



# DX NEWS

The magazine of the  
National Radio Club

— SINCE 1933 —

Volume 57, No. 29 - August 27, 1990 (ISSN 0737-1659)

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### Volume 57 Publishing Schedule

Issue #	Deadline	Publ.
30	Sept. 15	Sept. 24

**WGUB-1410** - 10401-328 Hwy. 441 - Leesburg, FL 34788 will conduct a DX test Sunday, September 16, from 3 am local time to 3:30 am. The test will include code ID's. Address your verie requests to Donald Connelly, GM.

**WLUX-1550** - P.O. BOX 2550, Baton Rouge, LA 70821-2550 will present a Special DX Test on October 13, 1990 beginning at 0630 ELT. The test will contain Morse Code ID's. Address reports to Mr. Ted Sauceman, General Manager, WLUX-1550. Both tests arranged for the NRC by the Colorado CPC Machine.

**From the Editor ...** A couple of columns must have fallen victim to the summer doldrums, as they did not reach Topeka by Saturday, August 18.

**Contests ...** George Sherman is asking for member suggestions as to what contest rules he should set up for this season's contest(s). The problem that we ran in to this season was that last season's contest swelled the two DDXD's so much with non-DX material that we had trouble finding room for necessary material. George said that he would like rules to help DX'ers not entered in the contest by providing them info, noting that DXN has columns for reporting all NRC Log changes except schedules, and that he noted 125 new station s/off-on times for corrections to the log. Bill and Wayne would prefer to stay with DX submissions, and I would tend to agree (and add that too many format change info is being sent to the DDXD editors and to me in the form of clippings. DXN hasn't printed clippings in the case of format changes for over a year, except in the case of unusual events.)

This is all healthy discussion over expansion, and George should have your input for consideration by about September 10.

**WCAU ...** Speaking of unusual format changes, Dave Schmidt and John Malicky phoned to say that WCAU-1210 is no more. Seems that they

have dumped 35 employees and now simulcast their FM outlet, taking the new calls of WOGL and converting to C-QUAM stereo. Another case of an expensive news outlet trimming its payroll to meet overhead and surviving on minimums.

**Deaths ...** Craig Healy forwarded news of the death of NRC member Clayton F. Adamson, Jr., 71, of East Greenwich, CT. Clay had been a field representative for GE, working on government contracts and supervising radar installations internationally.

Belatedly, several members forwarded the information that former DXN publisher Gordon Nelson had died early in 1989 in Maryland. Apparently one member had phoned his former wife to ask about another former NRC member when she relayed the news. Many of GPN's technical articles still are in print through NRC's reprint service; if I'm not mistaken, he was at least partly responsible in the '60's for reawakening DX interest in loop antennas as opposed to the "standard" longwires. Our condolences go out to both families.

**DXChange ...** Fred Vobbe - 706 MacKenzie Drive - Lima, OH 45802 would like to have those DX'ers who also work in a radio station to contact him for a project.

**DXGathering ...** see DXN #30 for details of Rick Dau's GTG in Iowa City November 4.

### Partial Publication Schedule, Volume 58

Issue #	Deadline	Publication Date
1	Sept. 29	Oct. 8
2	Oct. 6	Oct. 15
3	Oct. 13	Oct. 22
4	Oct. 20	Oct. 29
5	Oct. 27	Nov. 5
6	Nov. 3	Nov. 12
7	Nov. 10	Nov. 19
8	Nov. 17	Nov. 26
9	Nov. 24	Dec. 3
10	Dec. 1	Dec. 10
11	Dec. 8	Dec. 17
12	Dec. 22	Dec. 31

# AM Switch

**Jerry Starr**  
 c/o WHOT Radio  
 4040 Simon Road  
 Youngstown, OH 44412-1320

Status changes in AM stations, supplied by the FCC and NRC members

## CALL LETTER CHANGES

Old call:	New call:	Old call:	New call:
620 WJDX MS Jackson	WJDS	1410 KRFD CA Marysville	KMYC
640 CFCM ON Richmond Hill	CHOG	1450 WSRZ FL Sarasota	WSPB
730 KXKQ UT Ogden	KSVN*	WXCH SC Charleston	WUJM
740 WUNI TN Humboldt	WIRJ*	1460 WEWO NC Laurinburg	WXYF*
800 WNEZ FL Palatka	WPLK*	1470 WXBG NC Burgaw	WVBS
810 *New HI Princeville	KXDS	WOHO OH Toledo	WVWM
990 KBBQ CA Santa Barbara	KTUN	1510 WFKS SC Burnetown	WRKU
1170 WLED WI Waupun	WMMH	1520 WSVL TN Shelbyville	WOOO
1190 WHHH PA Hughesville	WEHL	1530 WZBZ TN Corydon	WOCG
1220 WGAR OH Cleveland	WFNF	1570 WKOL NY Amsterdam	WBUG
1270 WAMB SC Surfside Beach	WYAF	1580 WMBE TN Knoxville	WDMF
1400 WBPW MI Sault Ste. Marie	WFRW	1600 WFAE KY Entrance	WXLN
WCKT NY Buffalo	WYBA		
KMLA TX Texasland	TTTT		

NOTES ON CALLS: KXKQ 730 and WUNI 740 are both call changes that were set aside and never used on the air. WNEZ 800 change to WPLK corrects a typo by the FCC that gave the new call as WPLK last month.

## APPLICATIONS FOR NEW STATIONS:

770 NY Youngstown: 5000 D3  
 PA Ridgeway: 2500 D3  
 1270 NY Lansing Village: 1000/670 U4 (reapplication)  
 1600 TX Giddings: 500/250 U4 (reapplication)

**WRKO**  
 The Talk Station/AM 680

## GRANTS FOR NEW STATIONS

None

## APPLICATIONS FROM EXISTING FACILITIES:

640 WNNZ MA Westfield: night power to 1500 watts (reapplication)  
 WEMX MI Zeeland: city of license to Newburghville, IN, day power to 2500  
 790 CIAO ON Brampton: to 530 kHz with 1000/250 U4 (application will become effective if and when CMT 530 is granted their application to move to FM)  
 900 WODY VA Bassett: day power to 1800 watts  
 1020 WNTK NH Newport: to 720 kHz with 10000(2400 CH) D3 (reapplication)  
 1090 WKII FL Port Charlotte: city of license to Solana, FL, frequency to 1070 kHz with 3100/260 U2  
 1220 WXCT CT Hamden: powers to 5000/1000 U3  
 1240 KNSS KS Wichita: reduce powers to 630/630 watts  
 1270 KVCL LA Winnfield: reduce power to 820 watts  
 1350 WCRM FL Fort Myers: day power to 5000 watts  
 1430 KNTA CA Santa Clara: night power to 1000 watts  
 1470 WZGO PA Portage: decrease powers to 480/140 watts  
 1490 WOHI OH East Liverpool: reduce power to 660/600 watts  
 1560 WCDN OH Chardon: to 870 kHz with 500/190 U3 (reapplication)  
 1580 WCCF FL Punta Gorda: reduce day power to 710 watts

## GRANTS TO EXISTING FACILITIES

680 KBRW AK Barrow: relocate XR  
 690 CBF PQ Montreal: antenna to U1 (a real mystery to us, according to our records CBF has always been U1)  
 700 KSEV TX Tomball: day power to 25000 watts  
 800 WPLK FL Palatka: relocate XR (station presently silent)  
 860 WNOV WI Milwaukee: relocate XR  
 960 WLPR AL Pritchard: day power to 5000 watts

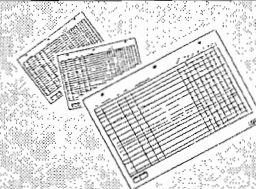
1200 -CP- ON Sault Ste. Marie: night power to 7000 watts  
 1240 WWNS GA Statesboro: changes in antenna system  
 WCRW IL Chicago: relocate XR  
 1270 WNOG FL Naples: night power to 1900 watts, relocate nighttime XR  
 1390 WHOT OH Youngstown: powers to 2500/1250, antenna to U1 (temporary antenna site while new U4 system is built)  
 1490 CKLO PQ L'Annonciation: night power to 1000 watts  
 1540 CHIN ON Toronto: reduce night power to 3000 watts (notice of this grant was published by the CRTC but for some reason this is the only radio publication in which the information appeared so far)  
 1570 KTER TX Terrell: power to 600 watts, antenna to D3

## OTHERNESS

810 WCEC NC Rocky Mount: this silent station has relinquished its license to the FCC and will not be back, scratch it from the Log  
 840 WTLI WI Plover: this CP has been CANCELLED by the FCC and call DELETED  
 940 KSWM MO Aurora: station is SILENT  
 950 \*App FL Ensley: application for new station has been DISMISSED  
 990 KTUN CA Santa Barbara: silent as KBBQ, station is back ON THE AIR  
 WKXC SC Aiken: station is SILENT  
 1000 WSPF NC Hickory: station is SILENT  
 1020 WJBG NJ Ocean City: station is ON THE AIR here, was silent on 1520 kHz  
 1030 WACG FL Oveido: new station expected on the air 11/90  
 1070 WHYZ SC Sans Souci: CP for this city of license (50000/50000 U4) is now ON THE AIR, ex-Greenville, SC  
 1130 WVEF SC Camden: station is SILENT again  
 1140 WEFI MA Easthampton: CP has been CANCELLED and call letters DELETED  
 1160 WTYN NC Tryon: silent station is back ON THE AIR (both WTYN and WPNF-1240 relay programming from WHKP-1450 at night)  
 1180 KDAN AZ Williams: this silent station is being sold and expected to return to the air  
 1190 WOEQ FL Royal Palm Beach: new station expected to be on the air soon  
 1250 WINF SC Winnsboro: station is SILENT  
 1260 KLCY OR McMinnville: silent as KCYX, station is back ON THE AIR  
 1330 WBLD SC Conway: station is SILENT  
 1340 KWIG MI Poplar Bluff: silent station is back ON THE AIR  
 1380 WFNW CT Naugatuck: silent station is back ON THE AIR  
 1400 KTUS TX Galveston: station is SILENT but will return after sale  
 1420 KYNG OR Coos Bay: station was SILENT, then was back ON THE AIR, all since our last edition  
 1440 WIRE IL Normal: station is SILENT and our monitor doesn't believe they ever used these calls before going silent, ex-WMLA  
 WPRS IL Paris: silent station is back ON THE AIR  
 WBCM MI Bay City: station is SILENT  
 1450 WDSG TN Dyersburg: station is SILENT  
 1460 KULA HI Maunawili: new station is ON THE AIR, first day was 7/3  
 1480 WARI AL Abbeville: station is SILENT  
 1530 WDEY MI Lapeer: station is SILENT  
 KWWB TX Creedmore: this station returned to the air with the call KGGW for about three weeks, then changed to KWWB as reported in AM Switch, KGGW calls never did appear in FCC Public Notices, call was KGTN when station went silent. Anyway, this should clear up the mystery of last issue.  
 1550 KITH CA Apple Valley: new station is testing ON THE AIR

## Logsheets - By Frequency

110 sheets, 25 entries possible per sheet  
 with space available to add your own columns. Punched for three-ring binders, full-size 8.5 x 11 inches, on heavy paper.  
 US\$5.00 (25 sheets for US\$1.25)  
 Order from the Pub Center.



1580 KBYP TX Shamrock: station is **SHED** and no longer on the FCC Database so you can evidently cross this one off your log (having been in Shamrock many times and having seen this operation we have to say we're not really surprised)

1590 WIXX WI New Richmond: application to decrease power to 400 DISMISSED

1660 KA2XXB MD Beltsville: NAB antenna test was on the air 6/10 through 6/23 at which time the tests were concluded. Each night the station operated with 400 watts and was monitored in Plainville, NJ by designer Ogden Prestholdt and engineers in Brownsville, PA. The results of the tests are expected to be released in mid September. With just four nights on the air, anybody who heard this one snagged quite a prize. And, yes, they have issued QSL cards to correct reception reports!

THANKS to the many members who contributed to OTHERNESS this issue: BILL HALE, DAVE SCHMIDT, JASON HUSTEDT, FRED VOBBE, DALE PARKS, DON TRELFOR, MIKE RIORDAN and M STREET JOURNAL.

73 and Good DX, *Jerry & BKF* Jerry Starr & Buffalo K. Fooman

# KA2XXB

Beltsville, Maryland

1660 kHz 400 Watts

An NAB experimental antenna system developed to suppress the sky wave emission from an AM broadcast station in a single direction.

Date *June 14, 1994* Time *10:51 PM EDT*  
Signed *Kelly Starr*

## IN THE BEGINNING

BY JOHN D. BOWKER

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

Frequency (kc)	Call letters	Main studio and transmitter location	Power	Time designation
630, regional (Canadian shared).	WMAL	Washington, D.C.	250 w 500 w LS	U.
	WGBF	Evansville, Ind.	500 w	
	KFRU	Columbia, Mo.	500 w	
	WOS	Jefferson City, Mo.	500 w	
	KGFX	Pierre, S.Dak.	200 w	

**NRC Stationery**  
Now only \$5.00 for 100 sheets ... including the NRC logo and header in black ink. Order today from the Pub Center.

# Domestic DX Digest - East

**William Hale**  
734 Burleson  
San Marcos, TX 78666

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

### MEDIUM WAVE RAMBLINGS

- Thanks to **Hank Holbrook** for sending a copy of his verification from KA2XXB, which is signed by **Kelly T. Williams**. Judging from the signature, "Kelly" is a male but no title accompanies the name.
- **Eric Bueneman** reports that **Kradio Iaino** seems to be weaker after midnight on 1160, as **WHAM** is coming in strong, and in Stereo. **WCCU-630** is back to being dominant, ditto **WJJD-1160**, after **Iaino** left those frequencies.
- Saw an ad for an **Aiwa HS-J170** "Headphone Stereo Recorder" (about the size of a **Walkman**) with **digital** tuning. It has a **9 KHz/10 kHz switch** easily accessible on the front of the unit! For those of you who DX the splits or have use for such an instrument across either ocean, you might look for it. Price...about \$85.
- Next deadline (the last of the volume year) is **September 8th**. The deadline for Volume 58 Issue 1 will be **September 22nd** and weekly thereafter until December. Let's hear from YOU. And don't forget to get your ONE best medium wave catch of alltime in to your DDXD headquarters by October 15th.

### SPECIAL

- 550 **KTSA TX SAN ANTONIO** - 8/6 now simulcasts the **KENS-TV Channel 5 6:00 PM newscast**; KENS is offering a package of the news with local ad breaks to up to 20 stations in their coverage area; this idea of TV news on radio seems to be a growing thing (see 1500) [Ed.-IX]
- 680 **WCNN GA NORTH ATLANTA** - is now **CNN Headline News** full time except during AM & PM drive; plans to add talk programming in the near future (EB-GA)
- 790 **CIGN ON SUDBURY** - 7/5 2350 good with C&W mx, lots of "CIGN" IDs; ex:CKSO; ON #72 (SA-MB)
- 930 **WZNN NH ROCHESTER** - 8/4 noted with this new call, using it only on the hour; ex:WKOS (SM-MA)
- WKY **OK OKLAHOMA CITY** - 7/19 0515 heard with **EZL/BBD** mx and announcing "The New 930, WKY"; ex:C&W mx; boy, was that a shock!! [Ed.-IX]
- 990 **WRMM NY ROCHESTER** - 7/12 noted with call on AM show; ex:WE20 (SM-MA)
- 1020 **WIBG NJ OCEAN CITY** - 7/4 1415-1520 fairly good signals with splash from **WYST** and **WNIL**; unique programming - Visitors Information Radio (like a TIS, but much more info); wx, activities in South Jersey, ads; info on fireworks, beach passes, fishing, boating forecast, entertainment; fascinating, no mx heard; info repeats every few minutes; ex:1520 (KH-MD)
- 1130 **KWKH LA SHREVEPORT** - 7/31 0515 per announcement this AM, add station to the **America in the Morning** list; tuned them in and it wasn't on...maybe they carry it later [Ed.-IX]
- 1220 **WKNR OH CLEVELAND** - semi-local is now **bird-fed C&W** and no longer **WGAR-FM**; uses call and non-IDs like: "Cleveland's KNR 1220" and "Yesterday's country classics and today's hottest hits. On the North Coast, this is AM 1220 WKNR"; :00 ID: "Classic Country, AM 1220, WKNR Cleveland"; this is supposedly an interim format and is to become **news-talk** shortly; ex:WGAR (REH-ON)
- 1360 **WKFR MI KALAMAZOO** - 6/22 2258-2302 fair with dual AM-FM ID + song by **John Cougar** + "WKFR FM 103" boat giveaway; ex:WKMI (RD-IA)
- 1380 **KGLD MO ST. LOUIS** - has picked up **Unistar's Oldies** Channel evenings and overnights (EB-GA)
- 1400 **WWXX GA ALPHARETTA** - license has been turned in to FCC due to owner's tax problem, so delete this from your Log (EB-GA)
- 1430 **WIL MO ST. LOUIS** - per **Rich Eddie**, has dropped traditional C&W for **BBD/NDS** (EB-GA)
- 1470 **WWWM OH TOLEDO** - semi-local has lost the C&W war in Toledo and is now **WWM-FM**; is now "Playing your favorites of yesterday and today" and now IDs as "3W 105.5 FM"; CLs only used for legal ID usually given about 6 or 7 minutes before the hour [then it's not given with the two-minute guideline!-Ed.]; "3W" is **WWWM Toledo** and **WWWM-FM Sylvania - Toledo**; 60th catch on 1470; ex:WOHO which was my 1st log on the frequency (REH-ON)

1500 WDPC GA DALLAS - returned to the air 7/16 with a Southern Gospel format (EB-GA)  
 KSTP MN ST. PAUL - 7/26 0659 good with "24 Hour All-News Channel" | KSTP-TV Channel 5, which is the feed station for this network; this is on several other TV stations, but haven't heard it on radio before (DS-WI)  
 1660 KA2XXB MD BELTSVILLE - 6/24 2210 & 6/25 2130 fair -good; QSL in (SM-MA) [Reported on 1560, but am sure you meant 1660-Ed.]

UNIDS AND UNID HELP

990 UNID ?? - 7/22 0418 fair with Jim Bohannon Show; looped E/W [Maybe WRMM-NY??-Ed.] (SA-MB)  
 WWCN MI YPSILANTI - possibly Shawn Axelrod's UNID of 6/13 (Issue 28); regular programming is Christian mx but does carry REL ILK @ 0500 (KEH-ON)  
 1060 KLMO CO LONGMONT or KNLV NE ORD - one of these is probably Mike Hawk's UNID with Royals BB in Issue 27 (IH-CA) Definitely KNLV (RD-IA)  
 UNID ?? - 6/24 0247-0332 fair ITs & OC looping N/S; probably KIDZ, but one can never tell (RD-IA)  
 UNID ?? - 6/24 0314 weak under the mystery OC with The Jim Bohannon Show; THIS ISN'T KYW or WNDE; ideas? (RD-IA)  
 1070 CHOK ON SARNIA - is probably Mike Hawk's UNID with Blue Jays BB (Issue 27) (IH-CA)  
 1180 R. IAINO CU My previous info re:Cuban station (Issue 27) is already out-of-date; I now get R. Iaino here, ex:1160; occasional EE ID in between SS (IH-CA)  
 1300 WIBR LA BATON ROUGE or KFLO LA SHREVEPORT - either could be Mike Hawk's unid (Issue 27) with Astros BB (IH-CA)  
 1330 UNID ?? - 7/9 0635 poor with Mexican or Latin American mx; looped E/W (SA-MB)  
 1450 WTOX ME/WRKD ME/WKIO ME/WUXL NH/WSTA VT any of these could have been Don Trelford's Red Sox UNID (Issue 27) (IH-CA)  
 1490 WARC MA MILFORD - probably this, instead of WARC (Don Trelford's UNID in Issue 27) referring to Logan International Airport in Boston (IH-CA)

DX AND EQUIPMENT TESTS

670 WMAQ IL CHICAGO - 6/30 0100 very good with announcement that stn was "going off the air for a while to perform routine maintenance"; kept OC on, never went off completely; ITs noted @ 0150 and 0212; 1st time I've heard this guy off in a long time (RD-IA)  
 1250 KBRF MN FERGUS FALLS - 7/2 2200 fair with announcement that stn would be off until 2300 "for technical adjustments" and that Larry King would be on @ 2300; stn went off completely @ 2201 (RU-IA)

STEREO LIGHTS LIT

750 WSB GA ATLANTA - station is presently broadcasting in mono, but has been testing in C-Quam (EB-GA)  
 1500 WCHM GA CLARKESVILLE - now in C-Quam (EB-GA)

MIDNIGHT TO 0800 HOURS ELT

550 WKRC OH CINCINNATI - 7/28 0156 good in WDUN null with AC, "WKRC Cincinnati's legal ID @ 0200, "SS WKRC" slogan in promo - local nx update (EB-GA)  
 860 WGDH IN MARION - 7/26 0619 fair with "We've got the best for you on 860 AM Stereo WGDH" - AC/CHR mx (DS-WI)  
 880 WCBS NY NEW YORK - 7/24 0127 very good, at times cremating the Cuban with EDI ICs, local nx and ads, business report, "WCBS News 88" slogan (EB-GA)  
 990 KGIM TX WICHITA FALLS - 7/28 0456 fair with E2L/MOR mx, NBC Nx; no QTH ID but ID after nx as "Easy 990, KGIM Wichita Falls (SA-MB)  
 1030 WNIL MD INDIAN HEAD - 7/9 0617 fair with REL program with soft-spoken man, not usual rowdy types as heard on other stations; MD #1 (SA-MB)  
 1060 WHFB MI BENION HARBOR - 7/26 0641 very good with C&W, several "Stereo Country AM-1060" slogans, wx and near shore marine forecast from St. Joseph Coast Guard Station (DS-WI)  
 1070 WIWS WV BECKLEY - 7/17 0617 with feature on white-water rafting in WV followed by detailed wx +cast - info on rail tours of the state; possibly all-travel info now; cremated by CHOK and totally lost @ 0630 when WBLC went to full power (KEH-UN)



1090 WBAL MD BALTIMORE - 7/24 0200 fair with KAAV and the Mexican with "The Spirit of Baltimore, WBAL Baltimore" legal ID - CBS Nx; MD #2 (EB-GA)  
 1140 WKWM MI KENTWOOD - 7/26 0645 unkn. but VERY LOUD with UC and IDs with Grand Rapids; local quality (DS-WI)  
 1180 WMLX KY FLORENCE - 7/26 0647 poor, fighting w/WXLA, with Budget Auto Rental ("Cincinnati's choice"), other local ads, traffic (DS-WI)  
 1290 CJBK ON LONDON - 7/8 0600 good with "CJBK" ID, under KOIL and in very rare CFX SP; ON #73 (SA-MB)  
 1330 WKIA IL EVANSTON - 7/18 0705 out of the blue with Roy Masters 'til 0730 - PSA for "Just Say No to Drugs" presented by Knagle's (probably misspelled) Garage on 6th Street in Chicago followed by call ID: "You're listening to AM 1330, WKIA. And now, let's continue with our next fine program; into The Heaven and Home Hour; Evanston July LSR is 0630 but two checks showed power increase to 5kw didn't occur 'til after 0700 (REH-ON)  
 1410 WIZM WI LA CROSSE - 7/4 0604 good with "WIZM" ID, local wx, local ads (SA-MB)  
 1500 WTOP DC WASHINGTON - 7/24 0030 poor with Orioles promo; "1500 WTOP"; Jim Bohannon Show; nx @ 0430; under WLQV (HF-MI)  
 1510 KIFG IA IOWA FALLS - 7/26 0700 poor with WLAC; "1510 KIFG" pronounced real slowly and clearly - OLD (DS-WI)

0800 TO 1600 HOURS ELT

640 CHOG ON RICHMOND HILL - 7/31 1539 with CHR and lots of "The Hog" non-IDs - promo: "Every 64 minutes, 24 hours a day, 168 hours a week we calculate Toronto's number one song from your requests...on the Hog, AM 640"; poor with WMLU nullled and under CFCU-630 splash; ex:CFCM & C&W; Ontario #150 (KEH-ON)  
 1600 WAAM MI ANN ARBOR - 7/14 1247 good with Eddie Hubbard with the "Browsers" 20s to 40s mx pgm; "You're listening to the great Washtenaw Weekend, we're 1600 WAAM Ann Arbor"; NBC Nx @ 1700; ads for Hickory Woods Golf Course, Huron Pet Supply, & Carpenter Brothers Hardware; Ken Kelly with wx (HF-MI)

1600 TO 2400 HOURS ELT

660 WMIC MI SANDUSKY - 7/6 2024 very good with oldies and ads for Schneberger's in Cass City, Decker Building Center, Jim Orchard's Carpet Service, Tubbs Brothers Ford; Jim Daniels & John Benko with nx; ABC Nx @ 2100; "Serving the Thumb and the Blue Water Area..." (HF-MI)  
 690 WNZK MI WESTLAND - 7/12 2024 good with "This is our World of Music"; "This is AM 6-90 WNZK Westland"; MOR/Lite POP mx (HF-MI)  
 790 CIGM ON SUDBURY - 7/17 2230 decent with Superadio in nearby WSGW null with Blue Jays' pre-game show, "Countdown to Baseball"; "LaBlatt's Blue Jays BB on the Telemedia Network"; ads for City Centre Shopping complex including Sunrise Sudbury Star, Central Guaranty Trust, The Man's Shop & Celebrity Carpet; promo for Scott Overton Show "on CIGM, Sudbury's Country" (HF-MI)  
 830 WCCO MN MINNEAPOLIS - 7/26 2232 very good with Jim Rogers call-in program/Hennepin County Fair; "Twins Baseball, a family tradition"; ads for St. John's Military Academy and College Painters (HF-MI)  
 980 CFPL ON LONDON - 7/25 2020 fair with "Radio 98"; requests @ 643-9898; MOR/POP mx (HF-MI)  
 1010 WITL MI LANSING - 7/25 1940 fair+ with "Little 100, the best country"; promo for Michigan Festival (HF-MI)  
 1200 WCHB MI INKSTER - 7/23 2050 poor with "Blues Review"; "Inside Gospel" local R&L pgm; "AM 1200 WCHB...the gospel you need" with steam train sounds (HF-MI)  
 WBZY PA NEW CASTLE - 7/23 2345 "From New Castle's home of the hits, WBZY" and "You're listening to 30 years of hits on 1200 WBZY"; female DJ with "12 in a row"; poor (HF-MI)  
 1260 WWJQ MI ZEELAND - 7/25 1950 fair with "People-to-People" R&L call-in pgm; "Serving Grand Rapids and Western Michigan, WWJQ Zeeland-Holland"; ad for Hamilton Chevy-Geo (HF-MI)  
 1270 WCMR IN ELKHART - 7/24 2247 poor with C&W mx; "Michiana News Update"; MBS Nx; WXYI/WKBF QRM (HF-MI)  
 1290 WHIO OH DAYTON - 7/26 2217 fair+ with Reds BB; WJRL QRM (HF-MI)  
 1310 CIWW ON OTTAWA - 7/1 2301 good with "Classical hits, all-time oldies...1310"; "Commercial-free Sunday"; "W-13-10" (HF-MI)  
 1320 WWTI VT RANDOLPH - 7/30 2200 with Boston Red Sox BB; WARA QRM with Pawtucket Red Sox BB; no local WDER (SM-MA)

1380 WQHK IN FT. WAYNE - 7/26 2215 fair+ with "There's only one real country music station in Ft. Wayne and this is it, 1380 WQHK (HF-MI)

1430 WXTZ IN INDIANAPOLIS - 7/16 2220 Fair+ with "The New WXTZ"; oldies; CJCL QRM (HF-MI)

WFOB OH FOSTORIA - 7/24 2206 poor with Indians BB; gave way to CJCL (HF-MI)

CJCL ON TORONTO - 7/24 2209 poor with "Labatt's Blue Jays Network"; ad for Petro-Canada; QRM from WFOB (HF-MI)

1440 WRRU OH WARREN - 7/22 2103 with tornado warning for Mahoning and Columbiana Counties; GUS mx REL pgm; poor (HF-MI)

WNFL WI GREEN BAY - 7/12 2113 fair+ with Bruce Williams on Talknet; ad for Kopp(?)'s Frozen Foods on Lombardy Street; promo for Brewers Sun Glasses Day; QRM/WRRU (HF-MI)

1500 WLDU MI DETROIT - 7/16 2116 good with R.G. Reynolds "Reynolds Rap" financial advice pgm; at 0200 "The Voice of freedom Ministry" REL pgm; most surprising thing about this one was how well it did against local 1490, WHPX (maybe the effects of those new audio standards are showing up!?) -Ed.) (HF-MI)

1540 WNRB OH NILES - 7/22 2132 out from under CHIN with call ID; may have been the one with B:REL; only 113 miles but is super-rare, obviously protects WABQ which lies between here and Niles (that's just one of the stations it appears to protect-Ed.); fortunately, WABQ disappears when they go to PSSA; WNRB has sign-off @ XCEL LSS; ex:WNIO (REH-ON)

1570 CHLO ON ST. THOMAS - 7/23 2325 good with "Oldies 1570 CHLO"; "Good-time favorites only on Oldies CHLO"; many C&W oldies; PSA for Girl Guides of Canada (HF-MI)

1600 CHNR ON SIMCOE - 7/23 2325 poor with "We are 1600 CHNR"; rock mx (HF-MI)

REPORTERS

TH-CA TIM HALL//Chula Vista, CA//help with unids

RD-IA RICK DAU//Oakland, IA//R-1000 + RW Loop (received too late for regular loggings to be printed in Issue 28...sorry Rick)

HF-MI HAROLD FRODGE//Midland, MI//R71A + 185' RW & GE Superadio

US-WI DOUG SMITH//Madison, WI//Superadio II barefoot

HH-MD HANK HULBROOK//Fair Haven Cliffs, MD//SP-600 + 50' Lw

SA-MB SHAWN AXELKUD//Winnipeg, MB//R-70 + 100' Lw or 3' loop

EB-GA ERIC BUENEMAN//Woodstock, GA//DX-400, TM-152, SM-2

EB-GA1 ERIC BUENEMAN//near Dunwoody, GA//Mopar AM5/FM5

REL-ON CHARLES REH//Leamington, ON//K-390A + Sanserino Loop & Realistic TK-3000 open reel tape deck

SM-MA STAN MORSS//Boxford, MA//HQ-180A + Spacemagnet



ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DDXD-E

|:parallel with or to +:to or into :00: on the hour AC:Adult contemporary AP:Associated Press BBD:big band BRM:Business radio net C&W:country & western CHR:contemporary hit radio CID:code ID ContChr:contemporary Christian E2:easy listening EE:English FF:French GUS:gospel I&M:Interstate Radio Net j:jingle LSR:local sunrise LSS:local sunset mx:music nx:news NPR:National Public Radio OC:open carrier PDL:political PSRA:pre-sunrise authority PSSA:post-sunset authority QRM:interference QTH:location REL:religious ROK:rock 'n' roll RS:regular schedule S:stereo SID:singing ID SSS:sunrise skip SS:Spanish SSB:Star Spangled Banner SSS:sunset skip TC:time check TT:test tones UC:urban contemporary UPI:United Press International wx:weather

# AM Stations Warned On NRSC Standards

Small market AMs — beware. The FCC's technical police are on the prowl and could soon be handing out hefty fines.

According to a Commission enforcement official, the agency is on the hunt for AM stations that aren't in compliance with the NRSC emission standard, which went into effect on June 30 — and it expects to find plenty of violators in small markets. Stations found to be in violation face a possible \$5000 fine. In early July the FCC conducted

### Radio and Records -via Jerry Starr

a nationwide survey of 374 randomly selected stations and found that all were in compliance with the new standard, which is designed to reduce adjacent channel interference by reducing the signal band width to 10kHz from 15kHz. "Our original idea was to go in and zap some people to drive home

our point," said FCC Enforcement Specialist Jeff Young. "But it didn't work out that way." However, Young added, "We're not closing our eyes to this [compliance] problem. As we conduct our normal broadcast enforcement work, we'll be looking closely at [NRSC] compliance."

Young said he suspects that small market stations probably don't have the same high level of compliance found in the random survey, which included stations in large, medium, and small markets. "I think if we had been looking for problems we would have focused on small markets," he said.

73 Bill

## Domestic DX Digest - West

**Wayne Heinen**  
4131 S. Andes Way  
Aurora, CO 80013  
FIDO NET 104/108  
(303) 699-6335 (prepaid only)  
DX Catches in the Western U. S. and Canada, with 24-hr. ELT

Welcome, Duncan Shaw - please report often!  
Here goes this month's "short one"!

further notice. (DS-CA)  
1450 KSPA CA Escondido  
7/15 1930 New calls - format now NOS/BFL/STD. Sounded like a satellite feed. UPI Nx @ :30. Slogans "K- SPA, The new 14-50, The great Stars, The Great Songs". (ex-KOWA) (TH-CA)

**SPECIAL!**

530 KNEC996 CA San Ysidro  
7/4 New Station NSP Pest here. Great signal; must be 10 w. EE/SS Tape Loop advises motorists to watch for aliens crossing freeways near the border. Call ID spliced near the top of the hour. Operated by CA Dept. of Transportation, not affiliated w/defunct 1610 which was U.S. Customs. New CA # 219 (Don't confuse this w/ other "CAL-TRANS" stations w/ same call sign). (TH-CA)

530 WNAG556 CA Coronado  
7/15 Silent since possibly due to QRM from KNEC996 throughout their coverage area. (TH-CA)

1050 KOFY CA San Mateo  
8/4 2259 This station now // KOFY-TV Channel 20. ID: "Welcome to your place, KOFY TV 20. KOFY AM 1050, San Mateo". Rumor has it they are remodeling their studio & will do this 'til

**Midnight to Midday**

740 (KCBS) CA San Francisco  
7/14 0350 Off leaving KMEQ/KTRH/Unid SS. (TH-CA)  
780 (KROW) NV Reno  
7/14 0355 Off, leaving WBBM weak in QRN. (TH-CA)

**Contributors!**

(DS-CA) Duncan Shaw - San Rafael, CA - DX-440  
(TH-CA) Tim Hall - Chula Vista, CA - ICF-2010, Radio West Loop Delco Car Rx

73 Wayne

## Strother: Convert All AM & FM To Digital

Ron Strother's digital radio venture, Strother Communications, has asked the FCC for a sweeping rules change that would gradually eliminate both AM and FM in favor of a new digital band. Strother wants to relocate all current stations on a digital audio broadcasting (DAB) service and phase out the AM and FM bands after a period of simulcasting.

"Once the conversion is complete, the interference and reception problems associated with AM/FM technology will disappear, all radio stations will compete on a level playing field, and listeners will enjoy CD-quality sound in over-the-air broadcasts," the company claimed in its filing. "Further, the entire existing AM and FM bands would then be available for other uses."

### Identical Coverage

Strother maintains some 48 MHz of new spectrum space would be needed to accommodate every current AM and FM station in the nation on new digital frequencies. All stations in a single market would have identical coverage areas — 60 miles in diameter for major metro areas, 40 miles for rural broad-Radio and Records -via Jerry Starr

casters — giving current AM operators parity with their FM cousins. Strother proposes to use the DAB system developed by Europe's Eureka consortium and has already requested permission to test the technology on unused UHF TV channels in Washington and Boston.

"We think you could see the licensing begin in 1995," Strother told R&R. He said the rulemaking request was submitted to the FCC now so regulatory questions can be resolved before worldwide frequencies are allocated for digital radio at the 1992 World Administrative Radio Conference. U.S. broadcasters could then have a framework in place for implementing DAB.

Phasing out AM and FM, as foreseen by Strother, wouldn't happen until digital receiver penetration reaches a set goal. For example, he suggested simulcasting could continue for two years after pene-

tration reaches 65%, then broadcasting would continue only on the digital band.

### Spectrum Options

The biggest obstacle Strother and other digital proponents face is finding spectrum space to use for the proposed DAB service. For terrestrial digital radio, Strother wants frequencies as low as possible. The first choice identified in his filing is the band from 225-399.9 MHz. Most of that band is used by the military and details on exactly how it's used remain classified.

Strother is also targeting the UHF TV band, 470-806 MHz (channels 14-69), as a possible prime location. The filing noted that the FCC is likely to use the band for high definition TV (HDTV), but added that "recent developments in the field of video compression" may greatly lower HDTV's spectrum requirements. Strother also suggested that, once abandoned, the current FM band could be turned over to TV. "We're not trying to impair or stop HDTV," consulting engineer Steve Crowley told R&R. He said it might be possible for DAB to share UHF frequencies without causing interference to television stations.

If Strother can't have his preferred frequencies, he's also listed a number of other options: 1460-1530 MHz, 1710-1850 MHz, 1850-1990 MHz, 2200-2290 MHz, and 2500-2690 MHz. All, of course, have current users who can be expected to defend their turf.



# Formats

## Tony Fitzherbert

356 Jackman Avenue  
Fairfield, CT 06430

Changes in programming status; reported by NRC members and others

I was wrong in predicting that CFGH-640, Richmond Hill, ON, would go to urban contemporary or paid religion. But whoever said that the mystical world of radio was logical?? While in Ontario on railroad trip # 2, a general manager of one of the stations soon to be profiled in these very pages advised that the station now programs loud rock music, satellite fed from a station in Tampa, FL., and is using the call CHOG. If satellite - fed from Tampa, how does CHOG (complete with gutteral pig grunts) get around the Canadian content law? Under this mandate, 30% of all music aired on the AM dial must consist of Canadian talent. And how will CHOG stack up against the market FM dial?

In Boston, WEEI-590 has lost CBS and the station has been sold to the Boston Celtics, and CBS, alarmed by a heavy sports commitment, has moved to rival talker WRKO-680. WEEI placed 12th in the Spring Arbitrons, and WRKO landed in the 4th spot. WEEI formats news all day, and sports/talk at night, and WRKO airs talk during the day and sports at night. WEEI carries the Celtics (of course!) and the Bruins, and WRKO airs the play by play for that fine baseball team, the Red Sox.

In Chicago, a Sun Times article announced that black talk WCGI-1390 landed in the Gobi Desert of the ratings with a 0.3 rating, and the format is to be changed.....maybe all Hog (snort, snort!) radio for Chicagoland???

Our contributors for formats, and a huge thanks to all...are Mike Reardon (MR), of Santa Barbara, CA, Dave Schmidt (DS) of Musings fame, Joe Johnson (JJ), of Savannah, GA., Geov Parrish, who provides IRCA with a very comprehensive column, and TF, on the rails between Detroit, Port Huron, and Chicago. Ye editor also provides a Dial Scan from Chicago. Here goes....

550	KCWR	CA	Bakersfield	- Satellite traditional CWM (GP).
580	CKWW	ON	Windsor	- "Windsor's Information Station", news, talk, sports, AC music, focused on Windsor. (TF).
620	KCMX	OR	Ashland	- Satellite CWM (GP).
630	WSUN	FL	St. Petersburg	- CWM (again) (GP).
630	WBMQ	GA	Savannah	- Talk, CBS, ABC Talkradio, NBC Talknet, Sun Radio as of 4/2/90 (JJ).
640	CHOG	ON	Richmond Hill	- Loud rock, "The Hog" Snort, snort!(TF).
700	WCAT	MA	Orange	- Satellite rock oldies (GP).
800	CKLY	ON	Windsor	- Still MYL, in spite of a slip to 2.2 in the ratings (TF).
850	KMDY	CA	Thousand Oaks	- Comedy (MR).
850	KHLO	HI	Hilo	- CWM (GP).
860	KSFA	TX	Nacogdoches	- Black (GP).
900	WEAS	GA	Savannah	- Religion, CBN network (JJ).
940	WADV	PA	Lebanon	- Now contemporary Christian (DS).
970	KDSX	NC	Canton	- Now CWM (GP).
990	KTUN	CA	Santa Barbara	- Back on air with show music (MR).
990	WYAT	LA	New Orleans	- Satellite 50's and 60's oldies (GP).
1020	WIBG	NJ	Ocean City	- On air here with Travellers' Information, tape loops every 15 minutes. (DS).
1070	CHOK	ON	Sarnia	- Full service, AC (TF).
1110	CKTY	ON	Sarnia	- Modern CWM, 24 hours daily (TF).
1130	WEHR	NC	Eden	- Variety, satellite talk (GP).
1130	WHDH	SC	Hilton Head	- Travelers' Information, "Your Visitors' Information Station" (GP).
1160	WKCM	KY	Hawesville	- Satellite rock oldies (GP).
1170	WSVG	NY	Cornwall-on-Hudson	- Indeed silent (TF).
1170	WMRH	WI	Waupun	- Satellite adult standards (GP).
1190	WKHL	PA	Hughesville	- Oldies //new FM (GP).
1200	WXET	IL	Chicago	- Spanish, "Radio Exitos" (GP).
1200	WCHB	MI	Taylor	- UC, Gospel, now moved to new XR site, which I could not find in Taylor, studios still on Henry Ruff Road in Inkster, and the old array is being used by WMKM-1440, whose studios are at 1519 East Jefferson, Detroit. Power, according to the PD at a competitor is 1000/250, U-4. Personnel at WCHB would give no information "It has to come from the owner, and he is not here!" (TF).
1220	KBET	CA	Santa Clarita	- Rock oldies (GP).
1220	WGNV	NY	Newburgh	- Adult standards, UPI, "America's Classic" (TF).
1230	WHUC	NY	Hudson	- Full service AC, hours are 0559-2210 Monday thru Saturday, 0757-2210 on Sunday, according to detailed S/off which includes everything but receptionist's name! (TF).
1230	WEEX	PA	Easton	- Now SMN Pure Gold, drops CWM (DS).

**1480WVNS**  
Live hits and more!

1240	KDEC	IA	Decora	- Adult standards(GP).
1250	KTMS	CA	Santa Barbara	- News/talk (MR).
1260	WBNR	NY	Beacon	- Oldies, night 400 watts is on air from two huge towers.(TF).
1270	WYVN	FL	Tallahassee	- "Motivational 1270" (JJ) "Yech!" (TF).
1270	WYAK	SC	Surfside Beach	- CWM//FM (GP).
1280	KDVR	OR	Eugene	- Satellite Rock oldies (GP).
1290	KESP	CA	Santa Barbara	- Still silent (MR).
1300	WWCH	PA	Clarion	- CWM (GP).
1300	WMTN	TN	Morristown	- Satellite talk (GP).
1340	KTST	CA	Santa Barbara	- Rock oldies, AC // KMGQ 0001-0600 (MR).
1360	WGFA	IL	Watsesa	- CWM//FM(GP).
1380	WPHM	MI	Port Huron	- Full service AC (TF).
1390	WEOK	NY	Poughkeepsie	- Hits 40's - 60's (TF).
1410	KQAM	KS	Wichita	- Adult standards (GP).
1420	WQBL	MS	Vicksburg	- AC (GP).
1420	WVOT	NC	Wilson	- Oldies "14 Gold" (GP).
1430	WNWZ	TN	Germantown	- News/talk and EZL(GP).
1440	WMKM	MI	Inkster	- Black gospel, using WCHB's old 12 tower array behind the WCHB studios on Henry Ruff Road in Inkster (TF).
1450	KVEN	CA	Ventura	- News/talk (MR).
1450	WSRZ	FL	Sarasota	- Fine arts, will be WSPB when sale is complete (GP).
1450	WHLS	MI	Port Huron	- Full service AC (TF).
1450	WTHU	MD	Thurmont	- CWM (GP).
1450	WKIP	NY	Poughkeepsie	- Talk, info, AC (TF).
1450	WJXN	MS	Jackson	- Business news days, religion nights (GP).
1470	KBSN	WA	Moses Lake	- News/ talk (GP).
1480	WHBC	OH	Canton	- Mix of adult standards and oldies (GP).
1490	KDB	CA	Santa Barbara	- Money Radio weekdays, classical music nights and weekends //FM (MR).
1500	WGEN	IL	Genesen	- AC (GP).
1510	KTID	CA	San Rafael	- Adult standards (GP).
1510	WPUT	NY	Brewster	- Talk, adult standards, CNN (TF).
1510	WRKU	SC	Burnettown	- Satellite rock oldies (GP).
1520	KTRO	CA	Port Hueneme	- Spanish (MR).
1540	WECZ	PA	Punxsatawney	- Satellite adult standards (GP).
1580	WKTG	GA	Glennville	- Southern Gospel (GP).
1590	WTRW	WI	Two Rivers	- Drops polkas for rock oldies and Talknet (GP).
1590	KOGO	CA	Ventura-Oxard	- SMN Pure Gold oldies (MR).
1590	WSMA	MI	Marine City	- Traditional and Blue grass CWM (TF).

And on to a dial scan from Chicago, from the Chicago Tribune....

560	WIND	IL	Chicago	- Spanish.
670	WMAQ	IL	Chicago	- All news, White Sox BB, NBC.
720	WGN	IL	Chicago	- Variety, talk.
780	WBBM	IL	Chicago	- CBS, news.
820	WXEZ	IL	Chicago	- EZL//FM.
850	WAIT	IL	Crystal Lake	- EZL.
890	WLS	IL	Chicago	- TALK.
930	WAUR	IL	Sandwich	- Hits, 50's-70's.
950	WJPC	IL	Chicago	- Urban contemporary.
1000	WLUP	IL	Chicago	- AOR, talk.
1030	WNVR	IL	Vernon Hills	- Business news.
1110	WMBI	IL	Chicago	- Religion in English and Spanish.
1160	WJJD	IL	Chicago	- Easy listening (MYL??), talk.
1200	WXET	IL	Chicago	- Spanish music and features.
1220	WKRS	IL	Wauhegan	- News/talk.
1240	Various			- Brokered ethnic.
1280	WYSY	IL	Aurora	- Adult contemporary.
1300	WTAQ	IL	LaGrange	- Spanish.
1330	WSSY	IL	Evanston	- Ethnic, religion.
1390	WCGI	IL	Chicago	- Black talk and features.
1430	WEEK	IL	Highland Park	- Ethnic.
1450	WVON	IL	Cicero	- Inspirational, talk.
1450	WCEV	IL	Cicero	- Ethnic.
1490	WPNA	IL	Oak Park	- Ethnic, primarily Polish.
1510	WVHN	IL	Joliet	- Urban oldies.
1530	WKDC	IL	Elmhurst	- Jazz.
1570	WBEE	IL	Harvey	- Jazz.
1580	WKKD	IL	Aurora	- Oldies.
1590	WONX	IL	Evanston	- Spanish.

73's



The above Dial Scan is from the Chicago Tribune, who will no doubt be delighted by telephone calls to correct any mistakes....and until next time, please get format changes in your areas in, to share with all of us...as the next DX season approaches.....





cut Public Radio, o/u NPR programming which ultimately I ded as **WJFF** Jeffersonville, KY. 0733-0738 brought **WFSC-88.7** Wayne, NJ with **ROK** (likely New Wave) and ID. 0738+ had a preacher on 88.5 over **WAMU's** NPR programming, talking about hypocrisy, but no indications who. Only **REL** format to the NE (given the opening) is **WHCF** Bangor, ME, which I'm NOT about to claim. (Maybe **WGCA-88.5** Quincy, IL was skipping in from the back side. There could be others to the SW-eb.) Also had unneeded **WRGN-88.1** Sweet Valley, PA with **REL** over usual **WJHU** at 0725, and probably **WGBH-FM** again on 89.7 with **SS CLA** at 0730. 7/11 brought **WASH-97.1** Washington, DC with news and ID at 0658-0700 in a **WQHT** fade. Finally, is there anything out there which is accessible and inexpensive which lists all of the NPR outlets? I'm getting tired of wasting thirty minutes or more at a time on unneeded stations who happen to be running network programs. 73s.

**Hank Holbrook**, 407 Arundel Rd., Fair Haven Cliffs, MD 20754: Receiver used was a Realistic DX-400 with whip. July 20: 1122-1145 **WDIH-90.3** Salisbury, MD new station on the air with **Black Gospel**, was in a fund raising drive at the time. Pretty good at 60 miles with the portable, **ERP** listed at only 378 watts. Calls stand for **Deliverance Is Here**, and address is: **WDIH 90.3 FM**, P.O. Box 186, Salisbury, MD 21801.

**Tom (The Colonel) Sanders**, 1472 Hunters Ridge Ct., Davison, MI 48423: These are FMs I have heard during the first two E-Skip openings of the season at this QTH: May 28: 0030 **WAFB-90.3** Fort Lauderdale, FL with Contemporary Christian music "for the beautiful Gold Coast of Florida" and Broward County Community Calendar; 0045 **WMCU-89.7** Miami, FL "South Florida's Christian Alternative"; 0050 **WMNF-88.5** Tampa, FL with '70s rock, including unreleased Ten Years After tapes; 0100 **WNCN-88.1** Jacksonville, FL "first on your FM dial, the very best in Christian contemporary music". May 31: 1940 **WAVV-101.1** Marco, FL with "Wave 101" and **EZL**: 1950 **WQTD-93.7** Biloxi, MS with **CHR**, "Your new Number One, 93-7 QID" slogan and Bay St. Louis beachfront festival **PSA**; 2000 **WMAW-88.1** Meridian, MS with weather and ID for all Public Radio Mississippi affiliates; also at 2000 (two radios going by that time) **WJSD-88.5** Jackson, MS with "The Metro Alternative" and album hour hosted by Courtney Christopher Page; 2015 **KFNF-FM 101.1** Oberlin, KS (as the opening moves west) with Kansas City Royals pre-game show (in Detroit Tigers territory?!?-eb) and "550 Radio KFNF Oberlin" legal ID. (Is there a new station on 550 in Oberlin that Jerry Starr or myself don't know about?-eb); 2040 **KFAN-101.1** Fredericksburg, TX with satellite AC "with the widest variety of popular favorites"; 2050 **KTXQ-102.1** Fort Worth, TX with "O-102, Texas' Best Rock" slogan, "Triple Shot Thursday" promo and ads for the June 4 David Bowie concert and Texas Chevy dealers (Sorry, I'd rather buy a Ford, hi!-eb); 2055 **KQXT-101.9** San Antonio, TX with "KQ-102" slogan, Wynton Marsalis concert promo and a reminder to "keep your 'easy' button on KQ-102"; 2100 **KNCN-101.3** Sinton, TX with "KNCN Sinton/Corpus Christi's Rock and Roll Legend, C-101" legal ID, with Top 500 Week-end (indicative of either Classic Rock, AOR or Oldies-eb), "The Unnamed Morning Show" promo, ads for Sharkey's in Port Aransas and National Video on South Padre Island Drive; 2115 **KXGC-96.9** El Campo, TX with automated-sounding **EZL**, "Across the Gulf Coast, X-97" slogan; 2117 **KRYS-FM 99.1** Corpus Christi, TX with satellite AC and "Playin' Back-to-Back Favorites" slogan (has since switched to **CWM-eb**); 2130 **KNTU-88.1** Denton, TX with vocal jazz show hosted by Scott Baum and "Live Wire" jazz calendar, from North Texas State University; 2140 **KMCO-101.3** McAlester, OK with **CWM**, ad for Beale's GoodYear, at First and Choctaw in McAlester; 2150 **KMTQ-102.1** Houston, TX with "Magic 102" slogan, **CHR**, ending Top Eight at 8 (CLT) and "48-Hour Winning Weekend" promo; 2155 **KSTX-89.1** San Antonio, TX with "Riverwalk-Live from the Landing" Saturday night music show promo, NPR news headlines and "Fresh Air" starting at 2200; 2235 **KGZ-88.1** Abilene, TX with Contemporary Christian, "Music with a Message-KGNZ" and "The Light is On in San Angelo-88.1 FM Abilene, 90.1 FM San Angelo" slogans, "Focus on the Family" promo (weeknights at 1900 CLT) and updated listener pledge totals. I have a Pioneer SX-850, an older non-digital receiver, with an Archer deep-fringe FM antenna that I have standing in my living room, since these condo buildings don't have towers. Living on the second floor might help somewhat. My Sony CFS-1010 blaster worked very well. While playing all the tapes back, I noticed that **KNCN** was the only one I heard in Stereo, and they were the stronest May 31 reception and also were listenable the longest, over 30 minutes. So, there ya have it-hope this makes up for the shortage of DX early in the season. (It MORE than makes up for it!-eb.) 73's, Tom.

**Harry J. Hayes**, 9 Henry St., Wilkes-Barre, PA 18702: This reporting period was largely dry of E-Skip DX, however the biggest DX opening happened on July 8. June 16 (trop): 0132 **WPXY-FM 97.9** Rochester, NY fair with **CHR**, local in Hazleton was off. 0156 **WASH-97.1** Washington, DC with a fair signal. 2130 pirate **WBRX-100.5** Wilkes-Barre, PA audible on entire band, as this was very close, with rap music from 2 Live Crew, with only some Anglo-Saxon expletives, or obscenities, bleeped, and announcer identifying himself as only Mr. X. Thankfully, this hasn't appeared since. (Maybe the FCC busted him!-eb) June 19 E-Skip: **WQCV-95.3** Homosassa Springs, FL with "Citrus 95" slogan and Oldies (Read Bob Smolarek's report for the solution to the **WOLZ** mystery-eb); 1925 **WALPE-95.1** Jacksonville, FL with "Big Ape" slogans and **CHR** (FM side of **WPDQ-690-eb**); 1925 **WNLQ-91.7** Fernandina Beach, FL with mention of **REL** service in town; 1932 **WFTI-91.7** Fort Lauderdale, FL with ID and **REL**; 1945 **WYUU-92.5** Safety Harbor, FL coming through the sidebands of locals 92.1 and 92.9 with "U-92" slogan and **OLD**, ex-**KWCR**; June 26 E-Skip: 2005 **WJST-94.5** Port St. Joe, FL with IDs and **GOS** (Black or Southern?-eb); 2017 **WJZZ-96.3** Albany, GA with "Z-96.3" slogan and numerous mentions of Albany; 2024 **WNTN-94.9** Tallahassee, FL with "TNT Country" slogans. 2037 **KUEZ-99.3** Lufkin, TX with ID and **OLD**; 2050 **WYMX-99.1** Greenwood, MS with "Max-99" jingles and ID on jingles, ex-**WSWC**. Same day trop 2245 **WIKZ-95.1** Chambersburg, PA with **CHR** and ID. June 29 trop: **WSHI-99.7** Pittsburgh, PA weak with ID. July 1 E-Skip: 1027 **KHYI-94.9** Arlington, TX with a promo that made fun of it's competition. July 3 trop: **WETA-FM 90.9** Washington, DC with **CLA**. July 6 E-Skip: 2057 **KWEN-95.5** Tulsa, OK (FM side of **KRMG-740-eb**) with "K-95" slogan and ID; 2058 **KITO-96.1** Vinita, OK with ID; 2102 **KXUS-97.3** Springfield, MO. July 7 E-Skip: **WOVV-95.5** Fort Pierce, FL with **CHR** and

(Hayes, continued) jingles. July 8 E-Skip: 1417 **KSMB-94.5** Lafayette, LA with "FM 94 1/2" slogan; 1420 **WTYX-94.7** Jackson, MS (Calls are correct-eb) with "Oldies 94" slogan"; 1420 **WOHT-95.5** Jackson, MS with rap music and "Hot 95" slogan, **WSLI-FM 96.3** also in with light AC, was shortly wiped out by **KYKX-96.1** Lake Charles, LA with **CWM** and "Kix 96" slogan; 1422 **WMTI-99.7** Jackson, MS with rap music and Jackson mentions; 1441 **WAMS-97.5** Oxford, MS with "Miss 98" slogans, ex-**WOOR**; 1442 **KBU-103.7** Lake Charles, LA with jingle ID; 1454 **WSOR-90.9** Naples, FL with ID, **REL** and mention of **WS FL**; 1500 **KLTY-94.1** Fort Worth, TX with **REL** and mention of Dallas area, ex-**KOJO**; 1508 **KPLX-99.5** Dallas, TX with "K-Flex" slogan; 1515 **KTSU-90.9** Dallas, TX with ID and "The Choice" slogan"; 1540 **KITX-95.5** Hugo, OK (lucky that the hurricane that bore that town's name missed it-eb) with ID and **CWM**; 1546 **KMAG-99.1** Fort Smith, AR with **CWM** and IDs; 1552 **KRAJ-95.7** Ardmore, OK with **CWM** and ID; 1600 **KSOZ-90.5** Point Lookout, MO (ex-91.7-eb) with Weather of the Ozarks and numerous IDs; 1605 **KEBC-94.7** Oklahoma City, OK with ID and **CWM**; 1616 **KLITE-101.9** Oklahoma City, OK with **OLD** and "K-Lite 102" slogan, over local **WAY**; 1623 **KEYN-103.7** Wochita, KS with **OLD** and ID; 1624 **KTFX-103.3** Tulsa, OK with weather report and ID; 1637 **KRZZ-96.3** Derby, KS (ex-95.9-eb) with IDs and AC or **CHR**; 1705 **KQUS-97.5** Hot Springs, AR with **CHR** (ex-**CWM-eb**); 1800 **KCBI-FM 90.9** Dallas, TX very weak; 2219 **KLDZ-95.1** Lincoln, NE with **OLD**; 2235 **KUTT-99.3** Fairbury, NE with "Stereo 99" and "The Spirit" slogans, **CWM** and weather for Nebraska. Same night, super strong trop into the Pittsburgh area. 2241 **WKYE-95.5** Johnstown, PA with "Key 95" slogan; 2243 **WSHH-99.7** Pittsburgh, PA super strong with "Wish 100" slogan"; 2257 **WDSV-107.9** Pittsburgh, PA (FM side of **WEEP-1080-eb**) with **CWM**, strong. 2308 **WAMO-105.9** Pittsburgh, PA strong with Jazz, mentions of Pittsburgh, no CLS heard; 2338 **WMLP-100.7** New Kensington, PA with New Music (Alternative Rock?-eb), and "Mix Jams 100.7" slogan. First decent trop of the season. I'm putting this report to rest now, so this opening may be continued in my next report. July 8, 1990 is one of those DX days that will be long remembered here.

**Eric Bueneman**, 5002 Cross Ridge Ct., Woodstock, GA 30188-4380: I also managed to get some E-Skip, but tropes have been confined to Montgomery and Birmingham as of late, so most of my DX time has been spent on AM lately. On to the DX: June 25 E-Skip: 2047 **KMTH-98.7** Maljamar, NM with **CLA** and splatter from local **WSB-FM 98.5**; 2135 **KEJP-FM 93.7** Mexico, DF with ads in SS; 2157 **KILO-93.9** Colorado Springs, CO with local ad, with splatter from local **WSTR-94.1**. July 29 E-Skip: 1810 **XHSRO-92.5** Monterrey, NL with ads in SS and Nortena music; 1815 **KZFM-95.5** Corpus Christi, TX with "Z-95.5" slogan and **CHR**, with semi-local **WGNC**; 1824 **XHJD-98.9** Monterrey, NL with ads in SS over **WBAM**; 1825 **KRYS-FM 99.1** Corpus Christi, TX with "99 FM" slogan and **CWM**; 1826 **XHMG-102.9** Monterrey, NL with ads and promos in SS; 1832 someone from Cancun, QR on 105.1 with ads mentioning Cancun in SS; 1846 **XHMM-100.1** Monterrey, NL with ads in SS. In the mailbox, from **Don Trelford** in Ontario comes word that St. Lawrence Broadcasting is one of several applicants for a new FM channel in the Quinte Valley (Belleville, to be exact) in Ontario. The goal is to "repatriate" younger listeners from U.S. FMs, such as **WPXY-FM**. **Mike Hardester** clipped an article from a paper that one of his Navy buddies received noting that problems with translator approval by both the FCC and the CRCB has delayed the start-up of **KZAZ-91.7** Bellingham, WA. The translators proposed are for the San Juan Islands in Washington. A lot of DX (mostly relogs) and station notes had to be cut out to make **FMDX** fit in **DX NEWS**.

The last deadline for **FMDX** in 1990 is September 7. 73 and good DX from **KDX/STL/4 Eric**

## Station WCNX prepares for talk format

By SUZANNE SATALINE  
Courant Staff Writer

The Hartford Courant  
-via Pete Kemp

MIDDLETOWN — Weekdays on WCNX-AM, Edward Creem's lively voice prepares his listeners for the day, telling them of the mayhem and misadventures of Middlesex County.

Between the more serious stuff, there is some music; and Creem throws in a few pop questions, the answers to which are almost always obscure. (A few faithful listeners at the police station insist he makes up the answers.)

Beginning Sunday, it will be time to talk.

A whole slew of new voices will be on the air next week as WCNX-AM begins its affiliation with Sun Radio Network of Clearwater, Fla., a 4-year-old enterprise. The switch from the Satellite News Network from Chicago will mean that CNX will become a news and talk radio station, increasing its national, business, sports and local news. Creem said. It will be one of the only AM stations in the state that provides all talk radio, he said.

The decision was part of a plan that Creem laid out five years ago, just after he became general manager of the 42-year-old station on River Road.

"The feedback we get is that the listeners really appreciate the amount of news ... we

give and the quickness we give the breaking news," Creem said. "We put Satellite in because of the quality of the programs between news-casts."

Listeners won't notice a thing, Creem said. Broadcasters are able, with the turn of a control dial, to switch from local to the national broadcasts, and back again. Creem said the station will invest in some high-technology digital clocks that will be hooked to computers, allowing the computers to switch the broadcasts at certain hours.

Creem said it will be cheaper for the station, at 1150 on the dial, to be an all-talk station. To subscribe to Sun, the station has to give up four minutes of each hour in advertisement time to the company. He would not disclose the amount that it was worth or say what WCNX was paying to the Satellite network.

"Cost wasn't even a factor in considering this. This was based on program considerations," Creem said.

Local news will only benefit, he said. Now, WCNX devotes about 40 minutes of each broadcast hour to news, sports and weather. Starting

Monday, news programming will last the entire period from 6 a.m. to 10 a.m.

With more international, national and financial news from Sun Radio and United Press International, the staff will have more time to gather local news, said Creem, who also doubles as an on-air announcer and reporter for the station. WCNX will add a 30-minute local news wrap up at 4:30 p.m. An hourlong show of business news will be broadcast from 5 to 6 p.m.

Sunday, old Italian melodies, and Irish and Polish tunes will be played. But Elton John and Milli Vanilli are gone.

"No, we can't compete with the music audience. You can go up and down the FM dial," Creem said.

Thursday, Creem peeked out a news story on his new computer, clippings and newspapers and news releases surrounding him. Meanwhile, reporter Gene Nichols interviewed Nancy Ricci, president of Remove Intoxicated Drivers, about her trip with other RID chapters to Washington, D.C. With a switch, Ricci's voice floated into the studio, scratchy and far away like it will sound over the airwaves.

Creem vows the famous morning questions won't be gone.

"We'll probably have some political quizzes," he said.

# The Answer Man

## R. J. Edmunds

753 Valley Road  
Blue Bell, PA 19422-2052

"No Question Is A Dumb Question"

Answers to members' questions, from the basic to the technical

Hello, again! As we move through summer, things are slowing down DX-wise and question-wise. Before we get to the current questions, though, I'd like to follow up on some items from two columns ago (Issue 23). The back issues problem has been addressed, as has the tube availability issue. With respect to alternatives to the 4' altazimuth air core loop, Radio West markets their "Great Little Loop" as well as a "Shotgun Loop" for MW. I've seen some members report using the former, but nothing on the latter. Based upon the pictures in the catalog, neither appear to be air core loops. I also believe that Palomar still has a loop suitable for MW use, although I have no details. McKay-Dymek used to market an antenna which was quite similar in construction to the Space Magnet, although reportedly not as effective, in part due to its orientation towards fidelity and directionality rather than narrow-band properties, as it was primarily marketed for broadcast industry use. Should anyone else come forward with other information, I'll publish it here.

We've had several discussions of tube availability during this season, and I've received some additional information on that subject, as well. Radio Shack can supply many tubes on special order. This means that they are not stocked in the retail stores, but that with a one to two week wait, these can be ordered by mail through their catalog. [ Refer to page 124 of their 1990 catalog, # 446. ] There are several other mail order sources for such tubes as may not be available from Radio Shack:

Daily Electronics, P. O. Box 5029, Compton, CA 90224  
(213) 774-1255.

Darcell Electronics, 4910 Santa Anita Ave., El Monte, CA 91732  
(818) 443-5801.

LDC Electronics, 614 Griffith Rd., Warrington, PA 18976  
(215) 343-0226.

DNF, 6690 Seven Mile Rd., South Lyon, MI 48178.

Ted Youngman, 2225 Vigo St., Lake Station, IN 46405.

DH Distributors, P. O. Box 48623, Wichita, KS 67201.

I'll have to check out LDC, as that's less than ten miles from here -- perhaps we can work something out.... This info comes from a publication called Nuts and Volts Magazine, which is a monthly publication for buyers and sellers of electronic equipment. Free copies are usually available at hamfest and computer show flea markets. Their events calendar often lists many of these hamfests and flea markets, as well. A subscription costs \$12 per year, and their address is P. O. Box 1111, Placentia, CA 92670. Hamfest schedules are also found in many of the amateur magazines, such as QST, CQ, 73, or Ham Radio.

In another prior edition, we discussed Grove Mini-Tuners. One of our readers has tried both the unamplified model TUN-3 and the amplified model TUN-4. He states that on the amplified version, when the amplifier is switched out of circuit, the performance is significantly inferior to that of the unamplified version, which really shouldn't be. The former was also subject to cross-modulation from adjacent channels. While it's possible that this was a defective unit, the cross-modulation problem can be expected in many strong-signal areas on broadband units such as this.

On another note, I'd like to thank the several members who responded to my Musing in #24 about station locations. I was most pleasantly surprised by the number of prompt responses.

Finally, I'd like to thank those members who have provided some very helpful information for this column the past few months. In alphabetical order, they are Perry Crabill, Chris Johnson, Dallas Lankford, Malcolm Maxwell, and Jerry Starr. Thanks, fellows!

Now, on to the current questions:

**QUESTION:** I use a Palomar antenna amplifier and LW and MW antennas with my Sony ICF 2010. When the jack is inserted all the way into the ICF antenna socket, signal strength drops dramatically from where it was with no external antenna connected, as if it were being shorted out, even with the amp tuned for maximum output. Only by using the VU lights and inserting the jack about halfway can I get increased signal strength. The amplifying gear was returned to Palomar and checked out and the wiring and connections are clean. Any suggestions?

**ANSWER:** Three possibilities come to mind immediately - first, the jack and the socket are cross-wired in that the jack's "hot" part is not matching up with the socket's "hot" part; second, one or the other is a two-conductor/one ground and the other is one/one; third, the jack and socket are not a direct match physically, even though the jack may seem to fit in. The fact that partial insertion yields increased signal indicates that the amplifier works and the receiver accepts it, that it's a coupling problem. The best way to test this, if it's possible, is to remove the case on the receiver, and look at the socket itself. A quick visual check will confirm or deny # 2, above. Watching as the jack is inserted should tell you which part of the jack is making electrical contact with which part of the socket, which could answer # 3. If both of those look proper, then # 1 is the likely culprit. You might also look at it for some unintended physical contact which may be creating a short either in the jack, on the socket, or on the immediate socket wiring.

If none of this helps, Sony's customer service department used to be quite good, and it might be a good idea to give them a call. If anyone else in the crowd offers any useful suggestions, I'll pass them on as received.

**QUESTION:** I recently moved to South Florida, and like listening to news stations from the Northeast, where I used to live. I can't put any antenna outside. I have a Superradio II, a Sony 2010 and a Grundig 400. Do you have any suggestions?

**ANSWER:** An indoor loop antenna may help, [ see above discussion, as well as the prior two columns for suggestions as to which loops ] however, you may not be able to obtain solid signals from those stations you're seeking for much of the time. The MW band has gotten too crowded, and with too many powerful stations, plus, your current location buys you a significant amount of foreign interference as well. A good indoor loop should get passable signals from such stations from an hour or so after sunset until nearly sunrise, except for periods when static from your frequent thunderstorms or signal degradation from geomagnetic events prevents it.

**QUESTION:** I live in an area where there are strong stations in the same direction as many of the DX stations I'm interested in hearing, so I can't use my loop to null them. What can I do?

**ANSWER:** There is really only one way to accomplish what you want, and it is neither simple nor inexpensive. The answer is a cardioid antenna. There are a few articles on the subject in reprints. Basically, a cardioid array is what is generated by many directional transmitting antenna systems, but for DX, it combines either a group of verticals, or a pair of Beverage [ wave ] antennas, or a loop and an indoor vertical antenna. In each case, the different antennas are electronically phased with adjustable controls to null the in-between station on a frequency. There's a fair degree of technical ability required to construct the array, and it's tricky to use. A handful of past and/or present members have had experiences with one or more of these sorts of arrays, and in most cases, the material in reprints documents their experiences.

**OTHERNESS:** Want to try something different in DX this summer? Pack up your biggest and best battery-operated portable along with a loop and such other accessories, nourishments and materials as you see fit and head out into the country to DX. If you can, head to a quiet part of an ocean beach, or, if not, a lake. You might hear some interesting and different stuff.

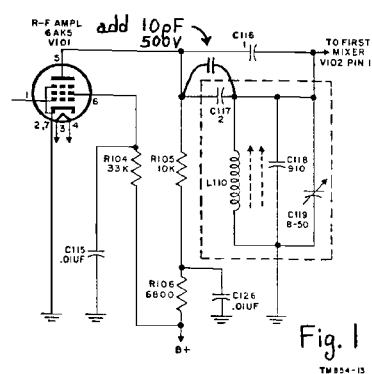
That's it for this time -- 73's *RJE*

**Need more information about MW DX?**  
**Mail \$1.00 to the NRC Pub Center;**  
**ask for the Reprints Catalog**

## 517-/R-388 Band 1 Mod and AGC Mod...By Dallas Lankford

In my article, "Collins 51J-4 Review," *DX News* 56, 1 (Mon., Oct. 3, 1988), pages 6-8, I mentioned that the Collins 51J- series and R-388 receivers were insensitive on band 1, and suggested a band 1 mod and AGC bias mod to improve band 1 sensitivity. However, in a subsequent article, "Collins 51J-4 Technical Notes," *DX News* 56, 13 (Mon., Dec. 26, 1988), pages 29-32, I recommended against those mods after I discovered they degraded dynamic range on all bands.

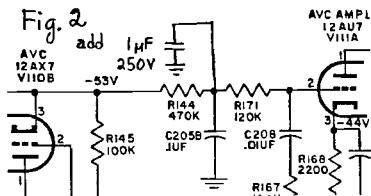
Recently, I took another look at the band 1 sensitivity issue. Previously I had remarked that a carefully aligned 51J-/R-388 series receiver is not seriously insensitive on band 1, but merely somewhat less sensitive than on the other bands. Specifically, typical sensitivity is 0.25 microvolts on bands 2-30 and 1.0 microvolt on band 1 (for a 10 dB S+N/N ratio and 6 KHz bandwidth). I knew that improving band 1 sensitivity slightly on band 1 would not make it possible to hear more and better DX. Nevertheless, uniform sensitivity is desirable because it simplifies optimization of antennas, which is an important factor in determining what DX you hear. Also, I was curious if band 1 sensitivity could be made about the same as for the other bands without degrading band 1 dynamic range. The solution turned out to be simple. Add a 10 pF 500 volt mica capacitor across C117; see the simplified schematic in Fig. 1.



The simplified schematic in Fig. 1 is taken from an R-388 manual, but applies to all 51J- series receivers. The dashed line enclosing C117, L110, C118, and C119 is not accurate because those components are not contained in a shielded enclosure. In particular, C117 is attached to solder lugs on adjacent bandswitch wafers. It is not easy to access C117 because of its position beside an L bracket and because of two insulated wires which pass through one bandswitch wafer and are soldered to lugs on the other bandswitch wafer above one end of C117. These two wires must be unsoldered, disconnected, and pushed out of the way to access one end of C117.

The dynamic range before and after this mod was the same - 73 dB (5 KHz spacing), which is 4 dB better than an NRD-525. Sensitivity was improved to 0.35 microvolts, which is almost the same as for band 2.

After using a 51J-4 for almost 2 years I must say that it has extremely poor AGC for such an otherwise fine receiver. The AGC suffers from the worst kinds of defects one could imagine - low frequency audio on the AGC line, which causes noticeable audio distortion on very low frequency audio (below 100 Hz), and attack and release times which are not suitable for MW graveyard and SW DXing. Fortunately, there is a simple cure for both of these problems (if you don't care about SSB or CW). Add a 1 mF 250 volt capacitor across C205B; see the schematic fragment in Fig. 2. In the original circuit, the release time is determined by R144 and C205B according to the formula  $T = RC$ , where R is in ohms and C is Farads (the result T is in seconds). Thus, the original release time is about 50 milliseconds. Adding a 1 mF capacitor across C205B increases the release time to about 550 milliseconds, which is satisfactory for MW and SW AM broadcasts. This mod does slow the attack time from about 5 milliseconds to about 50 milliseconds, which makes the receiver less suitable for SSB and CW. If you want both improved AM and SSB/CW AGC performance, you will need to do my fast attack and slow release AGC mod. Send me an SASE for details of this more elaborate mod.



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### NRC Coffee Mug

Nine-ounce size ... white glass ... with NRC emblem printed in black on both sides. It's oven-proof and microwavable. Makes a great gift for a fellow DX'er or for yourself. \$6 to U. S. addresses \$6.75 Canadian. Order from the Pub Center.



## Sports Networks

Barry S. Finkel

10314 S. Oakley  
Chicago, IL 60643

Network listings for stations programming team sports

Baltimore Orioles Jon Miller, Jon Angel, Chuck Thompson (1990 Official Game Program via Walt Nissen, Jr.)

540 WDMV-MD	WSOC-NC	1230 WKBO-PA	1340 WEPH-NV	1450 WTBO-MD	1600 WPCD-PA
800 WCHA-PA	960 WLWV-MD	1240 WKOY-WV	WHAP-VA	1470 WTRR-MD	
900 WSEA-DE	970 WAMD-MD	1260 WNRK-DE	1390 WEED-NC	1490 WARK-MD	93.5 WCST-WV
910 WBSA-PA	1000 WIOO-PA	1270 WLBR-PA	1400 WKAV-VA	WLPA-PA	106.3 WLCC-VA
920 WPTX-MD	1090 WBAL-MD	1280 WTVR-PA	WINC-VA	1500 WTOF-DC	WCEM-MD
930 WFMD-MD	1200 WAGE-VA	1310 WGH-VA	1430 WNAV-MD	1590 WTTT-MD	

Oakland Athletics Ray Fossey, Lon Simmons, Bill King (via Duncan Shaw)

560 KSFO-CA	970 KOOK-CA	1280 KJAX-CA	1400 KKCB-CA	1450 KONE-NV
570 KONO-CA	980 KINS-CA	1290 KHSL-CA	KQMS-CA	KVML-CA
580 KCMX-OR	1230 KPMX-AZ	1300 KPMO-CA	KUKI-CA	1480 KYOS-CA
870 KROL-NV	1240 KNRY-CA	1320 KCTC-CA	1410 KRFO-CA	1490 KBLF-CA
950 KAHI-CA	1270 KWTR-CA	1340 KKAM-CA	1430 KNTA-CA SS	KRKC-CA

San Francisco Giants Hank Greenwald, Ron Fairly (via Duncan Shaw)

620 KWSO-CA	1010 KIQI-CA SS	1240 KSUE-CA	1300 KYNO-CA	1360 KASH-CA
680 KNBR-CA	1030 KJDJ-CA	1270 KJUG-CA	1330 KRGO-CA	1380 KSMJ-CA
990 KHVH-CA	1230 KDAC-CA	KPLY-NV	1340 KATA-CA	1540 KLAU-CA

Baseball miscellanea from three sources follow. I need any NFL lists that you may have. If I don't have them, I can't print them.

AAA Buffalo Bisons (via Wayne Heinen) Home games are at Pilot Field.

550 WGR-NY	1140 WCWV-NY	1320 WHHO-NY	1340 WKSX-NY	1340 WLIB-NY	1360 WMNS-NY
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Boston Red Sox Hector Martinez, Bobby Serrano ("Boston Globe" via S. Morris) Spanish

730 WACE-MA	800 WCCM-MA	950 WROL-MA	1220 WRLB-RI	1230 WLVH-MA
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Pawtucket Red Sox are also on 1320 WARA-MA. (also via S. Morris)

From Tim Hall - quoted almost verbatim:

Just wanted to make a few corrections to your minor league baseball list in 7/30 "DXN": Phoenix Firebirds were on KTAR in 1989, but are now on 1230 KAMJ-AZ. Denver Zephyrs may be simulcast on 1280 KKXL-CO; they were last year. Colorado Sky Sox are on 740 KSSS-CO. Las Vegas Stars are on 840 KVEG-NV.

Typos & miscellaneous notes:

Omaha Royals	1180	KKAR-NE
Alb. Dukes	770	KROB-NM
Reno S. Sox	1340	KRCV-NV
OK City 89ers	1340	KXXY-OK
Salt Lake City	570	KTSN-UT
Calgary Cannons	Aren't all of the "CKO" stations out of business? (I don't know - bf)	
Spokane Indians	I doubt that this team is still called Indians, as they are now affiliated with the San Diego Padres. Cleveland's new team is the Colorado Springs Sky Sox.	

### Facts About NRC's DX Audio Service

The DX Audio Service, now in its third year of operation, provides the ONLY monthly broadcast news cassette service to the DX community.

The DX Audio Service, available to anyone anywhere, is designed to inform the radio listener in a way that is pleasing and informative. Many of the announcers on the service are professional broadcasters giving their free time to give the listener the finest service available.

DXAS was started to provide broadcast information, both AM and FM to the blind DX listener. It has evolved into a service which provides useful material to all types of listeners. Many of our subscribers listen to the tape to and from their place of work while driving down the road.

One-year subscription, subscriber keeps the cassette each month: \$25

One-year subscription, subscriber returns the cassette each month by the 18th of the month for reduplication: \$12 Sample copy, back issues of DXAS: \$3

Cassettes are mailed by First Class mail, on or about the 20th of the month. Information, subscriptions, renewals, sample copies: write to NRC DX Audio Service - P. O. Box 24 - Cambridge, WI 53523-0024. For back issues: NRC Publications Center.

# NRC AM RADIO LOG

1991 Edition



**NEW**  
**\$ Only**  
**16.95**

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U.S. and Canadian NRC Subscribers *only*  
\$19.95 U.S., Non-NRC Subscriber  
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Log will be mailed September 10!

## What's new with this year's edition?

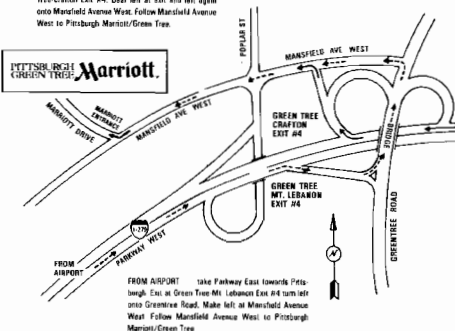
For starters, it's 30% thicker and over 300 pages!!

With two cross-reference sections - contains more station information than ever before - new station data entered right up to press time.

## Coming to the NRC Pittsburgh Convention?

Krazy Ken (NRC Publications fame) will sell you the log for only \$15.50 plus personally and it to you at the Convention (This offer good only if you purchase your logbook at the Convention.) Mail or Call your order in TODAY! Do not send cash in the mail!! Specify your mailing address and number of Logs ordered. Make out check or money order to: NRC. Mail to: NRC Publications - Box 164 - Mannsville, NY 13661 or use your credit card (VISA/MC) and call (608) 423-4159

FROM PITTSBURGH take Parkway West to Green Tree-Creation Exit #4. Bear left at exit and left again onto Mansfield Avenue West. Follow Mansfield Avenue West to Pittsburgh/Marriott/Greentree.



NATIONAL RADIO CLUB 1990 CONVENTION REGISTRATION FORM  
(please print)

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE/PROVINCE \_\_\_\_\_

ZIP/POSTAL CODE \_\_\_\_\_ PHONE \_\_\_\_\_

ARRIVAL DATE/TIME \_\_\_\_\_ DEPART DATE/TIME \_\_\_\_\_

MODE OF TRANSPORTATION \_\_\_\_\_

Convention-goers... if interested, please write "bus tour" after your name on the registration form below and send \$5 in a separate check or money order from the registration fee for a bus tour of Pittsburgh, tentative station tour, and KDKA XR tour (bus departs Marriott at 11 am Saturday and returns at 4 pm). You may obtain your ticket when you arrive at the hotel. Refunds only if tour is cancelled; no refunds if you cancel while at convention. Send your \$5 check made payable to "NRC".



# Pittsburgh!

NATIONAL RADIO CLUB 1990 CONVENTION  
Friday August 31 - Monday September 3



Rated in 1985 as America's "Most Livable City" (#3 in 1989), the "Steel City", for the first time ever in club history, is proud to host the National Radio Club's 1990 Convention! Besides being home to the "Pioneer Broadcast Station of the World-KDKA", here are some of the many places our city has to offer: the spectacular view of the city from Mt. Washington, riding the Monongahela & Duquesne Inclines, shopping/browsing in Station Square, the Buhl Science Center, Heinz Hall for the Performing Arts, the Carnegie Museum, Pittsburgh Zoo, our 3 major universities: Carnegie-Mellon, Duquesne, and Pittsburgh(Pitt), the Pittsburgh Playhouse, Point State Park, Pitt Stadium(Pitt vs. Ohio U. Saturday), 3 Rivers Stadium (Steelers vs. Eagles 8 PM Saturday/ Pirates vs. Phillies 1:35 PM Monday)...

Our convention will be held at the 4 star Greentree Marriott just outside the city off I-279(Parkway West). The Marriott features 2 night clubs (Cahoots, with oldies!, & the relaxing Chats), plus 2 swimming pools, tennis courts, weight room, and whirlpool! Greater Pitt services major airlines while the Marriott offers free transportation to and from the airport (courtesy phones in the baggage area). Also, arrangements will be made for anyone coming by bus or train. Those coming from the eastern U.S. by auto please note that rush hour traffic begins to get heavy by 2-3 PM to 7 PM on I-376(through the city) on weekdays(Friday). An alternate route is the Turnpike, I-70 west, to I-79 north, then I-279 north Pittsburgh exit -or- the Turnpike to U.S. 19 south Perry Hwy exit, to I-79 south, bypass/do not exit onto the I-279 south Pittsburgh exit, but again exit at I-279 north Pittsburgh.

All reservations(\$48.00 single room/\$55.00 doubles plus 9% tax) must be made directly with the Greentree Marriott no later than August 10th, 1990. You may use the motel's toll free number: 1-800-525-5902. Mention the "National Radio Club" for this special rate. After August 10th, reservations will be accepted only if rooms are available. Check in time is 3 PM Friday and checkout is 1 PM Monday. Please note that any roommate pairings are up to the individuals. Reservations will be held until 6 PM Friday, then to guarantee a reservation for arrival after 6, a one night deposit or major credit card will be required. Also, the Marriott will have 4 handicapped rooms available.

The registration fee is \$30.00 U.S. and must also be sent by August 10, 1990. To pre-register, send a check payable to the "National Radio Club" to John R. Malicky, 995 Shadycrest Road, Pittsburgh, PA 15216-3023 and please mark "NRC '90 Convention". Also, for Visa/Mastercard users, you may use the NRC Credit Card Service either by phone at 608-423-4159 7-11 PM Eastern Local Time(no collect calls) or by mail to NRC, P.O. Box 24, Cambridge, WI 53523-0024. Please remember to state card type(Visa/Mastercard), card number, expiration date, name as it appears on the card, and evening phone #(in case of a question or two). Do not call the NRC Credit Card Service for hotel reservations, only registrations.

The registration will include the Saturday night Banquet, Sunday morning Brunch, snacks, pop, beer, morning donuts and coffee, and a special "Pittsburgh" spread of sandwiches on Friday! Tentatively, the convention will also include a slide show, a speaker, trivia quiz, displays, tech talks, free "goodies", a bumper sticker contest, the business meeting, and the ever famous NRC Auction! At present, we are hoping to line up a station and bus tour of the city with a small fee charged. More details when they become available. Any auction items and general items(radios, etc.), UPS or US mail, may be sent to 995 Shadycrest Road, Pittsburgh, PA 15216-3023, please mark on box if for auction, "NRC Auction Items".  
SEE YOU IN PITTSBURGH!!!



# Pitt

\*\*"Most Livable City"-Rand McNally