



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

Volume 56, No. 11 - Monday, December 12, 1988 (ISSN 0737-1659)

DX Tests ...

December 12, Monday - 2-2:30 am EST: WTBF-970, at 5 kW. V/s: Joey Meredith, Program Director - P. O. Box 747 - Troy, AL 36081 (Jeff Tynan and Wayne Heinen, NRC)

December 19, Monday - 2:30-3:00 am EST: WASG-550, including Morse code ID's, at 5 kW. V/s: R. Dale Gehman, General Manager/Chief Engineer - 1210 S. Main - Atmore, AL 36502 (Wayne Heinen and Jeff Tynan, NRC)

Inside ...

- | | |
|----------------|---------------------------|
| 2 - AM Switch | 13 - ZIP Codes |
| 3 - DDXD-E | 14 - Contests |
| 8 - City Quiz, | 15 - Computerized DX'er |
| Met Net | 21 - Frequency Deviations |
| 9 - DDXD-W | 22 - Bum Rap, Jamming |
| 11 - IDXD | 23 - DX Special |
| | 24 - Last Issue? Renew! |

From the editor ...

Ted Schober phoned with a tip that WMVI, Mechanicville, NY will be changing very soon from 1170 to 1160, so that anyone wanting to log it on 1170 with its ND night antenna should hurry!

Prepublications orders of the 1989 *WRTH* are still being taken by Don Erickson at Century Print Shop - 6059 Essex St. - Riverside, CA 92504-1599, at U\$16 each (CA residents add 96¢ sales tax) and shipped Book Rate to U. S. addresses only. Deadline for this price is January 15, 1989; \$2 per book extra thereafter. Mention that you're an NRC member for this special price.

He joined ... Robert Kjolseth, from my birthplace of Auburn, CA. Sign up your friends ... I'd like to see about five new names per issue!

DXChange ... For sale: Kenwood R-1000 receiver, modified for 2 AGC speeds and Collins 1.9 and 2.9 kHz filters, switchable in narrow, with amplification to compensate for insertion loss. Filters have 2.1 shape factor and ultimate rejection over 80 db. \$500 (including UPS to 48 states). Nippon FS1196 digital portable, same as Sangean ATS 801. AM/FM/SW, all batteries included, \$60. Used only a few hours, in box. George B. Sherman - 104 Pinewood Circle - Apple Valley, MN 55124 (612) 432-7975.

The Answer Man ... Remember the program of this name years ago on radio? NRC now is reviving this popular feature through the expertise of R. J.

Edmunds. See page 23 for details.

Seasons Greetings ... to those of all faiths and beliefs. Even if 1988 hasn't been the best for you, here's wishing the best of cheer and good will for you and yours throughout this holiday season. And let's start making plans right now to make 1989 an even better DX year!

DX Time Machine

From the pages of DX News

Ten years ago ... from the December 28, 1978 issue of *DX News*: Stephen Francis, Alcoa, TN heard his 200th graveyard in WJPA-1450 PA ... Peter E. Hunn, aka "Peter Knight", recounted his early days of radio through 1975 ... Rick Kenneally heard HCEW2-995 Ecuador on 11-27, 0045.

Twenty-five years ago ... from the December 14, 1963 issue of *DX News*: The NRC Governing Body (Ernest R. Cooper, Peter V. Taylor, and Ray B. Edge) all voted "no" on the proposed Constitution/Bylaws from the 1963 Denver Constitution (The 32 signees then formed the National Radio Club, Inc., which quickly changed its name to International Radio Club of America when threatened with a lawsuit from the NRC.) ... New member Rich Heald, San Leandro, CA reported hearing WACT-1420 11-24 at 7:16 am and VOA-1180 at 12-7, 7:27 pm.

Forty years ago ... from the December 18, 1948 issue of *DX News*, courtesy of the "Old Timer": 37 tests were listed. Len Kruse, Dubuque, IA, reported hearing a test from WGCD-1490 in Chester, SC. Carroll Seth, Erie, PA mentioned the time he mistook 2NR for WLW. He also mentioned that CR9A6 in Macao was country #100 verified. Club officials were Joseph Becker, Sr., pres.; Harold Wagner, Secy-Treas; and Board members Thomas Carberry, Jr. (also VP), Ray Edge (Board Chairman), Eldon Addy, Pat Reilly, Len Kruse, and Ralph Johanns.

THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB

AM SWITCH

Jerry Starr

c/o WHOT Radio, 4040 Simon Road, Youngstown, OH 44512

CALL LETTER CHANGES

Old call:		New call:	
800 KNKK UT	Brigham City	KZAN	
1100 WGGM GA	Woodbine	WCGA	
1410 WIQR AL	Prattville	WSKN	
1450 KDLX UT	St. George	KSLI	
1500 KCHB AR	Jacksonville	KOKY	

APPLICATIONS FOR NEW STATIONS

None

GRANTS FOR NEW STATIONS

1340 NH Madbury: 250/250 U1

APPLICATIONS FROM EXISTING FACILITIES

870 KAAK MO Bethany: reduce power to 930 watts
 1380 WYMB TN Clinton: night power to 290 watts
 1550 KOZR CA Apple Valley: antenna to D3

GRANTS TO EXISTING FACILITIES

750 WWAX PA Olyphant: power to 1600 watts
 830 KSRT CA Orange: relocate XR (CP not yet on the air)
 900 KTIS MN Minneapolis: powers to 50000/300, antenna U4
 1040 WQBB TN Powell: day power to 10000 watts, CH to 3000
 1440 WNPV PA Lansdale: day power to 2500 watts
 1450 KDMN CO Buena Vista: powers to 1000/1000

OTHERNESS

650 *App NV Las Vegas: application for new station DISMISSED
 900 WDTV PA Philadelphia: silent station expected back on in 12/88
 990 KRKS CO Denver: fulltime CP is ON THE AIR
 1240 KDGO CO Durango: silent station is back ON THE AIR
 1410 WYMB SC Manning: application to move to 920 kHz listed in last issue is mutually exclusive with the license renewal of WAZQ Orangeburg, SC. WYMB wants to move here if the FCC license renewal proceedings fail to grant WYMB their requested renewal
 1570 WBUZ NY Fredonia: listed a few issues ago as being back on the air, this station had been notified by the FCC that their license was being cancelled for a number of rule violations. We have seen nothing further on this station but they have evidently returned either under new owners or have secured further hearing on the cancellation, in which case they can continue to operate until a final appeal and decision is made. We will check further. The station is not listed in the new Log so for the time being you might want to write it back in, they are 250 DI

THANKS to NRCer WAYNE HEINEN for his contributions in this issue!

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

William Hale

2160 Farm To Market Road, Johnson City, NY 13790

NEEDN HAVE RAMBLINGS

Last issue I mentioned that Steve Whitt & Mark Hattam did some Graveyard DXing from Scotland. Their new records appear below.

Glad to see Ken Onyshuck back in the fold and reporting DX! Welcome back, Ken. And wonder of wonders! Frank Merrill tries for, receives, and reports DX after about 10 years of silence. Cue up the next record. Welcome to DX-holdout George Sherman, who from his advantageous DX location in Apple Valley, Minn DXes Coast-to-Coast.

Since this is the last issue prior to the Holidays, may I take this opportunity to wish each and every one of you and yours a very Merry Christmas, Happy Channukah, or whatever you celebrate. Thanks to all who sent cards.

SPECIAL

910 KBLN TX SHERMAN - 11/14 2100 ID; KBLN Sherman-Dallas-Ft Worth; XR in Sherman area, but studios moved to 1203 N. Main, Ft Worth; now Rancho Mx with slogan Stereo Mexicana; verified by phone call (AB-TX)
 1040 KPBC TX FT WORTH - 11/19 0840 with KPBC Bulletin Board with address given as: Box 561807, Dallas, TX 75356; new box # & ZIP? (JB-TX)
 1150 KCPS IA BURLINGTON - TIP TO DXers: at 0556, just < Eastern daytimers sign-on, they run SSB & have a "fake" sign-on > running talk AN; this "sign-on" not hrd on Sunday; has SP MM's but times unknown; suspect they're using full 500 watts, as are strong here @ 40 miles (FM-IL)

UNIDs AND UNIDs Id

790 UNID ?? - 11/19 1650-1700+ hrd Nebraska-Oklahoma FB game (3rd quarter); looped N-S; QRM next to 'BBH (KO-IL)
 930 UNID ?? - 11/14 0141-0202 fair under WKY with WWV-like TCs (1 "click" per second, a beep @ the top of the minute); also hrd on 980 when I tuned there @ 0203; the latest thing in freq checks, perhaps? HELP! (RD-IA)
 1230 UNID ?? - 11/14 2125-30 fair with Oklahoma BKB; any help on this from Soonerland DXers? (RD-IA)
 1380 WELE FL ORMOND BEACH - unID hrd by Mauricio Molano (Issue 7) IDd as this; used variable speed tape recorder to break out ID, etc (GMA-GA)
 UNID ?? - unID hrd by Mauricio Molano may be WGYV-AL, WQHK-IN, or WGUS-SC; data from the American Country Countdown station list March '88 (TH-CA)
 1410 UNID ?? - 11/20 1808 good with Missouri BKB; this might be an out-of-state affiliate since KBCC is REL & a daytimer (RD-IA)
 1810 UNID TX? - 11/17 0115 with continuous wx loop, TX wx only; much listening did tell me they were repeating WXX-17?; sure would love to know which TX I had, as this is a long way for 10 watts!!; hvy QRM from Chicago-area TIS; no Anguilla (FM-IL3)

MIDNIGHT TO MIDDAY

540 CBK SK WATROUS - 11/12 0858 fair with National Anthem & sign-on (RK-IL)
 800 KROD TX EL PASO - 11/13 0200 with female; Rock 'n' Roll Mx from the 50's thru the 70's, KROD AM-600 Rock 'n' Roll (JB-TX)
 810 WDAF MO KANSAS CITY - 11/13 0180 with From Signal Hill in the heart of Kansas City, one great country favorite follows another on the Best Country, WDAF, sixty-one country (JB-TX)
 840 WJTZ TN BLOUNTVILLE - 11/12 0742 good, briefly with ad & promo (RK-IL)
 880 CFFR AB CALGARY - 11/4 0835-38 alone with wx+The Lady in Red by Chris DeBurgh; results of Thursday nite's Calgary-St Louis HKY game+TC; It's 4:39 @ 66 CFFR (RD-IA)
 890 WAPE FL JACKSONVILLE - 11/11 0848-55 good+very good with song Wild World+promo for cash giveaway+wx; Right now, it's 55' @ Power 95 WAPE; my 1st ever Florida catch...FINALLY! (RD-IA)
 710 WHB MO KANSAS CITY - 11/12 0706 with nx, KC forecast (hi in upper 50's, to 36, 39' now in Kansas City, now with W-H-B Nx...) (JB-TX)

790 KWRE MO WARRENTON - 11/9 0701 good with election results from Warren & St Charles Counties (RD-IA)

WJMT WI MERRILL - 11/10 0815 with Wis Farm Net pgm listing affiliates including WJMT; do they sign on @ 0800?; fair (FM-IL1)

CHYR7 ON LEAMINGTON - 11/4 0337-58 weak with mx by Air Supply, WB40, & Jefferson Starship; brief promo; Canada's team, the Leafs, are on the air tomorrow on CHYR; this is probably my unID of 9/4 (RD-IA)

870 WKAR MI EAST LANSING - 11/8 (no time) very good in WWL null with brief sign-on (no SSB) right+NPR Nx; this one had been on my Wanted Dead or Alive list for some time (RD-IA)

WKAR MI EAST LANSING - 11/12 0730 fair with sign-on (RK-IL)

910 KLCN AR BLYTHEVILLE - 11/18 2030 with Elvis song, & Now Here's a reminder from KLCN... and a Boy Scout promo+AC; KBLN off; signal too strong for 85 watt PSSA; operator error? (JB-TX)

WLLJ MI CASSOPOLIS - 11/20 0955 noted with black preacher service; poor (KO-IL)

920 WBAA IN WEST LAFAYETTE - 11/12 0801 good with sign-on (RK-IL)

930 WCNRT PA BLOOMSBURG - 11/5 0825 fair under WBEN with ad for store in Danville (LMc-NY)

KRIA TX TERRELL HILLS - 11/18 0212 Radio Alegria & CLs in SS atop most of AM with Rancho mx; good (FM-IL1)

940 CBH PQ MONTREAL - 11/12 0558 good with sign-on (RK-IL)

980 CFFX ON KINGSTON - 11/5 0830 good with song by DeBarge, Kingston's Most Listened To Radio Stn sign (LMc-NY)

990 CBW MB WINNIPEG - 11/11 0858x good with sign-on (RK-IL)

1030 WNVN IL VERNON HILLS - 11/11 0700 XLNT with sign-on (RK-IL)

KCTA TX CORPUS CHRISTI - 11/11 0700 fair with sign-on (RK-IL)

1110 WHBI IL CHICAGO - 11/12 0749 XLNT with sign-on (RK-IL)

1140 WKWH MI KENTWOOD - 11/12 0845 good with sign-on (RK-IL)

1180 WMLX KY FLORENCE - 11/12 0700 poor with sign-on (RK-IL)

1190 KWMB MN WABASHA - 11/12 0700 fair with sign-on (RK-IL)

1210 WDAO OH DAYTON - 11/15 0845 poor with sign-on (RK-IL)

KOKK SD HURON - 11/15 0730 very good with rooster crowing+sign-on annct by Penny Lane+SSB; SD #12 (RD-IA)

WSBI TN STATIC - 11/12 0700 poor+fair with sign-on (RK-IL)

1240 KVD ON ARDMORE - 11/9 0155 OLD over all, ID:AM \$ 1240, KVSQ; 24 hrs now? (GS-MN)

1260 KCFI IA CEDAR FALLS - 11/9 0128 fair with ID, wx & Black Hawk County election results; 1st-timer here (RD-IA)

1270 KFBD MO WAYNESVILLE - 11/18 0850 with ad for The Bridal Suite in downtown Rolla, & simul non-ID for B-98 FM; ROK; fair (FM-IL3)

1300 KWCK AR SEARCY - 11/18 0912 with ad for Food-4-Less in Searcy; simul non-IDs as Quick Country 99; good (FM-IL3)

1310 WTUX IN INDIANAPOLIS - 11/18 0313 > 2 in a row by Jo Stafford, kicking off the hour 3 O'Clock hour here on WTUX; MoR mx, perhaps MoYL; good (FM-IL1)

KZIP TX AMARILLO - 11/17 0059 with sign-off in EE, after having been prgmng in SS; various QRM, incl another SS, left behind; good (FM-IL3)

1330 KGAK NM GALLUP - 11/18 0600 with lgl ID, truly a real shocker while actually looking for SRS daytimers on a near-vacant frequency; poor (FM-IL2)

1380 WIZO TN FRANKLIN - 11/7 0701 good with sign-on & wx+morning farm nx (RD-IA)

1390 KZQX MN WAITE PARK - 11/17 0825-40 good+very good with nx+mx by Eddie Money & Prince; promo for 14 Super Q Night @ St Cloud watering hole (RD-IA)

1420 WPLY WI PLYMOUTH - 11/11 0859 poor with sign-on (RK-IL) (This is correct city, Bob-WRH)

1470 KWRD TX HENDERSON - 11/10 0804 lengthy spiel about Rusk Cnty library system & its central branch in Henderson; WMBD null'd; good (FM-IL1)

1560 WTOD OH TOLEDO - 11/12 0845 good with sign-on (RK-IL)

1570 WBEE IL HARVEY - 11/9 0700 good with sign-on (RK-IL)

WFUR MI GRAND RAPIDS - 11/20 0800 fair with sign-on (RK-IL)

WMYM WI MINOCQUA - 11/20 0700 fair+good with sign-on (RK-IL)

1580 WKND IL AURORA - 11/18 0730 with OLD ROK, as Your Golden 1580, WKND; noted somewhat later with blab about Naperville (FM-IL4)

TODAY TO MIDNIGHT

550 WDEV VT WATERBURY - 11/19 1815 good with Whitney Houston song, lcl ads, Radio Vermont slogan (LMc-NY)

630 KSLR TX SAN ANTONIO - 11/8 1815 with REL; good thru KDWB (GS-MN)

660 KTNN AZ WINDOW ROCK - 11/8 1913-15 very good under KCRQ with nx from NM & AZ; gone as expected with pattern change @ 1915 (RD-IA)

670 WYLS AL YORK - 11/5 1750 E2L mx over WMAQ (GS-MN)

680 WCAW WV CHARLESTON - 11/19 1836 poor with sps promo (LMc-NY)

690 WTIX LA NEW ORLEANS - 11/5 1555-1813 good with Texas A&M vs LA Tech FB; ads for Saints Fan Magazine & State Fan Ina; a real surprise this early in the afternoon (RD-IA)

720 WHXY GA HOGANSVILLE - 11/8 1740 with OLD; Classic Hits, AM 720; La Grange ad; over WGN (GS-MN)

730 WFMC NC GOLDSBORO - 11/5 1937 giving stn address; new (GC-NY)

780 KMTL AR SHERWOOD - 11/11 1800 weak with sign-off annct during SSB; WJR nowhere to be found (RD-IA)

KMTL AR SHERWOOD - 11/12 1759 poor under WJR with sign-off (RK-IL)

770 KUOM MN MINNEAPOLIS - 11/18 1500 weak with ID; This is KUOM, radio for the Univ of Minn @ Minneapolis+NPR Nx; WCAL must have very limited hours (RD-IA)

790 KURH AR ROGERS - 11/7 1752-53 fair with ad for John Deere Implement in Southwest City, MO; POL ad for Benton Cnty Sheriff's race (RD-IA)

KXXX KS COLBY - 11/8 1849 weak with Kansas City Chiefs FB (RD-IA)

WLSV NY WELLSVILLE - 11/17 1630 fair with local nx; 1st-timer! (LMc-NY)

WPIC PA SHARON - 11/19 1705 poor with college FB scoreboard (LMc-NY)

KKBqt TX HOUSTON - 11/5 2010 many 93-Q IDs, which is 82.9 KKBQ Pasadena/Houston; format; Top 40 (GC-NY)

830 KFLT AZ TUCSON - 11/2 1927-30 pounding WCCO with REL mx & TC; It's 5:30 @ KFLT, and during the month of November we drop our power from 50 Kw to 1 Kw; gone as expected > that annct (RD-IA)

840 KWPN NE WEST POINT - 11/12 1800 fair+good with sign-off (RK-IL)

880 KOSE AR OSCEOLA - 11/14 1911-2000+ good with auction of various items; All proceeds go to the Osceola community; gave bid phone #563-2335 (FM-IL2)

870 WQRX AL VALLEY HEAD - 11/12 1744 fair with sign-off (RK-IL)

910 KLCN AR BLYTHEVILLE - 11/18 2030 with Elvis song; Now Here's a reminder from KLCN+promo for Boy Scouts+AC; KBLN off, signal too strong for authorized 85 watt nites; operator error? (JB-TX)

WLLJ MI CASSOPOLIS - 11/19 1330-1405 poor+fair in WLS null with BLK OLD; read somewhere in DX News that WLLJ served the South Bend market, so I tried; 910 previously was empty; this replaces the previous Mishiwaka CP that never showed up (KO-IL)

920 WHMN WV FAIRMONT - 11/19 1830 with CBS Spa, 92-WHMN ID+ROK mx(TF-CT)

940 WYLD LA NEW ORLEANS - 11/12 1928-40 burying KIOA with Tenn St vs Southern Univ FB; ID; This is the Southern University FB network (RD-IA)

950 KRRP LA COUSHATTA - 11/13 1838 with ad for Hunter's Grocery in Coushatta; slogan: K Double-R P; good (FM-IL1)

WSPA SC SPARTANBURG - 11/18 1700-29 with CBS Nx, lots of lcl info; great signal, no sign of usual WPEN (TF-CT)

WQBE WV CHARLESTON - 11/18 1700-18 mixed under WSPA with Computer Digest, nx, sps, wx & C&W mx @ 1713; lost @ 1718 (TF-CT)

990 WYAT LA NEW ORLEANS - 11/18 1751 with OLD, ID; fair over QRM (GS-MN)

WIVK TN KNOXVILLE - 11/14 1754-1802 good with traffic check+DJ; Here's mx by Exile; ID+8:00 nx (RD-IA)

WANT VA RICHMOND - 11/5 1824 with lgl ID, POL ad for Chuck Robb, Gov of VA; new; 10 watts? (GC-NY)

1040 WSGH NC LEWISVILLE - 11/19 1705 with GOS mx, detailed sign-off @ 1715 (TF-CT)

1070 WSCP NY SANDY CREEK-PULASKI - 11/19 1840 with C&W mx, ID for AM 1070; good signal (TF-CT)

KKZR TX HOUSTON - 11/11 1822 good, breaking from very hard AOR+ID; KKZR, Houston's most dangerous stn; never expected to hear this, but on the 2nd day ever of BCB DX from McComb, I hrd some rather surprising SSS DX (FM-IL1)

CBA NB MONCTON - 11/8 1555 good with lots of DJ chatter, ticket giveaway to On Broadway by Moncton Rotary Club (LMc-NY)

1080 KRLD TX DALLAS - 11/5 1819 out of CBS Spa; ID+Anti-Dukakis ad read by Astros BB player; way over WTIC (GC-NY)

1110 KRCX CA ROSEVILLE - 11/2 2043 SS ID Sacramento...R. Capital; good over QRM on 800' E-W Wire; 500 watts nites? (GS-MN) [at 2043 ELT (1743 PLT) they may still have been on 5000 watt daytime rig, but still an outstanding catch-WRH]

KYKK NH HUMBLE CITY - 11/12 1845 ending Stonewall Jackson & Waterloo, therefore a C&W format, then detailed sign-off; very weak, but completely alone (FM-IL1)

1130 WEEO PA WAYNESBORO - 11/7 1738 CLs, wx, Classic Tracks 1130 slogan, minus AOR OLD (GC-NY)

1150 WZBQ AL TUSCALOOSA - 11/18 1924 with ROK over/under QRM; Come to the party at 2-102 FM on Flatwood Rd (GS-MN)

WDEL DE WILMINGTON - 11/7 1730 ID+spas (GC-NY)

1170 KSTT IA DAVENPORT - 11/20 2050-51 fair in KVOO null with mx by Donovan; ID; You're listening to the greatest memories of the 50's, 60's, 70's & 80's...AM 1170, KSTT+Wooley Bully by San The Sham (RD-IA)

1180 WJVN IN NEWBURGH - 11/8 1835 with OLD & The New Cool-1180; weak, steady signal, all alone (GS-MN)

1180 CJMR ON MISSISSAGUA - 11/12 1858 poor+good with ethnic prgmmg (RK-IL)

1200 WBZY PA NEW CASTLE - 11/12 1815 with OLD over/under null'd WQAI (GS-MN)

1220 WAYE AL BIRMGHAM - 11/13 good, with lgl ID+REL prgmmg (FM-IL1)

KVSA AR MCGEHEE - 11/13 1858 good with what sounded like a long, legal ID, but obviously a sign-off; carrier abruptly cut (FM-IL1)

KMVL TX MADISONVILLE - 11/13 1858 noted with sign-off just > KVSA; fair (FM-IL1)

1230 WMRZ IL MOLINE - 11/19 2151 fair with Iowa FB (Hawkeye Net with Bob Brooks) vs Minnesota (RD-IA)

KRSY NM ROSWELL - 11/18 2014 fair, with All day, KRSY...Radio; a real shocker! One of my 1st catches on this newly-laid LW. In spite of ID coming in moderately well, it immediately faded+a SS stn (Mexico?) or perhaps played something in SS? (FM-IL3)

1240 KVSO OK ARDMORE - 11/18 2054 noted with R&R OLD with Brad Pierce on AM 1240, KVSO; in/out for next 2 hrs; good (FM-IL3)

1250 KIKZ TX SEMINOLE - 11/18 2020 alone but weak anncg as --?-- Country, KIKZ & ad for place at 102 West --?-- in Seminole (FM-IL3)

1260 CJAM AB EDMONTON - 10/30 2051 fair in WIBV null with pregame show for Edmonton-Chicago HKY game (RD-IA)

1270 WCBC MD CUMBERLAND - 11/18 1550 poor under WSPR with song Red Red Wine, ID (LMc-NY)

WUCO OH MARYSVILLE - 11/15 1949-2300 carrying Cavaliers BKB, good on peaks thru WXYT/WSPR/WISN /Cuban; several on-hour IDs noted:Your Cavalier Connection; also ments of Delaware, OH (HJH-PA)

1280 WQUE LA NEW ORLEANS - 11/10 2117 good with R&R simul of Q93 FM (WQUE); promo about countdown contest; Prince Lovesexy Concert coming to N.O. (FM-IL1)

1290 WFBG PA ALTOONA - 11/12 1540 fair with Business of the Week Contest winner, 85 Year Anniversary Celebration promo (LMc-NY)

1310 WGH VA NEWPORT NEWS - 11/1 1840 fair with Match Game Contest promo, lots of Star 97 WGH IDs (LMc-NY)

1320 WAGY NC FOREST CITY - 11/5 1920 with CLS, C&W mx; easier with CFGM gone to 640; way over WJAS; new (GC-NY)

1340 KROC MN ROCHESTER - 11/19 2301 good with Iowa-Minnesota FB; ID during IO=second CCO/Golden Gopher Network pause;You're Listening to Golden Gopher FB on AM 1340, KROC Rochester (RD-IA)

KORQ TX ABILENE - 11/18 2200 good with end of TSN Nx+lgl ID:AM 1340, KORQ Abilene, a TSN stn (FM-IL3)

KOLE TX PORT ARTHUR - 11/3 2035-39 fair under KHUB with AM-FM ID+mx by Bobby McFerrin (RD-IA)

1350 KTXJ TX JASPER - 11/11 2102 very good with KTXJ, Country 13, in Jasper during break in HS FB game; never did determine teams; early indications are that this guy often dominates 1350 during Auroras (FM-IL1)

1360 WHBG VA HARRISONBURG - 11/5 1540 poor in WDRC null with promo for WHBG Weatherline (LMc-NY)

1370 KXTL MT BUTTE - 11/10 2127 fair with postgame show of Mont State HS Volleyball Championship (RD-IA)

WALK NY PATCHOQUE - 11/1 1702 briefly with wx (LMc-NY)

1380 WNRI RI WOONSOCKET - 11/17 1718-45 with lcl talk show, host ?? all his callers call 769-0800; good low pwr signal over/under WJDM (TF-CI)

WNRI RI WOONSOCKET - 11/17 2100 noted briefly with a bouquet of flowers give-away contest (HJH-PA)

1390 WKIC KY HAZARD - 11/19 2111 much detailed sign-off noted (HJH-PA)

1410 WHLN KY HARLAN - 11/19 1730 sign-off noted with invitation to send comments to stn; had SSB (HJH-PA)

WLSH PA LANSFORD - 11/8 1844 good briefly over WPOP with election coverage promo, Great Radio WLSH slogan (LMc-NY)

KRIL TX ODESSA - 11/18 2008 very good+good with It's 6 past 6 @ KRIL, 1410 on your AM dial; dominant much of the evening; NBC Nx & MoR Hx; either goofed on the time or I've actually got somebody in MST zone (FM-IL3)

1420 KIXT AR HOT SPRINGS - 11/9 1758-1800 fair with Ark Network Nx+ad for lcl pharmacy>ID:Easy 1420, KIXT Hot Springs (RD-IA)

WLET GA TOCCOA - 11/5 1734 with C&W mx, sign-off atop CHNL, no WHK; new (GC-NY)

WTCR WV KENOVA - 11/18 1717 XLNT signal with C&W mx; slogan:Double Country (HJH-PA)

1430 WIRE IN INDIANAPOLIS - 11/5 1851 with C&W mx, ID, promo for Hoosiers FB; no sign of CJCL (GC-NY)

WRLT TN MADISON - 11/14 1810 good over QRM with Nashville's all-new Lite 100 FM (GS-MN)

KSKS OK TULSA - 11/10 1732 very good with R&R OLD & say you hrd it on Cool 108 & Tulsa ments. so yet another FM clone; NOTE: Cool 108 is

Owasso-108.1, but I still don't know their CLS (FM-IL1) [NRC FM Station Address Book sez their CLS are KVLT-WRHH]

1440 WNYG NY BABYLON - 11/4 1845 fair mixing with WFTQ/WRRO with request line #881-1440, traffic report (LMc-NY)

1450 WCEV IL CICERO - 11/14 2258k fair with sign-off (RK-IL)

WXOL IL CICERO - 11/14 2300 fair with sign-on (RK-IL)

1460 KKOY KS CHANUTE - 11/15 1815 fair+good with ad for Chanute TV store+wx; nice duct into Kansas this evening because of tornado activity (in November, even) down there (RD-IA)

KBRZ TX FREEPORT - 11/11 1802 fair, talking about a FB game tomorrow that game will be on KBRZ+wx 4Cast & tides; surprise! 11/12 2048 I did hear that game, it was Angleton Wildcats vs ???; should I really be hearing this stn?? (FM-IL1)

1470 WBTX VA BROADWAY - 11/5 1803 fair with voting PSA, Valley Wx (LMc-NY)

1480 KOKA LA SHREVEPORT - 11/12 2024 poor with BLK GDS; guy giving CLS several times; this is 3rd frequency I've hrd KOKA on, initially on 980 back in the early 80's from Mich; what's on 1550 now? (FM-IL1) [KIVK-WRHH]

1480 WLPA PA LANCASTER - 11/11 1830 briefly dominant in mess with ads, WLPA Newstime, 4:30 (LMc-NY)

1500 KCHB AR JACKSONVILLE - 11/7 good under KCLF with sign-off:At this time, KCHB ends its broadcast day...May God richly bless you, then fast fade out (RD-IA)

WKGA IL ZION - 11/11 1801 good with SS pgm & sign-off in SS (RK-IL)

KCLF LA NEW ROADS - 11/7 1800 good with ID:KCLF, New Roads, The Home Of Goodtime Rock 'n' Roll+mx by Grand Funk (RD-IA)

KXVQ OK PAWHUSKA - 11/7 1834-41 atop with Okla State Network Nx+sign-off annot by Gary Casey (RD-IA)

1510 WLAC TN NASHVILLE - 11/18 1832 fair with lcl nx (LMc-NY)

1530 KLRA AR ENGLAND - 11/16 1835 very good with C&W, right here on the all-new KLRA & promos for KLRA-FM 98.5; hrd North Little Rock ad (FM-IL2)

WKDC IL ELMHURST - 11/11 1730 good with sign-off (RK-IL)

WRPM MS POPLARVILLE - 11/18 1758 fair over WKCY (GS-MN)

WRPM MS POPLARVILLE - (no date) very good with Saints vs Rams FB; ad for Poplarville Hardware @ 1853 (RD-IA)

1540 KNNT MO KENNETT - 11/8 1802 with OLD, ID (RK-IL)

KNNT MO KENNETT - 11/10 1825-28 good with ads for 1st Nat'l Bank & Mitchell's Drug Store; numerous ments of Kennett (RD-IA)

1550 WLUX LA BATON ROUGE - 11/13 1815 good with sign-off; was trying for KINC (RD-IA)

WBSC SC BENNETTSVILLE - 11/5 1719 very loud with C&W mx (GC-NY)

1560 WAGC AL CENTRE - 11/11 1849 noted with CLS & ments of Cherokee County & Gadsden; how late does this guy stay on?; fair (FM-IL)

WAGL SC LANCASTER - 11/5 1717 sign-off, atop channel (GC-NY)

KEGG TX DAINGERFIELD - 11/11 2148 poor with ad for Daingerfield which ment'd East Texas, then return to FB game (FM-IL1)

1570 WBUX PA DOYLESTOWN - 11/18 1800 with IDs, nx atop frequency; not bad for 50 watts! (?? ?? to the log!!) (TF-CT)

1580 KNIX AZ TEMPE - 11/15 1929 good with ad for 1st Interstate Bank of Ariz-ID:KNIX, your official C&W mx stn for over 20 yrs+mx by Tom T. Hall (RD-IA)

WKNN MS PASCAGOULA - 11/5 1813 very loud & alone with C&W mx, K-99-FM IDs with 99.1 FM; offshore wx, lcl ads; new (GC-NY)

WTYO NJ HAMMONTON - 11/3 1550 faday with POL ad, WTYO jx (LMc-NY)

1590 WCBG PA CHAMBERSBURG - 11/8 1848 fair under WQQW with lcl ads, jx (LMc-NY)

1600 KATZ MO ST LOUIS - 11/5 1813 UC mx by Keith Sweat, CLS (GC-NY)

WTZQ NC HENDERSONVILLE - 11/5 1800 with 5000 watts leader-W72Q Hendersonville+ABC Nx (GC-NY)

KUSH OK CUSHING - 11/14 1904-05 good with ad for lcl sporting goods store+sign-off (RD-IA)

GRAVEYARD UPDATES (new records)

1230	ME Belfast	Steve Whitt	Sheigra, Scotland	2918
WBME	NJ Wildwood	Mark Hattam	Sheigra, Scotland	3450
1450	BER Hamilton	Steve Whitt	Sheigra	3415
VSBI				

REPORTERS:

JB-TX Jim Boeha//San Antonio, TX//R71A + 18' Coax Loop
 AB-TX Artie Bigley//San Antonio, TX//Superadio
 KO-IL Ken Onyschuk//Country Club Hills, IL//Superadio or JVC Boombox
 RK-IL Robert Kramer//Chicago, IL//R-1000, HQ-129X + RW Loop, Kowalski Loop
 GC-NY Greg Coniglio//Clarence, NY//Sharp WQ272
 LMC-NY Laura McCuaker//Ravena, NY//
 FM-IL Frank Merrill//McComb, IL//1- Superadio, 2- R-1000 + 450' LW due South
 3- R-1000 + 1200' LW between WSW/SW, 4- R-1000 + 800' LW between SE/ESE
 HJH-PA Harry Hayes//Wilkes-Barre, PA//Superadio
 GS-MN George Sherman//Apple Valley, MN//RF-2200, Superadio, GE Pocket Radio, RW Loop
 TF-CT Tony Fitzherbert//Fairfield, CT//Superadio
 TH-CA Tim Hall//Chula Vista, CA//
 RD-IA Rick Dau//Oakland, IA//Reader's Digest 10-Bander
 GMA-GA Gary Atkins//Macon, GA//

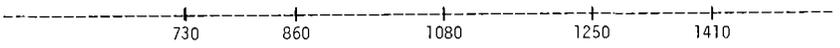
73, Bill

CITY QUIZ

John S. Bowker, Valparaiso, IN

QUIZ # 14

Only one city in the United States has stations operating at the five dial positions shown below. Of course, there may be other stations in this city too! Can you spot the city?



Here is a hint: it is one of these: Hartford, Pittsburgh, Dallas
 (The answer will appear at the end of the next City Quiz in DX News.)
 The answer to City Quiz #13: New Orleans

Here is a new twist on an old idea. Radio station WRKI (FM sister of WINE-AM) has hit upon the concept of having people FAX in their record requests. It seems that office workers during the day have access to FAX machines and are sending their requests digitally over the telephone lines.
 -via Pete Kemp

SPORTS NETWORKS

Barry S. Finkel

10314 S. Oakley Avenue, Chicago, IL 60643

Metropolitan Opera Radio Network 1988-1989 (9/1/88) Barry S. Finkel

Here is the Metropolitan Opera Network station list for the 1988-1989 broadcast season. Most of the network consists of FM stations; here are the AM stations. There may be some CBC AM stations that broadcast the opera. The broadcasts begin Saturday, December 3 and end Saturday, April 29. Twelve broadcasts begin at 1:30 ELT, three at 1:00, three at 2:00, three at 12:30, and one at 12:00 noon. This list is from the Met. Opera Broadcast Guide.

550 WCBI-MS	920 WKYD-AL	1240 WSYY-ME	1340 WOKE-SC	1450 KBPS-OR	1560 WRIN-IN
KOAC-OR	WBAA-IN	1270 WCBC-MD	WRHI-SC	KBBS-WY	WOXR-NY
570 WGMS-DC	930 KAPR-AZ	WCGC-NC	1370 XXTL-MT	1470 KVUU-KS ^c	KEGG-TX
WACL-CA	KIUP-CA	1290 WKNE-NH	WKMC-PA	KCNC-MO ^d	1580 KNUS-NM ^e
660 KGDP-CA	WRRF-NC	1310 KGMT-NE	1400 WNEK-GA	1490 KDB -CA	1590 KEAS-TX
690 KGGF-KS	940 WIPR-PR ^a	1320 KAWC-AZ	1420 WDBR-FL	WKVT-VT	
KUSF-SD	1150 KWKY-IA	1340 WGAU-CA	WRCG-GA	1510 KANS-KS	
730 KIZN-ID	1230 WSBF-FL	KSKT-ID ^b	KULY-KS	1520 WTLN-FL	
790 KXXX-KS	WCMC-NJ	WBRK-MA	1430 KMRC-CA	1550 KKHI-CA	
900 KBIF-CA	KSEY-TX	WKOZ-MS	1450 WHDL-NY	KAKS-TX	

^aTwo week Sunday delay
^bPrinted list has typo KSIK.
^cPrinted list has old call KILS.
^dNRC LOC 9th Edition has this station silent.
^ePrinted list has old call KZIA.

Nancy Hardy

2301 Pacific Avenue, Aberdeen, WA 98520

Here's another DDXD-West. Hope everyone has a happy holiday season!

SPECIAL

- 1240 KNSS KS WICHITA - 11/13 2325 Minnesota-Dallas Sunday nite FB; 2329 ID as "KNSS, Wichita's News Radio." 0/u QRM. EX-KRZZ. (ØW-CO)
- KALY NM LOS RANCHOS DE ALBUQUERQUE - 11/6 2358 briefly over QRM with ID, Latin local music. Ex-KLTN. (ØW-CO) (My Log shows this as "Albuquerque." Anyone know for sure?--NH)
- 1470 KMFI AZ SIERRA VISTA - 11/14 1857 Al Hirt song; 1859,55 ID "Your station for the original...24 hours a day, KMFI Sierra Vista" then ABC-I news. Fair in KSIR null. Ex-KSVA. (ØW-CO)
- 1580 KNUS NM ALBUQUERQUE - 11/21 1858 area news, 1859,50 ID "KNUS AM Albuquerque, KZIA-FM Albuquerque..." then CBS News & immed. lost. Ex-KZIA. (ØW-CO)
- 1590 KLLL TX LUBBOCK - 11/14 0657 local ads with ID "K Triple L FM" and into C&W music, killed by KVGB s/on. Ex-KEND. (WH-CO)

MIDDAY TO MIDNIGHT

- 560 KWTO MO SPRINGFIELD - 11/12 2230 "56 Country KWTO," local spots. (DA)
- 570 KGRT NM LAS CRUCES - 11/12 1934 ID, Motel 6 ad. 155 watts on top. (DA)
- KOV? TX DALLAS - 11/12 2140 several good IDs sure sounded like "KOV." Was it a slurred KLDD or new call? (DA-CO) (KLDD has the slogan "K-Oldies," which sounds very similar.--NH)
- 830 KFLT AZ TUCSON - 11/12 1928 program "Psychology for Living" just ending; anct. of power out to lkw & disappeared when they did so at 1930. Good sig. with 50kw, no sign of WCCO. (ØW) 11/19 1858 Spanish relig., English ID to English relig. (DA)
- 990 KGTM TX WICHITA FALLS - 11/19 1908 "Classic Country, stereo KGTM," o/u CBW. (DA-CO)
- 1090 KKYN TX PLAINVIEW 11/12 1953 "This is best country, KKYN." (DA-CO)
- 1130 KRDU? CA DINUBA - 11/12 1943 talk about building Manor House in Exeter "the plan is unfolding." Pattern change, then nothing. (DA-CO)
- 1140 KRAK CA SACRAMENTO - 11/12 1739 several IDs & local spots. (DA-CO)
- 1240 KTHE WY THERMOPOLIS - 11/13 2205 ad for Mr. Mike's, "1240 Radio KTHE" slogan, then into music and lost. New, WY #26. (ØW-CO)
- 1280 CJMST PQ MONTREAL - 10/27 2202 French, no ID. Several ments of Montreal Is there another French station on this freq.? No sign of CBF-690's U1 pattern. (DA-CO)
- 1390 KDZR CO DENVER - noted not on AN 11/14. Noted 1600 with "Business Radio Network" satellite net. Presumed as no ID on the hour. Is still AN weekdays. (WH-CO)
- 1400 KDTA CO DELTA - 10/27 2106 "Tell your friends about the new Delta radio." (DA-CO)
- KCOW NE ALLIANCE - 10/27 2046 on top with ID, local weather. (DA-CO)
- KBRB NE AINSWORTH - 10/27 2300 weather & s/off with SSB. (DA-CO)
- 1460 KENO NV LAS VEGAS - 11/13 2315 "AM stereo 1460 KENO." (DA-CO)
- 1470 KKVU UT TREMONTON - 11/14 1918 s/off anct., ment. 5kw. Weak. (ØW)
- 1510 KGA WA SPOKANE - 11/21 1909 Jim Reeves song, local spot. Briefly very good in partial KDKO null, but soon lost. New. (ØW-CO)
- 1590 UNID ??? - 11/12 1900 "This is K Triple L, K-L-L-L." Help! (DA-CO) (See the KLLL-1590 tip in SPECIAL above.--NH)

MIDNIGHT TO MIDDAY

- 600 KTBB TX TYLER - 11/18 0730 good in KIIX null with headlines. (ØW-CO)
- 800 KQAD? MN LUVERNE - 11/20 0725 poor with tri-state weather forecast with mention of southwestern MN, IA, SD. No ID except "K101"?? 80 watts? (DA-CO)
- 820 CHAM ON HAMILTON - 11/18 0640 weakly in WBAP null with C&W and local spots. (WH-CO)
- 840 KVEG NV NORTH LAS VEGAS - 11/14 0003 poor, WHAS still dominates. (DA)
- 860 KTRB CA MODESTO - 11/20 0738 C&W, PSA & station promos. (DA-CO)
- 890 KBYE OK OKLAHOMA CITY - 11/20 0818 church service at ?? on Martin Luther King Blvd. and other relig. spots into relig. (DA-CO)
- 910 KALL UT SALT LAKE CITY - 11/13 0000 legal ID into ABC News. (DA-CO)
- 930 KLCY MT EAST MISSOULA - 11/20 0650 Southgate Mall spot & ID. (DA)
- 1000 KXR? SD SIOUX FALLS - 11/20 0744 s/on with 46 watts? On top! (DA-CO)
- 1030 KBEQ MO BLUE SPRINGS - 11/17 0652 news & sports with local spots, IDs generally as Q-104 but did give a KBEQ AM & FM ID at 0654 followed by weather. (WH-CO)

1030 KTWO WY CASPER - 11/16 0657 Streisand's version of SSB, 0700 CBS News. Noted off other AM's, too, so maybe they now have nitely SP. (ØW-CO)
 1060 KLMO CO LONGMONT - 11/17 0800 s/on, no NA. (ØW-CO)
 1070 CHMGt AB ST. ALBERT - 11/11 0119 oldies music, Edmonton weather, local spots, "1070 Gold" slogans. Missed 0200 ID. CHMG now or still CKST? (ØW-CO)
 1120 KANN UT ROY - 11/5 0920 program "First Hand," chatting about missionary work amongst the Indians of western Canada. More relig. programming to 1000 ID "Invest in people's lives-- this is K-A-N-N, Roy-Ogden-Salt Lake City." Good signal, no QRM. Ex-1090. New, UT #29. (ØW-CO)
 1130 KLEY KS WELLINGTON - 11/22 0820 area news, weather, local spots. 0830 ID as "K-L-E-Y 1130 AM." Fair in KEMR null. New. (ØW-CO)
 KBMR ND BISMARCK - 11/13 0930 weather, ID to "Country Crossroads." (DA)
 WISN WI MILWAUKEE - 11/22 0810 WISN news promo. Briefly heard in QRM, then disappeared. New, WI #8. (ØW-CO)
 1170 KVSF CO WINDSOR - 11/16 0759 partial NA, English-Spanish s/on. (ØW-CO)
 1180 KERI CA WASCO - 11/19 0030 ID into English relig. under KKAR. (DA-CO)
 1190 KBOL CO BOULDER - 11/16 0800 quick s/on, right into lite pop music. (ØW-CO)
 KVSF KS BELOIT - 11/14 0812 Kansas Ag. Net & local spots. (WH-CO)
 1200 WOAI TX SAN ANTONIO - 11/14 0558 s/on after usual MM SP. Owned by Clear Channel Communications, Inc. 0600 CBS News. (ØW-CO)
 1210 KONY UT WASHINGTON - 11/13 1000 "We're the heart of Dixie, Washington, Winston, St. George, KONY, Dixie's pride." UT #18. (DA-CO)
 CKWA AB SLAVE LAKE - 11/18 0605 with CFQK/CKWA call in weather forecast at close of BN newscast. I'm sure I've heard on other occasions, but never picked up call before. KASY off at 0300, to return at 0830, except Sat. & Sun. at 0900, per s/off anct. (RHM-WA)
 1220 KVSA AR MCGHEE - 11/16 0730 detailed weather for SE Arkansas, bank ad, full ID at 0735. Fair sig., not much QRM. (ØW-CO)
 KBNO CO DENVER - 11/14 0803 English/Spanish s/on; owned by Latino Broadcasting Corp. (ØW-CO)
 UNID ??? - Canadian probably 11/14 0513 C&W music, ment. of Winnipeg & "QX-104." Old VJ Log lists a CHQX in Kenora on 98.5. Is this CJRL? Weak under CJRB's classical music. (ØW) (There is a CFQX-104.1, Selkirk, Manitoba, near Winnipeg.-NH)
 1230 KEXO CO GRAND JUNCTION - 11/14 noted with Mutual "America in the Morning" with local ID at 0615. (WH-CO)
 1240 KCOW NE ALLIANCE - 11/14 ID at 0700 followed by ABC-I News. (WH-CO) (Wayne, I have KCOW listed as 14001--NH)
 1260 WIBV IL BELLEVILLE - 11/14 0559 SSB, into CNN News. No ID/anct. until 0606 with slogan "WIBV, Adult Variety." Fair, no QRM. (ØW-CO)
 KWYR SD WINNER - 11/16 0658 SSB, CBS News, 0706 area news. (ØW-CO)
 1270 KTFI ID TWIN FALLS - 11/10 0100 NBC News, "AM 1270 KTFI" jingle, then mellow pops. Fair in WKBF/KIML QRM. New, ID #13. (ØW) ??? - 10/23 0831 ads for Boardwalk Mall stores & Bay City Locksmith. KIOX says not in their Bay City... Lost quickly under WKBF. Ideas? (WH-CO)
 1330 KFH KS WICHITA - 11/17 0821 // KXLK-FM with top 40 and FM-105 IDs. (WH-CO)
 1340 KTOQ SD RAPID CITY - 11/14 0559 quick ID and into NBC News. (WH)
 1400 KDTA CO DELTA - 11/14 0843 in briefly with local spots, call ID. (ØW)
 KAYS KS HAYS - 11/14 0600 poor in QRM with s/on. (ØW-CO)
 1450 KCNY UT MOAB - 11/9 1027 spotty reception in KATR null with mellow music, NOS-type. Program note for Jazz BKB. New, UT #30. (ØW-CO)
 1480 KHQN UT SPANISH FORK - 11/10 0958 Sitar music, woman anncr with info about local Krishna Awareness Centers, 1003 ID "Stay tuned to KHQN Spanish Fork for...and more features." Good on peaks, more or less dominant, but fading. New, UT #31. (ØW-CO)
 1490 KRYN CO MANITOU SPRINGS - 11/11 0924 briefly noted over QRM in KBOL null with call ID only. New, CO #76. This has been my closest unheard station for years! That honor now goes to KDMN-1450. (ØW-CO)
 1530 KXTD OK WAGONER - S/off reported last issue was listed under the old call, sorry! (WH-CO)
 1560 KLLV CO BREEN - 11/20 0900 ID into relig. (DA-CO)
 1570 KVRA SD VERMILLION - 11/20 0928 weather and spots for Vermillion. SD #14. (DA-CO)
 1580 KDAY CA SANTA MONICA - 11/17 0220 "AM stereo KDAY" under KNIX. (DA)

1590 KVGB KS GREAT BEND - s/on anct. 11/14 at 0658 followed by SSB. (WH-CO)

REPORTERS

DA-CO/Doug Allen, Woodland Park, CO/TRF, TS 430S, 160 meter dipole, and 620' NE-SW & 600' SE-NW Beverages
 WH-CO/Wayne Heinen, Aurora, CO
 RHM-WA/Roy H. Millar, Marysville, WA/Grundig 5077, SM-2
 ØW-CO/John Wilkins, Wheat Ridge, CO/R-390A, R-1000, 2½-foot loop

INTERNATIONAL DX DIGEST

Chuck Hutton

1237 Lanier Blvd., Atlanta, GA 30306

Times are GMT (UTC), for ELT subtract 4 hours. (404) 573-2755 Before 2300 ELT

555 ST. KITTS ZIZ Basseterre 11/7 0055 announcements, low with QRM. (Headley)
 560 JAMAICA Kingston 10/.24 0500 end of religious pgm, quick s/off with mention of JBC. (Townshend)
 570 MEXICO Monterrey XEBJB 11/9 1124 heard with clear slogan "B-J-B" (Hotah-Bay) between ranchera songs. This was only logging #43 for my first Mexican! Logged less than 3 hours after starting my Macor (Merrill)
 580 MEXICO XEMU Piedras Negras 11/11 1226 very strong with rancheros & top heavy roster of local ads in SS, including Eagle Pass business. Did not catch station slogan. What's this guy doing? Usually the dominant on 580 here at night, and often the most readable Mexican on dial. (Merrill)
 585 SPAIN Madrid w/SS pretty good at 200 kw but a lot of QRM (almost overridden) by Austria w/240 kw 11/11. (Muick)
 595 DOMINICA Roseau 11/14 0125 two males talking about Dominica, good (Headley) with ads for Toyota 10/20 at 0058. Fantastic signal and announcements in EE and FF, 0100 9 o'clock time check and pgm sked followed by Caribbean report. Their 20 Kw must be on, never heard equal like this before. (Merriman)
 670 VENEZUELA YVLL R. Rumbos, Caracas 11/9 2139 good with many mewntic Rumbos; chimes and fast talking DJ. (Harvey)
 700 JAMAICA Montego Bay JBC Radio One 11/12 0301 peaked with good signal. Very little WLW interference. Taped reception report sent. (Tynan)
 710 CUBA R. Rebelde 710 itself a real mess with a buzz saw like het, readable but distorted audio on 709 and 712 KHz. Strong signal. C version of stereo? 10/20 at 0050. (Merriman) Yeh, wait till you hear quadraphonic version - Chuck
 750 JAMAICA Port Maria JBC Radio One 11/12 0335 fair to good signal / Radio One on 700 KHz. (Tynan) 11/8 0021 good with live coverage of Leonard - Lalonde fight from Caesar's Palace; Radio One ID after coverage, into news by woman. (Harvey)
 790 CUBA Pinar del Rio CMAD 10/15 0247 metronome pips, SS talk by man, u/WTAR. (Townshend)
 800 NETHERLANDS ANTILLES TWR 11/7 0305 Gerry Gedmore preaching. (Head)
 825 ST. KITTS R. Paradise 11/7 0115 male and female religious discussion. good. (Headley) 11/9 2151 very good with typical canned religious programs w/donation requests. (Harvey)
 830 CUBA R. Taino 11/9 2135 xlnst SS talk and music into EE w/ID as Taino Radio in Havana-Yours for the listening at 2200, announcing 1160 (Harvey)
 927 BELGIUM BRT Brussels w/Dutch and pop mx, super signal at 300 kw.
 930 CUBA R. Reloj take your pick, buried but their telegraph sounder making it through at 0045 10/20. (Merriman)
 940 CUBA R. Reloj, Holguin or Colon on top 10/20 0041, good sig. Usual and time ticks. (Merriman)
 960 CUBA R. Reloj Cienfuegos or Guantanamo mixing with several domestic occasionally on top 10/20 0035-0040. (Merriman)
 1010a VIETNAM Voice of Vietnam Hanoi 10/29 1616-1626 female anncr in EE till 1621, list of things happening that week in Vietnam, 1626 and female anncr, carrier cut at 1626:37, stayed on 1010 KHz till 1631 no carrier noted. Noted this before, but only in CC. (Vernon)
 1100 ANTIGUA ZDK St. Johns 11/7 0045 calypso music, strong at times, m.

- 1134 with SS. (Headley)
- 1134 YUGOSLAVIA Zadar strong 0103 10/30 male with what sounded like new: 0104 instrumental mx, 0106 "Volare". (Merriman)
- 1143 USSR Kaliningrad Radio Moscow Foreign Service first noted about 2: 10/30, man and woman in EE, some music, listened off and on for ne minutes, over S9 at 2355 w/music. (Merriman)
- 1160 CUBA R. Taino, Havana 11/12 and 11/13 0445 LA music broadcast in l s/off at 12 PM. (Headley)
- 1165 ANTIGUA Caribbean Lighthouse 11/7 0030 with religious music, low (Headley)
- 1341 NORTH IRELAND BBC R. Ulster Belfast in EE w/pop mx at 1816, kinda for rated 100 kw. (Muick)
- 1390 UNID 11/17 0256 station broefly here with "Radio Mexico" slogan. (Merrill)
- 1458 ENGLAND R. London at 2320 in EE like very close w/talk on sex beft marriage. Decent signal at 50 kw. (Muick)
- 1467 MONACO R. Monte Carlo 10/30 2344 mx, 2345 carrier cut at 20 over : booming signal. (Merriman)
- 1521 SAUDI ARABIA Duba 11/17 2110 w/two men in AA drama, followed by interlude of instrumental mx until 2122. Steady signal, fair to go easily separable from 1520; one of the best ever receptions of th. Faded 2125 w/last upsurge at 2128. (Rugg)
- 1557 MALTA R. Meditteranean in EE like they were next door. 600 kw - a catch at 2240. (Muick)
- 1610 ANGUIILLA Caribbean Beacon 11/7 0120 man preaching, good. (Headley)
- 1612 VATICAN 1725 w/S after Arabic pgm. Stomping sigs but listed as Marchiolo, Italy with 100 watts. 11/8. (Muick)

Sheldon Harvey - Greenfield Park, PQ ICF6800, loop
 Edwin Headley - St. Albans, NY R1000, 90' LW, attic loop 200', tune
 Frank Merrill - Macomb, IL R1000, 1200' LW SW
 Alan Merriman - Annandale, VA NRD525, 2 slopers, R. West loop
 Al Muick - Munich, W. Germany ??????
 Andy Rugg - Nuns Island, PQ HQ180A, 135' LW
 Bill Townshend - Washington DC ICF2010
 Jeff Tynan - Parker, CO Sony 2002 with loop
 Brian Vernon - Elsa, Yukon R7A, FRG7700, 3 300m. LW's

NRC Member Makes Contact with Soviet MIR

NRC member Pete Kemp, amateur radio operator KZ1Z, helped forge a bit of radio history November 20th, when at 0803 UTC, he made conact with the orbiting Soviet Space Station MIR, on 145.525 Mhz. The exchange with cosmonaut Musa Manarov, U2MIR, was brief, but the affect of this contact will be longlasting. Pete notes that the following frequencies have been active during this operation: 145.55, 145.525 and 145.575 for amateur radio contacts in English, 143.625 yielding cabin conversations in Russian. Amateur radio contacts have been primarily on weekends, with weekday operations a possibility in the future. The MIR's signals have been heard on programmable scanners, with external as well as the standard telescoping whips. Should you have a computer, a number of tracking programs for Apple, IBM and Commodore are available from AMSAT (AMSAT-NA, P.O. Box 27, Washington, DC 20044) and other sources. Up to date Keplerian data for use with these computer programs is available from: AMSAT Bulletins, ARRL Bulletins, and a number of computer BBSs, both commercially, e.g. Compuserve and locally, e.g. Fido.

NRC AM Radio Log

The most up-to-date listing of domestic MW stations available, anywhere! 200 pages, three-hole punched. \$12.95 each, to U. S. NRC members; \$13.95 Canadian NRC members; others write.

ZIP Codes for DX'ers ... from the USPS

-via Gayle Yeager

FIRST THREE DIGITS of ZIP CODE (NUMERICALLY)			FIRST THREE DIGITS of ZIP CODE				
1	PUERTO RICO	PR	006-009	1	ALABAMA	AL	350-369
2	MASSACHUSETTS	MA	010-027	2	ALASKA	AK	995-999
3	RHODE ISLAND	RI	028-029	3	ARIZONA	AZ	850-865
4	NEW HAMPSHIRE	NH	030-038	4	ARKANSAS	AR	716-729
5	MAINE	ME	039-049	5	CALIFORNIA	CA	900-966
6	VERMONT	VT	050-059	6	COLORADO	CO	800-816
7	CONNECTICUT	CT	060-069	7	CONNECTICUT	CT	060-069
8	NEW JERSEY	NJ	070-089	8	DELAWARE	DE	197-199
9	NEW YORK	NY	090-149	9	FLORIDA	FL	320-342
10	PENNSYLVANIA	PA	150-196	10	GEORGIA	GA	300-319
11	DELAWARE	DE	197-199	11	HAWAII	HI	967-968
12	DIST. of COLUMBIA	DC	200-205	12	IDAHO	ID	832-838
13	MARYLAND	MD	206-219	13	ILLINOIS	IL	600-629
14	VIRGINIA	VA	220-246	14	INDIANA	IN	460-479
15	WEST VIRGINIA	WV	247-268	15	IOWA	IA	500-528
16	NORTH CAROLINA	NC	270-289	16	KANSAS	KS	660-679
17	SOUTH CAROLINA	SC	290-299	17	KENTUCKY	KY	400-427
18	GEORGIA	GA	300-319	18	LOUISIANA	LA	700-714
19	FLORIDA	FL	320-342	19	MAINE	ME	039-049
20	ALABAMA	AL	350-369	20	MARYLAND	MD	206-219
21	TENNESSEE	TN	370-385	21	MASSACHUSETTS	MA	010-027
22	MISSISSIPPI	MS	386-397	22	MICHIGAN	MI	480-499
23	KENTUCKY	KY	400-427	23	MINNESOTA	MN	550-567
24	OHIO	OH	430-458	24	MISSISSIPPI	MS	386-397
25	INDIANA	IN	460-479	25	MISSOURI	MO	630-658
26	MICHIGAN	MI	480-499	26	MONTANA	MT	590-599
27	IOWA	IA	500-528	27	NEBRASKA	NE	680-693
28	WISCONSIN	WI	530-549	28	NEVADA	NV	889-898
29	MINNESOTA	MN	550-567	29	NEW HAMPSHIRE	NH	030-038
30	SOUTH DAKOTA	SD	570-577	30	NEW JERSEY	NJ	070-089
31	NORTH DAKOTA	ND	580-588	31	NEW MEXICO	NM	870-884
32	MONTANA	MT	590-599	32	NEW YORK	NY	090-149
33	ILLINOIS	IL	600-629	33	NORTH CAROLINA	NC	270-289
34	MISSOURI	MO	630-658	34	NORTH DAKOTA	ND	580-588
35	KANSAS	KS	660-679	35	OHIO	OH	430-458
36	NEBRASKA	NE	680-693	36	OKLAHOMA	OK	730-749
37	LOUISIANA	LA	700-714	37	OREGON	OR	970-979
38	ARKANSAS	AR	716-728	38	PENNSYLVANIA	PA	150-196
39	OKLAHOMA	OK	730-749	39	RHODE ISLAND	RI	028-029
40	TEXAS	TX	750-799	40	SOUTH CAROLINA	SC	290-299
41	COLORADO	CO	800-816	41	SOUTH DAKOTA	SD	570-577
42	WYOMING	WY	820-831	42	TENNESSEE	TN	370-385
43	IDAHO	ID	832-838	43	TEXAS	TX	750-799
44	UTAH	UT	840-847	44	UTAH	UT	840-847
45	ARIZONA	AZ	850-865	45	VERMONT	VT	050-059
46	NEW MEXICO	NM	870-884	46	VIRGINIA	VA	220-246
47	NEVADA	NV	889-898	47	WASHINGTON	WA	980-994
48	CALIFORNIA	CA	900-966	48	WEST VIRGINIA	WV	247-268
49	HAWAII	HI	967-968	49	WISCONSIN	WI	530-549
50	OREGON	OR	970-979	50	WYOMING	WY	820-831
51	WASHINGTON	WA	980-994	51	DIST. of COLUMBIA	DC	200-205
52	ALASKA	AK	995-999	52	FUERIO RICO	PR	006-009

Radio Roundup ... by Pete Kemp

In Pittsburgh, Dusty Rhodes of WPIT-FM has been selected the Steel City's favorite morning radio personality.

In New York, The Larry King Show is switching over to WNEW.

Public Broadcasting's Modern Maturity show is being dropped due to the A.A.R.P.'s lack of funding.

Philadelphia's former mayor Frank Rizzo is elevating his profile a bit as he begins his new talkshow on WCAU.

KFWB's sportcaster Don Wells is retiring after 33 years.

CONTESTS

George Sherman

104 Pinewood Circle, Apple Valley, Minneapolis, MN 551249319

	Contest Standings as of 11/20								
	A	B	C	D	E	F	G	H	I
Jeff Tynan, Parker, CO	3391	1476	375	20	16	94	0	0	0
Robert Kramer, Chicago, IL	3025	1395	-	124	6	9	3	0	0
Wayne Heinen, Aurora, CO	2150	1275	255	17	4	34	*	0	0
John Wilkins, Wheat Ridge, CO	940	550	110	10	0	18	0	0	0
Bill Hardy, Aberdeen, WA	501	248	148	2	2	1	0	1	0
Nancy Hardy, " "	496	223	133	0	2	4	1	0	0
Michael Hogan, Burnham, IL	121	96	-	0	0	0	0	0	0

A= total points B= state & province points C= handicap points D= # of s/ons & s/off's heard & reported to DDXD E= # of most likely stations heard F= # of other new logs G,H,I= 1st, 2nd, & 3rd reports of new stations(broadcasting for 1st time 9/1 or later)

FIRST REPORT OF NEW STATION 640 CFGM-ON RK-IL 11/6; 840 KVEG-NV NH-WA 10/23; 1100 WSGI-TN RK-IL 11/22; 1210 KOKK-SD RK-IL 11/22; SECOND REPORT 840 KVEG-NV BH-WA 11/18

For rules see 9/15 DX NEWS p.15; clarifications 10/21 p.11 & 11/7 p.6 & this page. If you haven't joined yet you may do so till 1/1, so make it your New Year Resolution to join the contest & hear more DX! Note that the contestants above logged 190 new ones (domestics, combined) since 9/1! You will have even more fun & success if you can get another member in your area to participate; exchange tips over phone while DXing, or go on a "DXpedition" to a noise-free location within 25 miles of your home, etc.

SCORING DECISIONS, made according to my original intent: No points for anything outside of US & Canada (applies to A thru I). Scoring, A, DC can be counted as a state as it is part of US but not really part of MD, which surrounds it, so add any DC loggings to total going back to 9/1

Scoring G,H,I points for stations coming on air after 9/1 is for stations that never existed before; however I'll give 10 points to 1st contestant to report to AM Switch or DDXD a station that has returned to the air 9/1 or later, if the station was reported as silent in AM Switch or DDXD, or by other reliable source, before 6/1.

"Call changes"don't count; what I meant by frequency changes counting was for a station that moved to a frequency not previously in use in that area, a change that didn't involve a 2nd station for frequency swap, or selling of a frequency & equipment. So if you heard, for example, WPAN &/or WHN on 1050, & WPAN &/or WNBC on 660, it counts as 2 stations; if you heard WHN & WUKQ on 1050, it counts as 1 station; if you heard WNBC & WPAN on 660, it counts as one station.

QUESTIONS? Need copy of rules? Write, or phone 10AM-10PM, NO collect calls (CLT) if it seems too complicated I will add up your score for you.

DIDN'T ENTER? Too complicated, time consuming, unfair, or boring, or? If not, "better late than never" (you may join till 1/1). If you don't like this contest, perhaps you could offer some suggestions for next contest. Ideas, anyone?

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 for all types of listeners with material useful 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 DX Audio Service - 706 MacKenzie Avenue - Lima, OH 45805-1835.

The Computer-Assisted DX'er ...by Wayne Heinen

A computer assisted DX'er? You may ask yourself, "What does he have that I don't have?" The answer is more TIME!

The computer assisted DX'er has the speed of the computer. As the editor of Veri Signers, my time involved in producing my column went from approximately 6 to 7 hours per column down to roughly 2 hours per column. My time to write a reception report went from approximately 20 minutes each down to roughly 5 minutes each. Follow up reports take about 3 minutes each.

Since every one is not an editor, I'll start with some of the basic functions of DX and the way my Apple][e has changed my time allotment to DX'ing. The use of a data base record was my first endeavor. Since I am basically a Veri collector, I don't keep a "heard" log. So the things I've done will be different than what you might do, but the principles are the same.

To start, I designed a data base of verifications that dealt with the things that "I" felt were important to know about my Veri collection. The easy ones are the logbook entries, Call, Freq, Location. then I stopped here. I like to know how many stations I've heard from a particular state, to do this I had to break the location into the categories of: City and State, and since I also have foreign Veris, I added a "Country" entry. Appleworks allows a single record layout with almost unlimited possibilities. Below is my final record with an annotation of each column type.

 CALL: KRDO
 FREQ: 1240
 CITY: Colorado Springs
 STATE: CO
 Country: USA
 QTH: CS (I lived in Colorado Springs when the Station was heard)
 YR: 1983 (Year Verified)
 COUNT: 1 (Counter for Verie Count enter "1")
 Status: (D for Deleted Station or F for Foreign)
 Miles: 3 (tracks Graveyard Miles)
 C.Country: (enter "1" for the first station from each Country)
 FVC: (= "1" if not a Domestic Verie)
 State Count: (enter "1" for the first entry from each State)
 Prov Count: (enter "1" for the first entry from each Province)
 Logged/CO: (If verified in NY enter "1" if heard in CO)
 Allocation: 1 (As a courtesy to my friends, I can tell you the number of veries I have without including call changes)

Depending on who you are and what you want to know about your veries or loggings, you may use a few more or a few less categories than I did. As most of us in the hobby seem to be sticklers for both detail and statistics, the computer allows almost instantaneous updates to the totals that a DX'er might be interested in.

File: TOTAL VERIS

Page 1

November 25, 1988

Custom Spreadsheet showing SWBC, UTE and MWBC totals for Wayne Heinen from 1963 through the current report date shown above.

TOTAL MW 1211	Total SW	128	BCB RPTS	1387
			For MW	57
			BCB VERIS	1211
			PER RETRN	87.31%
FOREIGN 37	SWBCVERI	111		
25	UTILITY V	17		
SA 3			DomBCBRpt	1330
OCEANIAN 2	DXCC	90	DomCBVVer	1174
EUROPE 5	SWBC	76	Per Retrn	88.27%
ASIA 2	MWBC	27		
	UTILITY	6	MWBC	
			Fm AU	223
GRAVEYARD	122 SWBC		Fm CS	514
STATES	49 Fm AU	73	Fm OP	474
PROVINCES	9 Fm AK	1		
TOTAL DGM	1174 Fm OP	54		

After I do an update to my Verification data base I pull up my "Total Veries" spreadsheet that does my calculating and keeps track of my percentage return rates and totals. By using a variety of calculating formula, the sheet automatically calculates changes in the statistics that I wish to track. This includes the count of the number of Veries from each DX location that I have collected from and a track of my countries both MW and SW. Plus breakdowns for reporting to Domestic DX Achievements. Some entries must be manually made, like the breakdown by continent category, but this just means a few key strokes and my totals are up to date. The above includes the latest verie, KCCR-1240, complete with an update for my Graveyard total of 122 veries.

Speaking of Graveyards I've got a sheet shown below that helps me track what I've Veried and compare it to the all time records from Bill Hales column. The one with the asterisk is a record I hold. Sterling is one that hasn't yet been tracked.

File: GYDXA REPORT Page 1
November 25, 1988

FREQ CALL	CITY	STQTH	YR	CT	MILES	CURRENT
1230 KINO	Winslow	AZ CS	1980	1	428	860
1230 KEXO	Grand Junction	CO CS	1978	1	264	685
1230 KDZA	Pueblo	CO CS	1981	1	47	455
1230 KBCR	Steamboat Springs	*CO CS	1978	1	170	170
1230 KSTR	Sterling	CO AU	1987	1		

And while we're on the subject of editors of columns, this is what Nancy Hardy gets from me when I've got some DX to share with other members

File: DDXDReport Page 1
Report: Report
November 25, 1988

All receptions on Radio West TRF/ Corrections to prior reports included, Sorry!

1240 KDGO Durango, CO
11-21 Ontop for 1D at 6:13am, Call to station later in the day confirmed they were testing, On Reg sked at 8 am with Oldies format WH-CO

I've basically formatted both my data base and my report so that it's as complete as possible. My most recent database includes separate columns for date and time in my worksheet that will hopefully help me to include all the items needed. I know Nancy & other club members will like that!

Since I decided (or was coerced by Jeff Tynan Hi!) into joining this year's contest I needed the quickest way to track my levels and keep track of my points, this led to a data base that allows me to report all my loggings to George Sherman in a timely manner.

Wayne Heinen report for 11-20-88 report period Page 1
File: ContestScore November 25, 1988
Report: Report

Selection: New is not blank
or Hit List is not blank

L	Call	Freq	Sta	S/o	S/o	Reg	New	Gra	Hit	Date	Time
1	WTAK	1000	AL						10	Oct 17 88	7:49 AM
2	KVSA	1220	AR						10	Oct 18 88	6:50 AM
3	KFDF	1580	AR		10				10	Nov 11 88	7:01 AM
3	KBAS	1490	AZ					10	10	Sep 20 88	7:05 AM

The above shows my new stations and my "Target List" stations from the begining of the contest thru the reporting date shown on the

report heading. November 25, 1988 is the date that I'm writing this, which shows the current date of this print out. Below is the calculator that I use. There is much more to this than I can print. A large lookup table is out of sight. This table coupled with the use of a few formula can check the frequency and add the proper amount of points for regionals and graveyards then, in a separate section, calculate the level points and the handicap points. Other columns further over on the sheet allow me to score my new loggings (That's the column furthest on the right), s/on's, s/off's, Most Wanted etc. I usually run a new sheet off for myself after every score change. That way I can keep track of which states I need to find suitable substitutes in, in order in increase my score.

File: SHEET Page 1
November 25, 1988

Total	Level	MW	S/on	S/of	New	Handicap
2192	1293	100	170	20	350	259

Stat#1	2 #2	4 #3	6 #4	8 #5	10	New
AB	CBR 1010	CKRD 700	CFRR 660	CJMH 1460	CFAC 960	KRDZ 10
AL	WTAK 1000					KGLO 10
AK						KSWN 10
AR	KARN 920	KVSA 1220	KFDF 1580	KHLT 1010		KBAS 10
AZ	KOOL 960	KOY 550	KBAS 1490	KTAR 620	KVSL 1450	KIOT 10
BC	CKDA 1200	CKXY 1040				KDMN 10
CA	KOIT 1260	KUTY 1470	KABC 790	KIOT 1310	KWKW 1330	KAYS 10
CO	KDEN 1340	KRDO 1240	KFTM 1400	KRYN 1490	KDMN 1450	KDDR 10

Well, what else can a DX'er do that will cut down on time. If your a veri collector like myself, the best is yet to come. The word processing portion of the program just saves tons of time. Most of us type individual reports, but there are certain things that almost always stay the same. Here's a sample of what can be done with a "boilerplate" or "templated" letter.

#1	Date
#2	General Manager Call Radio Street City
Dear Sir,	
#3	I am very pleased to report reception of Call on Date on Freq kHz between TIME1 and TIME2 Zone. I would like to offer the following program details as proof of this reception:
TIME1	#4 Tune into Spot for "Great Moments in Gospel" order 1-800-422-4222
1:52 AM	Promo for Call News and "Weekend" program Sat @ 3:05 and Sun @ 1:30 on Call
1:53 AM	PSA "Your local Food Bank"
1:54 AM	Hear " ?????? Celebration" Saturday Night on Call
TIME2	#6 Appeared to go back into a religious program about the family.
Equipment in use while listening to Call consisted of a Radio Shack Model 12-655 TRF AM receiver with an oversized loop antenna mounted "bedside" for early morning listening before heading to work. By trade I'm a real estate appraiser and have been a BCB DX'er since 1964. Please find enclosed return postage to facilitate your reply.	

If my report is found correct I'd appreciate a verification from Call to add to my collection from over 1200 BCB stations. Also, if available any bumper stickers or station promo items to help decorate my "DX Den". Thank You in advance for your time and consideration in answering this report and helping me with my hobby.

#8
General Manager
Call Radio
Street
City

Let's dissect one of my reception reports. By using Key words, and a simple replacement command (Mine is a key called the "Open Apple" key and the letter "R" pressed simultaneously) you simply type the new data and the letter is adjusted. #1 is "Date" you'll find two of these, I can simply replace one at a time if the report and the reception date aren't the same or if they are I can have the program replace "All". #2 is the inside address, please note also that #8 is the same. Since I use my own letterhead for my reports, I use a single sheet printer. This also allows me to use #8 to print the address on the envelope at the same time. #7 is the new page command that stops the printer and feeds through my letter then, the program waits for me to insert my envelope and tell it to print the address.

#3 is a standard paragraph with the pertinent info for the report. Using the replacement command, Freq & Call are replaced. By replacing all the Call's the two "standard" paragraphs under #6 are completed. Then replace TIME1, TIME2 and Zone. Under # 4 I replace "Case Sensitive Text" (all Caps), So all the AM's can be made PM's or vice versa. TIME1 and TIME2 are already replaced. So I use the overstrike cursor to complete the remainder of my program data. My program has two cursor selections. One simply inserts text and moves the existing text to the right. This is the "Insert" cursor. The other is the "Overstrike" cursor. This erases the text in front of it as you type in new text. When done, I delete the unused entries. If needed I can add more entries in the middle. The TIME2 area just keeps sliding down the page intact. The format of #4 is set up to properly indent all the times and program data. The area at #6 is also available to add any other comments concerning the reception. As I type my new paragraph the other paragraphs just slide down the page. By proofing the letter carefully, the Key words will make sure you remember to send all the needed data. Have you had a negative reply from a station because you left out the Date or Frequency? I have and have found it rather embarrassing to type a new letter and include the proper data. In a related use, the same "templated" letter method is what Jeff Tynan and I use in our current CFC effort. Since the data is mostly just date, time frequency and station address, the speed that they can be produced at is limited primarily by the speed of the printer!

After the letter is done, I assign it a new unique file name and save it on a diskette. KKKKreport. This then is my "carbon copy" just in case KKKK decides not to answer my first report. After a few months have gone by I check my list of recent reports, this is my substitute for a logbook. I do track all the stations I've reported.

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File: LOGBOOK                               Page 1
Report: F/up                                November 25, 1988
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Report#	Call	Freq	Date	Verified	DateF/up
1361	KMIX	1390	Oct 10 88		
1362	WTAK	1000	Oct 18 88		
1363	KOGO	1590	Oct 17 88		
1364	KLLF	1290	Oct 17 88	V/L	
1365	KKLQ	600	Oct 17 88		
1366	KSTA	1000	Oct 19 88		
1367	KVSA	1220	Oct 19 88	V/L	
1368	KDDR	1220	Oct 19 88	V/L	

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I usually ask the report to print all those after a given date where "Verified" is blank. That gives me my working list for

sending out my follow ups. From there I get the report from the file disk and do a very simple edit for my first follow up. Under #6 there is a paragraph that begins "If my report..." , this paragraph is deleted and the one below is inserted using a replace command to change KKKK to the proper call

This is the second report of this reception to KKKK, evidently my first report never arrived or was mislaid. I would appreciate receiving a verification from KKKK radio to add to my collection of over 1200 cards and letters from stations on the Standard Broadcast Band. Thank you in advance for your time and consideration in answering this letter.

Then I simply print the letter and envelope! I make a note in my Report log and wait. If KKKK is really a tough nut, I'll end up with my "method of last resort" a second follow up and a prepared card. One again, I get my letter off the disk and delete the last paragraph then I use this paragraph.

This is the second follow up report of this reception to KKKK, evidently my first two reports never arrived or were mislaid. Please find enclosed a prepared verification card. Although I would prefer a written letter from KKKK, I realize that sometimes this is very difficult for the station staff, I would appreciate it if you could sign the card and drop it in the mail to me, in lieu of a more personal reply.

Thank you for your time and consideration in helping me with my hobby.

From there it's print the letter and send it away with my prepared card and hope that this is what I get back.

CALL Radio
FREQ KHz
CITY

Dear Wayne,

This will verify your reception of Call radio on Freq KHz on Date at Time.

Signed _____

Title _____ Date _____

This gets printed on a standard USPS postcard for inclusion with my report. It definitely is better than most of the other prepared cards that are designed for SW DX'ers.

There are other things that a computer can do for you. Printing your own return address labels or, you can use it when writing to your fellow DX'ers and keep track of who owes who a letter. You can even save your letters so that "on going" dialogs don't get messed up because you forgot "exactly" what you said as opposed to "exactly" what you meant to say! You can use it to write articles for DX NEWS or (heaven forbid!) send a Musing to H.T.!

There are a few drawbacks, one, if you're a veteran DX'er with many records to enter, the conversion can take awhile. I remember back in 1985 entering over 1000 verification records into my database. It took a week of evenings to do. Two, it will cost you a few dollars. Today however, there are used machines available as well as some systems that can be bought for an initial investment of under \$1000.

Some of the other things that I've done that make my computer investment worthwhile in terms of DX'ing include a Multi plan (a different Spreadsheet program for Apple) sheet that will

automatically calculate great circle distances from any known site. It's useful for graveyard statistics. I'm working on a loop heading sheet that will give the bearing from True North that a DX'er should direct his loop for optimum reception of a given station.

My Veri Signer column is totally computerized. The sort features of the program allow me to type in contributions when they arrive. When I have enough contributions for a column I simply instruct my program to sort it. First the calls are sorted alphabetically, then the frequencies are sorted numerically. To edit the column I simply scan the calls to find the duplicates! On a manual typewriter, I had to do all the sorting by frequency and type them in order! I currently maintain a data base of over 2800 verie signers and can also look up when the stations last known signer was submitted. Since Paul has become the publisher and obtained use of a very good printer, the look and readability of the Verie Signers column has improved even over the fine results that Mike Knitter had.

A DX'er who wishes to organize his listening times and create "target lists" can have an absolute field day. Since most data bases will sort by chronological, alphabetical and numerical categories, there is no limit to the organization that can be brought to a DX'er's targetting project.

As Secretary for our local listeners group, I keep track of our 100+ name mailing list and see to it that our annual calendar is typed and published. It takes all of a few hours a year.

Other advantages? There are tons of them. My checkbook has balanced to the penny since 1985! I store complete records of home improvements against the day the IRS may need to know about them. It becomes a snap to keep any record that you used to keep by hand. My filing cabinets are now mostly reading material that I might wish to refer to later. My basement is where the "hard copies" of all my receipts and records go, stored in boxes and cataloged using a computer data base. I also keep track of my political activities using my computer and my varied outside business interests.

All of the above is done with commercially available software. I don't know anything about programming or programming languages. In the early 1980's I found I had less "time" to devote to DX'ing and collecting verifications, but with the help of my computer I now have more "time" to do more things, including "time" at the dials and "time" for collecting verifications.

Radio Roundup ... by Pete Kemp

Commercial AM/FM/TV Station Identification Regulations

Broadcast station identification announcements shall be made:

- (1) At the beginning and ending of each time of operations, and
- (2) Hourly, as close to the hour as feasible, at a natural break in program offerings.

Television broadcast stations may make these announcements visually or aurally.

(b) CONTENT

- (1) Official station identification shall consist of the station's call letters immediately followed by the community or communities specified in its license as the station's location:

PROVIDED, that the name of the licensee or the station's frequency or channel number, or both, as stated on the station's license may be inserted between the call letters and station location. No other insertion is permissible.

- (2) A station may include in its official station identification the name of any additional community or communities, but the community to which the station is licensed must be named first.

Frequency Deviations ... by Raymond F. Cole

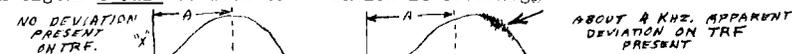
In reply to Paul Sawyer's technical questions concerning apparent frequency deviations, I first must say that he is far from the first to ask some of these questions - altho he does get into them a little deeper than most. These are a complex puzzle.

I am not a hi-tech person, but two radio engineers spent several hours here and have since been of some assistance to me. Also the Missouri State Coordinator of Communications spent five and a half hours here going over every detail. One of the engineers is responsible for the operation of two AM and two FM stations in the area. His parting comment was that this "sure rattled our brains". Yes, a whole lot of unanswered questions.

With my receivers, a Radio Shack TRF 12-656, and a GE 7-2660B, both with completely new dials, plus a magnifying glass and a tuning meter on the TRF, I never have found, as in the case mentioned, any signal except the 1228 deviation of the 1220 station signal. And I have searched for them.

However, when my setup was in operation to automatically mechanically "fan" across a predetermined frequency at set intervals, the Rustrack recorder's chart showed something that no one has yet been able to explain, which may be some sort of important clue - and since the "fan" covered about 15 KHz. it indicates a lack of any other signals also.

"A" equals the recorder timing from the start of a cycle, "X", to where the peak signal should be when no deviation is occurring.



Note the "fuzziness" at arrow. Only extremely occasionally would this appear, and only to a minor degree, at the center of the peak when no deviation was present on the TRF. For this setup a GE 7-2660C is used, and still here as a setup in my shack, but not presently in use. The charts are in my records.

I am sending Mr. Sawyer 17 photocopies of scientific reports on similar or related discoveries which have been sent to me by others in the past 8 months or so. These are findings which I was totally unaware of in Dec., '86, when I discovered this phenomena here - in fact, some of the reports are dated after Dec., '86.

A Russian scientist with the Moscow Academy of Science contacted me from Boulder and again later from NASA in Maryland. He is researching along this line at extremely low frequencies. Because it is not at BC Band frequencies, I am not including a copy of his scientific report.

So, in reply to Mr. Sawyer I must say that I cannot answer his technical questions, and I don't know anyone who really can - yet. But quite a few are gathering clues. A retired chemistry professor in Wisconsin with an R-2000 found and reported similar apparent deviations there, but to a very much lesser degree.

Just recently I have gotten a homebrew receiver in satisfactory operation to monitor, in particular, 2 KHz., thanks to Ken Cornell, editor of "The Low and Medium Frequency Radio Scrapbook". And I suspect I may already be on the track of another small clue, but it is too early to tell for sure.

For the past month or so, apparent deviations have been extremely small, almost non-existent - and there have been virtually no local seismic disturbances, either. However I have found as a matter of experience, and records, that this could change drastically in a matter of hours.

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Copy to Paul B. Sawyer
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P.S. A question of my own - could apparent deviations be caused by an electro-magnetic effect on coils? But not on the ferrites because this discovery was originally made with a Tuggle circuit - a fantastic crystal set with three air core coils.

Radio Roundup ... by Pete Kemp

BROADCAST STATION TOTALS
AS OF JUNE 30, 1988

AM RADIO	4,913
FM RADIO	4,085
FM EDUCATIONAL	1,339
UHF COMMERCIAL TV	501
VHF COMMERCIAL TV	543
UHF EDUCATIONAL TV	215
VHF EDUCATIONAL TV	119
UHF LOW POWER TV	282
VHF LOW POWER TV	106

TOTAL RADIO	10,337
TOTAL TV	1,766

There was an increase of 43 radio and 39 TV & LPTV stations since 3/30/88

Radio Study Claims AM Getting Bum Rap

Chicago — Recent report by McGavren Guild Radio suggests that AM has received a bum rap regarding its ability to deliver listeners.

Study, issued by McGavren Guild's marketing research division, states that despite widespread misconceptions about the band's advertising efficacy, many AM radio stations are major factors in some of the country's largest markets.

In terms of listeners 18-plus, 60% of the No. 1 stations in top 10 markets are AMers, per report, including four of the top five territories: New York, Los Angeles, Chicago and San Francisco. Likewise, when counting audience over the age of 18, 40% of the most-listened-to radio stations in the top 10 markets occupy positions on the AM dial.

Spring Survey Results

All results are based on broad-week AQH figures from Arbitron's spring survey.

Report further illustrates AM's clout by comparing hypothetical 4-week ad buys in selected markets to determine which combination would result in greatest net audience reach: 12 spots on the No. 1 FM station, six spots on both the No. 1 FM and the No. 1 AM outlets, or six spots on both the No. 1 and No. 2 FMers. The AM/FM combination showed a 12% advantage over the FM/FM combo in the top 10 markets and a 22% advantage in the next 10 markets.

"It is a critical mistake to underestimate the value of an AM radio station," the report concludes. "Any buy that does not consider an AM station is leaving itself open for potentially serious reach gaps."

-via Pete Kemp

Soviets quit jamming U.S. radio broadcasts

WASHINGTON (AP) — The Kremlin has shut down thousands of broadcast jamming devices, allowing Radio Liberty and Radio Free Europe to be heard "loud and clear" across the Soviet Union and most of Eastern Europe for the first time in 38 years, government officials said Wednesday.

The Soviet action came so quickly that radio engineers were only becoming aware of it as Secretary of State George Shultz said in a broadcast to Europe Wednesday morning that radio jamming was one area where progress was still needed with the Soviets.

Soviet jamming of Germany's Deutsche Welle and KOL Israel also stopped Tuesday, officials said.

"It's another marker in the Soviet march toward trying to be an acceptable citizen of the world community as against the pariah that they have been," said Charles Z. Wick, U.S. Information Agency director.

Wick said he and other U.S. officials have raised the issue of jamming, which is illegal under international agreements, several times with the Soviets — most recently in a September visit by U.S. broadcasting officials to Moscow.

He said the move was likely timed to coincide with the meeting of Soviet leader Mikhail Gorbachev with President Reagan and President-elect George Bush next week in New York.

The jamming shutoff means that millions of Eastern European and Soviet citizens will hear American and other Western news and analysis in their own languages of events in the Soviet bloc. Voice of America, which has not been jammed anywhere except in Afghanistan since May 1987, focuses more broadly on U.S. and world affairs.

However, jamming was still continuing against Radio Free Europe broadcasts to Czechoslovakia and Bulgaria, said Gene Pell, president of Radio Liberty.

-via Paul Swearingen

Page 174 • 1980 Yearbook Number

Broadcasting 1980 Yearbook
-via Wally Wawro

ABC Talkradio Ray Briem Show - "DX Special"

Saturday, January 7, 1989 - 0806 UTC

Once again, the airwaves come alive with news and views from our panel of DXperts! Join Ray and our guests, Steve Miller of Radio West; Stewart Mackenzie of the American Shortwave Listeners' Club; George Jacobs, world-renowned shortwave engineering consultant; Tom Kneitel, editor of *Popular Communications*; and Larry Magne, publisher of the *Passport to World-Band Radio*. Call in and ask questions, or tell tales about your experiences in any area of DX'ing, whether it's longwave, medium wave, shortwave, utes, FM/TV/VHF/UHF, Microwave (sorry, no ovens included!), or satellite DX'ing. Listeners from outside the Los Angeles area may dial 1-(213) 879-8255 to join in - just let the connection ring, until we answer. Then it's your turn to go on the air, with Ray and the panel. Remember, we want to hear from you! (Starting times may vary - check local stations.)

Prime Affiliates

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WSB-750	WISN-1130	KTAR-620
WKOX-1200	WJNT-1180	KOH-630
WIOD-610	KSTP-1500	KNST-940
WERC-960	WPTF-680	KFIY-1270
WJBO-1150		KTKK-630
KPRC-950		KZIA-FM-101.7 mHz

The Answer Man

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

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