happened to be in Denver for Friday, but had to leave before the festivities began.

The Colorado Contingent: Wayne & Joan Heinen, Craig Barnes, Ron Kashner, Paul Origlio, John Pirnat and Loyal Richmond. In addition non-member Ron Downing from CO, former member Jeff Kadet from IL and IRCA'er Bill Nittler from Colorado. What a GANG! Forty seven in attendance.

The basic convention agenda was go see Colorado, and see Colorado they did. All day Saturday and Sunday from the summit of 14,000 feet high Mt. Evans to Cripple Creek and the Royal Gorge NRC'ers were everywhere. Sunday John Malicky was out and about visiting local AM stations and wound up with a 10-minute interview on News-Talk 63 KHOW, a fine promotion for the hobby and the convention.



Wayne Heinen (right) awards Al Merriman a can of an identified substance after the annual NRC Quiz while Ernie Wesolowski records the event for posterity.

Craig of Kiwa (pronounced Kee-wa) Electronics set up a Kiwa loop with a Lowe 150 receiver that was available for demonstrations through Sunday. It was good to see Craig again, and I do thank him for his demonstrations and display!



Jerry Starr (left) receives the NRC Convention Plaque for his contributions to the NRC AM Log and for his many years of editing columns for DX News.

The organized events began with a banquet at Grisanti's Italian Restaurant, a choice of entrees, cash bar and lively conversation. We returned to the hotel where it was Door Prize time. I'd like to thank the following hobby oriented businesses who supplied the following door prizes:

- National Scanning -- Coffee Mugs inscribed with the motto "In God We Trust, All others we Monitor"
- Grove Enterprises -- One year subscription to Monitoring Times
- RSM Enterprises -- 3 copies of the 3rd edition of Receiver History Book
- Universal Electronics -- Coffee Mugs & Key Chains
- C. Crane & Co. -- Crystal Radio and a Select tenna

Many other companies supplied catalogs and product information for our conventioneers. The only notable drawing was IRCA revenge against the Convention host. At the 1993 Billings IRCA convention I walked away with the top door prize, a Sony Walkman. This year IRCA'er Bill Nittler walked away with the Select-tenna, our top door prize!

The business meeting was brief. Ken Chatterton discussed the expansion of NRC Publications to include many volunteers including his daughter Debbie Quick, Bill Hale, Wayne & Joan Heinen, Fred Tankersley, Shawn Axelrod and Mark Connelley. All of which have contributed to revamping old publications and producing new ones.

This year the Convention Plaque was awarded to Jerry Starr for his many years of service to the NRC as an editor of numerous columns over the years and his long standing commitment to the accuracy of the NRC AM Log.

In addition, a Certificate of Appreciation was awarded to Fred Vobbe for an outstanding 10 years of editing and

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publishing the NRC's DX Audio Service.

The end of the organized portion of the convention was the very popular NRC Auction. I was, by my own admission, pretty tired on Saturday evening. I'd been running around getting pop and ice and generally on my feet the entire day. I asked two people that I have seen work auctions before to conduct the auction. Anyone can read anything into my choices that they want BUT, they made a fine team and conducted a funny and profitable auction. To them both we'll throw in a Robert W. Morgan. Many thanks to DX News editor and publisher Paul Swearingen and "DXAS" editor and publisher Fred Vobbe for a job well done. I want to give a GREAT BIG THANKS to Gerry Thomas for his donation of a Radio Plus Quantum Loop to this years auction, definitely the premier auction item.

Sunday morning found a seminar about ANARC presented by our former ANARC rep Paul Swearingen followed by the NRC Quizzes both oral and written. John Bowker created some real toughies this year! Winners included

 With the sightseeing done and the activities completed, Monday was check-out and on our way home. My thanks to all who provided rides to others and who helped me maintain the hospitality suite during the weekend and again a special thanks to John & Linda Bowker and Ken Chatterton for their hard work. Next year, Steve Francis has volunteered and I'm sure Knoxville will be a fine site, and Steve will be putting together another NRC show to remember.



ent antres

Fred Vobbe (left) receives an NRC Certificate of Appreciation from NRC Board Chairman Ken Chatterton for his ten years of heading up the DX Audio Service.

A DX'ers Technical Guide

Now in its 2nd edition, this 120-page book answers questions on receiver and antenna theory (how to improve their performance), how audio filters and loop antennas can improve DX (and hints on their construction), how to build a beverage and phasing unit, and much more. Only \$5.50 for NRC/IRCA members, \$6.50 for non-members (overseas airmail add \$2.50). Order your copy today from

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IRCA Bookstore, 9705 Mary N.W., Seattle, WA 98117-2334. Thank you!

IRCA Mexican Log, 3rd Edition

The 1994 edition of the IRCA Mexican Log lists all AM stations in Mexico by frequency, giving call letters, state, city, day power, night power, slogans, schedule in UTC/GMT, formats, networks, and notes. Stations that have changed frequency since 1990 are cross-referenced on the old frequency.

The call letter index gives call, frequency, city and state. The city index (listed by state, then city) gives frequency, call, day and night power. There is even a guide to the Spanish alphabet and numbers.

The log has been completely updated from the 1990 edition and carefully cross-checked by IRCA members in Mexico and the U.S. This will be an indispensible reference for anyone who hears Mexican radio stations.

The price, payable to IRCA in U.S. funds: IRCA/NRC Member: \$6 U.S./Carada/Mexico/seamail, \$7 rest of the Americas airmail, \$7.50 Europe/Asia airmail, \$8 Australia/New Zealand airmail. Non-Member: \$8 U.S./Carada/Mexico/seamail, \$9 rest of the Americas airmail, \$9.50 Europe/Asia airmail, \$10 Australia/New Zealand airmail.

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Investigation of Regenerative Tuner Design The MWT-3S

by Bruce A. Conti; edited by Mark Connelly, WA1ION

Abstract: The MWT-3 regenerative tuner is simplified specifically for use with the MWDX-5 phasing unit. The basic theory of regeneration is explored, and experimental data illustrates how receiver performance is improved. This article is meant to be a companion to the original MWT-3 article by Mark Connelly. Readers are encouraged to refer to previous articles on regenerative tuning by Mark Connelly, available as NRC reprints.

Introduction Regeneration, or positive feedback amplification, dates back to the early days of radio, when Armstrong first proposed the method for achieving high gain out of triode vacuum tubes.1 However, regeneration is little used today due to the inherent instability of positive feedback, and technological improvements that led to the higher gain of the more stable negative feedback amplifier. Applications of positive feedback are generally limited to oscillators and digital phase-lock loop designs in modern circuitry. Mark Connelly began regenerative tuning research around 1978, after being inspired by the work of Ken Cornell in the Longwave Club of America. One of the first tuners Mark built was used between the car whip antenna and analog car radio back in the late '70s. The tuner worked like a champ and turned TA hets into readable audio by beefing up weak signals from the whip and sharpening the "broad as a barn door" front end of the car radio.2

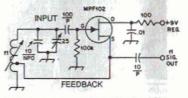


Figure 1: Common-drain Hartley VFO.

Regeneration Theory The common-drain Hartley VFO is an example of a tuned positive feedback regenerative oscillator (Fig.1).3 The output is fed back non-inverted to the input. This positive feedback path adds to the input which results in a larger output. The larger output once again follows the feedback path to add to the input. The even larger input produces an even larger output, continuing to reinforce the input, and so on. In theory, this signal regeneration process should continue

with the output increasing to infinity. In practice, the amplifier output is limited by the power supply and operating range of the electronic components, so the output stops increasing at this limit. As the output stops increasing, so does the positive feedback signal. Now the output signal decreases as the positive feedback decreases, until the signal can go no lower. This completes one cycle as the signal now begins to increase and start another cycle. The operating frequency, or number of cycles per second (hertz) produced by the Hartley oscillator, is determined by the resonant frequency of the parallel L-C tank circuit. The resonant frequency is the frequency at which the impedance across the L-C tank to ground is the greatest, while the impedance is essentially a short-circuit to ground at all other frequencies. So if the L-C tank circuit were to be coupled to an antenna, only RF at the resonant frequency would pass. Lower frequencies would be shorted to ground through the inductor, and higher frequencies through the capacitor to ground. For an L-C tank circuit, the resonant frequency is determined by the formula:

$$f = \frac{1}{2\pi\sqrt{LC}}$$

where L is the inductance in henries, C is the capacitance in farads, and f is the resulting frequency in hertz. Using the formula, the resonant frequency of an L-C tank with L = 122uH and C = 149pF is calculated to be 1180 kHz. Figure 2 shows the frequency response of the L-C tank resonant at 1180 kHz. Note how quickly the gain rolls off on either side of the resonant frequency.

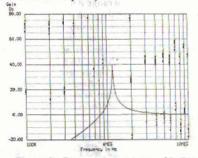


Figure 2: Frequency response of L-C tank resonant at 1180 kHz.

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This completes a basic overview of tuned positive feedback regeneration theory. From here, we can leap into an actual regenerative tuner design.

MWT-3S Regenerative Tuner Design The original inspiration behind this technical paper was to present a simplified version of Mark Connelly's MWT-3 design, for use with phasing units such as the MWDX-5.4,5 Features such as the remotely tuned loop or active antenna inputs were removed, the tuning range and input impedance selections were reduced, and the input level control was removed (since the MWDX-5 also has a level control). The result is a more compact, costreduced, and easier to use design. The new design is given the model number MWT-3S; "S" for simple. One of the most significant discoveries during the design and assembly was the cost and availability of the various low-noise line drivers or buffer amplifiers. Most were in excess of \$30 each, and some were no longer available. This lead to independent investigations of alternative sources by Mark Connelly and me, both arriving at the same conclusion. The essential requirements for the buffer amplifier are wide bandwidth and low noise for RF applications. The National Semiconductor LH0002 fit the bill, based upon availability and the relatively low cost of \$9 each. The LH0002 is actually a current amplifier, which can be configured as a buffer amplifier per National Semiconductor application notes.6 The rest of the re-design is rather straight-forward. Most noticeable is the reduction in the number of switch positions required which in turn simplifies the wiring and operation. The final circuit design includes a 4P2T switch to combine selection of regeneration/power-on and bypass /poweroff modes, a 1P2T switch for input impedance selection, and the 2-pole rotary switch to select inductor values for different frequency ranges. A standard single-section 10-365pF variable capacitor is used for tuning the L-C tank frequency within the range determined by the selected inductor value. A geared vernier knob is used on the tuning capacitor to smooth out what would otherwise be an extremely sensitive control to adjust. Coarse and fine control of the positive feedback are provided by the two potentiometers. Figure 3 is a complete schematic diagram of the final design. Refer to the MWT-3 article for comparison and additional assembly or operational details.



Figure 4: Final design fit neatly into a $5 \times 3 \times 2$ chassis, but you may want to use a larger chassis for easier assembly.

Test Results The MWT-3S regenerative tuner input was connected to a random length of wire (~10-ft. indoors), and the output was monitored on a spectrum analyzer. Tests were performed in Lowell, Massachusetts, in the vicinity of WCAP-980 and WLLH-1400. Figure 5 shows the ambient signal levels of WCAP and WLLH with the MWT-3S in bypass/power-off mode. Figures 6 and 7 indicate over 50 dB of gain could be achieved with the MWT-3S in regen/power-on mode and tuned to the respective frequencies. Similar results were achieved with the MWT-3S hooked up to a Lowe HF-225E receiver, observing 50 to 60 dB of gain on the receiver's S-meter before breaking into oscillation when the feedback was cranked too high.

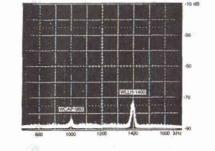
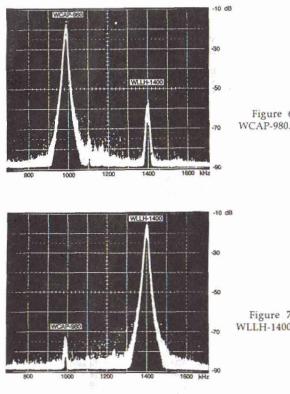


Figure 5: Ambient signal levels of local radio stations WCAP-980 and WLLH-1400 as observed on a spectrum analyzer.

Conclusions: Laboratory and field results have proven regenerative tuning to be another valuable weapon in an arsenal of equipment

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available to enhance mediumwave DX. Signals within 1kHz of each other could be easily separated with regeneration. However, if the feedback was adjusted for too high of a gain and too narrow bandwidth, then the audio became unintelligible. This is to be expected, much like switching to 1.8 kHz or CW filters on a high-end receiver. Reasonable care needed to be taken when approaching peak adjustment, as too much feedback resulted in the circuit breaking into oscillation and overloading the receiver. Perhaps further modification of the circuit is needed to limit the feedback. (Feedback was rarely adjusted beyond half of its range for optimum reception.) Of course, using the level control on the accompanying MWDX-5 also helps. And finally, it's hoped that the relative ease in which one of Mark Connelly's designs was customized for this author's specific application will inspire others to experiment,

Figure 7: MWT-3S output, peaked for WLLH-1400

Figure 6: MWT-3S output, peaked for

perhaps leading to further modifications or improvements in the design of outboard DX gear.

References 1. Jacob Millman and Arvin Grabel, Micro-electronics, 2nd ed. (McGraw-Hill, 1987), 567. 2. Mark Connelly, e-mail conversation, 1995. 3. Doug DeMaw, ed., ARRL Electronics Data Book (Newington, CT: The American Radio Relay League, 1976), 96. 4. Mark Connelly, "MWT-3", DX News (National Radio Club, Vol. 61). 5. Mark Connelly, "MWDX-5", DX News (National Radio Club). 6. "Application of the LH0002 Current Amplifier (AN-13)", Linear Applications Databook (Santa Clara, CA: National Semiconductor Corp., 1986), 16-19.

Mark Connelly's articles are available through NRC Reprints; Ken Chatterton, Manager, P.O. Box 164, Mannsville, NY 13661-0164.

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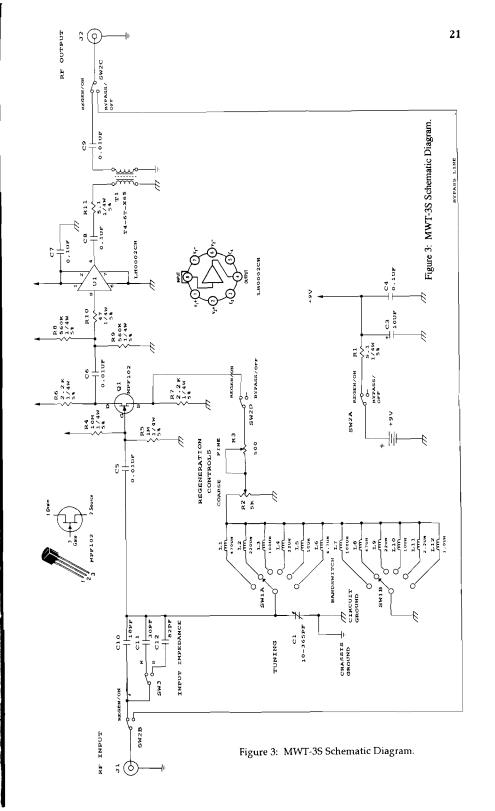
Table 1: Parts list and last price paid.

ltem No.	Schematic Reference	Description/Value	Vendor <u>Code</u>	Part Number	Price
1		Chassis, 5-1/4 x 3 x 2-1/8"	RS	270-238	\$2.79
2	C1	Variable capacitor, 10-365pF	AES	CV-231	\$7.95
3	C3	Capacitor, tantalum, 10uF	MOU	581-10K35	\$0.83
4	C4, 7, 8	Capacitor, ceramic, 0.1uF	MOU	147-72-104	\$0.13 each
5	C5, 6, 9	Capacitor, ceramic, 0.01uF	MOU	147-72-103	\$0.13 each
6	C10	Capacitor, ceramic, 18pF	MOU	140-CA50N180J	\$0.14
7	C11	Capacitor, ceramic, 30pF	MOU	140-CA50N300J	\$0.14
8	C12	Capacitor, ceramic, 82pF	MOU	140-CA50S820J	\$0.13
9	J1, 2	BNC jack, female, chassis mount	RS	278-105	\$1.49 each
10	LI	Inductor, RF, 470uH	MOU	43LR474	\$0.46
11	L2	Inductor, RF, 220uH	MOU	43LR224	\$0.46
12	L3,7	Inductor, RF, 100uH	MOU	43LR104	\$0.46 each
13	LA, 9	Inductor, RF, 22uH	MOU	43LR225	\$0.46 each
14	L5, 10	Inductor, RF, 10uH	MOU	43LR105	\$0.46 each
15	L6	Inductor, RF, 4.7uH	MOU	43LR476	\$0.46
16	L8	Inductor, RF, 47uH	MOU	43LR475	\$0.46
17	L11	Inductor, RF, 2.2uH	MOU	43LR226	\$0.46
18	L12	Inductor, RF, 1.0uH	MOU	43LR106	\$0.46
19	R1, 11	Resistor, 5.1-ohm, 5%, 1/4-w	MOU	30BJ250-5.1	\$0.14 each
20	Ql	FET, VHF, MPF102	RS	276-2062	\$0.99
21	R2	Potentiometer, 5K-ohm, linear	MOU	31CN305	\$1.02
22	R3	Potentiometer, 500-ohm, linear	MOU	31CN205	\$1.02
23	R4	Resistor, 10M-ohm, 5%, 1/4-w	RS	271-1365	\$0.49 /pkg of 5
24	R5	Resistor, 1M-ohm, 5%, 1/4-w	RS	271-1356	\$0.49 /pkg of 5
			or MOU	30BJ250-1.0M	\$0.14
25	R6, 7	Resistor, 2.2K-ohm, 5%, 1/4-w	RS	271-1325	\$0.49 /pkg of 5
			or MOU	30BJ250-2.2K	\$0.14 each
26	R8, 9	Resistor, 560K-ohm, 5%, 1/4-w	MOU	30BJ250-560K	\$0.14 each
27	R10	Resistor, 47-ohm, 5%, 1/4-w	MOU	30BJ250-47	\$0.14
28	SW1	Switch, rotary, non-shorting, 2P6T		275-1386	\$1.39
29	SW2	Switch, toggle, on-on, 4P2T	MOU	10TC290	\$7.03
30	SW3	Switch, toggle, on-on, 1P2T	RS	275-326	\$2. 9 9
31	T1	RF transformer, 4:1	MCL	T4-6T-X65	\$4.45
32	U1	National Semicon. LH0002CH	DK	LH0002CH-ND	\$9.45
33		9v battery snap-on connector	RS	270-325	\$1.39 /pkg of 5
34		9v battery holder	RS	270-326	\$0.99 /pkg of 2
35	C1	Knob, vernier dial	MOU	45KN100	\$14.98
36	R1, SW1	Knob, 1/4" shaft	RS	274-416	\$1.99 /pkg of 4
37	R2	Knob, 1/4" shaft	RS	274-415	\$1.69 /pkg of 4

Table 2: Vendor Information.

- AES = Antique Electronic Supply P.O. Box 27468 Tempe, AZ 85285-7468 1-602-820-5411
- DK = Digi-Key Corporation P.O. Box 677 Thief River Falls, MN 56701-0677 1-800-344-4539
- MCL = Mini-Circuits P.O. Box 350166 Brooklyn, NY 11235-0003 1-800-654-7949

- MOU = Mouser Electronics 2401 Highway 287 North Mansfield, TX 76063-4827 1-800-346-6873 (Also east & west coast locations.)
- RS = Radio Shack (Several locations, check the phone book for the store nearest you.)





Dave Schmidt P. O. Box 11502 Wilmington, DE 19850-1502

of the Members 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.

KEN ONYSCHUK - 1016 LOIS PLACE #204 -JOLIET, IL 60435

Hello again! I had a hard time figuring out how to write this MUSE, too many things to write about! (We should all have that problem!-DWS) Anyway, my wife, Jo Ann, and I had a memorable time at the NRC Convention. I met members I had not seen since 1987 and 1979, and enjoyed meeting Denver area non members also. Sports addict RICK DAU and I had fun recalling our 1993 get together. But I was glad to spend time with our editors again. Some of the time, I used the KIWA antenna to DX the gravevard frequencies. We also attended the DX Audio Service taping with JOHN BOWKERS' TRAVELOG on Saturday afternoon. We took MITCH POMERANTZ and ROGER GIANNINI to the banquet, later on we had a great time at the auction. I bought one cap only and taped part of it. Sunday morning there was a business meeting with KEN CHATTERTON, PAUL SWEARINGEN, and ERNIE WESLOWSKI before we had to leave for an area resort. The weather was very pleasant, 95-100 with low humidity. We rented a car and listened nostalgia primarily on KEZW-1430, rock oldies on KXKL-1280 (KOOL 105 simulcast); the 3 news-talk stations on 630-710-850 are OK, only 710 is CNN. Who forgot to alert us about the KHOW interview Sunday afternoon? I heard the tail end of it, never caught the name of the member being spoken with to promote the NRC. (John Malicky -pls) It was nice to spend some time at the Amtrak station with KEN CHATTERTON Monday night and discuss club doings. The only thing I regret is forgetting the cassette recorder under the car seat at the rental car place, while unloading luggage. I lost only the DXAS tape I made for JOHN BOWKER (later found it wasn't taped properly, a Night Bandscan, but I did tape an AM-FM bandscan and the NRC auction). Now we can plan for the NRC convention at Knoxville in 1996. I received a letter from Broadcasting magazine that they were not doing an NFL article in '95 or listing local radio or TV stations; nor are they planning one for '96. So as the DXAS Sports Editor, I am asking NRC members in cities with pro teams to send me a postcard prior to the start of the basketball and hockey seasons listing flagship stations and announcers if possible. Hockey News is maybe for station info and I hope the NBA will be as dependable as in the past. Locally, the IHL Chicago Wolves are on WCBR-92.7 and WLLI-96.7. I've read nothing lately on the pending WSCR-820 nite CP for 1200 watts, and I was surprised to read the article on the errors the FCC has made in compiling the 1610-1700 station list! A new list won't be available until next spring at the earliest. To finish, my White Sox had a disapponting season and hope to rebound in '96 on AM 1000! The Bears, I try to ignore, I look forward to the NBA season. I enjoyed the latest DX News; great job, fellas! 73

JOHN D. BOWKER - 1811 FORT DUQUESNA DRIVE - SUN CITY CENTER, FL 33573

Like so many others, I find it has been about a year since I checked in on these pages. That means this should be my 19th MUSE if my records are right. To re-introduce, I retired in 1987 after 35 engineering years with RCA and, largely since then, wife Linda and I have been travelling around the 48 states in our motorhome whenever we're not in our FL house. It's a great lifestyle and gives us a chance to visit and make air-checks of radio stations all over the place. The Aurora Convention was a LOT of fun, a personal thanks to PAUL SWEARINGEN for his reflections on the years of work with ANARC. I'm sure editor DAVE SCHMIDT will be able to make a real contribution as our new representative to ANARC. I felt bad that RICK DAU came away empty from the quizzes during the convention, he answered all but a couple of questions in each quiz section, only to find FRANK MERRILL or STEVE FRANCIS or CHRIS CUOMO doing him 1 better. RICK and ERNEST COOPER fought it out in a tie breaker by naming stations starting with the call letters WL--, ERNEST won. Maybe next year, Rick! And yes, we'll be Knoxville bound for next Labor Day if the creeks don't rise. Best of 73's from RADIOJOHN@AOL.COM (Next year, John, next year-DWS)

DAVID A. GASQUE - 1027 LAKEWOOD DRIVE - ORANGEBURG, SC 29118-9396

1st time Greetings from Orangeburg, SC. J.D. STEPHENS got me involved in the CPC program last year, so I thought I'd 'pay my dues' and join the NRC and the IRCA this season. This area is fairly dead as far as highpowered AM stations in close proximity, and the power lines in the neighborhood are buried underground, making for pretty good DX possibilities in the AM band. I use an Icom R71A and Kiwa loop for 90% of my monitoring activies, and a DX440 and Selecta-tenna when I'm to lazy to hook up the former. The Duke University TIS WPHE-255 has been coming in with a fair to good signal after sunset here for the last month or so (reported previously by MIKE HARDESTER). On football Saturdays, they change the loop to give information about the parking situations in and around the stadium and updated info on contruction around 185. John LeMay, verifier and tech who helped install the station passes on this info.: transmitter is a Digital Recorders, Inc., model DR-34-366, with an output power of 6.5 watts. He says there are at least 5 other TIS's around the area. One of those confirmed, call letters unclear, operated by the Greensboro COC, Jaycees and Coliseum Complex and my prepared card was returned, signed by Linda McCarthy, PR Director, but she failed to fill in the call letters! Both this station and WPHE-255 transmit off-frequency (1610.88) so I assume that the Greensboro system is also a Digital Recorders model. Received a real nice surprise in the mail a few days ago in the form of a prepared card from Radio Free Ybor, a TIS origionally reported in Larry Van Horn's MT column on 1/94. He speculated this to be a pirate and he was right, the builder of the transmitter never applied for a license and was subsequently shut down by the FCC! Ybor is a district of Tampa, FL, originally settled by the Dutch in the 1700's, and is going through a revitalization project. Radio Free Ybor may resume activity if the FCC grants a license, unsure if the original frequency of 1620 will be used. That's it from here, good luck to all this DX season, it looks like its going to be a good one! Oh yeah, I'm always looking for someone in the area for possible micro-DXpeds, feel free to write at the above address! (And we welcome you to the NRC, David, we'll look forward to your future reports!)

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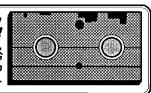
As I write this, I'm sitting in an office I've set up in Conway, SC but I've still not settled at an official 'den' yet so the DE address is still active and my wife will be forwarding me all the stuff each couple of days, plus trips back and forth will be taking place for a while. I've been to a number of the AM stations in the area so far, some of the FM's, and have even set up a listening post using the HQ129X mentioned last issue, a Stewart-Warner R390A ('59 vintage) and the MWDX5 using 2 175 LW's at 180 degrees. Locals include WJXY-1050 (5 miles away), WPJS-1330 (8 miles away) and WKZQ-1520 (15 miles away), and they can all be knocked out. More as the saga continues. 73's



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