



DX NEWS

The magazine of the
National Radio Club

—SINCE 1933—

Volume 56, No. 25 - Monday, April 24, 1989 (ISSN 0737-1659)

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From the editor ...

This issue is packed with interesting goodies, including a bunch of DX, thanks to many NRC'ers' contributions. The term "silent majority" does not apply to the NRC membership any more! There just wasn't room for several great articles, including a New York call letter history from Bob Harrison.

We've decided to revive the FM DX Digest column, just for the summer months, and thanks to Eric Bueneman for bringing back that column. Although Eric's opening column is in list form, your contributions should be more in paragraph form, more like Musings-with-DX-listings. FM DX Digest will run only in the monthly DXN's, April through September ... and for diehard AM-only fans who may not understand why we're adding an FM column: it is merely an addition, at no extra charge, for your summertime DX interest; we have absolutely no intention of running competition to that fine FM-TV-Utility club, WTFDA. As always, if you have comments in depth about non-AM topics, they should appear in FM DX Digest, not in Musings of the Members.

Conventions ... As I type this, I do not know the outcome of the IRCA election between Topeka and Sacramento for the annual IRCA convention, so I really cannot tell you anything about reservations, etc. **Topeka DXCon '89**, of course, will still be September 1, 2, 3. **ANARC 1989** will be held July 14-17 at St. Petersburg Beach, FL, and host Jeff

Publication Schedule, Volume #56

Issue #	Deadline	Masthead Date
26	May 20	May 29
27	June 17	June 26
28	July 15	July 24
29	August 12	August 21
30	Sept. 16	Sept. 25

DX Test ...

May 1, Monday - 3:30-3:30 am ELT:WZZZ-1300, various programming, including code ID's. V/s: Peter Hunn, Owner - WZZZ Radio - 1300 Radio Park - Lake Shore Road - Fulton, NY 13069. Peter is also looking for copies of old QSL's from the original WZZZ (on 1510 in CT), printed information, and history, plus info on the old WOSC-1300 and WEXT-1550. (Tom Jasinski, and the Colorado CPC Machine)

White already has packed the convention calendar with mega-interesting events. One person scheduled to speak, incidentally, is Dickson Norman, whose construction permit for NDXE was cancelled Feb. 2 by the FCC, and his presentation should be quite ... interesting. We'll have a complete run-down on both conventions in the May DXN.

Merit Badge ... Fred Maia, publisher of the "W5YI Report", sent ANARC's Robert Horvitz further information on the Boy Scout's Merit Badge for shortwave listening accomplishments. It seems that SWL has long been a part of the program but was ignored by

(continued on page twenty-one)

DX Time Machine

From the pages of DX News

Twenty-five years ago ... from April 4, 1964: 16-year-old Dave Schneider, Woodstock, NY logged KFBK-1530 at 3 am 3-23; KSD-1460 at their 1 am s/o; KYSN-1460 at their 2 am s/o; plus KLMS-1480 and KUSD-690. He recommended listening for KENO-1460 at 2:45 am MM for a possible Nevada, just before their s/o ... Maurice W. Nittler, Englewood CO, one of the founders of IRCA, wrote: "If a club's purpose is to send out a bulletin, why don't you call yourselves "subscribers" instead of members?" (He was ahead of his time!)

Ten years ago ... from April 16, 1979: John Callarman, Mt. Vernon, IL, noted: "...Since the Omaha convention in 1959, the Club has been governed under the principle of 'Those who do the work make the decisions!'"

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

AM Switch

Jerry Starr

 c/o WHOT Radio
 4040 Simon Road
 Youngstown, OH 44512-1320

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

CALL LETTER CHANGES

Old call:	New call:	Old call:	New call:
650 WGOR FL Christmas	WORL	1380 WQMI NH Portsmouth	WQQJ
810 WAWB GA Hahira	WXLK	1400 KBLX CA Berkeley	KHFN
940 KADO TX Texarkana	KTWN	1440 KWEZ LA Monroe	KJLO
1050 WRPT NH Peterborough	WMDK	1460 KDON CA Salinas	KZZR
1070 WSUY FL Tallahassee	WANM*	WNVI IN North Vernon	WKKY
1140 KPFD TX Conroe	KSSQ	1490 KOAW NM Ruidoso Downs	KRUI
1150 WTYC SC Rock Hill	WXLF	1500 KHTT CA San Jose	KSJX
1160 WBTC VA Fieldale	WCBX	1510 WSSH MA Boston	WKKU*
1190 WHTO PA Hughesville	WHUM	1520 WKNT OH Kent	WJMP
1200 WMXA IL Chicago	WOPA	1540 KSVZ TX Fort Worth	KSCB
1240 WPLZ VA Petersburg	WGCY	1550 WTHB GA Augusta	WNVA
1260 WHDZ PA Erie	WRIF	KKJO MO Saint Joseph	KSFT
1270 WTNT FL Tallahassee	WYYN*	KKOJ OK Sapulpa	KBLK
1330 WYGO KY Corbin	WKDP	1580 WQQC PR Morovis	WMTI
KVKM TX Monahans	KLBO		
1360 KFIV CA Modesto	KASH		
KZOI CO Johnstown	KHNC		

*Notes on calls: The WSUY/WANM is a change that never took place. WANM was to have moved to 1270 kHz where

WINT was with WSUY becoming the new call on 1070 kHz. This whole deal fell through, these changes never happened. Some confusion over the WSSH calls, really moot now, but note that the 1400 Lawrence/Lowell calls are WLLH. At one time they simulcast WSSH-FM; change your Log accordingly.

APPLICATIONS FOR NEW STATIONS

- 630 HI Princeville: 10000/10000 U3 (note that this was listed by one source as a "grant" which is not correct, also listed incorrectly as being Orange Cove, HA, which is also an error)
- 680 LA Tioga: 800/400 U2
- 780 FL Mulberry: 500/370 U4

COOL 790/KWFM

 P.O. Box 5886
 Tucson, Arizona 85703

GRANTS FOR NEW STATIONS

- 970 MD Hickory Hills: 0/60 N1 (night-only synchronous // WAMD Aberdeen, MD)
- 1600 WA Dungeness: 5000/5000 U3

APPLICATIONS FROM EXISTING FACILITIES

- 540 KDFT TX Ferris: add 220 watts nights
- 650 WORL FL Christmas: reduce day power to 5000 watts (for their 660 kHz CP)
- 740 WLVG MA Cambridge: power to 2500 D3, city of license to Needham, MA
- 750 WNYS NY Canton: night power to 730 watts (CP, not yet on the air)
- 800 CKST BC Langley: powers to 25000/25000 U4
- 830 WGBV GA Lithia Springs: powers to 50000/500 (10000 CH) U4, city of license to Smyrna, GA (CP, not yet on the air)
- 850 WREF CT Ridgefield: power to 5000 watts
- CHVO NF Spaniards Bay: to 560 kHz with 5000/5000 U4
- 880 KUTE CA Desert Hot Springs: powers to 3000/900 U3 (CP not yet on)
- 900 WSEA DE Georgetown: night power to 1000 watts
- 930 WEKO PR Cabo Rojo: night power to 4400 watts
- 1040 WANN WV Green Valley: to 1050 kHz with 1430 watts D1
- 1360 WMNE WI Menomonie: to 880 kHz with 10000/210 U2, cancel application for move to 870 kHz
- 1410 WZAL GA McDonough: power to 2500 watts
- 1470 CKO PQ Point Claire: to 650 kHz with 10000/2500 U4
- 1580 KNIM MO Maryville: day power to 1000 watts
- 1590 WONX IL Evanston: day power to 3500 watts, antenna to U4

GRANTS TO EXISTING FACILITIES

- 540 WGTO FL Cypress Gardens: day power to 50000 watts, antenna to U4, relocate XR, city of license to Pine Hills, FL
- 590 WVLK KY Lexington: night power to 1600 watts
- 760 KJIM CO Thornton: day power to 50000 watts, antenna to U4
- 1010 KXEN MO Festus: add 500 watts nights, antenna to U4, relocate XR
- 1260 WMUU SC Greenville: relocate XR
- 1460 WKAM IN Goshen: day power to 2500 watts
- 1570 KCVR CA Lodi: powers to 5000/500 U4



Box 7248, Spencer, Iowa 51301

OTHERNESS

- 580 KJMM AZ Tucson: silent since 5/88 when owner of XR land refused to renew the lease, has been sold and is expected to return
- 670 WWFE FL Miami: new station is testing on the air
- 680 WJYL KY Newburg: new station is testing on the air
- 830 WADO LA Norco: previously using daytime facilities only, is now on the air fulltime
- 840 WHGH GA Thomasville: new station is ON THE AIR
- KUIP NV Gardnerville: request for extension of CP for new station has been DENIED by the FCC
- 1010 KKGZ CO Brush: silent station is back ON THE AIR
- 1100 *App AZ Sun City: application for new station has been DISMISSED
- 1200 KTCO CA Eureka: unbuilt CP for new station has been sold to new owners so may still eventually get on the air
- KCPC CA Rancho Mirage: ditto KTCO comments above
- 1270 *App MI Lansing: application for new station has been DISMISSED
- 1300 KHUG OR Phoenix: silent station has been bought by owners of KDOV-1230 who will move the KDOV programming/call to this frequency and donate the 1230 facilities to Southern Oregon State College
- 1310 WGKR FL Perry: request for license renewal has been DISMISSED by the FCC, station has reportedly gone SILENT but don't cross it off your Log yet until we investigate further
- 1400 KHTX CA Truckee: station is SILENT
- 1410 KBNP OR Parkrose: silent as KKUL, station is back ON THE AIR and now fulltime
- 1420 WAVO GA Decatur: station is SILENT
- 1460 KZUE OK El Reno: silent station is back ON THE AIR
- 1470 KKVU UT Tremonton: former owners have foreclosed on this silent station and may return it to the air
- 1520 KYND TX Cypress: new station is ON THE AIR
- 1570 WPEP MA Taunton: application for 2000 watts has been DISMISSED
- 1590 WCBG PA Chambersburg: station is SILENT

THANKS to the following NRCers for their contributions to Otherness: DICK TRUAX, ERIC BUENEMAN, JEFF TYNAN, WAYNE HEINEN and BILL COOLEY

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

CITY QUIZ

John S. Bowker, Valparaiso, IN

QUIZ # 27

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?

-----|-----|-----|-----|-----|-----
 620 750 800 1150 1290

Here is a hint: it is one of these: Juneau, New Orleans, Portland
 (The answer will appear at the end of the next City Quiz in DX News.)
 The answer to City Quiz # 26: Chicago

Station Address Changes

Jerry Starr
c/o WHOT Radio
4040 Simon Road
Youngstown, OH 44512-1920

Supplied by NRC members and other sources

590	WFXH GA ATLANTA	360 INTERSTATE NORTH PKWY., SUITE 301	30107	GA	30107
680	WENN GA ATLANTA	210 CNN CENTER	30303	GA	30303
790	CIAD ON BRAMPTON	50 KENNEDY ROAD SOUTH, UNIT 20		ON	
		KENNEDY SHOPPING CENTER L6W 3R7		ON	
		C.P. 970		ON	
810	CJVA NR CARAQUET	Zip code change only - 34641		GA	
820	WRFA FL LARGO	P.O. BOX 1129 21701-1920		FL	
820	WDSI MD FREDERICK	Zip code change only - 23237		MD	
820	WGGM VA CHESTER	P.O. BOX 36868		VA	
830	KFLT AZ TUSCON	4180 SOUTH FEDUS # 1, LAS VEGAS, NV 89121		AZ	
840	KVEG NV LAS VEGAS	P.O. BOX 115		NV	
890	WFKJ PA CASHTOWN	557 WASHINGTON AVENUE 89503		PA	
920	KOLO NV RENO	Correct address is AURORA not PLANO		NV	
930	WAUR SANDWICH	805 PEACHTREE STREET, NE 30309		GA	
970	WNIV GA ATLANTA	P.O. BOX 970		GA	
970	WWDJ NJ HACKENSACK	P.O. BOX FM-103X 29501		NJ	
970	WJMX SC FLORENCE	6420 STRINGFIELD ROAD 35806		SC	
1000	WTAK AL HUNTSVILLE	2400 COTTONDALE LANE 72202		AL	
1010	KHLT AR LITTLE ROCK	303 NORTH INDIAN AVENUE 92262		AR	
1010	KPSL CA PALM SPRINGS	4710 PENNSYLVANIA, KANSAS CITY, MO 64112		CA	
1030	KBEQ MO BLUE SPRINGS	309 CREEKWAY DRIVE		MO	
1080	WKGX NC LENOIR	P.O. BOX 1024 29731-1024		NC	
1150	WYTC SC ROCK HILL	1206 WILMINGTON ROAD		SC	
1200	WRZY PA NEW CASTLE	BOX 2588, ST. GEORGE'S, UT 84770		PA	
1210	KONY UT WASHINGTON	3010 NEW JERSEY AVENUE		UT	
1230	WCMC NJ WILDWOOD	BOX 23569 59104		NJ	
1240	KJUS MT BILLINGS	235 ROUTE 109, P.O. BOX J, LONG ISLAND 11702		MT	
1240	WBAB NY FREEPORT	P.O. BOX 1270 01102-1270		NY	
1270	WSPR MA SPRINGFIELD	BOX 660 69361		MA	
1320	KOLT NE SCOTTSDALE	60 WEST CASTOR PLACE # 1, STATEN ISLAND, NY		NE	
1330	WNYM NY NEW YORK	BOX 270 79756		NY	
1330	KLRO TX MONAHANS	5660 GREENWOOD PLAZA BLVD.		TX	
1340	KDEN CO DENVER	ENGLEWOOD, CO 80111		CO	
1340	WMID NJ ATLANTIC CITY	P.O. BOX 5000		NJ	
1350	WINY CT PUTNAM	P.O. BOX 231		CT	
1350	WSLR OH AKRON	1867 WEST MARKET STREET 44313		OH	
1400	KEDD WA LONGVIEW	1130 14th AVENUE 98632		WA	
1410	WING OH DAYTON	Zip code change only - 45429		OH	
1430	KLO UT OGDEN	385 24th STREET, SUITE 727 84401		UT	
1460	WBET MA BROCKTON	60 MAIN STREET, P.O. BOX 787 02403		MA	
1460	W6NA NY ALBANY	P.O. BOX 1077 12201		NY	
1510	WVHN IL JOLIET	125 NORTH CHICAGO STREET 60431		IL	
1530	KXTD OK WAGONER	301 NORTH WALNUT, BROKEN ARROW, OK 74012		OK	
1540	WMDO MD WHEATON	2401 BLUE RIDGE AVENUE, SUITE 303		MD	
1560	KLNS IA COUNCIL BLUFFS	3851 SOUTH OMAHA BRIDGE ROAD 51501		IA	
1560	WFSP WV KINGWOOD	P.O. BOX 567		WV	
1580	KWYD CO COLORADO SPRINGS	P.O. BOX 5668 80931		CO	
1600	WADS GA AUSTELL	5815 WESTSIDE ROAD, SW 30001		GA	
1610	"TIS" VA CHINCOTEAGUE	P.O. BOX 62 23336 (U.S. Dept. of Interior Fish & Wildlife Service - Chincoteague Wildlife Refuge)		VA	
1610	KID-737 PA CRESSON	P.O. BOX 247 16630 (U.S. Dept. of Interior Nat'l Park Service - Allegheny Portage RR Nat'l Historic Site - Johnstown Flood Memorial)		PA	

ED. NOTE :

In reference to Bob Harrison's letter in which he said WKNX-1210 and WJDI-1600 verie letters were returned (both are FM simulcast), here are the FM addresses

1210	WKNX MI FRANKENMUTH	c/o WGMZ-FM (city of license - Tuscola, MI)		MI	
		306 WEST GENESSEE STREET, FRANKENMUTH, MI 48734			
1600	WJDI VA CHESAPEAKE	c/o WJDI-FM		VA	
		ONE COLUMBUS CENTER, SUITE 824			
		VIRGINIA BEACH, VA 23462			

**** CONTRIBUTORS ****

AR-PD	.. ANDY RUGG, NUN'S ISLAND, PD	BH-NJ	.. BOB HARRISON, UNION, NJ
GHD-WV	.. G. HARLEY DeLEURERE, HENDRICKS, WV	HM-MD	.. HAL HOLBROOK, DUNKIRK, MD
DA-SW	.. OLLE ALM, HARNOSAND, SWEDEN	EB-GA	.. ERIC BUENEMAN, WOODSTOCK, GA
RV-VA	.. ROBT. VANCE, FORT BELVOIR, VA	WH-CO	.. WAYNE HEINEN, AURORA, CO
DX-FIN	.. DXclusive, FINLAND via OLLE ALM		

Domestic DX Digest - East

William Hale

(temporary address)

P. O. Box 289

San Marcos, TX 78667-0289

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

MEDIUM WAVE ramblings

- DDXD-E IS MOVING!! PLEASE READ THIS AND SEND YOUR DX (AND GY STUFF) TO ME AT: P.O. BOX 289, SAN MARCOS, TX 78667-0289 UNTIL FURTHER NOTICE.
- Please use our standard abbreviations when reporting. A lot of those used in SW DXing are not used in MW. If I can't figure out what you saying, I'll leave it out altogether. There have been some beatus lately.
- A Big DDXD-E Welcome to new reporters Jon Ohean of Holden, Mass. and Bill Surrus of Gloucester City, NJ. A long-time DXer, Jon just recently joined the NRC. Bill's been a seaber for a couple of years, and finally found time to report. Here's hoping your association with us will be long and rewarding for both of you.
- Besides blessing us with some "Stereo Lights Lit", via info provided by WJXL-810, Eric Buenneman writes to say that some stations are going to C-Queue these days. It seems that AM Stereo is beginning to catch on. Ford Motor Company is offering C-QUAM as a factory option on the Thunderbird, Bronco II & Cougar in '89, in addition to the LTD Crown Victoria, Taurus, Grand Marquis & Mark VII. General Motors is offering C-QUAM as a factory option on all cars, and is found on Delco radios with the "UT-4" or "UX-1" option codes. Look for "AMST" buttons on those two radios. Chrysler has C-Queue as standard equipment on all North American made Chrysler, Plymouth, Dodge, & Jeep vehicles.
- Along with DX, Shawn Axired of Winnipeg reports a strike at the CBC. Programming is a bit topsy-turvy. The biggest effect is to local programming from sign-on to 9 AM, noon to 2 PM, & 4-6 PM (all local times). A lot of national music programs to fill in. They are keeping the same hours of broadcast time. Shawn was hoping for some late sign-ons and early sign-offs, but no such luck. And Sean notes that CKDM-730 is 24 hrs now with Night Country to 0700. Also, Sunday AM they have Polish or Ukraine religeous programs.

SPECIAL

WTAR/WLTY INC.

720 Boush St., Norfolk, VA 23510

- 570 WTKN FL PINELLAS PARK - 2/13 0206 with nx, wx, report by female; fair signal; ex:WPLP (WPT-DC)
- 790 WPIC PA SHARON - now NSP with 51 watta nights! WYFM (Y-103) with OLD; still pins the meter here even with only 51 watts; a good example of one of the low power night facilities that really has coverage; difficult to detect power change in Sharon itself (Sterrrrr)
- 990 CBW MB WINNIPEG - 3/16 0700 XLNT with nat'l nx, 0714 National Morning Pgs of nx, 0727 local wx & nx+073B, then nat'l sports+0740, then nx pgs; in place of usual information radio forest; 1st day of CBC strike (SA-MB)
- 1100 WWWE OH CLEVELAND - 3/8 1738 good, featuring a KY Classic, an Oldie preceded by a WKYC jx (JO-HA)
- 1200 WHXA IL CHICAGO - 3/18 XLNT with ET, OC & ID; still not on RS yet (RK-IL)
- 1330 WSSY IL EVANSTON - 3/20 1901 full-info sign-off giving powers as 5000 days, 500 PSA & 51 PSSA which wasn't used this day (saybe used only if LSS occurs B4 1800 CLT); log sez U4 5000 500, so I guess this should be changed to D3 5000; the U4 & 500w nites say be a CP or AP (CR-ON)
- 1370 WGHM MI GRAND HAVEN - began fulltime operations on 3/1 using 251 PSSA to 2200, then 23 watts to 2400 sign-off, per stn engineer; simul with FM 82.1 (PLB-MI) [Updates from itea last issue-Ed.]
- 1450 WJBX CT BRIDGEPORT - as of 3/12, still not on the air asking dxing on the channel possible (TF-CT)
- 1510 WKKU MA BOSTON - 3/22 1901 with C&W after WMBT sign-off; sounded autoeated with no DJ, just a canned We're proud to be country, Boston's new WKKU; had Coaches Corner (Bruins) @ 1915; lost to WLAC by 1920; I guess my question about 2 WSSH's is kind of moot now (CR-ON) [This is correct call, per April's DX Audio Service-Ed]

6 WHBT MI JACKSON - 3/7 1710 fair with a long apocalypse ad for Greyhound Rural Connection, over usual daytime channel toppers WLKR/CKOT; played blues, as WJCO; wasn't in long enough to see what format is now; stop the presses! Update: hrd again 3/17, still playing the blues 'til 1801 sign-off (CR-ON)

1520 WJMP OH KENT - 3/15 0845 sign-on on 1st day with new CLS, ex:WKNT; OLD with various non-IDs such as: The new WJMP, Super Oldies 1520 and Akron's new AM (CR-ON)

1550 WCCZ FL NEW SMYRNA BEACH - running AN since at least 3/23

with Sun Radio Net; IDs as: New Smyrna Beach-Edgewater; this guy has turned into a pest (CR-ON)

UNIDs AND UNIDs Id

1060 UNID ?? - 3/4 1830 and later with a cross between AC & UC calling themselves Kiss 97 FM; looped N/S during AU conditions; strong @ times, no ads hrd; not hrd since, so may have been an operator error @ LSS; no sign of KYW (CR-ON)

1070 CHOK ON SARNIA - a good possibility for Wally Nawro's unID of 2/15 (Issue 23); the format & lady DJ fit; I'm about 70 miles south of Sarnia and while this guy used to have a mediocre signal at nite, they now come in like they're running ND (CR-ON)

1200 CFGO ON OTTAWA - is definitely Harold Frogge's unID of 2/18 (see Issue 24) as they ID as Energy 1200; I've never heard them use a callsign yet (SA-MB)

CFGO ON OTTAWA - is probably Harold Frogge's unID of 2/18; definitely their slogan, and in several receptions of this season, I've never heard their ID (DS-WI) [Guess that does it Harold!-Ed.]

1250 W??? ?? - 2/27 0100 weak signal with CLS I thought were WEZR or something like that; noted sign-off, but too weak to understand (WAW-MA)

1260 WCRG?? ?? - 3/1 1903 on top ending CNN Nx followed by WCRG- (singing) The Oldies Channel+One Fine Day by the Chiffons, then power cut; I suspect WCRT-AL, but I replayed the tape a dozen times times filtered a dozen ways and it always came out WCRG; anyone know of a CL change here? (CR-ON)

1330 W?CN ?? - 3/18 2300 weak, behind WNYM/others with ID @ :00, only caught the end as CN, Talkline Communications Network Radio, America's #1 Network+nx and lost (WAW-MA)

1340 UNID ?? - 3/10 0843 poor with C&W ex, temp as 45', DQI ID; looped S & W; faded @ 0855 with more C&W ex (SA-MB)

1400 UNID ?? - 3/5 0038 poor with Morning, ?, (Q or U?) [Probably Noon-Ed.] and night 103 ID sung by female; also possible QS or US IDs; possible OLD (SA-MB)

UNID - 3/15 0530 good with mix of new and OLD light rock; ID: 14 KK (or A) IN?? sung by group; horns before ID (SA-MB)

UNID ?? - 3/25 0559 poor with Starry Starry Night, 2 beeps for a satellite link(?) & The Sun Radio Hour on 1400 K (SA-MB)

1450 UNID ?? - 3/3 0843 TC given as 3:43, wx reports, ad for ? Conservation Dealer in Wells & (Holiday?). then faded; poor (SA-MB)

UNID ?? - 3/23 0615 poor with C&W ex, 14 KB (or D)W wx+the 70's that day, CST time given, also sentd KRKD for a BKB game (SA-MB)

1500 UNID ?? - 2/17 2035 with AM 1500, W222, join us each day, every day, fix your dial on 1500 Christian AM+nx; sounds like WMGB or WMGD, WNGD or WNGE? Help! (BB-NJ)

1550 UNID ?? - 3/30 0850 good with CLA ex, no ID @ :00; ex+fade @ 0710; looped S&W; not CBE (SA-MB)

1560 UNID ?? - 3/10 0701 poor, with TT heard 0701-0709 under KKAA. but couldn't hear ID, if any given (SA-MB)

1580 UNID ?? - 3/25 0608 all alone with UC and using CST; black DJ was playing ten in a row; between a couple of songs, a canned non-ID by female said: The music leader, on AM 3 2-16; even the format differs from Log, I think KX22 is a good bet; KANE was knockin' 'em dead on 1240 a few minutes earlier indicating an opening to southern Louisiana; faded during song #9, leaving channel completely dead (CR-ON)

WPNO MS PASCAGOULA - is Fred Vobbe's unID of 2/18 (see Issue 24); I hrd K-99, so called the stn, and after mentioning what Fred reported, DJ confirmed it was they with K-99 slogan and All-request Saturday Night (BB-NJ)

DX/EQUIPMENT TESTS

850 WRMK OH CLEVELAND - 3/23 off from at least 0110 with occ OC; returned @ 0240 with no sign-on or ID of any kind, just started playing a record like nothing had happened (CK-ON)

970 WWDJ NJ HACKENSACK - 3/11 0648-0657 noted alternating between completely off & OC; quick sign-on @ 0657 with no explanation (BH-NJ)

1160 WCCS PA HOMER CITY - 3/11 0058 with TTs; strong noted ID @ 0106 as: This is WCCS Homer City, PA conducting tests; TTs with some piano mx noted here & there; 1st time logged here (WAW-MA)

TIS & OTHER

1610 TIS OH TOLEDO - 3/21 1631 with what sounded like shopping info; stronger than TIS @ ClevelandHopkins but not nearly as readable; only full sentence I could make out was Welcome to Toledo!; all anncts given by woman (CR-ON)



STEREO LIGHTS LIT

600 WMT IA CEDAR RAPIDS - now C-Quam (EB-GA)

690 WAPE FL JACKSONVILLE - now C-Quam (EB-GA)

860 WSON KY HENDERSON - now C-Quam (EB-GA)

870 WQRX AL VALLEY HEAD - now C-Quam (EB-GA)

1010 WINS NY NEW YORK - now C-Quam (EB-GA)

1020 KDKA PA PITTSBURGH - now C-Quam (EB-GA)

1060 KYW PA PHILADELPHIA - now C-Quam (EB-GA)

1590 WZRX MS JACKSON - now C-Quam (EB-GA)

BROADCAST HOUSE
4th and O Streets

MIDNIGHT TO MIDDAY

540 WWCS PA CANONSBURG - 3/8 0103 WWCS Canonsburg ID with CLA mx; very poor, mixing WYNN; local WRIC off (BES-VA)

560 WQAM FL MIAMI - 3/3 0351 fair over WHBQ with C&W ex, 560 WQAM non-ID (EB-GA)

610 WIP PA PHILADELPHIA - 3/22 0229 fair under WDAF with LK (guest was Harry Caray) [Yeah, SUPER show-Ed] ID: All-Sports Radio, WIP @ net break; PA #5 (RD-IA)

620 WVMT VT BURLINGTON - 3/8 0157 with Larry King and MBS ID; ad for Yellow Checker Cab & full ID @ 0159 before nx; faded up from the mist & returned there soon after; VT #1! (AM-PA)

640 KFI CA LOS ANGELES - 4/1 0551 ID, talk show with talk about other L.A. radio stations... somebody was poking fun at another station: Give us 22 minutes and we'll give you Guns & Roses! fair (NJW-MI)

690 KEYR NE TERRYTOWN - 3/1 0836-45 good with OLD from Neil Sedaka, CCR, & John Lennon+HST TC & ad for Dairy King in Scottsbluff; XLNT cx on this morning+western Dakotas, western Nebraska & western Kansas, as KOLY-1300, KLOE-730 & KVSH-940 were also in well (RD-IA)

750 KMMJ NE GRAND ISLAND - 3/11 0700 sign-on, no SSB or sign-on info, just 75-Country & KMMJ non-IDs (SA-MB)

KOAL UT PRICE - 3/11 0855 fair with IRN; ID @ :00 as AM-750, 10000 watts, 24 hours, KOAL, Price; fair (SA-MB)

770 WLWL NC ROCKINGHAM - 3/8 0859 out of the same long enuf for a wx 4Cast & ID, then+UPI Nx; mixing with WABC/WAIS/WYRV/WOQQ/WVNN (sign-on), all of which took turns on top and I couldn't be selective because loop had to stay nulled on local WJR or nothing would have gotten thru; is 770 a new channel class...the clear GY? (CR-ON)

WYRV VA CEDAR BLUFF - 3/2 0658 with C&W ex & We wanna hear from you. At the heart of the country, WYRV; legal ID & MBS Nx @ 0700 followed by ad for H&R Block in Richlands+inspirational song of the day; over a fading WABC with WJR nulled; also 3/8 with 0645 sign-on with sung SSB (CR-ON)

820 WIQT NY HORSEHEADS - 3/8 0630 briefly over WBAP/CHAM & CKLW sloop with TC & temp: It's 9 in Horseheads+local nx (CR-ON)

850 WNIS VA NORFOLK - 3/23 0159 fair with KOA nulled & under WRMR DC ending Larry King segment; ad for China Garden restaurant followed by legal ID & NBC Nx is next. Your information station, Radio 850, WNIS, Norfolk. The time at the tone, 2 O'Clock; also hrd WKIX ID @ same time, think it had LK, too; updated Log shows this @ Portsmouth but apparently the move to 850 also moved them to Norfolk (CR-ON)

890 KQLX ND LISBON - 3/1 0701 with net'l wx followed by wx for the Dakotas+ad cluster for businesses in Lisbon, Valley City & Milnor aimed @ farmers; was really doing a nice job on WLS who was a poor 2nd; no PSA listed but apparently they have one (CR-ON)

910 WGBI PA SCRANTON - 3/11 0710 fair, with nx, sps; with WGBI (LMc-NY)

WSBA PA YORK - 3/11 0650 fair with PSA for local Red Cross, Hardees ad (LMc-NY)

KJJQ SD VOLGA - 3/28 0820 poor with AC ex, CLS; under WSUI (SA-MB)

920 KYST TX TEXAS CITY - 3/18 0830 on top with instrumentals & EZL SS vocals; female DJ speaking mostly SS but some EE mixed, ie: KYST it's a very good morning; whenever CL were given, it was in EE; TX #145 (CR-ON)

8 930 WRVC WV HUNTINGTON - 3/10 0705 with WEOL nulled, had nx followed by
 annct The Tri-States news leader is 93.7 WRVC, backjumble (CR-
 ON)

940 WKGH VA SMITHFIELD - 2/25 0705 atop with wx, icy roads warnings, REL mx
 (LMC-NY)

950 WQBE WV CHARLESTON - 3/8 0713 good with WWJ nulled with Randy Travis &
 Lacey J. Dalton songs, This Day In History, Birthdays & wx; always
 used full call when talking about themselves, (cbs not apparently
 used as a slogan (CR-ON)

970 WYNZ ME PORTLAND - 3/11 0817-0845 very good @ times with WWJ off/OC;
 NOS mx, friendly DJ with CBS nx ment, local ads, 97 WYNZ slogan
 (BH-NJ)

WCHN NY NORWICH - 3/11 0548-0810 fair with OLD, NBC Nx, local nx & ads,
 Solid Gold CHN AM 97 slogan (BH-NJ)

980 WYAT LA NEW ORLEANS - 4/2 0417-0602 various OLD by John Lennon, Rolling
 Stones, Animals; female annct; ID @ 0500; poor with a Latin (NJW-
 MI)

1010 KDJW TX AMARILLO - 3/18 0835 briefly over CFRB with partial annct hrd:..
 ..in the Southwest. That's weekdays @ 12 noon ..static.. on the
 new ?country? ..static.. KDJW Am & FM (CR-ON)

1050 WTSJ OH CINCINNATI - 3/10 0758 good with WPZA nulled ending Word for
 the Day REL pgn+nx headlines 'til :00 legal ID followed by Insight
 For Living REL pgn; 1st time hrd since WZIP days, tho I've tried
 often enuf (CR-ON)

1060 WHFB MI BENTON HARBOR - 4/1 0602 local nx read by René; 0607 NBC-TV ad;
 fair with Mexican (Radio Educacion) (NJW-MI)

1070 KKZR TX HOUSTON - 3/27 0213 good with ID & promo for upcoming
Cinderella concert @ the Summit+2-Rock off the bird; Houston #5
 (RD-IA)

CHOK ON SARNIA - 3/11 0133 good signal with C&W mx, non-ID:1070 CHOK
 (WAW-MA)

1080 WDJX KY LOUISVILLE - 4/1 0528 with CHR by REM & Debbie Gibson, female
 with 99.7 WDJX non-IDs; poor with WTIC (NJW-MI)

1110 WHMX OH XENIA - 3/18 0846 over WBT and under CKTY OC with sign-on with no SSB;
 only there for a minute when CKTY came blasting back; seems an ice storm was
 giving them trouble; WXYT-1270 also had problems this morning with power out @
 studios @ was OC only & CKLW-800 off a few minutes too, because they couldn't
 switch to day pattern, so went back to night array (CR-ON)

1130 KWKH LA SHREVEPORT - 3/11 0747 strong with KWKH Sports Roundup+C&W mx;
 all above the frequency (SA-MB)

1170 KSTT IA DAVENPORT - 3/19 0810 strong with 97-X IDs, ROK mx; female DJ;
 all alone (SA-MB)

1210 KONY UT WASHINGTON - 3/4 0720 0720 poor with C&W mx, Kony Country non-
 ID; fade up over KLDI; new; UT #17 (SA-MB)

1220 CJRL ON KENORA - 3/10 0645 good with OC+0868, then sign-on info; no Oh,
 Canada (SA-MB)

1230 KFJB IA MARSHALLTOWN - 3/3 0640 fair with ads for local merchants &
 several KFJB IDs; over usual KTRF pest (SA-MB)

KWIX MO MOBERLY - 3/11 0820 strong with mx by Ray Orbison, yes, the
 annct called him Ray 4 times [not much of an annct!-Ed.], wx, TC &
 Kwicks slogans; new sign-on?? (SA-MB)

WDJO OH CINCINNATI - 2/28 0316 briefly on top with ads for Head &
 Shoulders shampoo & Josephine's Post-Meectomy Shop+California
Dreamin' by Mamas & Papas (CR-ON)

KKFN SD SIOUX FALLS - 3/19 0818 fair with OLD mx, wx, several KKFN,
 Sioux Falls Music Radio, KKFN SIDs (SA-MB)

1260 WDVA VA DANVILLE - 2/27 0022 fair+poor reception due to WTAE; noted
 non-ID:1250 WDVA; not sure if C&W mx or Best of King, as stations
 got jumbled up; lost @ 0100 (WAW-MA)

1270 KESS TX FT WORTH - 3/17 0640 good with WXYT nulled with lively SS vocals & ads
 mentg Dallas; only EE hrd was legal ID @ 0800 mixing with WLK sign-on & DJ
 saying at one point Be happy, don't worry, be happy, ha ha ha; the ha ha ha may
 have been in SS, it's hard to tell (CR-ON)

1300 WRXR SC AIKEN - 3/13 0353 just under WERE with nx when WKXI came up
 from a deep fade to cover both; add another to the AN list; SC #70
 (CR-ON)

1320 WCVG KY COVINGTON - 3/11 0601 briefly atop WOBL with non-IDs 1320 WCVG
 is the Elvis stn & You're listening to Cincinnati's Elvis Stn,
 WCVG (CR-ON)

1330 KWLO IA WATERLOO - 3/22 0545 in & out with AC and sung non-ID 1330-KWLO
 with the frequency sung by a male and CL by a female chorus; IA #6
 (CR-ON)

1340 KQIL CO GRAND JUNCTION - 3/23 0558 good with C&W mx; Good morning,
 you've got on your award-winning nx authority, 1340, KQIL, Grand
 Junction, 40' @ 4 O'Clock; listed on 1370 in NRC Log (SA-MB) [Yes
 it is, but see Otherness in AM Switch column, Issue 23-Ed.]

WPBR FL PALM BEACH - 3/13 0130 under WROD's MoYL with promo for a rock
 concert at an upcoming Miami Heat game (CR-ON)

KTOQ SD RAPID CITY - 3/? 0530 good with C&W mx, 24 hours-a-day, 7-days-
 a-week we are Q-Country, KTOQ (SA-MB)

1380 WNNJ NJ NEWTON - 2/18 0852 briefly over WDRC with wx, ID (LMC-NY)

1380 WFNS CT HARTFORD - 3/5 0100 with BRN Nx; pgn on business; show called Ways &
 Means Committee's Money Corner; 0100 ID:WFNS 1380 Hartford, also ID as:WFNS,
 Hartford's Financial News Network; I thought this changed to WFLK, but I heard
 WFNS for sure? (WAW-MA)

KGLD MO ST LOUIS - 3/13 0216 on top with Edwin Starr's War followed by
 non-ID When you hear oldies in St Louis, you're listening to 1380
 K-Gold+Bobby Darin's Mack The Knife (CR-ON)

1400 KVFD IA FT DODGE - 3/3 0827 good with sign-on incl SSB+MBS Nx @ 0830;
 possible new sign-on time? [Or the DJ overslept?-Ed.] (SA-MB)

KAYS KS HAYS - 3/21 0844 good with C&W mx (D. Parton, K. Rogers), local
 wx, CLs (SA-MB)

KSIM MO SIKESTON - 3/25 0100 poor with sign-off (RK-IL)

KBRB NE AINSWORTH - 3/20 0855 fair with UPI Nx; 0857 local wx & non-ID;
 Home-grown Country is KBRB (SA-MB)

WKPT TN KINGSPORT - 2/28 0145 fair+poor in mess with EZL mx with WKTP-
 1590 (see 1590 logging) (EB-GA)

WRJN WI RACINE - 3/16 0100 good with sign-off; all alone, this one
 usually only heard days (RK-IL)

1430 WCHY IL OTTAWA - 3/14 0700 all alone with sign-on (RK-IL)

1450 WEZR IN FT WAYNE - 3/29 0810 good with WLEC nulled with wx followed by
 promo the Al McGuire At-Large Sport Show through Saturday @ 8:55
 here on WEZR (CR-ON)

KWHW OK ALTUS - 3/23 0828 fair with C&W mx & It's 5:30 @ 1450, KWHW;
 must be 24 hrs or sign-on earlier than listed [That's how listings
 in the log are made...from reports like yours-Ed.] (SA-MB)

1480 WISL PA SHAMOKIN - 2/9 0300 fair with legal ID:You're
 listening to Whistle Radio, WISL, Shamokin (LMC-NY)

1490 WGCH CT GREENWICH - 2/18 0640 briefly over WKNY/WCSS with ...it's 6:40
 at WGCH, good morning; song Yes, I'm Ready (LMC-NY)

KUGR WY GREEN RIVER - 3/20 0703 good with MBS Nx, local wx @ 0705, non
 ID @ 0707:1490 AM, cable FM 101.5 KUGR (SA-MB)

1500 WKIZt FL KEY WEST - 3/13 0157 all alone, but weak with OLD; had Yellow River by
Christie, then ID sounding like WKIZ, but didn't hear city mentioned; also had
 promo saying something about a great way to start your day was with doo-wop &
Paul Harvey; used EST; CBS Nx @ 0200; WKIZ not listed as AN, but seems the most
 likely candidate; would have done OK, except for 1490/1510 splash
 (CR-ON)

1510 KDKO CO DENVER - 3/21 0700 strong with Good Morning Gospel Pgm; CLs &
 Denver's new power source, the new Power 1510, KDKO (SA-MB)

1540 WHDO MD WHEATON - 3/4 0818 poor with sign-on in EE followed by SS sign-on
 annct; SS slogan sounded like R. Mundo, mentg 5000 watts , so it seems that CP
 is on but may also have a CH power because it sure was weak (CR-ON)

1550 WRHC FL CORAL GABLES - 3/4 0200 fair after WAMA sign-off with WRMC
 Coral Gables-Miami legal ID, Latino mx, noticias (Nx in SS)
 (EB-GA)

WAMA FL TAMPA - 3/4 0159 good, topping channel with 52 watts with sign-
 off in SS, Radio Hit non-IDs (EB-GA)

WCSJ IL MORRIS - 4/2 0400-0600 with Jim Bohannon, 0459 ad for Tree
 Surgeon in Seneca; ID:You're listening to 1550 WCSJ in Morris;
 MBS Nx; poor+fair (NJW-MI)

CBE ON WINDSOR - 3/9 0110 sign-off after nx & wx with ment of CBC, Broadcast
 from Windsor @ 1550 on the AM dial, broadcast simultaneously on various FM
 stations & another day of info & entertainment @ 0500, this is Hugh ? wishing
 you a good night folo by Oh, Canada; poor with heavy GRM (BES-VA)

1560 WINV FL INVERNESS - 3/11 0803 in a mess with legal ID:This is uon ?
 Redwater here on AM 1560 WINV, Inverness; then they & 2 other stns
 all started a record simultaneously, so couldn't tell who was who
 (CR-ON)

WCHD MD PLATA - 3/7 0550 poor under WQXR with snow emergency b'cast;
 ments of closings in Charles & Calvert Cpounties; lost to
 WQXR/WFSP @ 0800 (CR-ON)

1580 KNIX AZ TEMPE - 3/2 0658 fair with 500 Miles by Bobby Bare wrappin' up 54 minutes
 of Arizona's best country this hour...on KNIX followed by a PSA for a baby
 pageant benefitting the Arizona Special Olympics; unu but still kind of rare as
 is everything Mountain or Pacific time zones except for KOA (CR-ON)

WTCL FL CHATTAHOOCHEE - 3/18 0701 barely on top with ID:Christian R. for the
 Tri-State Area, WTCL Chattahoochie; then female DJ with a mild southern accent
 saying they were still experiencing technical difficulties and would continue
 with recorded mx; FL #140 [You sure 140?-Ed] (CR-ON)

1590 KVGB KS GREAT BEND - 3/23 0852 fair with C&W mx, local ads, 1590 & K-
 104 non-IDs; maybe 24 hrs now?? or new sign-on time (SA-MB)

WHPY NC CLAYTON - 2/11 0800 stop briefly with legal ID mentioning
 Clayton, Smithfield, Raleigh plus another town drowned out by
 static (LMC-NY)

WPLW PA CARNEGIE - 3/1 0835 with wx given by a very young-sounding
 female DJ:It's 25' @ the airport & 26' here @ WPLW; WAKR then took
 over (CR-ON)

WKTP TN JONESBORO - 2/28 0145 fair with WAKR with EZL mx, WKPT non-IDs @ breaks; better than their 1400 outlet; 2 radios were going for these unique catches! (EB-GA) (Now THAT'S Stereo!-Ed.)
 1600 WBBB WV WHEELING - 2/23 0013 with BBD mx, ID by DJ, ment of Martin's Ferry; ex:WNEU/WZNM; good (WPT-DC)

MIDDAY TO MIDNIGHT

570 KGRT NM LAS VEGAS - 3/9 1951 good is WMAX null with mx by K.T. Oglin+K-Great 57 non-ID & ad for mobile home dealership in Las Cruces (RD-IA)
 600 WCAO MD BALTIMORE - 3/8 with Dorito's ad (Don't worry, we'll make more) & mx by Roger Miller @ 1853; beautiful jx ID @ 1856; fair (AM-PA)
 610 KZSS NM ALBUQUERQUE - 3/9 2003 fair in WDAF null with reggae mx+ID: The Psychedelic Supper on 94.1 FM & 610 AM, KZRR & KZSS, Albuquerque+mx by The Moody Blues (RD-IA)
 630 KXOK MO ST LOUIS - 3/5 2226 with talk about the C&O Railroad; Campbell's ad @ CLS; weak ? there (AM-PA)
 680 WVAL MN SAUK RAPIDS - 3/1 1848 well over WFAN with light OLD & ads for St Cloud biznesses The Haircut Company & Northwest Cleaning (CR-ON)
 880 WCNN GA NORTH ATLANTA - 3/7 1837 good over usual tough guys CFTR/WPTF with mx, Kelley Girl ad, traffic report; last hrd as WRNG (CR-ON)
 KFEQ MO ST JOSEPH - 3/15 1943-1948 XLNT with Say You Love Me by Fleetwood Mac (on a C&W stn-hi!)+68 KFEQ non-ID, ad for Century 21 & mx by Ronnie Millsap & Eddie Rabbitt (RD-IA)
 WRVR TN MEMPHIS - 3/4 1859 XLNT and all alone with 68 Gold, WRVR, Memphis. All your favorites from the 50s, 60s & 70s. We're Memphis' oldies stn, 68 Gold+Paul Simon's Kodachrome; vanished @ 1901 with pattern/power change leaving CFTR on top; re-emerged #7 seconds later but barely audible (CR-ON)
 730 CKAC PQ MONTREAL - 3/8 1911 with FF POP mx & IDs; I listen to practice my FF; good, with some QRM (AM-PA)
 790 WEAQ WI EAU CLAIRE - 3/27 1800 poor with CNN Nx, Wis Tourisn ad, WEAQ Wx+Eau Claire local nx (DS-WI)
 820 WRFA FL LARGO - 3/7 1825 good, about even with WOSU with REL mx & anct preceded by a musical fanfare: This is 820, WRFA, reminding you that peace is found only in Jesus Christ; format change from Log; tried for this many times, but living next door to CKLW, even 50kw can be tough (CR-ON)
 880 WAEC GA ATLANTA - 3/10 1828 with CJBC nulled and under WRMR splash with a call-in thing called The WAEC Sports Quiz (CR-ON)
 870 KAAK MO BETHANY - 3/11 1820 good with WML nulled with Jefferson vs Morrisville HS BKB; ads for Northwestern Missouri State Univ in Marysville, also for businesses in Conception & Ravenwood; non-IDs as Can; good, steady signal for the 25 minutes I listened; may be lkw now (CR-ON)
 970 KCFO OK TULSA - 3/12 1824 on top with promo for the KCFO Fall Devotion Cruise, reservations taken @ 1-800-247-1899, then promo for Back to the Bible, 7:30 AM weekdays on KCFO; OK #40 (CR-ON)
 990 WEEB NC SOUTHERN PINES - 3/11 2045 PSA+T40 mx, then sign-off @ 2359; WEEB Radio, serving Southern Pines, Springhurst, Aberdeen, NC now concludes another broadcast day, owned & operated by Richardson B'casting Group; PSA, day, PSSA powers ments; 0600-2400 schedule; mixing heavy @ times with WIVK/WVCH (MI-nice catch!-Ed.); WVCH ID caught @ :00, seconds after WEEB sign-off very faint in WIVK fade; what a mess!! not a 1st-timer, but is an occasional pest to a usually stout WIVK; been trying for some time for a positive ID on this one! Log sez daytime, not so! (BES-VA)
 1010 WYST MD BALTIMORE - 3/8 1731 good with CFRB nulled with I want to Walk You Home by Fats Domino+a short break for anct that WYST's Sports Talk was moving to a new time beginning the following Monday...but a burst of noise covered the rest so I didn't hear the new time+Jimmy Jones' Good Timing (CR-ON)
 1050 WQWH WI KAUKAUNA - 3/27 1805 poor with OLD, WQWH AM 1050 non-ID (DS-WI)
 1110 WBT NC CHARLOTTE - 3/8 2133 with IDs, State Farm ad, & the Hello, Henry pgs (ranks right up there with Mr. Ed); good signal (AM-PA)
 1140 KNEI IA WAUKON - 3/27 1800 poor with local Waukon ads including Shakey's Pizza @ 588-2084; wx @ Broadcast Park, 16 past 5 TC+C&W mx (DS-WI)
 WRVA VA RICHMOND - 3/8 2152 with ads, IDs & Viewpoint pgs; quite interesting...almost like having Morton Downey, Jr on AM; fair (AM-PA)
 1150 CJRC ON OTTAWA - 3/2 2030-2100 XLNT in FF with ROK, talk; no QRM; WHEX faded in only once (JO-MA*)
 1180 WCCS PA HOMER CITY - 3/2 1747-1751 good with OLD, promo for Homer City HS Wildcats BKB; Follow the Wildcats on WCCS; ad for Club 319 Fitness Center, local nx headlines (JO-MA)
 WYNS PA LEHIGHTON - 3/3 1743-1753 & 1756 fair with Allentown/Bethlees traffic report, OLD, ads for DuPont Stainmaster carpet sale & a funeral home holding an open house, local nx story about water conservation (JO-MA)

1190 WAJL FL PINE CASTLE-SKY LAKE - 3/5 1813 with wx for Orlando area; And right now it's partly sunny & 83+Your stn for Christian mx ministry, WAJL very good with WOWO nulled; CP may be on (CR-ON)
 1200 WAGE VA LEESBURG - 3/8 2208 caught the end of MBS Nx, full ID+soul mx; some WOAI slop, but otherwise good (AM-PA)
 1220 WXCT CT HAMDEN - 3/10 2038 with OLDies, many IDs, including one SID @ 2059 by chorus; ex:WNNR; doesn't sound much different; no sign of WGAR at all; fair+good signal (WAW-MA)
 1270 WRJC WI HAUSTON - 3/27 1825 poor with WRJC Sports (DS-WI)
 1290 WHKY NC HICKORY - 3/10 1800 good with legal ID, nx from the North Carolina News Network (LMC-NY)
 1300 WING NY EWING - 3/29 2100 ment of Delaware Valley after ID; fair+good (WPT-DC)
 WSYD NC MOUNT AIRY - 2/8 2028 with stained-glass bluegrass, mention of church in Mt Airy; fair+XLNT; dog-fighting WFBR/others (WPT-DC)
 WRXR SC AIKEN - 2/15 2239 with T40 mx, RXR, Augusta's Best Rock; good atop WFBR, then faded out (WPT-DC)
 1320 WQIK FL JACKSONVILLE - 2/20 1800 ID, nx, promo for Talkradio; ex:WVOJ; fair+good (WPT-DC)
 WKAN IL KANKAKEE - 3/14 1858 ment of Sounds of the 40s, 50s & 60s after ID by DJ (WPT-DC)
 1330 WNYM NY NEW YORK - 3/18 2300 fair with ID @ :00 WNYM 1330 New York; too much QRM to hear such (WAW-MA)
 WEYZ PA ERIE - 3/18 2359 briefly on top with legal ID: John Gallagher, late afternoons from 3 to 7 on WEYZ, Erie+ABC Nx; lat time hrd since switch from 1450 (CR-ON)
 1350 WGAD AL GADSDEN - 2/28 2023 good+fair over WSLR with ROK Oldies, wx 4Cast (EB-GA)
 WCBA NY CORNING - 2/25 1700 fair under WJNY with legal ID, AP Network Nx (LMC-NY)
 1380 WLKB IL DE KALB - 3/27 1829 poor with Nat'l Bank & Trust of Sycamore ad, WLKB DeKalb/Sycamore ID @ 1829 (DS-WI)
 1370 WKIK MD LEONARDTOWN - 3/14 2105 C&W mx, ID, network nx by female; fair (WPT-DC)
 WPAZ PA POTTSTOWN - 2/17 1702 local nx & sps, ABC Newsbrief; fair, mixing with WELV/WBTN (LMC-NY)
 WKSH WI SUSSEX - 3/27 1831 under KDTH with stn address for contest+REL pgs; address given was Box 28274, Wauwatosa, WI 53226, which is different than from Log (DS-WI)
 1390 KCLN IA CLINTON - 3/27 1831 from market report to American Fisherman, Fish America Foundation PSA, ad for stn coloring book (address as in Log), then Sun Radio Network talk (DS-WI)
 WFMJ OH YOUNGSTOWN - 2/24 1748 atop with sps, promo for upcoming sports event, song by Nat King Cole (LMC-NY)
 1400 WRJN WI RACINE - 3/27 1833 poor with WRDB nulled with PSA for special event @ hospital on Wisconsin Avenue, then Wis Nx, with several WRJN ments (DS-WI)
 1410 WQBQ FL LEESBURG - 3/15 1845 all alone with PSA for Cops & Kids Day @ the Lake County Fair Grounds+tele-talk with Bob Green taking calls @ 787-8255 (CR-ON)
 1440 KETX TX LIVINGSTON - 3/9 1927-1931 fair with Kokomo by The Beach Boys+sign-off with FM invite (RD-IA)
 1450 WILM DE WILMINGTON - 2/27 2042-2105 with sps, ski report, frequent TCs, ads, CBS Nx; atop the pack; varie back in a week from the P.M., a DXer (TF-CT)
 WFPG NJ ATLANTIC CITY - 3/12 1745-1803 atop with talk show, promo for nx tips, call 348-NEWS, best call of the week wins cash; CBS Nx @ 1800 (TF-CT)
 1470 WJDY MD SALISBURY - 3/7 2100-2120 with R&B mx; atop frequency, not bad for low power! (TF-CT)
 1490 KBOL CO BOULDER - 3/5 2358 fair with Radio Theater pgs of BBD mx; ID @ :00 as AM-1490, KBOL, Boulder+ABC Nx; new, CO #45 (SA-MB)
 1510 WXXV PA MONROEVILLE - 2/28 1804 all alone with tailend of late sign-off ments 250 watts, so CP isn't on yet (CR-ON)
 1520 WLUV IL LOVES PARK - 3/27 1845 fair with C&W mx, frequent non-IDs as FM 96.7; talk with Rockford ments @ 1845 (DS-WI)
 1550 WCXJ PA BRADDOCK - 2/28 1754 with CBE nulled saying Pittsburgh's Amazing AM, 1550, WCXJ; sounded UC; 1800 gave CLS & disappeared; either a quick illegal sign-off or power cut; was mixing with WKBA who signed off @ 1802 ments that tomorrow (3/1) they would be on from 0830 to 1830, so it appears they don't use PSA, PSSA or nite powers (CR-ON)
 1580 WEAM GA COLUMBUS - 3/10 2355 poor+fair with black preacher over/under CBJ; sign-off @ 2359 gave frequency as 1580 megahertz and sign-on @ 0800; 1st time hrd with this call; was an AN pest in WCLS days (CR-ON)
 1600 WHOL PA ALLENTOWN - 2/11 1707 good over WRRL/WIXY with REL talk, mx by Amy Grant; slogan: The best in contemporary Christian mx (LMC-NY)

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REPORTERS:

WPT-DC Bill Townsend//Washington, DC//ICF-2010; **Realistic Patrolman CB-8
 LNC-NY Laura McCusker//Ravenna, NY//
 PLB-HI Phil Boarsse//Spring Lake, MI//
 TF-CT Tony Fitzherbert//Fairfield, CT//
 Starr Jerry Starr//Buffalo K. Foonman, OH//
 AM-PA Al Mulek//Fogelville, PA//FRG-8800 + FRA-7700 active antenna
 EB-GA Eric Busnessan//Woodstock, GA//DX-200, TH-162, SH-2
 JO-MA Jon Ghan//Holden, MA//Delco ETR or **Delco ETR & RF-2800 barefoot
 BH-NJ Bob Harrison//Union, NJ//Superadio
 SA-MB Shawn Axelrod//Winnipeg, MB//R-70 + loop, 100' LW + mini Tun-3 (3 repots)
 WAW-MA William Myllie//Franklin, MA//Realistic Modulaire 2200 barefoot
 BES-VA Barry Shinnell//Cedar Bluff, VA//Pioneer SX-V300 with factory loop
 RD-IA Rick Dau//Oakland, IA//R-1000 + RW Loop//703 hrd
 CR-ON Charles Reh//Leamington, ON//R-380A, S-40A, Sanserino Loop, Pioneer CT-60R Taper
 RK-IL Robert Kraemer//Chicago, IL//R-1000, HQ-129X + RW Loop, Kowalski Loop
 DS-WI Doug Smith//Madison, WI//Superadio II
 BB-NJ Bill Burrows//Gloucester, NJ//
 NJW-HI Neil Wolfish//Brighton, MI (Michigan Area Radio Enthusiasts Expedition)//ICF-2010 + beverage

GRAVEYARD DX ACHIEVEMENTS UPDATE (all new records)

1230:				
KYVA	NM	Gallup	Tim Hall	Chula Vista, CA
KADA	OK	Ada	Wayne Heinen	Aurora, CO
CJNL	BC	Herritt	Tim Hall	Banff, AB
1240:				
WMHB	FL	Melbourne	Mauricio Molano	Madrid, Spain
KLYQ	MT	Hamilton	Tim Hall	Kalispell, MT
WBAB	NY	Babylon	Christian DeHaes	Chicoutimi, PQ
KGY	WA	Olympia	Tim Hall	Kamloops, BC
CKGO	BC	Hope	Tim Hall	Banff, AB
CKOO		Oliver	Tim Hall	Banff
ZNS2	BAH	Nassau	Tim Hall	Miami, FL
1340:				
WHOU	ME	Houlton	Christian DeHaes	Chicoutimi, PQ
WNBH	MA	New Bedford	Christian DeHaes	Chicoutimi
KAPA	VA	Raymond	Tim Hall	Vancouver, BC
WSTA	VI	Charlotte Amalie	Tim Hall	Crane Beach, Barbados
CFHC1	AB	Banff	Tim Hall	Lake Louise, AB
CBON	ON	Chapleau	Tim Hall	Near Chapleau, ON
1400:				
KIGO	ID	St Anthony	Tim Hall	Whitehall, MT
WCCY	MI	Houghton	Tim Hall	Thunder Bay, ON
KMIN	NM	Grants	Tim Hall	Rancho Mirage, CA
KILE	TX	Galveston	Wayne Heinen	Colorado Springs, CO
CHNL1	BC	Clearwater	Tim Hall	Banff, AB
CBOD	ON	Maynooth	Tim Hall	Madawaska, ON
1450:				
KBPS	OR	Portland	Tim Hall	Vancouver, WA
KYNT	SD	Yankton	Tim Hall	Winnipeg, MB
CBKS	BC	Cache Creek	Tim Hall	Near Ashcroft, BC
CKSP		Summerland	Tim Hall	Banff, AB
1490:				
AFRN	AK	Campion	Esa Hanninen	Leamenjoki, Finland
WHRC	MA	Milford	Christian DeHaes	Chicoutimi, PQ
KRTN	NH	Raton	Wayne Heinen	Colorado Springs, CO
KRUI		Ruidoso Downs	Tim Hall	Rancho Bernardo, CA
KHND	ND	Hettinger	Wayne Heinen	Aurora, CO
WBCB		Levittown	Wayne Heinen	Orchard Park, NY
WNBT		Wellsboro	Charles Reh	Leamington
KGHO	WA	Hoquiam	Tim Hall	Vancouver, BC
CKOO1	BC	Osoyoos	Tim Hall	Banff, AB
CKBH		Montmagny	Russ Edwards	Syracuse, NY

Domestic DX Digest - West

Nancy Hardy
 2301 Pacific Avenue
 Aberdeen, WA 98520

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

Deadlines here for DDXD-W tips are the Saturdays of May 13, June 10, July 8, August 5, and September 9. Anyone DX'ing in the Mountain & Pacific time zones can report to the column. Please, use only one side of the sheet of paper. I cut apart all the tips to put them in frequency order, then I type the column. Still no computer here. We had planned to get a computer this fall, but a big unexpected expense will take place in September. So, until you hear otherwise, use one side only.

SPECIAL

690 KOAQ NE TERRYTOWN - 3/13 1957 "Oldies 690, KOAQ." Ex-KEYR. (JT-CO)
 710 KEXG CO DENVER - 3/15 ex-KBPI. KBPI noted off the air on 3/15. Will s/on 3/20 0800 with talk & CNN News per call to station. Station signed on as advertised at 0800 on 3/20. Tone on before 0800. (JT-CO)
 1510 KCAF CA SAN RAFAEL - 3/16 0940 "Caff Country Radio." CA #54. Ex-KTIM. (JT-CO)

FREQUENCY CHECK

1490 KRTN NM RATON - 2/16 0201 "Radio station KRTN AM 1490 on the air for the purpose of a frequency test," followed by a tone. Repeated until 0204. (JT-CO)

MIDDAY TO MIDNIGHT

710 KPFA CA CARMICHAEL - 3/15 2100 "Carmichael's Christian Voice for all of Northern California." Call-in health talk show called "On Line." Dominant after KMPC pattern change. Slight interference from XEDP. Local KBPI off. (JT-CO)
 790 KXXX KS COLBY - 3/13 s/off with SSB at 1945. (JT-CO)
 810 KWWS CO RIFLE - 2/13 1959 "KWWS, Rifle CO now draws the curtain on another broadcast day." (JT-CO)
 1060 KPAY CA CHICO - 2/16 2207 strong with Talknet. (JT-CO)
 1370 KPOS TX POST - 2/6 1931 fair-good with C&W under KGNO. New. (JT-CO)
 1500 KHHT CA SAN JOSE - 2/15 2025 fair-nil with oldies. No sign of KSTP. (JT-CO)
 KSJX CA SAN JOSE - 3/16 2019 ex-KHHT. BRN format. (JT-CO)
 1510 KIRV CA FRESNO - 3/16 2058 strong with KDKO off. "Curse Radio." Ad for Fresno Bible House. S/off at 2100. CA #56. (JT-CO)
 1530 KQNK KS NORTON - 2/6 1915 "K-Q Radio." S/off. (JT-CO)
 1540 KGBC TX GALVESTON - 3/11 2249 fair-good. No sign of KXEL. (JT-CO)
 1580 KWYD CO WIDEFIELD - 3/13 s/off at 1958. (JT-CO)

MIDNIGHT TO MIDDAY

530 "NB" ON CFB NORTH BAY - 2/28 0058 100 watt NDB with code ID every 10.1 seconds. Have been listening for this one for 4 years... at last! 2004 miles. (JSM-BC)
 570 KLAC CA LOS ANGELES - 2/2 0230 fair with slight fade, under WNAX. Local talk show, "520-KLAC." (JT-CO)
 620 KWFT TX WICHITA FALLS - 2/17 s/off 0106 with NA, will s/on at 0500. (JT-CO)
 710 WHB MO KANSAS CITY - 3/16 0652 strong with KBPI off. 50's, 60's & early 70's oldies format. (JT-CO)
 KGNC TX AMARILLO - 3/16 0803 "Talkradio 71." Very strong over KEEL. (JT-CO)
 880 KRVN NE LEXINGTON - 3/12 s/off at 0600. (JT-CO)
 CKLQ MB BRANDON - 3/12 0621 good with slight fade. Country format. (JT-CO)
 900 KPAL MO FULTON - 2/25 0100 s/off with NA. (JT-CO)
 1010 KPSSL CA 1000 PALMS - 2/16 0300 "KPSSL now leaves the air. KPSSL is owned & operated by Vista Communications." S/off with NA. (JT-CO)
 1080 KRLD TX DALLAS - 2/17 0305 KRLD noted off, leaving French speaking unID. S/on at 0430. (JT-CO)
 1210 KOKK SD HURON - 3/14 0718 "Coke Country News," "This is K-O-K-K." Report on this summer's fire danger. Clear for 60 seconds, then gone. Ex-1190. SD #20. (JT-CO)

KXL  AM750 • FM95

Post Office Box 14957

1415 S.E. Ankeny Portland, Oregon 97214

73, Bill

- 1220 KOFO KS OTTAWA - 3/14 s/on at 0702. KS #37. (JT-CO)
- WFNL TN CAMDEN - 3/14 0345 two Neil Diamond songs followed by an ad for Heartland Ford in Waverly. Poor-fair. Only 140 watts? TN #4. (JT-CO)
- KZEE TX WEATHERFORD - 3/14 0707 "Kay-Zee," ad for 1st Nat. Bank of Weatherford. TX #68. (JT-CO)
- 1230 KLAJ NV LAS VEGAS - 3/14 0415 promo for KLAJ Meadow Muffin Contest. (JT-CO)
- 1250 KNEU UT ROOSEVELT - 2/16 s/off at 0100. (JT-CO)
- 1260 KIMB NE KIMBALL - 3/14 s/on at 0758 with SSB. (JT-CO)
- KPOW WY POWELL - 2/19 s/off with NA at 0100. (JT-CO)
- 1270 KPIY CA TULARE - 3/12 0805 Talknet. Fair signal. (JT-CO)
- 1280 WGBF IN EVANSVILLE - 3/14 0525 KXKL off with carrier on. Ad for Junior Food Marts, "GBF." Strong signal--would be dominant without KXKL. (JT-CO)
- KDKD MO CLINTON - 3/14 s/on at 0658 with SSB. //FM. MO #25. (JT-CO)
- 1420 KTAN AZ SIERRA VISTA - 2/17 0221 strong-moderate fade. CWM format. "1420 K-Tan." AZ #44. (JT-CO)
- 1450 KAYO WA ABERDEEN - 4/3 0058 end of Westwood One Presents show, then s/off. (NH-WA)
- 1490 KYCA AZ PRESCOTT - 3/17 0900 ad for Fraser Medical Supply. (JT-CO)
- KBIX OK MUSKOGEE - 3/17 0819 "American Country, KBIX." OK #22. (JT)
- 1510 KDKO CO LITTLETON - 3/16 noted off from 0740 on 3/16 until 0815 on 3/17. (JT-CO)
- KANS KS LARNED - 3/16 poor-fair under KCCV at 0842. Ad for Double-D Western Store. (JT-CO)
- KCCV MO INDEPENDENCE - 3/16 0758 "Your Christian Companion KCCV." "Kansas City's Christian Voice." Strong. MO #26. (JT-CO)
- 1520 KTRO CA PORT HUENEME - 3/16 1003 English ID. Poor under KOMA. (JT-CO)
- 1600 KCRG IA CEDAR RAPIDS - 2/17 s/off 0158. (JT-CO)

REPORTERS

NH-WA/Nancy Hardy, Aberdeen, WA/FRG-7, Radio West loop
 JSM-BC/Steve McDonald, Port Coquitlam, BC/R-71A and HB 8" broadband loop with preamp on 15' tower
 JT-CO/Jeff Tynan, Parker, CO/Sony 2002 with JT-5 loop

Contests

George Sherman
 104 Pinewood Circle
 Apple Valley, MN 55124

Promotion of the DX hobby through competitive listening.

	Contest Standings as of 3/20									
	A	B	C	D	E	F	G	H	I	J
Jeff Tynan, Parker, CO	5137	1635	327	95	19	170	1	0	0	0
Robert Kramer, Chicago, IL	4470	1700	-	214	8	23	4	0	0	0
Wayne Heinen, Aurora, CO	2933	1519	304	39	5	56	0	1	0	1
John Wilkins, Wheat Ridge, CO	2467	1177	235	63	3	33	0	0	1	1
Nancy Hardy, Aberdeen, WA	682	358	214	1	4	4	1	0	0	0
Bill Hardy, "	544	262	157	3	2	2	0	1	0	0
Mike Hogan, Burnham, IL	121	96	-	0	0	0	0	0	0	0

A= total points B= state & province points C= handicap points D= # of s/ons & s/offers hrd & reported to DXLD E= # of most likely stations heard F= # of other new logs G,H,I, 1st,2nd & 3rd reports of stations broadcasting for 1st time after 8/31 J= First report of stations that were silent 3 months or more & returned after 8/31

FIRST REPORT OF NEW STATION 640 CFGM-ON RK-IL; 840 KVEG-NV NH-WA; 1010 KPFL-CA JT-CO; 1100 WSGI-TN RK-IL; 1200 WMAA-IL RK-IL; 1210 KOKK-SD RK-IL

SECOND REPORT OF NEW STATION 840 KVEG-NV BH-WA; 1010 KPFL-CA WH-CO

THIRD REPORT OF NEW STATION 1010 KPFL-CA JW(0W)-CO

RETURNED TO AIR 1240 KDGO-CO WH-CO; 1310 KPFA-CO JW(0W)-CO



International DX Digest

Chuck Hutton
 983 St. Charles Ave., #1
 Atlanta, GA 30306
 (404) 892-6211, before 2300 ELT
 Foreign DX Catches. Times are UTC; for ELT, subtract 5 hours

Not bad column this time, check it out! Hope you guys had a radio on Friday night 3/17. This was one of the biggest, best auroral nights I can recall. Made me really want my south Beverages of about 10 years ago back. Too bad all I had was a car radio. Even on that I heard nothing further north than Nashville and even that was much weaker than normal. WLAC would even fade out every now and then. KMOX was totally non-audible! I'm sure some of you guys must have had a field day... News reports a few days before had talked about the biggest aurora borealis displays in memory being seen as far south as Louisville so the sun activity must have been awesome.

- 580 JAMAICA Galina Radio Jamaica 3/24 0555 fair to good over WGAC with soul music, talk by heavily accented EE language announcer, REL story in observance of Easter. (Bueneman)
- 590 CUBA 3/5 0447 R. Reloj tick tock pg. o/u WEEI. (Connelly)
- 600 CUBA Urbano Norris CMKV 3/5 0450 uptempo SS LA mx, SS talk, Rebelde ID, loud! Pipeline to Cuba tonight; South Americans, by comparison, were poor. (Connelly)
- 610 CUBA 3/5 0451 Rebelde pgm // 600, poor and in jumble. (Connelly)
- 620 CUBA Colon CMDA 3/5 0451 Rebelde pgm // 600; poor to fair w/LA and domestic QRM. (Connelly)
- 640 CUBA Guanabacoa/Pilon 3/5 0454 good w/SS mx, R. Progreso pgm. (Connelly)
- 660 CUBA Santa Clara CMED 3/5 0454 Progreso pgm // 640 u/WFAN. (Connelly)
- 660 CUBA Santa Clara R. Progreso CMED 3/24 0630 at equal strength with WFAN and WSM 650 splatter with contemporary drama in SS // 640. (Bueneman)
- 670 CUBA Arroyo Arenas CMBC 3/5 0459 Rebelde ID, dominant o/other SS LA (YVLL?) - no domestics audible. (Connelly)
- 700 JAMAICA JBC Radio One 3/15 0015 good level with EE man anncr. Bank of Mandeville ads, numerous "JBC Radio One" ID's. Other outlets noted: 560 looped in under WQAM at 0020. (Scotka)
- 730 COLOMBIA Bogota HJCU 3/5 0506 brassy mx, R. Meldia ID. (Connelly)
- 730 MEXICO XEX "La X" w/lotsa IDs on 2/28 at 0420 and slow LA ballads. Nice listening, way over CKAC. (Muick)
- 730 UNID 3/5 0509 something apparently using a "Mundial" slogan briefly surfaced w/SS talk o/HJCU and a mishmash of other LAs. (Connelly)
- 740 CUBA Camaguey CMHB 2/20 0622 LA mx (mambo, etc.), talk in SS by man, good. (Townshend)
- 750 NICARAGUA R. Sandino, 3/20 0520-0531 decent level, Latin cont mx, TC's by woman on cart, TC, ann by SS man, three quick comments from three distinctly different anncrs and "Radio Sandino gente!" by women at 0525 into disco. Faded somewhat tho caught mention of Sandino by man in 0530 string. Woman with TC for 0532 at 0531. (Scotka)
- 760 CUBA 3/5 0520 Reloj pgm atop graveyard-like rumble of other stns. (Connelly)
- 760 CUBA CMBD Guanabacoa 3/13 0621 R. Reloj time and news. Noted chimes every minute and code "RR" IDs. Fair to good signal. (Wyllie)
- 770 JAMAICA RJR 0025 3/15 decent level w/EE woman anncr, weather and local temps in Jamaica, EE man w/comm calendar stuff at 0030, funeral anncs. Also caught weaker // 720 at 0035 and tent copy on 550 under Rebelde/Mundial mess. (Scotka)
- 790 CUBA Pinar del Rio CMAD 2/19 0230 nx by man and woman. Good atop WTAR. (Townshend)
- 790 CUBA Pinar del Rio CMAD R. Reloj 3/24 0635 at equal strength with WQXI with time pips, anncs in SS, WQXI has been at equal strength with Reloj lately on this freq. (Bueneman)
- 812 CUBA 3/5 0448 the stn previously noted (unid) at the home QTH in Billerica w/a poor signal has a killer signal down here at W. Yarmouth. Good w/slogan "La Onda de la Alegria" (roughly translated as "The Happy Station"), mentioned "desde la Habana". This must give Bahamas-810 fits! It sure clobbers it (and WGY, HJCY et al) on Cape Cod. (Connelly)
- 813 UNID ?? w/pop and c&w mx at 0403 on 3/6. Echo announcers and very tired sounding DJ. Too far in the splatter and dirt to get any

- details. Ideas anyone? (Muick) Probably the Cuban people have reported on 815 the last few issues - Chuck (And later I get Mark's log on 812 which kind of clinches it - Chuck)
- 820 CUBA 3/5 0529 R. Progreso pgm // 640; good, o/other. (Connelly)
- 825 ST. KITTS R. Paradise 3/4 at 0129 w/slow soul type gospel mx and IDs. Good signal - no surprise. (Muick)
- 830 CUBA R. Progreso on 3/6 at 0410. Definite R. Progreso IDs by bored sounding woman and LA mx. Xlnt sigs. What gives? Did they input the wrong program to the xmtr? Normally this is R. Taino, or do they share a xmtr? (Muick) I assume that Taino programming had ended by 0410 and they had turned the xmtr over to Progreso, much like they do on other frequencies where a local network shuts down for the night and the xmtr then carrier Reloj or Progreso or Rebelde - Chuck
- 830 CUBA Habana? 3/5 at 1550 Cuba audible ALL DAY! After taking note of George Hakiel's daytime reception of this, I thought I'd give it a try from W. Yarmouth. Sure enough, its in there just slightly w/WNYC (w/the neighbor's light dimmer phased out). At the beach, away from power lines, the phaser could be used to knock out WNYC and bring Cuba in all alone. Who knows, maybe this can make it to Nova Scotia days. Phased Beverages, regenerative preamplification, a hot receiver and a seaside QTH should do the trick (with all that maybe it makes it all the way to coastal West Africa! Chuck). Fast SS LA mx was heard at 1550 GMT/ 10:50AM local time. SAH between WNYC and Cuba is about 7 Hz; it seemed fairly constant at morning, noon and afternoon checks. Neil Kazaross and I got Cuba on 720 at noon from Narragansett, RI in 1979; Beverages were used. Considerably shorter wires were used this time. ++ Night signal awesome, in the same league as PGJB-800 and Paradise-825 (and for that matter, semi-local WHDH 850). SS mx and revolutionary talk loud on 3/5 at 0058; EE sports report // 1040 and 1160 great at 0139. The het between this and St. Kitts 825 sounds like the battle of the titans. Belize 830 probably doesn't get out of its back yard now. (Connelly) So who'll be the first Canadian to hear this? Chuck
- 830 CUBA R. Taino on 3/7 at 0128 w/multi-lingual IDs and EE pgms. Aside from the definitely anti-US mx, it made for interesting listening. Like a local. (Muick)
- 830 CUBA R. Taino 3/24 2203 good and alone on channel late in the afternoon (1:42 before LSS) with Latin music, "At home, Radio Taino should always be on" slogan in EE, anct in SS, KBOA heard in Taino's null. (Bueneman)
- 837 CANARY ISLANDS (t) 3/5 0443 SS talk, poor. (Connelly)
- 850 MEXICO XETQ Orizaba at least ten minutes straight of commercials, many mentions of Orizaba. No KOA, 3/26 0408. (Swearingen)
- 860 DOMINICAN REPUBLIC HILR R. Clarin on 3/7 at 0207 w/LA mx into long-winded full ID. Good sigs. CUBC not audible. Have cheap letter QSL from them from '76 and the big 14" X 8" folder card from the days of Rudi Espinal and the high power 11700 KHz operation. This brought back some fine memories. (Muick)
- 891 ALGERIA Algiers 3/5 0050 female AA chant, good, best TA. (Con)
- 895 UNID ?? at 0135 on 3/4 w/slow rock mx and phone number. Didn't catch it. DJ in EE gave TC's as GMT-4! No accent. Test? Pirate? Operator headspace on my part? Not heard since. (Muick) Naw, Voice of Nevis from Nevis (near St. Kitts), which has been on the air 6 months or so -- Chuck
- 940 CUBA Colon CMDI 3/5 0334 R. Reloj news/time show well o/CBM. (Connelly)
- 940 MEXICO XEQ 3/13 0552 soft SS songs, many mentions of "Mexico", ID noted as "La Tropi Q". Very strong for a few minutes then lost and battling with Cuba. (Wyllie)
- 940 CUBA CMDI Colon 3/13 0600 R. Reloj fair to good o/XEQ. Voice ID real good and code "RR" IDs. Time and news. (Wyllie)
- 950.5a UNID 3/5 0540 quite a het here against CKNB/CHER/others after I phased out dominant WPEN. (Connelly)
- 960 CUBA 3/5 0045 R. Reloj outlet dominant. (Connelly)
- 960 CUBA CMFD Cienfuegos 3/13 0611 weak signal here, Radio Reloj code "RR" IDs and chimnes. (Wyllie)
- 981 ALGERIA (t) 3/5 0325 possible AA mx, stiff het against WCAP and South Americans on 980. (Connelly)
- 1040 CUBA 3/5 0138 sports report in EE, good. Was // 830 and 1160. (Connelly)
- 1100 ANTIGUA St. Johns ZDK 3/5 0146 rap mx by Jamaican accented dude/much reverb, then Caribbean EE DJ. Barely atop jumble of competing signals.
- 1100 CUBA R. Reloj 3/9 0045 w/standard Reloj format, news, clock ticks, chimes, "RR" in ode o/unid. Actually one of the stronger Cubans heard at this time, this was the same stn heard in Chicago in December. (Forth)

- 1101.1a CUBA 3/5 0145 R. Reloj Cuban here w/usual format. Crackling noted on audio, as if from an intermittent audio patch cord in the studio. Good signal on split, should be widely heard. (Con)
- 1160 CUBA Habana? 3/5 0143 EE pgm // 830 and 1040. Was o/u a big band station, probably WQMR from Maine. (Connelly)
- 1375 ST. PIERRE ET MIQUELON 3/5 0124 back on nominal freq; had drifted higher and lower. Good signal, per usual. FF talk, man doing sports broadcast. (Connelly)
- 1521 SAUDI ARABIA Duba 3/5 0313 AA chanting briefly peaked up well o/generally tough WWKB oldies show slop. (Connelly)

Eric Bueneman - Woodstock, GA	DX200, SM2
Maaaahhhh Connelly - W. Yarmouth, MA	ICF2010, 2 37 m. phased wires
Karl Forth - Clewiston, FLA	Dodge car radio
Al Muick - Fogelsville, PA	FRG8800, FRA7700 active antenna
Russell Scotka - Margate, FLA	FRG7000, ICF2010, HQ180A
Paul Swearingen - You know where	Sony SRFA100
Bill Townshend - Washington DC	ICF2010
William Wyllie - Franklin, MA	Realistic Modulaire 2200

FGC RULE PRIMER

JOHN D. BOWKER, 14 CANOE BROOK DRIVE, PRINCETON JCT., NJ 08550

KGGF 10,000 WATT
RADIO 69

V. THE CLEAR CHANNELS

A Clear Channel is one on which the dominant station or stations provide service over wide areas of the country and which are cleared of objectionable interference not only within their primary service areas but also within much of their secondary service areas.*

Stations operating on Clear Channels are classified as follows:

(1) CLASS I STATION

A Class I Station is a dominant station operating on a Clear Channel and designed to render primary and secondary service over an extended area and at relatively long distances. Its primary service area is free from interference except for stations on adjacent channels, and from stations on the same channel in accordance with the channel designation shown below. These stations must transmit with at least 10,000 Watts of power (but not more than the U.S. maximum limit of 50,000 Watts, of course).

(2) CLASS II STATION

These are "secondary" stations that operate with 50,000 Watts on one of the Clear Channels in many cases but must accept interference from a Class I Station if such exists, while not creating interference to a Class I Station. There are five groups of Class II stations, some operating with only 250 Watts at night in order to avoid interfering with other Class I and Class II stations. Many Class II stations have several towers so that they can direct their broadcasts away from some directions so as to cut down on interference to other stations.

(3) The Clear Channels are 540, 640, 650, 660, 670, 680, 690, 700, 710, 720, 750, 760, 770, 780, 810, 820, 830, 840, 850, 860, 870, 880, 890, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 111170, 1180, 1190, 1200, 1210, 1500, 1510, 1520, 1530, 1540, 1550, 1560.

A list of all AM channels listed in order from 540 to 1600 kHz showing the classes of stations on each has appeared in several NRC publications over the years. A copy is available at no charge from the author; enclose a self-addressed-stamped-envelope with your request for the 8-1/2 x 11 inch chart.

NEXT INSTALLMENT: STATION LOCATION AND IDENTIFICATION

* The Primary Service Area is the area around a broadcast station in which the station receives no objectionable interference or objectionable fading. (Technicians refer to this as the area served by the station's "groundwave".)

The Secondary Service Area is the area around a broadcast station in there is no objectionable interference but the signal is subject to fading from time to time. (Technicians call this the area served by the "skywave".)

LATIN-AMERICAN DX TRIP

February-March, 1989

by Pete Taylor

On February 22, my wife Kristine, my trusty ICF 2010, the beloved Palomar loop antenna, another couple and I took off to Miami to start our Latin- and Central American excursion on the Royal Viking Star. The Star actually left L.A. in January and toured the Pacific; we were scheduled to hop on it for our trip February 27 from Lima. For reasons which will become apparent, we decided to rest up a night in Miami rather than going from S.F. to Lima in one day. In Miami, we noted the new WWFE-670 testing with OC and no ID with the strong Cuban easily readable underneath. Also noted was WRFM-830 getting wiped out rather easily even during the daytime. My reference here will be WRTH-89.

LIMA, PERU We arrived at 11:30pm, got to the Lima Sheraton at 1:30am and had a wake-up call for our flight to Cuzco at 4:45am (now you know why we decided to rest up in Miami!) Peru time incidentally is the same as EST, and it was not on DST as of February 24th. A quick 1:30am non-loop scan revealed a dozen all nighters (540 660 680 730 760 850 880 930 1040 1160 1200 1300 + OCs on 780 820 900) and some white noise being generated on or about 900kHz.

CUZCO, PERU We were here to see the ruins of Macchu Picchu, capital of the Incan empire before its demise at the hands of the Spaniards. Cuzco is at about 11,500' so needless to say, it was a breathtaking experience. Confirmed locals were Mundo-870, Macchu Picchu-1000, Superadio-1030, Saicantay-1080, Lider-1110, Universal-1150, Tawantinsuyo-1200, La Hora-1410 (not 1390), El Sur-1510 Onda R. Tropical-1540 (not R. Chaski) and Triunfo-1580. I never could get an ID out of semi-local 940 or locals on 1300, 1330 and 1470. I monitored 1230 at great length and never heard R. Madre de Dios; several times I heard "?? en total pais." For SW buffs, 1200/6170, 1330/4965 (might have been an image) and 1410/4977. We drove around a bit in and around Cuzco but I never saw any buildings with station call letters or slogans. Up in the hills, we saw several unidentified transmitter sites. Is Cuzco a swinging town? All I can tell you is that half the stations were off the air by 9:30pm LT on a Saturday night. Also noted were beacon ZCO on 415kHz and FMs on 92.1, 98.1 and 99.9 plus another one on 102.1 which must have been skipping in from Lima. On the way back to Lima on Sunday 2/26 I ended up sitting next to J. Luis Castro Garcia, owner of Macchu Picchu-1000. He said his station was the most powerful one in Cuzco, with 5000 watts. Obviously, this tells you that most of the stations just can't tweak their transmitters up to the powers listed in WRTH. He identified the 940 outlet as R. Willkamayu, Sicuani (pr. "Sih-KWAN-ee"). The 1987 phone book showed two stations in Sicuani, R. Canchia and R. Sicuani, along with La Hora (486 San Andres) and San Miguel (N-146 Av. H "Ccapac") elsewhere in area 7. Several of the stations had Quechua-oriented programming. The most frequently heard song in public was "El Condor Pasa," which some of you may remember as a Simon & Garfunkel hit a few years back. Most of these songs are female duets and really remind me of Chinese music. Cuzco is the Quechua spelling and Cuzco, the Spanish. Also noted at night were 690-HCJB, Guayaquil-700, Bonaire-800, R. Radial Andina-810/1580 Cuzco and 1545, presumed Quito. Other than these, not a lot came in at readable strength. I will be communicating with Sr. Castro for updated information. Peru, FYI, had a 2400% inflation rate last year and not all the people are happy.

LIMA, PERU Except for 930, 1400 and 1420, all the local stations were identified as per WRTH with these exceptions and variances. R. Comas is on 580, not 590 as on p.346. 800 is Radio Sol, not San Juan. 1040 for some reason was //760 Radio Mar the afternoon of 2/26, but had its own Onda Popular programming after about 5pm. Callao-1400 was heard with Quechuan melodies sung in Spanish. 610, 1080 and 1180 were not on the air. Selecta-1130 was heard the evening of 2/26 with programming from RNE. Imperial was on 1439.9. 21 local FM stations were also noted.

Enroute GUAYAQUIL, ECUADOR Quite honestly, much of my time was spent listening to LW beacons and FM. However, perched anywhere outside on the ship where it wasn't too windy or wet to DX, I went over all the bands at least once nightly. On the morning of 3/1 between 1-1:30am EST, UNID SSers were heard on 530 and 555, WCKY-1530 was in the clear and the white noise jamming was quite strong on 900. That night between 11:30pm-12mid EST, it was Grenada-1555 w/GSQ s/off 11:30, AFCN-1420 UPI network news and KAAY-1090 along with many SS.

GUAYAQUIL, ECUADOR For me, there were 50 unidentified AMs (+17 FMs) to contend with and since we went touring, I didn't identify many. IDs confirmed were Huancavilca-830; Cristal-870; CRO-920 (not 930); R. Guayaquil-1325 Babahoyo; R. Natl. El Oro-1335, Machala; and the time signal station 1510.

ENROUTE PANAMA On 3/3 by 4pm ET, we were about on the same latitude as Quito and most of the outlets came in quite well. Others of note: R. Eco-1085, Manta; the Portoviejo splits on 625 & 715; HCLD4-1265 Junin (ex-1270); an unlisted "Radio Richie" on 1470; and something on 1603 whose ID never came to pass. HCMO1-1260 ID'd simply as "HCMO" and had children's records on between 4:30-5:30pm. At about 4:15pm, an OC was heard over HCJB-690; audio finally came on some time after 5 in the form of HCEA4 Portoviejo. HCRL4-1031 wins the "close but no cigar" award today. The same evening about 11:30pm, something like "R. Recará" was heard on 1600.

PANAMA Saturday evening 3/4 we were moored off Panamá City a half day early to transfer two passengers to medical authorities (one heart attack, one multiple fracture). I didn't attempt to ID everything. However, I did note Radio Ritmo Stereo on 890, ex-1070. Radiolandia-1450 in Venezuela was heard with 11:50pm CST s/off. On 3/5 we went through the canal, and like nearly everyone else, I watched the process so didn't get in much DX. Near Colón, we did go by what appeared to be the AFCN-1420 tower. We got out of the Canal about 3 CST; by then, Colombians were all over the dial. Also, it took me over a half an hour to ID some canned religion on 1290. "Surely V.I. can't come in this early," I conjectured. Right on; it was HOS2-David, with IDs consistently at 5 of and 25 after.

ENROUTE PUERTO LIMON That night around 2300 CST, Cuban Relej outlets on 590-760-930-940-950-960-1270 were heard well along with WSUN-620 and a pesky drifter with SS paid religion floating around 1522.8 or so.

PUERTO LIMON We docked about 6:30am and eventually took an all day bus trip to San José. Quite a few towers were seen including the 4-tower array of R. Rumbo-530. Back at Limon, locals on 1220 1360 1460(//760) were noted along with semi-local TIPJ-1180 Heredia and some U.S. C&W on 1300. At about 7:55pm CST it was interesting to note political addresses on both ZNS-1540 and Cayman-1555. VOA-1580 was good, as was Jamaica-560. Costa Rica incidentally is a very friendly country where Americans are still welcome and where the literacy rate is about 85%.

ENROUTE COZUMEL Around 12n CST 3/7 I was able to identify HJLQ-1523, R. Minuto, Barranquilla, "The religious voice of Colombia." Radio Costa Rica-930 was fair, but nowhere on the trip was it notably strong as itself or in VOA mode. By this time we were off Nicaragua (40 miles or so) but you couldn't tell it by my dial. One would think Bluefields-1090 would be banging in, but no way (something was there but I can't confirm it was Bluefields); in short, Colombians (particularly San Andres ones) were all over the dial at great strength, but I can't positively say I heard any Nicaraguan station. Weak SS noted on 1235. "B.B."-1240 out of San Jose really lasted a long time; I thought the new megawatt Venezuelan must be on. HJAY was on 1489.9 and TISHB was on 1127.

COZUMEL In the morning, we took a tour to some ruins, and as we went by the tower, the guide was proud to point out that XERB had 5000 watts at 1170 on the AM dial. Eight Texas FMs (mostly Corpus Christi area) were noted here. Radio America-630 was strong, but it didn't seem to be La Ceiba, Honduras, since nothing else out of La Ceiba seemed to be coming in. Between 3-4pm CST, I observed WQAM-560 (no Jamaica), WTKN-570, WIOD-610, WWAM-770, WNWS-790 (in the clear), Tampa-970, Relej-1100 (//940 with WINZ under), WOBA-1140 (clear), Tampa-1150, VOA-1180, WAMR-1320, WBRD-1420 and the St. Pete area stns. on 1380 and 1590. Also noted was Belize, spluttering all over the place between 819-833kHz. What a mess! Locals and semi-locals included Merida-550, Cancun-580, Radio Caribe-860 (not listed, probably Cancun), Chetumal-960, XERB-1170 Cozumel and Radio Hit-1550. The latter, unlisted, had ads for maids for a Hyatt hotel, and was wiped out by co-channel hush by 5pm. My guess is 250w in Cancun, or if not, then in some resort area. However, it had to be a resort where elderly Mexicans go, because the music was like Xavier Cugat dance music of the 40s-50s. Somehow I just don't think it was HTS-1550 in the Dominican Republic...

ENROUTE FT. LAUDERDALE On Friday March 10 we were back on EST and off of Cuba. Around noon, I noted Progresso-640/880/730/90.3; Rebelde-550/610/620/670/710/91.9; FM Latina-95.1 (classical); Relej-760/790/etc./95.9; Unknown network-820/98.7; Metropolitana-860/102.9 and three UNID FMs on 93.7, 97.7 and 100.7. By this time, everything was predictably Cuban or Floridian. About 3, I wangled my way onto the bridge and read through a beacon log published by the British Hydrographic Office. The ship used satellites for navigation but still had a 250-500kHz direction finder which I got to play with.

In conclusion, unfortunately, there were just too many stations in Guayaquil, Panamá and San José for me to get a handle on and still see some of the territory we took the trip to see in the first place. Therefore, I primarily looked for variances. Also, I was mystified by the white noise (jamming?) surrounding R. El Sol-900, Lima. I couldn't get a handle on its source; it was quite strong the night after we left Lima but not noted in Guayaquil. T&C-1570 gets out pretty well; it was heard at various places after the Canal with no sign of XERF. And finally, the Cubans really have done a remarkable job infringing on the coverage areas of the Miami stations. The 710 signal was good off of Colón and is even with WAQI days in Palm Beach. R. Taino-830 really brutalizes WRFM. (Also, WWFE-670 was testing again Sat. 3/11; it was fair 11am in Ft. Lauderdale [strong Cuban under] but was either off or just plain gone an hour later in Delray Beach).

In summary, it is splendid DXing on a ship with no locals most of the time and I strongly recommend it. However, even on vacation, you can't DX all the time!

Oh yes, one final note. About four days before we left, a small article in the local paper mentioned that the airlines might stop allowing you to bring radios on board. In my briefcase, I had the ICF 2010, the two loops, the amplifier, earphones, the LWCA Beacon Log and WRTH - and some SS DX report translation forms and some copies of Latin American QSL cards and letters, including one from OAX4A when it was on 854kHz (reported 36 years ago from Durham, NC). I shuddered each time the briefcase went through the X-ray apparatus. However, I never heard a peep out of anyone, except in Miami, where the operator asked me if it was camera equipment... Who was I to dispute a proficient operator's observation?!!

Jay Roberts takes flight

VETERAN broadcaster Jay Roberts is leaving KKLW Radio after today's show. Tom Shannon will replace him starting Monday.

Roberts filled the 6-10 a.m. slot, Monday through Saturday. He and his wife plan to move to a home they own in Missouri and Roberts hopes to do some part time announcing work.

Roberts, 59, began working at KKLW April 4, 1988. Prior to joining KKLW he was at WJR Radio for 29 years, where his show Nightflight became an institution. He was let go from WJR in 1987 in a station shakeup designed to attract a younger audience.

KKLW-AM program director Dave Shafer said Roberts, "just wants to go." Shafer said Roberts plans to do some announcing for syndicated radio programming.

Shannon, 49, filled in for a vacationing Roberts in November. Shannon most recently worked as morning man

at WGR Radio in Buffalo. A native of Buffalo he is a veteran of the Windsor-Detroit radio market and is married to a Detroit woman. He was the No. 1 disc jockey during the mid-to-late 1960s when KKLW was a major player in the radio market and known as the Big 8. In 1968, Shannon won the Bill Gavin Award as America's Best Pop Deejay.

It was Shafer who suggested the station first hire Shannon in the 1960s. During that period KKLW was one of the most influential in North America with its popular "Much More Music" format and powerful 50,000-watt signal. It was then that Shannon had the motto "The Sun Never Sets On The Shannon Empire." He has worked at KKLW Radio twice before - from 1964-69 and from 1976 until early 1981. His most recent Detroit job was at WMJC, but he lost that when the station changed formats and became WCSX.

The Windsor Star
-via Charles W. Reh



The Answer Man

"No Question Is A Dumb Question"

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

R. J. Edmunds

753 Valley Road
Blue Bell, PA 19422-2052

Greetings! Welcome once again to the world of ANSWERMAN. This time, we unveil a new, but not unanticipated element of this column, namely, feedback from the membership on issues raised in prior columns.

A member who owns an NRD-525 has written to provide additional information on this receiver. He states:

"I advise anyone who is considering this receiver to check it out first. Although it has lots of nice features, there are two problems as far as MW DX goes:

1. Selectivity - lots of leakage around the filters. Although fine on SW, when dealing with the large signal differences on MW, this can be a real problem. Sherwood is offering a modification that is supposed to improve ultimate rejection by 20+ db. I am going to have this done -- will let you know the results.
2. Generates a lot of noise - A small loop (Radio West or Space Magnet) is not usable on the bottom half of the band unless what you want to null is in line with the receiver, so that the noise nulls at the same time. I don't have a large loop, so can't say how much noise they pick up."



Editor's comments: My comments were, as I noted, based on reviews of this vs. the others in the ham press, as compared with earlier reviews for BCB of the prior model, the NRD-515. It is possible, however, that with either a low-noise loop amplifier, or an unamplified air-core loop, the noise problems would be diminished. I'm not familiar with the Radio West, but the Space Magnet is noisy by comparison to any air-core loop I've ever used. The International Crystal BAX-1 amplifiers which I used with my two-foot loop of many years ago were equally noisy, however.

Since the NRD-515 had been reasonably good on BCB, and the other two rigs have BCB as an afterthought, and aren't supposed to be as good on SW, my comments may still be valid for those. Anyone else with experience with those rigs, please write.

QUESTION: What is this Cosgrove Loop that I've seen mentioned somewhere recently, and why would I want to own one?

ANSWER: I've never heard of this one. Anybody else out there who knows, let me know.

QUESTION: What would you hear if you could use an AM radio in a commercial jetliner crossing the Atlantic at 40,000-45,000 feet? What might an astronaut hear while orbiting the earth? Or on the moon? Since those radio waves which are not reflected by the ionosphere continue into space, how far would they travel? Could you receive signals from 50 years ago?

ANSWER: I'm not sure that I ever expected to be answering these here, but why not? Since I have had occa-

sion to DX both BCB and the VHF ham bands in a private aircraft, although at a much lower altitude, I can say that except for clear channels, where there's nothing else on for as far as the horizon is, you'd probably experience an effect not unlike DX'ing a graveyard frequency in a car. The closest station may predominate briefly, when you're near it, but won't hold for long. At night, the condition would be even more congested, due to the added skywave components.

Depending upon the altitude at which the astronauts are orbiting as it relates to the ionospheric layers which would be predominantly responsible for BCB propagation at that time (owing to the location of the sun), one might expect little difference from the prior example if beneath the layer or to receive nothing at all above it. While not all of a signal is reflected, most of the remainder will likely be absorbed as that signal component continues into the layer. Owing to this, no BCB signals at all would be audible at BCB frequencies, as only signals on higher bands would pass through these layers without absorption.

Finally, signals are do not "echo eternally" for periodic reception at a later time. In fairness, although no one has ever proven it to be possible, nor have they proven it to be totally impossible, either. Isn't science grand?

QUESTION: I am considering the use of a variable AC transformer to provide a constant low voltage to the tube filaments of my HQ-180. Is this a good idea? Would it be likely to harm anything?

ANSWER: Based upon my own experience, I question the need for this. I strongly believe that even given the cost and scarcity of some tubes today, the whole issue of protecting the voltages against surges is overrated. When I was DX'ing the most heavily, during 1969 - 1978, I probably operated my HQ-150 at least once a day six days a week. Many times, twice a day was not uncommon. During that nine year spread, I replaced one tube - the rectifier, which is the first to go anyway - and the tubes weren't all new when I acquired the rig. I'm not certain what other damage might be risked, but the potential benefit is so small as to be not worth it.

That's all for this time! 73 de RJE.

(continued from page one)

leaders, most of who were hams. The revised program will still contain ham-oriented requirements, but a third option will be demonstration of skills related to radio broadcasting, e. g., planning and taping a 30-minute "show" for "station KBSA," researching the power output and coverage area of nearby stations, etc.

It would seem that NRC'ers now have a golden opportunity to work with young people and spark their interest in BCB DX and radio in general. If you would like to order a copy of the new badge requirements (Pamphlet #3333), call (800) 323-0732. Let me know if you decide to work with the Boy Scouts.

Back to Texas ... Bill Hale is moving to San Marcos, TX - be sure that you send your reports to the new address on p. 5.

Happy Birthday ... to NRC member Ed Eisen- traeger, who will be 82 on May 11, and is still more active in DX'ing than many NRC'ers.

Happy birthday, too, to the International Radio Club of America, which turned 25 last month. The relationship between the two BCB clubs has been pretty much like that between Adam and Eve, the IRCA like Adam's rib, evolving from the NRC in 1964 and trying to take over but settling eventually into a comfortable role as a democratically-run radio club, the two still good-naturedly bickering like a married couple. The NRC continued to stress its publication, rather than club activities. Many DX'ers joined both clubs, reported to both, and even edited columns for each, and now the distinction between the two clubs is rather blurred.

And finally, happy 50th to WMGA-1130 ... see p. 38 for more information!

Graveyard Achievements

Distance records attained on 1230, 1240, 1340, 1400, 1450, and 1490 kHz

William Hale

(temporary address)

P. O. Box 289

San Marcos, TX 78667-0289

1450 kc
Prior to Jan 1, 1960

Date of last update: Apr 1, 1969

WHMA	AL	Anniston	Gene Allen	Vallejo, CA	2062
WBCO		Bessemer	Gene Allen	Vallejo	2011
WDIG		Dothan	Roy Millar	Bellevue, WA	2273
WFUN		Huntsville	Roy Millar	Bellevue	2061
WLAY		Muscle Shoals	Roy Millar	Bellevue	2012
WFDW		Talladega	Charles Martin	Springfield Gardens, NY	1305
KLAM	AK	Cordova	Roy Millar	Bellevue	1305
KAWT	AZ	Douglas	Laurie Boyer	Dunedin, NZ	7294
KFXV		Flagstaff	Charles Martin	Springfield Gardens	2085
KNOT		Prescott	Roy Millar	Bellevue	1038
KOLD		Tucson	Laurie Boyer	Invercargill, NZ	7386
KUCB	CA	Blythe	Eric McIntosh	Invercargill, NZ	7306
KOWN		Escondido	Roy Millar	Bellevue	1038
KMYC		Marysville	Gene Allen	Vallejo	82
KPAL		Palm Springs	Laurie Boyer	Dunedin	7294
KTIP		Porterville	Laurie Boyer	Dunedin	7151
KFMB		San Francisco	Gene Allen	Vallejo	468
KSAN		Santa Barbara	Laurie Boyer	Dunedin	7115
KDB		Santa Maria	Eric McIntosh	Invercargill	7813
KSMA		Sonora	Laurie Boyer	Vallejo	243
KKOG		Ventura	Eric McIntosh	Dunedin	7294
KVEN		Yuba City	Roy Millar	Bellevue	7157
KAGR		Alamogosa	Laurie Boyer	Dunedin	586
KGIW	CO	Greeley	Charles Martin	Springfield Gardens	1657
KGJW		Trinidad	Charles Martin	Brooklyn, NY	54
WNAB	CT	Bridgeport	Gene Allen	Vallejo	2510
WILM	DE	Wilmington	Frank Wheeler	Erie	2448
WOL	DC	Washington	Gene Allen	Vallejo	2320
WMFJ	FL	Daytona Beach	Laurie Boyer	Dunedin	8321
WNER		Live Oak	Laurie Boyer	Dunedin	8358
WWPB		Miami	Laurie Boyer	Dunedin	8334
WBSP		Pensacola	Gene Allen	Vallejo	2227
WSPB		Sarasota	Charles Martin	Brooklyn	8513
WTHT		Tallahassee	Laurie Boyer	Erie	600
WGPC	GA	Albany	Frank Wheeler	Vallejo	527
WRDU		Augusta	Gene Allen	Vallejo	2160
WBHF		Cartersville	Laurie Boyer	Dunedin	8546
WCOD		Cornelia	Gene Allen	Vallejo	2185
WKUW		Griffin	Eric McIntosh	Invercargill	5138
WMSB		Hilledgeville	Charles Martin	Springfield Gardens	2185
WRLC		Toccoa	Gene Allen	Vallejo	492
KTHO	HI	Lihue	Charles Martin	Springfield Gardens	1657
KFXD	ID	Nampa	Charles Martin	Springfield Gardens	1657
KPID		Payette	Roy Millar	Bellevue	521
KGKY		Sandpoint	Gene Allen	Vallejo	730
KEEP		Twin Falls	Charles Martin	Springfield Gardens	715
KWAL		Wallace	Pete Taylor	Durham, NC	711
WEHS	IL	Evanston	Eric	Dunedin	770
WHFC		Chicago	Laurie Boyer	Springfield Gardens	8018
WKEL		Kewanee	Charles Martin	Springfield Gardens	711
WCVS		Springfield	Frank Wheeler	Erie	513
WASK	IN	Lafayette	Laurie Boyer	Springfield Gardens	733
WAOV		Vincennes	Charles Martin	Springfield Gardens	8521
KWCR	IA	Cedar Rapids	Laurie Boyer	Dunedin	963
WIAS		Ottumwa	Charles Martin	Springfield Gardens	1109
KICK	KS	Red Oak	Gene Allen	Vallejo	1470
KVAK		Atchison	Gene Allen	Vallejo	1170
WLBF		Garden City	Roy Millar	Bellevue	1404
KWBW		Hutchinson	Gene Allen	Vallejo	2008
WLCK	KY	Campbellsville	Frank Wheeler	Erie	395
WWXL		Manchester	Gene Allen	Vallejo	1834
WPAD		Paducah	Laurie Boyer	Dunedin	7994
WSPD	LA	Crowley	Eric McIntosh	Invercargill	8210
KSIX		New Orleans	Frank Wheeler	Erie	564
WTKX	ME	Rockland	Charles Martin	Brooklyn	185
WRKD		Chicheston	Frank Wheeler	Erie	205
WTBO	MD	Baltimore	Frank Wheeler	Erie	369
WTBO		Cumberland	Frank Wheeler	Vallejo	2086
WNAS	MA	Springfield	Gene Allen	Vallejo	591
WATZ		Alpena	Charles Martin	Springfield Gardens	494
WELL		Battle Creek	Frank Wheeler	Erie	461
WBSC		Detroit	Frank Wheeler	Vallejo	236
WTDQ		Iron Mountain	Gene Allen	Vallejo	1832
WIBM		Jackson	Frank Wheeler	Erie	132
WKLA		Ludington	Frank Wheeler	Erie	687
WHTS		Port Huron	Gene Allen	Vallejo	1550
KATE	MN	Albert Lea	Gene Allen	Vallejo	1677
KBUN		Biwabig	Frank Wheeler	Erie	738
WELY		Ely	Eric McIntosh	Invercargill	8280
KFAH	MS	St Cloud	Laurie Boyer	Dunedin	8259
WLOX		Wilcox	Frank Wheeler	Erie	871
WROX		Clarksdale	Gene Allen	Vallejo	1903
WJXN		Jackson	Gene Allen	Vallejo	1810
WTKO		Meridian	Roy Millar	Bellevue	2033
WNAT		Natchez			
WROB		West Point			

WMBH	MO	Joplin	Gene Allen	Vallejo	1519
KOKO		Warrensburg	Frank Wheeler	Erie	743
KRBH	MT	Bozeman	Laurie Boyer	Dunedin	7913
KUDI		Great Falls	Eric McIntosh	Invercargill	8095
KXLL		Missoula	Gene Allen	Vallejo	736
KBRLL	NE	McCook	Charles Martin	Springfield Gardens	1388
KBNE	NV	Boulder City	Gene Allen	Vallejo	415
KGIX		Las Vegas	Charles Martin	Springfield Gardens	2250
KONE		Reno	Roy Millar	Bellevue	562
KWXL	NH	Concord	Frank Wheeler	Erie	430
WFPG	NJ	Atlantic City	Charles Martin	Springfield Gardens	96
WCFC		New Brunswick	Roy Millar	Bellevue	2427
KOAT	NM	Albuquerque	Eric McIntosh	Invercargill	7707
KSVF		Artesia	Gene Allen	Vallejo	1044
KLMX		Clayton	Ron Schiller	Monmouth Beach, NJ	1599
KOBE		Las Cruces	Roy Millar	Bellevue	1337
KENM		Portales	Roy Millar	Bellevue	1357
WWSC	NY	Glens Falls	Charles Martin	Springfield Gardens	182
WHDL		Olean	Frank Wheeler	Erie	86
WKIP		Poughkeepsie	Charles Martin	Springfield Gardens	63
WHDL		Tupper Lake	Charles Martin	Springfield Gardens	243
WGNC	NC	Gastonia	Gene Allen	Vallejo	2286
WHKP		Hendersonville	Gene Allen	Vallejo	2212
WBUY		Lexington	Gene Allen	Vallejo	2340
WHIT		New Bern	Frank Wheeler	Erie	513
WDEE		Rocky Mount	Gene Allen	Vallejo	2455
KLPM	ND	Minot	Charles Martin	Springfield Gardens	1442
KWMB		Williston	Ralph Perry	Fairfield, CT	1450
WJER	OH	Dover	Frank Wheeler	Erie	123
WMOH		Hamilton	Gene Allen	Vallejo	2041
WIBR		Staubenville	Charles Martin	Springfield Gardens	348
KWHW	OK	Altus	Charles Martin	Springfield Gardens	1442
KGFF		Shawnee	Charles Martin	Springfield Gardens	1293
KWRO	OR	Coolidge	Don Keskey	Springfield, NE	1440
KORE		Eugene	Laurie Boyer	Dunedin	7414
KFLW		Klamath Falls	Roy Millar	Bellevue	378
KLBM		La Grande	Frank Wheeler	Erie	1886
KSRV		Ontario	Gene Allen	Vallejo	505
KXL		Portland	Charles Martin	Springfield Gardens	2445
WEDH	PA	Erie	Charles Martin	Springfield Gardens	328
WFRB		Franklin	Frank Wheeler	Erie	50
WDAD		Indiana	Charles Martin	Springfield Gardens	271
WPAM		Pottsville	Gene Allen	Vallejo	2463
WUSN	SC	Charleston	Eric McIntosh	Invercargill	8798
WCRS		Greenwood	Laurie Boyer	Vallejo	2255
WHSC		Hartsville	Laurie Boyer	Dunedin	8752
WSPA		Spartenburg	Charles Martin	Springfield Gardens	591
WJAR	TN	Athens	Roy Millar	Bellevue	2074
WAGC		Chattanooga	Gene Allen	Vallejo	2070
WMFT		Clinton	Charles Martin	Springfield Gardens	633
WDSG		Dyersburg	Gene Allen	Vallejo	1816
WCCK		Morristown	Gene Allen	Vallejo	2160
WUNS		Murfreesboro	Gene Allen	Vallejo	1981
KRBC	TX	Abilene	Charles Martin	Springfield Gardens	1535
KRIC		Beaumont	Laurie Boyer	Dunedin	7917
KBBN		Carrizo Springs	Roy Millar	Bellevue	1791
KDNT		Denton	Gene Allen	Vallejo	1460
KCTI		Gonzales	Roy Millar	Bellevue	1822
KSAM		Huntsville	Gene Allen	Vallejo	1602
KHBL		Junction	Gene Allen	Vallejo	1380
KCYL		Lampasas	Laurie Boyer	Dunedin	7781
KHNT		Marshall	Gene Allen	Vallejo	1440
KNET		Palestine	Charles Martin	Springfield Gardens	1357
KTAP		San Antonio	Charles Martin	Springfield Gardens	1583
KSNY		Snyder	Gene Allen	Vallejo	1257
KTFE		Texarkana	Gene Allen	Vallejo	1616
KVOU		Uvalde	Gene Allen	Vallejo	1428
KURA	UT	Moab	Gene Allen	Vallejo	677
KEUB		Price	Gene Allen	Vallejo	618
KEYY		Provo	Laurie Boyer	Dunedin	7633
KDXU		St George	Laurie Boyer	Dunedin	7410
WTSB	VT	Brattleboro	Frank Wheeler	Erie	379
WFTK	VA	Front Royal	Gene Allen	Vallejo	2379
WENZ		Highland Springs	Frank Wheeler	Erie	351
WREL		Lexington	Frank Wheeler	Erie	312
WVA		Martinsville	Frank Wheeler	Erie	374
KBKW	WA	Aberdeen	Gene Allen	Vallejo	630
KBRO		Bremerton	Eric McIntosh	Invercargill	7710
KCLX		Colfax	Gene Allen	Vallejo	665
KSEM		Moses Lake	Laurie Boyer	Dunedin	7695
KRSC		Othello	Roy Millar	Bellevue	160
KOMP		Port Angeles	Charles Martin	Springfield Gardens	2491
KPUY		Puyallup	Charles Martin	Springfield Gardens	2444
KUJ		Walla Walla	Charles Martin	Springfield Gardens	2253
WHIS	WV	Bluefield	Charles Martin	Springfield Gardens	451
WTKS		Parkersburg	Charles Martin	Springfield Gardens	399
WQBC		Weirton	Charles Martin	Springfield Gardens	348
KFIZ	WI	Fond du Lac	Charles Martin	Springfield Gardens	769
WDLB		Marshfield	Gene Allen	Vallejo	1721
WRCO		Richard Center	Laurie Boyer	Vallejo	8629
KWRL	WY	Riverton	Laurie Boyer	Dunedin	7890
WPBP	PR	Mayaguez	Gene Allen	Vallejo	3690
CKOK	BC	Penicton	Gene Allen	Vallejo	810
CFJR	ON	Brockville	Frank Wheeler	Erie	164
XESS	BCN	Eneñada	Gene Allen	Vallejo	585
XECB	SON	San Luis Rio Colorado	Roy Millar	Bellevue	1118

1450 kHz
Jan. 1, 1960 to present

Date of last update: Apr 8, 1969

WDNG	AL	Anniston	Carl Dabelstein	Overland Park, KS	615
WYAM		Bessemer	Brian Bursack	Columbus, OH	450

WDLK	Dadeville
WDIG	Dothan
WFIY	Huntsville
WLAY	Muscle Shoals
KLAM	Cordova
KDAP	Douglas
KNOT	Prescott
KVSL	Show Low
KOLD	Tucson
KENA	Mena
KYOR	Blythe
KAVA	Burney
KDMN	Escondido
KPAL	Palmdale
KTIP	Porterville
KEST	San Francisco
KVML	Sonora
KVEN	Ventura
KUBD	Yuba City
KG1W	Alamogosa
KDMN	Buena Vista
WGRE	Greely
KDRW	Silverton
WNAB	Bridgeport
WRJM	Poquonock
WILM	Wilmington
WOL	Washington
WJJB	Brooksville
WVJ	Daytona Beach
WSP	Wesley
WBSR	Pensacola
WSPB	Sarasota
WTAL	Tallahassee
WCOR	Cornelia
WVHG	Milledgeville
WGGT	Savannah
WLD	Waynes
KBFI	Bonners Ferry
KVSI	Montpelier
KORI	Payette
KEEP	Twin Falls
WVON	Cicero
WKEI	Kewanee
WCVS	Springfield
WAFX	Wayne
WXVW	Jeffersonville
WASK	Lafayette
WAOV	Vincennes
KCDB	Cedar Rapids
KWBW	Hutchinson
WTCO	Campbellsville
WXL	Manchester
WPAD	Paducah
WLKS	West Liberty
KSIG	Crowley
KNOC	Natchitoches
WNPS	New Orleans
WLKN	Lincoln
WRKD	Rockland
WKIV	South Paris
WTOB	Waverland
WTHU	Thurmont
WNAS	Springfield
WATZ	Alpena
WHTC	Holland
WHIQ	Iron Mountain
WJBB	Jackson
WNBV	Newberry
WHLN	Huron
KATE	Albert Lea
KBUN	Binidji
KBMW	Breckenridge
KCLD	St Cloud
WROX	Clarksdale
WCJU	Columbia
WJXN	Jackson
WOKK	Meridian
WNAT	Natchez
WROB	West Point
KFTW	Fredericktown
WNBH	Joplin
KIRX	Kirkville
KOKO	Warrensburg
KWFM	West Plains
KXXL	Wetzel
KUDI	Great Falls
KGMY	Missoula
KRBM	Red Lodge
KTXX	Whitefish
KVCK	Wolf Point
WBE	Wesley
KNOC	Nevada
WXXL	Concord
WILN	Atlantic City
WCTC	New Brunswick
KLOS	Albuquerque
KLNK	Clayton
KOBE	Las Cruces
WCL	Corning
WWSL	Glens Falls
WHDL	Olean
WKIP	Poughkeepsie
WKAL	Rome
WATA	Boone
WGNC	Gastonia

Jim Renfrew	Rochester, NY	837
Alan Imprescia	New York, NY	914
Carl Dabelstein	Lincoln, NE	698
Tim Kerfoot	Weston, ON	780
Esa Hanninen	Lemmenjoki, Finland	3491
Gene Allen	Vallejo, CA	870
Jim Hilliker	Anaheim, CA	313
Robert Kramer	Chicago, IL	1328
Laurie Boyer	Invercargill, NZ	7348
Stephen Ponder	Ft Smith, AR	59
Jim Hilliker	Anaheim	184
Mike Hardester	NAS Miramar, CA	631
Jim Hilliker	Anaheim	67
Laurie Boyer	Invercargill	7403
Frank Merrill	Nenana	223
Esa Hanninen	Lemmenjoki	4897
Don Kaskey	San Francisco, CA	107
Dale Park	Kaneohe, HI	2538
Esa Hanninen	Lemmenjoki	4799
Frank Merrill	Milan, MI	1222
John Wilkins	Wheat Ridge, CO	84
Frank Merrill	Winnipeg	2483
Niel Wolfish	Winnipeg	167
Frank Wheeler	Winnipeg	423
Steve Goozovat	Binghamton, NY	167
Rodney Valdron	Petit Rocher, NB	740
Rodney Valdron	Petit Rocher	835
Jerry Starr	Youngstown, OH	860
Andy Rugg	Montreal, PQ	1200
Chris Lucas	Fairfield, CT	1130
Carl Dabelstein	Lincoln	897
Alan Imprescia	New York	1042
Charles Reh	Leamington, ON	810
Carl Dabelstein	Lincoln	859
Ron Musco	Windsor, CT	850
Russ Edmonds	Parsippany, NJ	720
John Wilkins	West Des Moines	946
Gene Allen	Vallejo	1860
Les Carpenter	Sandy, UT	157
Esa Hanninen	Lemmenjoki	4416
Jim Hilliker	Anaheim	626
Chris Lucas	Fairfield	755
Pete Taylor	Durham, NC	700
Russ Edmonds	Parsippany	825
Niel Wolfish	Winnipeg	884
Niel Wolfish	Winnipeg	1080
Niel Wolfish	Winnipeg	857
Charles Reh	Leamington	349
Laurie Boyer	Invercargill	8630
Jeff Tynan	Parker, CO	380
John Wilkins	West Des Moines	534
Jeff Falconer	Clinton, ON	471
Rick Carr	Austin, TX	648
Jerry Starr	Youngstown	245
Roy Millar	Marysville, WA	2000
Frank Merrill	Milan	883
Charles Reh	Leamington	934
Rodney Valdron	Petit Rocher	220
Steve Whitt	Anglesey, North Wales	3013
Rodney Valdron	Petit Rocher	340
Rodney Valdron	Petit Rocher	860
Charles Reh	Leamington	318
George Walton	Easton, PA	180
Rich Eddie	St Louis	570
Carl Dabelstein	Omaha, NE	514
Niel Wolfish	Winnipeg	548
Ron Musco	Windsor	580
Russ Edmonds	Parsippany	675
Ron Musco	Windsor	605
Niel Wolfish	Winnipeg	512
Gary Atkins	Louisville, KY	805
Morris Sorensen	Leaf Rapids	755
Morris Sorensen	Leaf Rapids	675
Andy Rugg	Waterloo, ON	820
Charles Reh	Leamington	845
Charles Reh	Leamington	779
Carl Dabelstein	Omaha	679
Bill Lackey	Kingsville	485
Jerry Starr	Youngstown	685
Carl Dabelstein	Omaha	388
Niel Wolfish	Winnipeg	902
Niel Wolfish	Winnipeg	730
Paul Mount	Teaneck, NJ	1055
Tom Sundstrom	Willingboro, NJ	960
Laurie Boyer	Invercargill	843
Esa Hanninen	Lemmenjoki	4113
Gene Allen	Vallejo	745
Gene Allen	Vallejo	840
Roy Millar	Marysville	382
Niel Wolfish	Winnipeg	357
John Wilkins	Wheat Ridge	442
Frank Merrill	Nenana	2110
Jeff Falconer	Clinton	3982
Esa Hanninen	Lemmenjoki	3982
Rodney Valdron	Petit Rocher	665
Laurie Boyer	Invercargill	7703
Frank Merrill	Milan	1109
Tim Hall	Chula Vista	593
Greg Coniglio	Clarence, NY	92
Charles Reh	Leamington	542
Charles Reh	Leamington	282
Rodney Valdron	Petit Rocher	580
Greg Coniglio	Clarence	165
Robert Kramer	Chicago	519
Charles Reh	Leamington	463

WHVH	Henderson	Andy Rugg	Montreal	695
WHKP	Hendersonville	Frank Merrill	Milan	469
WNOS	New Bern	Greg Coniglio	Clarence	548
WFBS	Spring Lake	Charles Reh	Leamington	528
KGCA	ND Rugby	Roy Millar	Marysville	1034
KBMW	Hampton	Esa Hanninen	Lemmenjoki	3969
WJER	OH Hamilton	Jeff Falconer	Clinton	214
WMOH	WMOH	Niel Wolfish	Winnipeg	1008
WLEC	Sandusky	Jeff Falconer	Clinton	161
KWHW	OK Altus	Niel Wolfish	Winnipeg	1055
KGFF	Shawnee	John Wilkins	Wheat Ridge	526
KS1W	Woodward	Niel Wolfish	Winnipeg	927
KKKO	OR Eugene	Esa Hanninen	Lemmenjoki	4479
KFLS	OR Klamath Falls	Esa Hanninen	Lemmenjoki	4596
KBPS	PA Portland	Tim Hall	Fairfield	8
WWGO	PA Erie	Chris Lucas	Troy, NY	360
WFRN	PA Franklin	Chris Lucas	Troy, NY	330
WDAD	PA Indiana	Richard Waterman	Southwick, MA	320
WPAM	PA Pottsville	Chris Lucas	Ithaca	120
WMPT	PA South Williamsport	Frank Merrill	Toledo, OH	357
WJPA	PA State College	Rodney Valdron	Petit Rocher	770
WKRI	RI West Warwick	Don Voorhies	Oswego, NY	300
WQSN	SC Charleston	Don Voorhies	Oswego	300
WCKS	SC Greenwood	Andy Rugg	Montreal	530
WHSC	SC Hartsville	Frank Merrill	Milan	545
WQOK	SC Myrtle Beach	Carl Dabelstein	Omaha	973
KBFS	SD Belle Fourche	Jim Renfrew	Rochester	655
KYNT	SD Yankton	Carl Dabelstein	Omaha	478
		Niel Wolfish	Winnipeg	485
		Tim Hall	Winnipeg, MB	(Tie) 485
WLAR	TN Athens	Charles Reh	Leamington	394
WMOC	TN Chattanooga	Rick Carr	Austin	802
WDSG	TN Dyersburg	Frank Merrill	Milan	519
WSMG	TN Greeneville	Carl Dabelstein	Lincoln	821
WGNS	TN Murfreesboro	Carl Dabelstein	Lincoln	656
KAYC	TX Beaumont	Eric McIntosh	Invercargill	8026
KBEN	TX Carrizo Springs	Carl Dabelstein	Lincoln	865
KCTI	TX Gonzales	Bill Hale	Converse, TX	47
KMBL	TX Junction	Roy Millar	Marysville	1680
KCYL	TX Lampasas	Stephen Ponder	Ft Worth	140
KNET	TX Palestine	Rich Eddie	St Louis	620
KSNY	TX Snyder	Brett Hanavan	Chula Vista, CA	942
KURA	UT Moab	Carl Dabelstein	Omaha	761
KEYY	UT Provo	Jim Hilliker	Anaheim	558
KDKU	UT St George	Bill & Nancy Hardy	Aberdeen	860
WSNO	UT Barre	Rodney Valdron	Petit Rocher	410
WTSR	VT Barre	Jeff Falconer	Clinton	452
WFTR	VA Front Royal	Rich Eddie	St Louis	645
WENZ	VA Highland Springs	Frank Merrill	Milan	461
WREL	VA Lexington	Niel Wolfish	Winnipeg	1260
WMVA	VA Martinsville	Greg Coniglio	Clarence	439
WF0G	VA Suffolk	Chris Lucas	Ithaca	400
KAYO	WA Aberdeen	Esa Hanninen	Lemmenjoki	4291
KOLA	WA Colfax	Bill Hardy	Aberdeen	306
KONP	WA Port Angeles	Esa Hanninen	Lemmenjoki	4209
KAYE	WA Puyallup	Pete Taylor	San Francisco, CA	272
WBBB	WV Madison	Frank Merrill	Holland, OH	653
WPAR	WV Parkersburg	Jim Renfrew	Rochester	318
KFTZ	WI Fond du Lac	Morris Sorensen	Leaf Rapids	1055
WHRY	WI Hurley	Niel Wolfish	Winnipeg	442
WRLB	WI Marshfield	Niel Wolfish	Winnipeg	525
WRCD	WI Richland Center	Niel Wolfish	Winnipeg	593
KBBS	WY Buffalo	Gene Allen	Vallejo	915
KVOW	WY Riverton	Carl Dabelstein	Lincoln	620
CFHC	AB Canmore	Roy Millar	Marysville	320
CBXC	AB Coleman	Roy Millar	Marysville	458
CKYR	AB Jasper	Roy Millar	Marysville	413
CBKS	BC Cache Creek	Tim Hall	Near Ashcroft, BC	15
CHET	BC Chetwynd	Frank Merrill	Nenana	1107
CBXH	BC Cooper Creek	Roy Millar	Marysville	413
CHBV	BC Houston	Esa Hanninen	Lemmenjoki	3813
CKSP	BC Summerland	Tim Hall	Banff, AB	207
CBG	BC Gander	Olle Ala	Gotaborg, Sweden	2693
CFAB	NS Windsor	Steve Whitt	Sheigra, Scotland	2604
CFJR	ON Brockville	Charles Reh	Leamington	387
CHUC	ON Port Hope	Rodney Valdron	Petit Rocher	660
CJHM	PQ Causapsal	Andy Rugg	Montreal	240
CHER	PQ Chertouville	Esa Hanninen	Lemmenjoki	3549
CHRT	PQ St. Eleuthere	Rodney Valdron	Petit Rocher	165
XESS	BCN Ensenada	Richard E. Wood	Hill	3128
XECB	SON San Luis Rio Colorado	Tim Hall	Rancho Bernardo, CA	1333
VSB1	BER Hamilton	Esa Hanninen	Lemmenjoki	4179
R.	Antilles St Vincent	Steve Whitt	Anglesey	4135



One Bala Plaza, Bala Cynwyd, PA 19004



FM DX

Digest *DX on the FM band, from April through September*

Eric Bueneman

5002 Cross Ridge Ct.
Woodstock, GA 30188-4380

After a three-year hiatus, FMDX is back! Thanks to Mike Knitter and Paul Swearingen for the good words, and to Ernie Cooper, who originally edited this column. This edition, FMDX presents a round-up of FM DX from Woodstock between September 1988 and March 1989. Without further fanfare, here we go!

SPECIAL

- 95.7 tr WQWP GA VALDOSTA-3/15 0041 good to fair with WNGC-95.5 splash with CHR, local ads, "Power 96" non-IDs. ex-WLGA, 95.9. (EB-GA)
- 98.1 tr KMPZ AR OSCEOLA-3/24 2001 fair with WSIX-97.9 splash with CHR, "All Hit Z-98, KMPZ, Memphis' fastest growing radio station" non-IDs, ex-KWLN. (EB-GA)
- 98.9 gw WQMT GA CHATSWORTH-Moved here 12/12/88, ex-99.3. (EB-GA)
- 101.9 qz WSGC GA RINGGOLD-3/1 1700 good with rock oldies, "Solid Gold Chattanooga" non-IDs, new station. (EB-GA)



MIDDAY-MIDNIGHT

- 88.7 tr WRWA AL DOTHAN-3/25 2349 very good with jazz, local promos, PSAs, Alabama Public Radio ID, then stations IDed individually, local WRAS-88.5 off. (EB-GA)
- 89.5 tr WMAE MS BOONEVILLE-9/17 2317 fair between WRFG-89.3 and WDYN-89.7 with jazz, Mississippi Public Radio ID, with individual station IDs. (EB-GA)
- 89.9 tr KDAQ IA SHREVEPORT-11/13 2115 fair with WABE-90.1 splash with pledge break, classical music //KLSA-90.7. (EB-GA)
- 90.7 tr KLSA IA ALEXANDRIA-11/13 2106 good with no WSMC-90.5 splash with classical music, pledge break //KDAQ-89.9. (EB-GA)
- 92.3 tr WLWI AL MONTGOMERY-3/25 2120 good with no WDEF with C&W music, call letter IDs. (EB-GA)
- 92.5 tr WQST MS FOREST-3/25 1742 good to fair with C&W music, local ads, "Mississippi Country 92" non-IDs. (EB-GA)
- 93.7 tr WFBC SC GREENVILLE-9/14 1406 good over WDJC with AC music, "93.7 WFBC-FM" non-IDs. (EB-GA)
- 94.5 tr WMOU SC GREENVILLE-9/17 2315 fair with REL, mention of simulcast with WMOU-1260. (EB-GA)
- 95.7 tr WFEF AL TUSCALOOSA-3/25 2328 fair with WNGC-95.5 splash with a rock oldies show, call letter IDs. (EB-GA)
- 97.5 tr WEAZ TN KNOXVILLE-9/17 2257 good with EZL music, "EZ 97" non-IDs. (EB-GA)
- 98.1 tr WXYZ LA BATON ROUGE-11/13 2037 good with local ads, weather, "Z-98" non-IDs, CHR. (EB-GA)
- 99.3 gw WCON GA CORNELIA-12/18 1530 good with local ads, call letter IDs, C&W music, regular since WQMT moved to 98.9. (EB-GA)
- 100.3 Ez KTXF TX BROWNSVILLE-1/14 1355 good over WVNA-FM with C&W music, "K Tex FM 100" non-IDs, RGHF-4 also in. (EB-GA)
- 100.2 tr WVNA AL TUSCUMMIA 2/26 1621 good with CHR, "V-100" non-IDs. (EB-GA)
- 101.1 tr WJWR KY RUSSELLVILLE 9/14 1353 good over WCKN with C&W music, "Power 101" non-IDs. (EB-GA)

- 101.9 tr WHHY AL MONTGOMERY-3/25 1824 good over WSGC with CHR, "Y-102" non-IDs, //WHHY-1440. (EB-GA)
- 101.1 tr KRNB TN MEMPHIS-3/24 1953 fair over WFMH-FM with UC music, "Magic 101" non-IDs. (EB-GA)(NOTE: This log is out of sequence.)
- 102.7 tr WXBM FL MILTON-1/23 1535 good to fair with C&W music, ads for Pensacola, call letter IDs. (EB-GA)
- 102.9 tr WYCO TN SHELBYVILLE-3/26 1617 fair with WNRK with C&W music, jingle ID "C-103". (EB-GA)
- 103.3 tr WKDF TN NASHVILLE-12/31 good to fair with WSYA-FM with AOR, "KDF" non-IDs, local WVEE off. (EB-GA) (Time: 2159.)
- 103.5 tr WIMZ TN KNOXVILLE-12/31 2329 fair with AOR, "104-WIMZ" non-IDs, //WIMZ-1240, local WVEE-103.3 off. (EB-GA)
- 103.7 tr WQEN AL GADSDEN-3/26 1620 good with "Q-104" non-IDs, CHR. (EB-GA)
- 104.3 tr WZYP AL HUNTSVILLE-3/25 2122 good with slight WEKS-104.1 splash with "ZYP" non-IDs, CHR. (EB-GA)
- 105.1 tr WQSB AL ALBERTVILLE-3/26 1623 good with call letter IDs, C&W music. (EB-GA)
- 105.7 tr WZHT AL TROY-3/25 1925 good with no WCHK-105.5 splash with UC music, "Hot 105" non-IDs. (EB-GA)
- 106.9 tr WKXX AL BIRMINGHAM-3/25 1922 fair with WYAY-106.7 splash with CHR, "Kix 106" non-IDs. (EB-GA)
- 107.7 tr WENN AL BIRMINGHAM-9/7 1405 good with UC music, "Win FM" non-IDs. (EB-GA)
- 107.7 tr WIVK TN KNOXVILLE-10/10 fair with C&W music, call letter IDs, mention of AM 990. Both WIVKs are \$. (EB-GA)
- 107.9 tr KE7A AR FAYETTEVILLE-9/7 1400 good over WPEF with "EZ 108, KE7A Fayetteville-Port Smith" legal ID. (EB-GA)

MIDNIGHT-MIDDAY

KEXL
Stereo FM 106.7

- 89.3 tr WLRH AL HUNTSVILLE-3/26 0002 fair with WRFG with jazz. (EB-GA)
- 90.3 tr WMAV MS OXFORD-3/25 0216 good between WABE-90.1 and WSMC-90.5 with jazz. (EB-GA)
- 91.3 tr WJTG GA FORT VALLEY-3/25 0254 good with WKMS with REL, legal ID, UPI ax, format fed from Skylight network via satellite. (EB-GA)
- 91.3 tr WKMS KY MURRAY-3/25 0251 good with WJTG with soul mx program. (EB-GA)
- 92.5 tr WBKR KY OWENSBORO-11/15 0022 good with call letter ID, C&W music, WIL-92.3 also in. (EB-GA)
- 93.7 tr KSD MO ST. LOUIS-fair with WJMC/WFIC-FM with Classic Rock, "93-7 KSD" non-IDs. (11/15 0150, EB-GA)
- 94.5 tr WBYZ GA BAXLEY-9/18 0106 fair with "Z-94" non-IDs, C&W music. (EB-GA)
- 94.5 tr WLAP KY LEXINGTON-9/22 0057 good with call letter IDs, CHR. (EB-GA)
- 94.5 tr KWKH LA SHREVEPORT-11/14 0013 good with "Radio Ranch" non-IDs, C&W music, //KWKH 1130. (EB-GA)
- 95.5 tr WSM TN NASHVILLE 9/18 fair with WNGC with C&W music, "Nashville 95" non-IDs. (EB-GA)
- 96.5 tr WMJJ AL BIRMINGHAM-9/22 fair with WJOD-FM with AC, "Magic 96" non-IDs. (EB-GA)

MIDNIGHT-MIDDAY (continued)

97.5 tr WABB AL MOBILE-11/25 good with call letter IDs, CHR, DJ on the air at the time called me a week later! (EB-GA)

97.5 tr KQUS AR HOT SPRINGS-11/14 0155 good to fair with "US-97" non-IDs, C&W music, "KQUS Hot Springs-Little Rock" ID into CBS News. (EB-GA)

98.1 tr WRAY IN PRINCETON-11/15 good with "WRAY-FM 98" non-IDs, rock oldies, no sign of KYKY. (EB-GA)

98.1 tr KTAL TX TEXARKANA-2/1 0322 fair over WGGZ with ads for Shreveport, LA, "98 Rock" non-IDs, AOR. (EB-GA)

98.1 tr WKQQ KY LEXINGTON-9/18 0058 good with legal ID, AOR. (EB-GA)

99.1 tr KMAG AR FORT SMITH-12/21 0200 good with "The Country Giant, KMAG Fort Smith" legal ID, mention of KWHN-1320, C&W music. (EB-GA)

99.5 tr WRNO LA NEW ORLEANS-11/17 0212 fair with WAPW-99.7 splash with call letter IDs, AOR //WRNO Worldwide. (EB-GA)

99.9 tr WKRG AL MOBILE-11/25 0100 fair to good with WAPW-99.7 splash with "G-100 is WKRG-FM Mobile" legal ID, AC music. (EB-GA)

100.1 tr WGSY AL PHENIX CITY-3/27 0134 fair with AC music, "Sunny 100" non-IDs. (EB-GA)

100.3 tr WOKI TN OAK RIDGE-9/22 0102 good with CHR, "OK 100" non-IDs. (EB-GA)

100.5 tr WHMA AL ANNISTON-3/27 0144 good with WUSY-100.7 splash with C&W music, "Alabama 100" non-IDs. (EB-GA)

100.5 tr WSSL SC GRAY COURT-3/27 0200 popped up under WHMA-FM with "Whistle 100 is WSSL Gray Court-Greenville-Spartanburg" legal ID, C&W music. (EB-GA)

101.1 tr WNOE LA NEW ORLEANS-11/17 0212 fair with "WNOE-FM 101 and AM 1060" non-ID, C&W music. (EB-GA)

102.1 tr WDRM AL DECATUR-9/18 0115 fair with call letter IDs, C&W music. (EB-GA)

102.5 tr WZBQ AL JASPER-3/25 0222 good with CHR, "Z-102" non-IDs, //WZBQ-1150. (EB-GA)

102.5 tr KEZK MO ST. LOUIS-11/15 0125 good over WZBQ with local history note, St. Louis weather, "EZ-102" non-IDs, BFL music. (EB-GA)

104.5 tr WRVR TN MEMPHIS-2/1 0246 fair with call letter IDs, AC music. (EB-GA)

104.5 tr WGFY TN GALLATIN-3/27 0140 fair with Classic Rock, "Fox 104.5" non-IDs. (EB-GA)

104.7 tr WZZK AL BIRMINGHAM-10/11 0202 good with "WZZK and WZZK-FM Birmingham" legal ID, C&W music, WZZK-610 in very good. (EB-GA)

104.7 tr WRBQ FL TAMPA-3/15 0032 good over WZZK-FM with Community Calendar, mentions of St. Petersburg and Tampa, "Q-105" non-IDs, CHR, WRBQ-1380 in under WAOK. (EB-GA)

104.9 tr WFXE GA COLUMBUS-3/27 0138 fair with UC mix, "Foxy 105" non-IDs. (EB-GA)

105.5 tr WLMX GA ROSSVILLE-10/11 0150 good with AC music, "Light Mix 105" non-IDs, will also be on AM 980. (EB-GA)

MIDNIGHT-MIDDAY (continued)

105.7 tr WZNY GA AUGUSTA-10/22 0110 fair over WZHT with AC music, "Sunny 105" non-IDs. (EB-GA)

105.7 tr KSTZ MO STE. GENEVIEVE-11/15 0029 good over WZHT with AC/CHR mix, "St. Louis Music on KSTZ" non-ID, only on-air DJ is Larry London (AM drive), antenna is 1376 feet above average terrain. (EB-GA)

105.9 tr WLAC TN NASHVILLE-9/14 0310 fair with AC/CHR mix, "106 WLAC-FM" non-IDs. (EB-GA)

105.9 tr WGKX TN MEMPHIS-3/25 0058 fair over WLAC-FM with "Kix 106, WGKX Memphis" legal ID at 0100, Country Today program. (EB-GA)

TONIGHT'S WINNING LOTTERY NUMBER:

(EB-GA) Eric Bueneman, Woodstock, GA (DX-400, amplified rabbit ears)

ABBREVIATIONS USED IN FMDXD: AC-Adult Contemporary, AOR-Album oriented Rock, CHR-Contemporary Hit Radio, UC-Urban Contemporary, Au-Auroral Scatter, Es-E Skip, MS-Meteor Scatter, tr-Tropospheric Enhancement, F2-F2 Skip, 2E-Double hop E-Skip, AS-Airplane Scatter.

NOTES FROM THE FMDXD DESK:

It's all current DX from here on out! Current DX must not be more than 90 days old (instead of 30 days in DDXD-East), and all call changes must be noted. Please submit your loggings in frequency order, and in the order shown in this FMDXD (Special, Midday-Midnight, and Midnight-Midday). Deadlines are on Mondays, one week before the DX NEWS deadline. Deadlines will be May 15, June 12, July 10, August 7, September 11, and another deadline will be announced in a future FMDXD.

For those of you WDX Monitors in the NRC, my call is KDX/STL/4.

This wraps up the special FMDXD look at the fall and winter's FM DX from Woodstock. For you map buffs, it is located 25 miles NW of Atlanta and 75 miles SE of Chattanooga, TN, one mile north of the Cherokee-Cobb County line.



73 and good DX,

Eric Bueneman

Eric Bueneman

WCAV FM 88
WBET

Wednesday, March 29, 1989 / MILWAUKEE SENTINEL / PART 1, PAGE 3

Radio veteran, voice of Sky King character dies at 68

■ Earl Nightingale, a radio commentator, pioneer in producing motivational audiotapes and the voice of the adventure character Sky King during the 1950s, has died at age 68 in Arizona.

The gravel-voiced broadcaster died Saturday at Scottsdale Memorial Hospital of complications following heart surgery.

After serving in World War II, where he was

one of only 12 Marines to survive the 1941 attack on the USS Arizona in Pearl Harbor, he began a daily show, "Our Changing World," on radio station WGN in Chicago. It went into syndication in 1949 and continues today. From 1950 to 1954, Nightingale was the radio voice of "Sky King," an adventure about a rancher who used an airplane to battle bad guys.

--via Mike Knitter

Verification Signers

Wayne Heinen

4131 S. Andes Way
Aurora, CO 80013

Signatures and other information received upon request

Freq.	Call	Signer	Contributor	1170	WWVAq	U/I	BW		
530	CJFTJ	William McDougall	CE	RT	1200	WOAIq	John Furr	TD	PT
540	KKGOI	Robert F. Turner	DoE	MF	1210	KONYI	Carl Lamar	GM	WH
540	WGTOq	Tom Bohannon	CE	RT	1220	WFWLIm	Ron Lane	GM	JT
540	XEWAlnz	Ing. Miguel Angel	Barrientos	BW	1220	WGARqb	Robert Wolfe	CE	RT/BW
550	WASGImb	R. Dale Gehman		ALL	1230	WMPClz	Kurt J. Haase	CE	RT
560	WJLSfmbu	Charles Marlow	CE	RV	1250	WTAElb	U/U		PT
580	CFRAqb	George Roach	CE	RT	1260	KAFXf	U/U		PT
580	KALBb	Bill Lynch	GM	PT	1260	WNDElb	Mike Rabey	CE	RT
590	WKHXru	Charles A. Nettleman Jr	ACE	RT	1270	KTFIlb	Terry M. Vics	P/GM	0W
590	WMBsqmz	U/U	CE	RT	1280	KCNlImbz	Cheryl E. Smith	GM	RV
600	KKLQq	U/U		WH	1280	WNPTI	Cindy Perkins	OFM	RT
610	KFRCP	Bob Fuller	ESu	MF	1290	WCHYIm	Martin Foglia	CE	RT
610	WIODlb	Mitch Wein	CE	RT	1300	KROPlb	Stephen Stodelle	GM	MF
620	WKNNlmb	Joe Harrison	GM	RT	1300	WOODfb	Donald Missad	CE	BW
630	KHOWH	Frederick M. Baumgartner	CE	MF	1310	KFKAlb	Randy Keim	PD	PT
630	KOHI	Fred H. Taft	PD	MF	1320	KVMCI	Jim Baum	O	0W
660	KGDP1	Sherwood Patterson	VP/GM	MF	1320	KXOLLbz	Carlton Cordell	GM	0W
660	KSKYIb	Michael L. Doyle	CE	RT	1320	KXYZI	George Schank	TD	RT
660	KTNNbxul	Freddie Howard	GM	JT	1330	KFACI	Robert S. Goldfarb	DoOp	MF
660	KTNNqb	Freddie Howard	GM	PT	1330	KGAKq	Jeff Heck		PT
660	WMICqz	Paul Osentoski	E	BW	1330	KSWAlb	James M. Jones	P/GM	0W
670	KWNKI	M.A. Cabranes	GM	MF	1330	WNYM1	Al Gordon	StuOp/E	FW
680	WCNNq	Bob Mayben	CE	RT	1330	WSSYIm	Kent D. Gustafson	GOPM	FW
690	WVOK1	Jimmy Vineyard	PD	PT	1350	WSLRq	Daniel R. Kriger	CE	RT
710	KMPCq	U/U		WH	1360	WSAIf	Ray Winters	CE	BW/PT
710	WHBIZ	R.L. Cleary	CE	JT	1370	KPOSI	John McCullough	GM	PT
730	KKDAI	Paul N Strickland	CE	0W	1370	KRAFI	Jeremiah Creech	GM	PT
730	WFMCRu	U/U	GM	RV	1370	WDEFI	M. Jones Fuquay	GM	RT
740	CBLqz	L. Rogers Aud	Rel	RT	1370	WWCB1	Bruce L. Hullihen	Tres.	BW
740	KISZ1	Dan Kelley	GM	0W	1400	KCOWpbf	U/U		0W
740	KRMGq	U/U	RV//	RT/PT	1410	WHLNlmbz	James T. Morgan	P	RT
790	KUTAlu	Phil Mueller	P/GM	JT	1410	WINGIb	Rob Ellis	PD	RT
800	KQADru	U/U		0W	1420	KJCKIbu	Dave Weise	CE	0W
800	WSVSlbmu	Joe Wilson	MxD	RV	1420	KSTNIb	Knox LaRue	P	0W
830	KBOAlmb	Johnnie R. Newton	CE	RT	1420	WVJSlb	Jeff Arnett	CE	RT
830	KFLTI	Steve Sorenson	AM	0W	1430	KLOlmb	Don Hill	PD	0W
830	XEVQIn	Dora Leticia (name con't		MF	1430	WIREq	U/U		RT
830	XEVQIn/	Carrillo Beltran, Gte.		MF	1430	WLKFlmbz	Paul Jeffrey Rebmann	CE	RT
840	WVPOlu	Chuck Seese		RV	1440	WNYGib	John Blake	DoE	WH/TF
850	WUTKImz	Joseph G. Buchman (NRC)		RT	1450	CHEFz	Paul Lebrecque	PD	0W
860	KKOWfmbz	Vance C. Lewis	APD	RT	1450	KWBEIm	Greg Gillispie	PD	0W
860	KTRBlp	Stephen E. Minshall	CE	MF	1450	WILMI	Allan R. Loudell	PM	TF
900	WKXVlmbz	Nancy Ford	OFM	PT	1470	KDHN1	Wayne Collins		PT
900	WYCVI	Gary M. Curtis		RT	1470	KYUUI	Larry Stonciph	PD	0W
920	KENTlmbz	Ben G. Ray	M	0W	1480	WDAStbmu	Noel Houston		RV
930	WRXJlb	Kyle D. Dickson	CE	RT	1490	KXARI	Mark Keith	OpM	PT
950	KPRCq	Jon Bennett	CE	RT	1490	WGCDIb	Robert L. Heinein	GM	RT
950	WSPAqu	U/U	CE	RV	1510	KANSr	Dennis Franz	Conse	JT
960	WERCq	James E. Gray	CE	RT	1510	KCCVIm	Ed Treese	CE	WH
960	WSBYqmbu	Colin Lewis	PD	RV	1520	KOMAq	Dennis K. Pharr	CE	MF/BW
970	KCFOI	Kenneth A. Staley	GM	0W	1540	KNNTIb	Palmer Johnson	CE	PT
970	WJMXlmbz	Ken Evans	ACE	RT	1540	KXELq	John Humpal		BW
990	KAYLJu	Art Beaulieu	CE	0W	1540	WKIElmbu	Michelle Spencer	GM	RV
1010	CHEClmb	Peter J. Brown	CE	JT	1550	WCSJlb	Randy Ness	OpM	BW
1010	KHLTI	Norm Laramee	CE	PT/WH	1550	WOKJI	Donna Fuller	Seey	PT
1030	WXSSI	T. Smith	PD	RT	1580	WAMJl	Gary Ewald	CE	BW
1050	KCAsC	Margie Orr		0W	1580	WPMOfxb	Brenda Green		BW/RT
1050	KLPLI	Anita B. Smutz		PT	1590	KQYKI	Monte L. Lyons	PD	PT
1050	WTPOlmbz	Peter L. Sausville	GM	RT	1590	KYOKI	David Rowland	ACE	PT
1070	CFAXIb	Dan Roach	DoE	WH	1590	WVNAfm	James Alan	CoP	RT
1090	KAAYq	Felix McDonald	CE	BW	1600	WBBDI	Jack Rees	CE	RT
1110	CKTYIb	John Visser	TM	BW/TF	1600	WKWFIlb	Damon L. Collins	PD	RT
1120	KMOXI	Paul J. Grundhauser	TM	BW	1600	WSNXlmb	Lynn J. Kolk	CE	RT
1130	WMGAlmz	Douglas M. Sutton Jr	O/GM	RT					
1140	CJTRbmu	Richard Lachance	PD	RV					
1160	WAMBImu	Gary Brown	TD	RT					
1170	WCTFI	John Ramsey	CE	TF					

Contributors to Verie Signers ...

Initial	Name	Loc	
BW	Bob Walker	MI	
FW	Frank Wheeler	PA	
JT	Jeff Tynan	CO	
MF	Martin Foltz	CA	
0W	John Wilkins	CO	
PT	Phil Tallman	OK	
RT	Robert Tiara	NC	
RV	Robert Vance	VA	
TF	Tony Fitzherbert	CT	
WH	Wayne Heinen	CO	

Initial	Meaning
A	Assistant (when combined)
Adm	Administrative
Bkr	Bookkeeper
Bus	Business
C	Chief
Con	Continuity
CtrE	Contract Engineer
Conse	Consulting Engineer
D	Director
DJ	Disc Jockey
E	Engineer
Eng	Engineering
Ex	Executive
G	General
iCg	in Charge
M	Manager
Mx	Music
Nx	News
O	Owner
o	of
Of	Office
Ofcr	Officer
Op	Operator
P	President (used alone)
P	Program (when Combined)
PAf	Public Affairs
Pr	Promotion
Prd	Production
Sec'y	Secretary
SlS	Sales
Su	Supervisor
Sx	Sports
T	Technician (used alone)
Stu	Studio
T	Technical (when combined)
Trf	Traffic
VP	Vice President

Small Letter	Meaning
b	Bumper or Window Sticker
c	Hand or Typewritten Post card
e	English Reply
f	Form Letter
h	Signer is a ham op
l	letter
m	Coverage Map
n	Non English Reply
p	Self Prepared Card
q	Pre printed QSL card
r	DX'ers report returned as the QSL
s	Record Survey
t	T-Shirt
u	Result of Follow Up report
v	personal visit
x	Vague verification
z	Assorted Promo Material

Capital Letter	Meaning
/	Two Titles
A	Announcer (when used alone)

Reprints

The NRC Publication Center announces the following changes to the Reprint List, so take out your reprint list and make the following changes:

Change the following page counts:

Reprint A25	(4) to (3)	
Reprint A43	(16) to (10)	typo error in reprint section in catalog
Reprint M2	(1) to (2)	
Reprint M12	(5) to (4)	
Reprint D20	(4) to (3)	
Reprint R29	(7) to (5)	

Delete the following two reprints:

- Reprint R7
- Reprint L1

Add the following to your Reprint List:

D21 **What Makes for a DX Test?** Wayne Heinen. A look at what happens at a radio station during a test. (1)

D22 **Format Futures.** Chris Cuomo. A look at what the radio formats may look like in the 1990s. (2)

R47 **Add a Tuning Meter to Your Receiver.** Ray Cole. Shows how to add a meter to your radio for accurate tuning. (1)

R48 **CW and Beacons on Crystal.** Ray Cole. Build a crystal set that pulls in those signals below the BCB band. (1)

R49 **Increasing the Performance of the Radio Shack TRF by the use of Thermionic Devices.** John H. Rose. An April Fools technical article increasing the reception by adding different devices to your radio. (2)

R50 **R71A Speaker Modification.** Herman Plew. Throw that sound in the right direction with this modification. No technical knowledge needed. (1)

R51 **Selectivity vs. Fidelity for the Domestic BCB DX'er.** Neal A. Perdue. What is Selectivity? What is Fidelity? You'll get the answers in this article. (1)

R52 **Yet Another Use For The Autek Research QF-1A Active Audio Filter.** Neal A. Perdue. Clean up those DX catch cassettes, even old records!, with this recommendation. (1)

R53 **The RBL and the 392/URR, A Symbiotic Relationship or New Uses for Test Point E203.** John H. Rose III. Technical article using the RBL VLF receiver and the 392/URR receiver in a series of experiments. (3)

More as it happens. Many, many more to be added to the big list; watch these pages for details.

WBET AM 1460
AVJM

THE EFFECTS OF WEATHER ON THE IONOSPHERE

60 MAIN STREET • P.O. BOX 787
E. ROCKTON, MA 02403

by Jack Woods

What is the relationship between DX conditions and the weather? That question has been studied for over 50 years.

By 1930, some characteristics of the ionosphere were well known. The D, E, and F regions had been identified by radio signal reflection measurements essentially as they are known today. Researchers were observing the changes over time of radio propagation and were looking for causes. Some looked for a correlation between radio signal propagation and the weather conditions in the lower atmosphere.

Some correlation was found. In general, it was learned that changes of barometric pressure as measured at ground stations would correlate with with radio signal propagation changes.

At the U.S. Bureau of Standards in Washington, DC, it was noted that increased signal strengths from European LW radiotelegraph stations accompanied or followed the passage of low barometric pressure areas. During the period 1924 through 1929, signal strengths at the times of passage of atmospheric lows were studied. The signal sources were LF stations in France, Germany, England, and Holland. The radio path is a multi-hop path with the last ionospheric reflection off the coast of Maine. In all cases, a rise in signal strength after passage of a low was noted. The variation of signal was 25 to 100 percent. Periods of severe magnetic disturbances or local thunderstorms were not included.

At about that same time, two researchers at the University of West Virginia at Morgantown, WV, studied the signal received from radio station KDKA in Pittsburgh. For three years they continuously recorded the signal strength and also the weather conditions in the area. They found a close correlation between barometric pressure and nighttime signal levels. A low pressure area to the north of Morgantown was accompanied by higher signals. They observed that the signal levels could be used to predict the Morgantown weather 12 to 24 hours ahead. A rising signal after nightfall would indicate an approaching storm. A falling signal would precede fair weather. Only about 5 percent of their predictions were in error. Those were associated with the rare storms which came from the south.

In more recent times, at the ESSA Research Laboratories, Boulder, CO, a study was made of a relationship between ionospheric disturbances

and strong thunderstorms. The ionospheric disturbances were observed as fluctuations in the frequencies of HF radio waves reflected from the F region. The thunderstorms below the ionosphere reflection points were recorded by weather radar. Analysis of one year of continuous data showed a convincing connection between the ionospheric oscillations and thunderstorm cells with tops over 40,000 feet. The turbulence associated with cumulus cloud formation was suggested as the cause.

At the University of Camarino, Italy, daily observations were made for about one year of the ionospheric reflection heights of 100 meter waves. Reflection was found to be from the E region during the day and from the F region at night. Remarkable variations from one day to another occurred at the time near sunset when the reflections were passing from the E to the F region. Reflections from the E layer sometimes continued for a long time after sunset. Other days, after disappearing at sunset, E layer reflections would again appear a few hours after sunset. That was evidence of remarkable increases of ion density in the E region after the ionizing radiation from the sun had ceased. Comparison of the data obtained from about 330 days' observations with prevailing weather observations led to the following conclusions: the unusual increases of E region ion density occurred when low barometric pressure existed at the place of observation or to the north of it. When a low pressure area was to the south, the E layer reflections ceased in the shortest time. In about 330 days of observations there were only some ten exceptions.

At the Zi Ka Wei Observatory at Shanghai, China, investigators found a correlation between radio wave reflections from the ionosphere and the future movement of the three main air masses which affect the weather; polar, maritime, and tropical. A pulsed radio signal was directed at the ionosphere and the time of reflections was measured. An E layer return would indicate that the maritime (Pacific Ocean) air mass would arrive. When an F echo was obtained, the polar (Siberian) air mass would make the weather. An F2 echo meant arrival of tropical air. Knowing the category of air mass due to make the weather, they could predict its future characteristics; wet or dry, clear or cloudy, with higher or lower temperatures, etc.

Those results found in China were verified in part by an investigation at the U.S. Army Signal Engineering Laboratories, Fort Monmouth, NJ, during the 1950s. That study found a statistical correlation between the height and critical frequency of the F2 layer and the passage of cold fronts. The F2 layer height was found to be reduced during cold front passage. Generally, about two days after cold front passage a tropical or modified polar air mass prevailed. There was an increase in critical frequency during cold front passage. That indicated an increase of the intensity of ionization. The probable explanation of this relationship between the lower atmosphere and the ionosphere is briefly as follows: there is a wave motion aloft represented by cold low pressure troughs and warm high pressure ridges. That wave motion is coupled into the ionosphere and amplified.

The preceding paragraphs are condensed examples of articles in the technical literature which concern the relationship between radio wave propagation and the weather. That relationship is seldom mentioned in radio textbooks. An exception is Terman's Radio Engineers Handbook. Under the heading "Correlation of Ionosphere and Signal Strength with Weather", Terman has words to the effect that while correlation seems to exist, it does not always persist indefinitely, and usually an investigator cannot duplicate the correlations observed by an investigator at another location.

It seems true that weather effects are not a major part of the "big picture" of radio communications. However, a fascinating part of our hobby is the great DX catch which results from an unusual or one-time combination of factors. The effect of the weather in the lower atmosphere on the ionosphere is apparently one of those factors.

References:

J. Wymore, A Correlation of Long Wave Radio Field Intensity with the Passage of Storms, Proceedings of the IRE, Vol. 19, page 1675, September, 1931

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E.Gherzi, S.J., Ionosphere and Weather, Nature, January, 1950, Vol. 165, page 38.

Siegfried Bauer, A Possible Troposphere-Ionosphere Relationship, Journal of Geophysical Research, Vol.62, No 3, September, 1957, page 425

Frederick Terman, Radio Engineer's Handbook, First Edition, page 732.

HEAVEN'S PEACE PLAN - RADIO LOG

Edited by Charles Reh

The following is a list of stations carrying the program *Heaven's Peace Plan* which is hosted by Fr. Nicholas Gruner. This list was edited from one that appears in the *Fatima Crusader* magazine. The list in the magazine is arranged by state and province and shows the stations which can be received in each location. As a result, stations such as WWL, KXEL, WWVA and KRVN were listed dozens of times. Also, in the original, the schedules are given in the local time for each location. To make it more useful for DXers, I have re-arranged the list by frequency and have converted all times to ELT. Stations carrying the program on FM and SW have been omitted.

FREQ	CALL	CITY	TIME	DAY
540	WYLO	Jackson MI	1530 - 1545	Mon - Fri
	WYLO	Jackson MI	1800 - 1830	Saturday
730	WACE	Chicopee - Springfield MA	1230 - 1300	Sunday
	WACE	Chicopee - Springfield MA	0915 - 0930	Mon - Fri
770	KPLA	Riverbank CA	1530 - 1600	Sunday
800	CKLW	Windsor ON	0700 - 0730	Sunday
810	CKJS	Winnipeg MB	1300 - 1330	Sunday
	CKJS	Winnipeg MB	1230 - 1245	Mon - Fri
870	WWL	New Orleans LA	2300 - 2315 ⁺	Mon - Fri
880	KRVN	Lexington NE	0015 - 0045	Tue - Sat
	KIKR	Conroe TX	0930 - 1000	Sunday
900	WFIA	Louisville KY	0930 - 1000	Sunday
910	KHJC	El Cajon CA	2300 - 2315	Mon - Fri
940	WKGH	Smithfield VA	1730 - 1800	Sunday
950	WROL	Boston MA	0845 - 0900	Saturday
	WROL	Boston MA	1230 - 1300	Sunday
	WROL	Boston MA	1100 - 1115	Mon - Fri
1010	WBIX	Jacksonville Beach FL	1200 - 1230	Sunday
	KXEN	Festus - St. Louis MO	1115 - 1130	Mon - Fri
1030	WHIN	Maplewood MN	0900 - 0930	Sunday
1090	KAAY	Little Rock AR	2145 - 2200	Mon - Fri
	KAAY	Little Rock AR	0530 - 0600	Saturday
1110	WTIS	Tampa FL	1330 - 1400	Sunday
1160	WJJD	Chicago IL	0930 - 1000	Sunday
1170	WWVA	Wheeling WV	1830 - 1900	Sunday
	WWVA	Wheeling WV	2030 - 2100	Mon - Fri
1220	WRIB	Providence RI	1400 - 1430	Sunday
1250	CHWO	Oakville ON	0900 - 0930	Sunday
1270	WHLD	Niagara Falls NY	1015 - 1030	Mon - Fri
1410	CFMB	Montreal PQ	0730 - 0800	Sunday
1440	CJOI	Wetaskiwin AB	0045 - 0100	Tue - Sat
	CJOI	Wetaskiwin AB	1730 - 1800	Sunday
1450	KEST	San Francisco CA	1345 - 1400	Mon - Fri
1470	CJVB	Vancouver BC	1600 - 1630	Mon - Fri
1480	WLEA	Hornell NY	0700 - 0730	Sunday
1510	KGA	Spokane WA	0130 - 0200	Monday
1520	WWKB	Buffalo NY	0730 - 0800	Sunday
1530	WCKY	Cincinnati OH	0730 - 0800	Sunday
1540	KXEL	Waterloo IA	2200 - 2230	Sunday
	KXEL	Waterloo IA	2330 - 2400	Mon - Fri
1560	WCNW	Fairfield OH	1645 - 1700	Mon - Fri
1590	WPLW	Carnegie PA	1600 - 1630	Sunday
1600	WRRL	New York NY	1500 - 1530	Sunday

INTERNATIONAL AM STATIONS

FREQ	NAME/COUNTRY	SCHEDULE
558	Radio Caroline - Great Britain	2200 GMT Sun - Fri
963	ABC Radio - Republic of Ireland	1845 GMT Sun - Fri
1098	Manila, Philippines	1930 GMT Sun - Fri
1110	DX Radio Network - Indonesia	1700 GMT Sunday
		2030 GMT Mon - Fri
1525	DX Radio Network - Brazil	Same as 1110 kHz
1610	Caribbean Beacon - Anguilla	0015 GMT Tue - Sat

NOTE: *WWL also shown as 2345 - 2400 Mon - Fri.

Frequency Deviations

Raymond F. Cole

Rt. 3, Box 304

Cape Girardeau, MO 63701-9543

Observations of measured frequency deviations and associated activities

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Ray Cole's earthquake research progress report

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The State of Missouri Emergency Communications Coordinator recently brought, and lent to me, an R390 URR (his personal property) to assist in checking my findings, and spent several hours here again. He also recently began getting regular phone/computer readouts from Golden, CO, on quakes for me.

So far, the R390 validates the findings on Page 35, DXN, 3-27-89 issue of my National NC173. An interesting note is that while he was here neither of us could find a "spike" on one frequency (1400 KHz) that had been previously showing an apparent deviation on my TRF. In frustration I then went back to the TRF only to discover that the deviation had ceased since last checking.

The R390 is quite a rig, with its own internal self-calibration feature, which really gets things down to a gnat's eyebrow. But it would take about two hours to make such checks on my usual 13 frequencies. It also shows that it is the apparent audio curve that shifts - not the actual station's signal. This a TRF is much better suited to notice and log approximately - and a whole lot faster and easier.

If an oscillator capable of creating a very sharp signal (1/2 to 1 KHz total signal width) were tuned very slightly off a station's signal - since oscillators are well known to enhance a signal - it should do exactly the same thing - create a "spike". On the relatively broad bandpass TRF the apparent audio curve would then seem to "move over" a bit - an apparent deviation. But a very accurate dial is usually needed for small deviations.

So, where are all these sharp little oscillators on various frequencies?

It just about has to indicate that the engineer was right about two years ago when he said crystalline ground structures were responding to radio waves and vibrating very close to the same frequency and re-emitting radio signals.

Personally, I still think, at this time, that something in the 0-to-10 KHz range plays a role in this off-frequency phenomena, but am still so far unable to find anything definitely related at those frequencies - only some strong suspicions. In other words, I think ground crystalline structures might be also acting as a mixer circuit and responding to both signals and emitting either the "plus" or "difference"; thus 1220 plus 4 becomes a 1224 "spike".

For the DXer - I have four antennas to try, and on the BCB band the TRF beats my National NC173 by a lot, and the R390 lags a very sad third. So, hang on to your tweaked TRF's! You've got a DXer's gold nugget.

Bandscans

Chris Cuomo
670 Third Avenue
Verona, PA 15147-1349

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

Eric Bueneman Woodstock, GA Realistic DX-200 + SM-2 (nighttime) (All stations licensed to Georgia unless otherwise noted.)	780 WBBM Chicago, IL 790 CMAD Pinar del Rio, Cuba WNWS South Miami, FL WTAR Norfolk, VA WMC Memphis, TN WGXI ATLANTA 800 WMGY Montgomery, AL PJB Bonaire, Neth. Antils. CKLW Windsor, ON 810 WGY Schenectady, NY WSJC Magee, MS 820 WJAP Ft. Worth, TX CHAM Hamilton, ON 830 WCCO Minneapolis, MN R. Belize, Belize City, Belize 840 WHAS Louisville, KY 850 WYDE Birmingham, AL KOA Denver, CO 860 CJBC Toronto, ON KKOW Pittsburg, KS 870 WWL New Orleans, LA 880 WCBS New York, NY CMAB Pinar del Rio, Cuba 890 WLS Chicago, IL 900 WGOK Mobile, AL XEW Mexico City, DF 910 WALT Meridian, MS WGXY Baton Rouge, LA CMHL Camaguey, Cuba 920 WGST ATLANTA KYST Texas City, TX WMN1 Columbus, OH 930 WRXJ Jacksonville, FL CM1D Ciego de Avila, Cuba WKY Oklahoma City, OK 940 WMAZ Macon WINZ Miami, FL EMKD Holguin, Cuba CBM Montreal, PU 950 KPRC Houston, TX WSPA Spartanburg, SC WSYA Montgomery, AL 960 WERC Birmingham, AL CMFD Cienfuegos, Cuba 970 WAVG Louisville, KY 980 WSIX Nashville, TN WFHG Bristol, VA 990 WIVK Knoxville, TN CBW Winnipeg, MB 1000 WLUP Chicago, IL XEDY Mexico City, DF 1010 KHLT Little Rock, AR CFRB Toronto, ON 1020 KDKA Pittsburgh, PA 1030 WBZ Boston, MA 1040 WHO Des Moines, IA 1050 XEB Monterrey, NL LHJM Toronto, ON 1060 FYW Philadelphia, PA XCEP Mexico City, DF 1070 WAFI Birmingham, AL WFLI Lookout Mountain, TN WIBC Indianapolis, IN 1080 WDJX Louisville, KY KKLD Dallas, TX WTIC Hartford, CT 1090 KAAY Little Rock, AR 16Z Guatemala City, Gtmia.
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WJAG radio
78 AM

1100 WVEE Cleveland, OH 1110 WBT Charlotte, NC KFAB Omaha, NE XERED Mexico City, DF 1120 KMOX St. Louis, MO 1130 KWKH Shreveport, LA WNEW New York, NY WSJP Murray, KY 1140 WRVA Richmond, VA WQBA Miami, FL 1150 WJBO Baton Rouge, LA WGPW Chattanooga, TN WZBQ Tuscaloosa, AL 1160 WAMB Donelson, TN WJJD Chicago, IL KSL Salt Lake City, UT 1170 KVOO Tulsa, OK WWVA Wheeling, WV 1180 WHAM Rochester, NY WJNT Pearl, MS 1190 WDOV Ft. Wayne, IN 1200 WQAI San Antonio, TX 1210 WCAU Philadelphia, PA WCMO Miami Springs, FL 1220 WGBR Cleveland, OH XEB Mexico City, DF 1230 WFOU MARRIETTA WBLJ Dalton, GA WBHP Huntsville, AL 1240 WNGJ Gadsden, AL 1250 WTMA Charleston, SC 1260 WIBV Belleville, IL WNEE Indianapolis, IN 1270 KESS Ft. Worth, TX WXYT Detroit, MI 1280 WGRF Evansville, IN WQUC New Orleans, LA 1290 WCHK CANTON WCHY Savannah WHID Dayton, OH 1300 WKXI Jackson, MS WNGM Nashville, TN 1310 WDDO Chattanooga, TN 1320 WJAS Pittsburgh, PA WQIK Jacksonville, FL 1330 WFBC Greenville, SC WVHI Evansville, IN 1340 WIGO ATLANTA 1350 WQAD Gadsden, AL WSMB New Orleans, LA 1360 WSAI Cincinnati, OH 1370 WDEF Chattanooga, TN	WLOA Pensacola, FL WSPD Toledo, OH 1380 WAUK ATLANTA WQHK Ft. Wayne, IN WKHQ St. Petersburg, FL 1390 WXTC Charleston, SC WTJS Jackson, TN 1400 WWXX ALPHARETTA 1410 WING Dayton, OH WIQR Prattville, AL 1420 WVJS Owensboro, KY WHK Cleveland, OH 1430 WEZI Germantown, TN WIRE Indianapolis, IN WWGS Tifton 1440 WHHY Montgomery, AL KWEZ Monroe, LA 1450 WERH Cartersville 1460 WPNX Phenix City, AL WXOK Baton Rouge, LA 1470 WRGA Rome WNAU New Albany, MS WMBD Peoria, IL 1480 WABB Mobile, AL WYZE ATLANTA WTHI Terre Haute, IN 1490 WDXE Chattanooga, TN 1500 WTOP Washington, DC 1510 WLAC Nashville, TN 1520 KMPL Sikeston, MO KOMA Oklahoma City, OK WKKB Buffalo, NY 1530 WCKY Cincinnati, OH KGBT Harlingen, TX 1540 CHIN Toronto, ON KXEL Waterloo, IA 1550 KIVK Shreveport, LA WQKJ Jackson, MS WYNS SMYRNA 1560 WQXR New York, NY WPAD Paducah, KY 1570 XERF Ciudad Acuna, CU Atlantic Beacon, Turks & Caicos 1580 WEAM Columbus KXZZ Lake Charles, LA 1590 WKTP Jonesboro, TN WVNA Tusculumbia, AL 1600 WXVI Montgomery, AL WEUP Huntsville, AL KSSA Plano, TX 1610 Caribbean Beacon, Anguilla
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1130 AM - MOULTRIE .

POST OFFICE BOX 1380, MOULTRIE, GEORGIA 31776
TELEPHONE (912) 985-1130
POWER: 10,000 WATTS CLEAR CHANNEL
Affiliated with CBS Radio Network



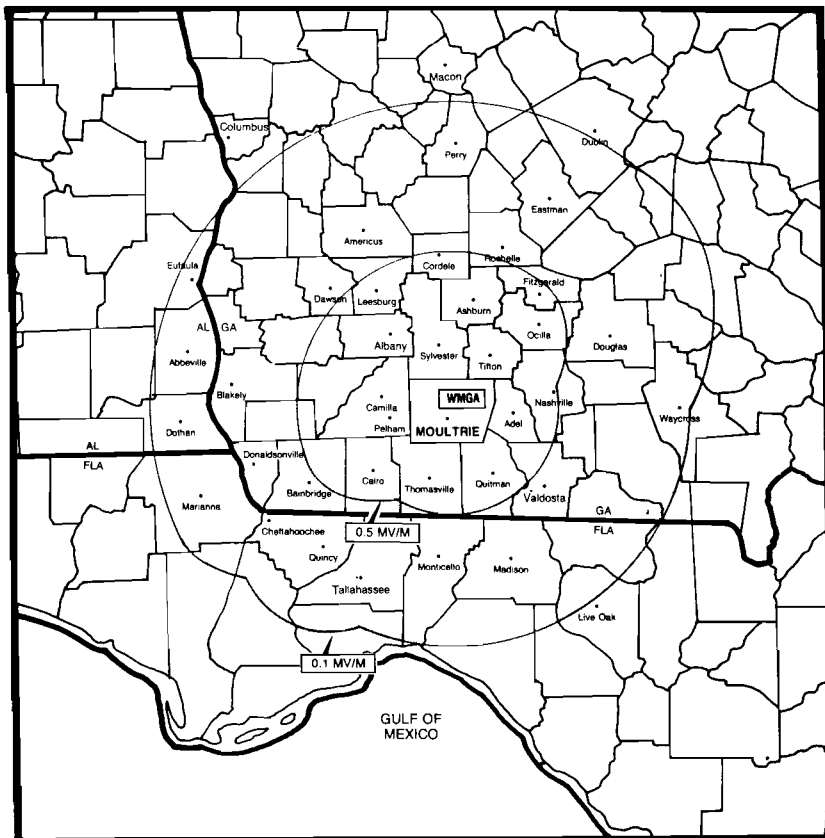
The area within WMGA's 0.5 mvm contour on this map represents the primary service area where reception is ideal. The 0.1 mvm contour represents the secondary service area which is subject to possible interference. WMGA's nighttime signal is beamed to the north and south.

MARKET DATA

PRIMARY SERVICE AREA	
Total Population	406,790
Total Households	138,990
Spensible Income	\$3,079,467,000
Passenger Cars	224,830
Number of Farms	8,735
TOTAL RETAIL SALES	\$1,852,619,000
Source: 1986 SRDS, Spot Radio	

PROGRAMMING

WMGA provides a middle of the road music format year round from 6 a.m. until 10 p.m. It is a special blend of easy contemporary music of today and yesterday along with selected "pop" country melodies to produce a very listenable combination of music. This modern music format, complimented with personable announcers and promotions, is designed to reach the largest population segment by appealing to the general taste of almost everyone.



Dear Mr. Swearingen:

A fellow member of the National Radio Club suggested that I contact you concerning some assistance WMGA needs.

WMGA will soon celebrate its 50th anniversary. Having operated since 1939, WMGA is one of the oldest small market radio stations in the South. Beginning with 250 watts on 1370, the station moved to 1400 in 1941, increased power to 1,000 watts in 1961 and then moved to 1130 in 1969 with 10,000 watts. We hope to move to 580 with 1,000 watts fulltime in a few months.

If possible, I would very much appreciate you mentioning this information in your newsletter. We would love to receive copies of any information your members might have about WMGA which we could use in our anniversary publications.

Thank you very much. I am enclosing some information about WMGA which you might find interesting.

Cordially,
RADIO MOULTRIE, INC.

Douglas M. Sutton, Jr.
Co-Owner
General Manager
WMGA



WMGA

TIFTON HIGHWAY, P. O. BOX 1380, MOULTRIE, GEORGIA 31776
(912) 985-1130

Musings

of the Members

Mike and Sue Knitter

P. O. Box 24

Cambridge, WI 53523-0024

Times are local per Muse.

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

César Objío - Calle Enrique Henríquez 69 - Santo Domingo - República Dominicana

Hi, friends, how are you all in the new year? Please receive my greetings, better late than ever. Not much DX'ing lately for IDXD as my frequency counter is out of order at the radio technician's, a person who has never seen such equipment and does not know how to repair it, or so he says. My Realistic DX-400 is also out of order. I took it to the Radio Shack Store in Puerto Rico for repairs in July and hope that by this time it will be already in good working condition. I don't know if you are aware of it, but the electricity service is worse every day. You may get 8 or 10 hours a day if you are lucky.

I have news that can be of interest to many DX'ers. Do you know *Merengue*? It is the Dominican Republic popular music. For your information, I have prepared a 60-minute cassette tape with its history, examples of typical music played by country-side people and dance hall orchestras. Modern merengues heard every day in our radio stations are all explained in English with myself at the mike, hi. I hope you can help me. My idea is to get enough money in order to buy a new digital set. I already have my eyes on a Sangean ATS-803A. I would like to have a Sony ICF-2001D, but that one is more expensive. Price for the cassette is US\$10. This includes Registered Air Mail postage. Please, dear friends, I am waiting for your help. Thank you, very much. 73's to you all. (This Muse has been shuffled around so many times that César must wonder what our problem is ... César, I apologize for this information not being presented to NRC members before now. And ... the music on César's tape is REALLY good! -pls)

Curt Engberg - 80 Concord Road - Wayland, MA 01778

Yes, the lack of Musings is regrettable, but then I'm as responsible for that as anyone else. When I look at the files I realize it's almost three years since I sent one in. Many reasons, no excuses. I have found it difficult to keep track the way I had done for almost 50 years, since I maintained my log of only currently active stations which I had heard. While I was well over 4,000 some years ago, the closing of stations, the sale and subsequent changes to frequency and calls, has meant that my active station list has decreased significantly in the past few years. I never did count call changes as a new station, since there were no physical changes to the facilities, and to an engineer that's what defined a station to me. I still enjoy the listening for DX, but not too many new ones show here. Maybe if I disposed of some of my old equipment and got something new it would revive the interest a little more. I won't part with the HQ-180A or the Realistic TRF, but why do I need an NC-125, SX-100, R-390A, and R-392? [Because they are good radios!?! -mk] [Yeah, and he's a collector/pack rat, like me! -pls] The latter is the only one I DX on now besides the HQ-180. I've hit that retirement age and am enjoying it immensely, but I don't seem to have any more spare time than I had while working for GTE. [What? You're not moving to Irving with the company? -mk] Mostly I'm revamping houses for my children these days, and I find that's a lot less stressful at least. I hope all DX doesn't come out of the Musings, as that's the one place where you can spot trends in what's being heard from a particular location when conditions are unusual. Just reading the listings of something heard in the DDXD doesn't give any indication of unusual conditions, etc. [Summaries are fine; it's when the stuff is listed like a DDXD section in paragraph form that it needs to be put into the correct section -mk] I really thought the **Musings** in Volume 56, #14 were especially readable because of the type style and the bold lettering used for call letters. Maybe it's my age showing. [Not age, old glasses, hi. -mk] Only new logging here in recent past was WJCC-1170 local station in Norfolk, MA.

2/26 I noted CHSJ-700 in very strong at 2:50pm with semi-local WPNS nulled. Keep up the fine work on the bulletin; it's still eagerly awaited here.

Doug Smith, W9WI - 80 Craig Ave. - Madison, WI 53705-1375NL
Hi there. Given that I live an entire 25 miles from the **Musings** Editors, [as well as the **NRC HQ!**, hi] I suppose I owe y'all one!! The story of how I came to find the **NRC** is a slightly unusual one.. I'd found a copy of the **AM Radio Log** at the Dayton Hamvention for 1987. Shortly after returning from Dayton, I picked up an ICF-2010 from Chris, WB9RSQ, and started diddling with AM DXing. In December of 1987 came the company Christmas party; after the dinner, and before the dancing, I was discussing the 2010 with a ham colleague, N9HMA. When I mentioned the ICF-2010, the guy behind me suddenly turned around and joined the conversation-- it turned out that **NRC** member **Neil Bennett** was married to one of our commercial writers! (I work in the engineering department at WISC-TV [Channel 3, folks]) Needless to say, a discussion of the **NRC** followed, along with a promise to send sample copies of **DX NEWS**. Of course, the rest is history... I'd have to endorse **KRVN** for the "QSL of the Year" award.. Having sent a report, I received! a bumper sticker; a QSL card; a copy of their news release re: the **WWL/KRVN** simulcast; and plans for a loop antenna! I proceeded to construct the loop per their instructions: it works beautifully, having been responsible for my reports of **WWII-720** and **KTNW-660**.. also neatly nulls out a very nasty intermittent static problem at this QTH... Their chief engineer also presented an excellent paper at the Broadcasters' Clinic in Madison last September, regarding the effects of cornfields on DA patterns! Would be interested in a **NRC** ham net, but, given that I operate almost exclusively mobile and on 10 meters, I wonder how many other **NRC** members are active on packet radio?? I can currently be reached as **W9WI** at **W9WI-1 PBBS**, Madison, WI (via **W9ZBD**, **WB0GDB**, or **WB9TYT HF**)... (or look for me on 28.4 SSB!) 73.



P.O. Box 448
Perry, Iowa 50220

Those Were The Days, My Friend

Ernest Cooper - 5 Anthony St. - Provincetown, MA 02657 - 508-487-9337
At last! An AM verie - my first - and only - this season with no major receiver: **WWCC-1590**, ex-**W0NHH**, **Honesdale, PA**, heard one monday morning with **WJBQ-ME** apparently off. Verification letter states I heard 'em running less than 20 watts! As **Musing Editor** of **NRC** for 3 1/2 decades, please permit me to express my thoughts on what should be included in this section. At one time, **Musings**, or as it was called the, "LPO" reports (Listening Post Observer) reported in paragraph form, the latest catches by date of each participating member. It made for very interesting reading, and promoted many a friendly rivalry among DXers as they compared their own catches to what others in their area had heard. In this latter day, all the DX catches are presented in list form. I like to compare the two methods with the account of a baseball game in your local morning paper. It gives the account of the ball game - how the runs were scored, who made the great plays, etc., and includes the box score, which lists each player, number of hits each got, home runs, etc.. Now, which makes the more interesting reading - the box score - or the write-up of the actual action? I like to see what other members have been hearing, and see, for example, if they also experienced similar conditions on a given day as I did. To find that out now, I have to go down 2 lists. Again, what's more interesting when you go to the theater? The cast of characters printed in the program, or the play itself? **Domestic DX Digest** is the cast of characters, and I feel **Musings** should be the action, as it was in the beginning, and, hopefully, evermore shall be. Then too, it is a time-consuming ordeal to resort my loggings and observations into frequency order when I keep my notes in day-by-day order. In summation, I'd like to see **DX NEWS** read like a magazine, and not like a catalogue. When **Domestic DX Digest** started (then called **Down the Dial**) it was strictly for the purpose of listing "hot" DX

tips of immediate use to many members, like, for example, "K4KKK -1230 signs off at 2:02am, two minutes after the others, on Sunday mornings." Or, "WWW-1490 will conduct a once-a-year frequency check on the First Thursday of the new year at 2:15 to 2:30am" But not "I heard 1490 WWW OH North Cleveland on its annual frequency check on 1/5 at 0215, #46 OH logging for me." I have sent a check to a DXer in Florida (not an **NRC** member) for an **HQ-180A**; one month has passed since then and still no radio. Forward - March! [This Muse missed insertion into issue 56-24 by one day -mk]

Ernest Cooper - 5 Anthony St. - Provincetown, MA 02657 - 508-487-93370M

The GE Superadio finally yielded a few newies here of late. It must have heard that I've an **HQ-180A** on the way! A real surprise on 2/27 when **WWCC-1590** in **Honesdale, PA** rode in with a solid signal between 0200 & 0300. Apparently the usual regular **WJBQ-ME** was off. Their verie says they are using "under 20 watts" but they sure sounded like they were on full power to these old ears. Then on 3/1 I took a third report on **WWCS-540** and sent this report with return postage to **IRCA's Jim Hall**, who said he'd try to walk a verie through for me. I even mentioned in my earlier reports to this all-classical station that I too am a classical music deejay here on **WOMR**, but it didn't impress them apparently. Then on Friday 3/3, my third new one of the week, and all from the Keystone State, barreling in under **WOWO 0216-0254** and on, **WHTO-1190**, sometimes announcing "WHOT" and others **WHTO**. I heard **Paul Harvey** mention a huge solar flare on 3/6, and on the AM of 3/7 I expected to find extreme auroral conditions - but not so! In fact, it seemed "anti-AU" if such there be, as if all the Spanish stations on 640 were missing, and in their place came much -wanted **WJ7Z-7N** at 0108-0254, in and out. On Thursday 3/9, another Tennesseean was rolling in - **WIVK-990** at 0143. More talk on news programs of more solar disturbances, and finally on Monday morning 3/13, the auroral conditions hit with a vengeance. Where I usually hear a mix of **WBET**, **CKRB**, & **WGNA** on 1460 I had instead only the semi-local **WBET**, with welcome **WFYV-FL** underneath at 0211. On 1450 a station with **EZL** format and a short talk on **Grace & a time check** at 0235 as "25 minutes before the hour"; no ID heard. Something on 1540 fooled me for a time - solid signal, and the calls sounded like 7S1 and 7S2 had me scratching my head. (It itched, anyway!) Then it dawned on me - he was saying "Zed-en-ess-1 & Zed-en-ess-2", the Bahamas stations. Then a **BBN** station on 1280 (**Bible Broadcasting Network**) turned out to be **VSB**, a booming signal. Apparently this is the one from 1160, anyone know for sure? Any of you out there sing in a chorus, glee club or choir, or play in a band? If so, do you have an air-playable cassette of your group? Would you like it to be broadcast on **WOMR** here in Provincetown, our non-commercial community access station? Or do you know someone in that category? If so, please get in touch - I'll be glad to put it on the air on my Saturday morning "Ernest in **WOMR-Land**" concert program from 10 to 11am. I'd need names of selections, composers, and conductors, of course, and the permission of the group. Thank you, and Forward - March!

Eric Bueneman - 5002 Cross Ridge Ct. - Woodstock, GA 30188-4380 - (404)924-7780

Things are beginning to change around here, with yours truly taking two new volunteer jobs, one as a master control operator at **WFTD-1080**, and an announcing position at **WRFG-89.3**. Don't be surprised to hear me do some drop-ins at **WFTD!** **Chris Cuomo's** "Format Futures" article in Volume 56-22 was a very interesting article. But, with some formats, there are a few exaggerations. The number of **REL** stations, which **Chris** says will be down 10%, in reality, will really be down about 50%, with more stations (like **WMGA-1130**) dropping the format because of its inability to draw an audience. In Atlanta, **WNIV-970**, **WFOM-1230**, **WAVO-1420**, and **WSPZ-1520** will be the most likely to drop **REL** formats. Outside of the mainstream **REL** formats, **WAOK-1380** will most likely drop its Gospel format, already programmed by **WXLL-1310**, **WTJH-1260** and **WYZE-1480**. I think **WTJH** will also go. That leaves the would-be survivors (**WAEC-860**, **WGUN-1010**, **WFTD-1080**, and **WYNX-1550**, along with **WXLL** and **WYZE**) battling it out for the

remaining share. WAFS-920 (taking over from WGST) will also fail. One of the AM's would have to be donated to a college or a community group (like WRFG). The number of CHR stations will remain unchanged (instead of being down 8%), as there is hardly any heavy metal on CHR radio anymore, it's becoming softer and more urbanized, as well as very upbeat. I will also see a slight increase in CHR stations on AM. The number of Oldies stations will also be unchanged (instead of being down 3%). New Wave was played on AM on KJET-1590 Seattle until last year when it became KQUL. Elvis radio is really not a format at all, but a very narrow Oldies format. The number of Nostalgia stations will also remain unchanged, as there are new listeners interested in Big Band music especially. WPEN-950 is one Nostalgia-formatted success story. The big dip will be in the number of AOR stations, down 70% instead of 24%. The big rise, however, will be in the number of all-sports stations, which will rise three-fold in the 1990s. [Well, we will see how is close, yourself or Chris - stay tuned, mk] And to answer the question about the First Amendment: That said amendment DOES NOT apply to broadcasting, as I learned in broadcasting class. In response to **James Nahirniak's Musing** in Volume 56-23, I agree with everything except the need to ban AM-FM simulcasting. It has actually benefitted stations such as WROW-590/95.5 (Number One in Albany, according to Arbitron), WKHX-590/101.5 (in Atlanta's Top Ten), and when KIIS-1150/102.7 were simulcasting, they were Number One in L.A. and Orange County, CA! The best solution would be to move those stations into the 2200-2490 KHz (120 meter) and 3200-3400 KHz (90 meter) band, with the unqualified operators going off the air, and many shoestring operations would be vulnerable. Many simulcasters even have stereo on both ends, and usually the AM stereo signals sound better than FM Stereo (WQXI-790/94.1 is a prime example). [How would the public be able to hear these stations? Where would the present day 120/90 meter frequency users go? What about interference from skip? other countries? Just a few of the questions! -mk] Finally, for the Hams on the NRC list that operate on 160 meters, you can check in to the Gateway 160 Meter Net, which meets at 2100 ELT (2000 CLT) on 1860 KHz. To check in, contact Vern Jackson-WA0RCR, and tell him that Eric, from the old NRC [old???], sent you! Feel free to exchange info! 73 from KDX0STL/4.



Mike Csorbay - R.R.#1 - Canfield, ON NOA 1C0JH

Hello, fellow NRC'ers; I guess a re-introduction is in order. I have just recently re-joined the NRC after a brief go-around in 1980; at that time I was still in high school and without a steady job, so one of the subscriptions had to go. However, I finally got around to joining again [Welcome back! -mk], and do not plan to let my membership lapse for a good long time! [Very Good! We need more like you in the club! -mk] It's nice to see some familiar names again, such as Messrs. Arruda, Jeter, Swearingen [Who? -mk] [more likely, Whut? -pls], Hale and Hardy (pun not intended, hi!), etc. As far as the DXing goes, I've been at it since spring of '79, and as of this writing (3/18/89) have 1230 heard / 787 taped / 132 verified, from 40 states / 8 provinces / 20 countries. I do not count call letter changes as new stations, although I do count frequency changes, except the recent WBYZ take-over of WRIB's facilities... no matter what rules you make for yourself to make it simpler, it seems to make things more complicated! [That rule came from Murphy's brother, hi - pls] Recent veries in include 730-CHYR, 1200-WOAI, 1080-KRLD, and 1340-WROD-FL, which rates as one of my best veries to date, along with 1550-WCCZ-FL, 1580-KPIK-CO and 1510-KAGY-LA. I'm about 3 miles away from the towers of 1150-CKOC, and about 10 miles from those of 820-CHAM, both of which cause me much grief, but one does what one can, and the Palomar Loop helps to ease the pain somewhat. This leads me to one of the things I like most about the NRC... as you curse about your local splatter, it's nice to see that it's a good DX catch for someone else (even though you'd like to dynamite those towers, hi!) Enough for this time, will say 73, and hope that my Blue Jays do as good in the regular season as they have been in the "Grapefruit League"...BYE! [Don't be a stranger to this column or the others! -mk]

Niel J. Wolfish - 178 Florence Ave. - Willowdale, ON M2N 1G4 3/18/89LJ

I guess I should welcome former fellow-Winnipegger Shawn Axelrod to the NRC. 1989 is shaping up to be a lousy year for DX. I have not spent very much time at the dials. In the verification department, I am a perfect one for one, although I have considered writing to a few more stations along the way. I located a copy of a report I had written to 640-CFOB last year, and a follow-up went out. Seven days later, I was rewarded with a verification letter. Nice to get this one, as CFOB is now impossible here with CFGM on the frequency. The last ECB QSLs that were received prior to CFOB arrived last summer. Aside from a couple of other holdouts from my days of DXing in Winnipeg, I'm not expecting any QSLs. I was in Owen Sound (2 hours north west of Toronto) a few weeks ago. I noticed that the Ontario Ministry of Transportation sign which is found on Highway 10 just north of the Grey Country line telling you that local radio can be heard on 560 (CFOS) now lists an FM frequency. I wonder if this means CFOS' days are numbered? The AM stations in Huntsville (630-CFBK), Parry Sound (1340-CFBQ) and Woodstock (1340-CKDK) have departed in recent times upon the arrival of FM in those towns. I see that there will be no more April Fool's issues of **DX NEWS**. Does that mean that references to "Buffalo K. Foonman" and the "NRC SWAT TEAM", etc., will also disappear from **DX NEWS**. [Who? Hi -pls] [You can still get your fill of April Fools stuff in the April Issue of the **NRC DX Audio Service's** Monthly cassette program; just send US\$3.00 to the Publication Address and specify the April Issue. -mk]

Jeffrey M. Less - 223 Pasadena - Toledo, OH 43612

This is my first Musing since joining the NRC a couple of months ago. My bad excuse for not having written yet was an inability to choose a subject. **Gary Mitchell** took care of that with his questions in issue #22. Gary, my favorite car DX radio is the Philco-Ford 18806 which was a standard AM from 1968-73. Thousands were made and should be available at any junk yard. Late '70's to present Chrysler (Mitsubishi) radios are OK too. Unfortunately these units become plagued with noisy volume controls in cold weather and only get worse with age. For AM stereo, the Chrysler 4311-956 are easily found as they started production in '85. To answer question #2, car dealers do not repair radios. Instead they dump them off at an auto sound shop that repairs all makes. Consequently you can forget about schematics - use SAMS. I can find no redeeming value for boom-boxes except that they seem to be the preferred weapon of choice for burn-outs and rap-monsters. These radios sacrifice true RF performance for audio punch. Most have their active RF & IF circuitry in an IC chip so that they are rendered virtually useless for any serious modification. Even when RF pre-amplification is provided for in these chips, it does not guarantee good spur rejection on the low end of the BCB. That can be a problem in a city like Toledo where 3 of our 5 stations are at 1470 KHz or higher. Finally, I would like to address **Jerry Starr** whose fine station, WHOT, I have listened to on frequent trips to Y-town. Jerry, when I first joined the NRC, in my naivete, I thought Buffalo K. Foonman was a real person albeit with an unique name. Now on the World of Radio 4 weeks ago, super-serious Glen Hauser quoting directly from your editorial as to why AM stations ask for reduced power, made an off-hand remark about him as being your alter-ego. I suspect something here, so come clean with us Mr. Starr! Just who is Buffalo K. Foonman and why isn't this man running for president? Till next time, 73's - Jeff. [In order to be president you first have to be vice-president; think about it! -mk]

Roger Winsor - 727 S. Wisconsin - Hobart, IN 46342

I have just gotten through reading the latest **DX NEWS** (56-24) edition. I am prompted to share with you feelings on a couple of points brought forth by **Randy Seaver** in **HQ BYTES**. I have found the **DX NEWS** to be filled with little DX, but lots of other items and opinions which really don't have to do with DXing, namely all the listings of the latest ratings of stations all over the country. I can sometimes read an entire issue in 5 minutes.

While technical articles are of interest to some, there are many of us out there that do not understand the diagrams, charts, etc. DX is supposed to be DX, not about some disc jockey moving to some other city. When I joined in 1963 Musings were of DX, not personal opinions and random babbling about everything. It was interesting to see what someone else near you was hearing. Now that is impossible because it is in a list form in **DDXD** only. [Roger, here's a suggestion - go to the reporters list at the end of the **DDXD**-East or West column and pick out the name/initials of the person nearest to you, then just go back thru the column and highlight those that that person reported. You then have a list, by frequency and hours of those stations heard by that reporter. -mk] I noticed a comment in one issue that all I sent in could be sent to **DDXD**. The Musing allowed DXers to report catches and also to put in a little of our character also. It was in the form of a letter. Either it's my eyes, or else I just don't care any more, but long lists of things are hard to read and seem to take up a lot of space. I do enjoy **AM Switch** and think that is one of the most popular features of **DX NEWS**. It is very hard to read the print of any articles reduced out of a newspaper. One has to use a magnifying glass to read it. Still the Greatest DX Club in America, however, and I hope all remains well. I have had no time to DX... working 17 hours daily plus family priorities. DX is a hobby and should always be a hobby, not an obsession. It can be that way. It is increasingly difficult to sit and listen to the jumble that is AM at night. The FCC completely ruined SSS [sunset DXing] and all regional channels at night are just a jumble of two or three stations. Strangely 970 and 1330 are very void of stations at night with only a weak WVHI or WFBC, but never KFH. WAVE also used to be dominant, but now rarely heard. My heard total is 3029 and holding with nothing new since February. '73's to all and keep the faith! Roger.

**Eric Bueneman - 5002 Cross Ridge Court - Woodstock, GA
30188-4380**

Within the space of one week, Metro Atlanta has lost two REL stations, one before it even got on the air! Here's the whole story, courtesy of your friends at WFTD-1080 Marietta: 1. Dr. James Dobson's plan to purchase WGST's 920 frequency from Jacor Communications has fallen through. A money crunch at "Focus on The Family" has forced Dr. Dobson to cancel the deal. The call change on 920 to WAFS will not take place. Jacor is finding another buyer for 920, and one likely suitor is WFOX-97.1, an Oldies station in Gainesville. Stay tuned for the conclusion to the 920 soap opera. 2. WAVO-1420 Decatur, GA has gone silent. The station had been running religion from the Bible Broadcasting Network (BBN), and faced with competition from the likes of WAEC-860, WNIV-970 and WFTD-1080, the station pulled the plug on March 31. In November, WAVO was rumored to be switching to BRN Business News, but that format change didn't materialize. According to **Malcom Maxwell**, WAVO has had a history of horrible business decisions. The question is: who's next? In other Atlanta news: WCNN-680 North Atlanta is buying WAGQ-104.7 in Athens, and plans to move its transmitter closer to Atlanta. A call letter change will be made at WAGQ if WCNN buys them out, according to Rocky Payne, Operations Manager at WFTD, and a former WAGQ personality. From St. Louis comes word that WKLL-590 fired all of its on-air personalities in February, although former PM drive jock Christy Steele has stayed on as a board operator. WKLL and sister FM KEZK-102.5 are being swapped for KSTZ-105.7, meaning that Adams Communications will get KSTZ, and Channel One will be WKLL and KEZK, but keep KSGM-980 Chester, IL! WKLL has gone to the SMN Kool Gold feed, by the way. With the sale of KXOK-630/KLTH-97.1 to the owners of WLTJ-92.9 Pittsburgh, a format change will come at KLTH, whose ratings have been anemic as of late. Another note from Atlanta: WQXI-790/94.1 has dropped Jazz on weeknights and Sunday mornings to return to its regular Top 40 flavor. As for **Chris Cuomo's** comment on the future of religion formats, the most likely REL station to survive would be a church-owned station, like WFTD-1080 (The Pneuma [Greek for "spirit"] Foundation/Roswell Street Baptist Church) and KFUO-850 [The Lutheran Church - Missouri Synod]). As with the case of WAVO-1420, your shoestring operations won't survive in the long run. A

company with a heavy religion focus (Family Radio, Moody, Bott Broadcasting, for instance) also will have a foothold. The is my whole opinion on REL stations. '73's. 45

Pete Kemp - P.O. Box 73 - Bethel, CT 06801

Greetings all... The NBC link to history in New York has been severed, as the NBC Network has aired its last newscast from the Big Apple. The NBC Radio News headquarters now moves to Arlington, VA, where Westwood One (the parent company) will combine facilities with Mutual Broadcasting... Detroit's WXYT morning man Roy Fox has been axed following on air remarks about the station's administration and its policies... KSJO's shock jock Perry Stoned got a shock of his own when he was suspended for his on-air taunting of 9-year-old Brownies appearing on his show to promote Girl Scout Cookies. The station manager and many others were outraged by his antics to say the least... Also fitting into the I'll-do-anything-for-ratings category is WLUP's Steve Dahl, who decided on March 16th to broadcast live from the operating room while he was undergoing a vasectomy. The station called it a "quasi-public service.", oh boy!... Geoff Edwards has been shown the gate at KFI, his time slot being taken over by ABC Radio talker Rush Limbaugh.. Talk about gender discrimination; Joe Walker is out as sportscaster at WVEE-FM because the station thought that a female voice would have a better image. He will be replaced by Robin Roberts. Joe will keep his WAOK-AM spot however... Lisa Marshall, in Regina, has left CKRM for greener pastures at CKCK... NBC has announced an agreement to sell KNBR to Susquehanna Broadcasting... WLAD's April Fools Joke to the Danbury, Connecticut area, was to announce its firing of all on air staff and programming "All Beatles All the Time", with new jingles and promos. It lasted one day only, which was appreciated by many. In addition the newscaster and sportscasters switched roles for the day. Early morning risers didn't understand much and the local paper the next morning ran an article detailing the station's joke and the listeners reaction to it... KGIL has signed on to carry the USC-Northridge Football games for '89 and '90... I just got back from attending an Educational Conference in Dallas. It was my first trip to this part of the country and I enjoyed it very much. My only regret was not having more time to BCB DX. It was fun driving past KRLD's studios and listening to many area stations during the day, instead of our normal nighttime sessions. I brought with me a Sony ICF-6500W for general listening. It probably stuck out like a sore thumb to the airport's luggage scanner; thus I noted that my gear was physically inspected by the authorities. Guess with all the recent newscasts focusing in on bombs in radios DXers will have to be more vigilant... So much for now.

Mike Knitter (De Boss,hi) - You know the address

Well, I still haven't had a lot of time to turn on the radio, have done some listening but no DX. To Chuck, what spare time! All it seems we got rid of here is the deadline requirements of **DX NEWS**, which I greatly appreciate Paul on picking up. VISA/MasterCard usage by you folks is amazing, you have surprised me to say the least! Keep up the Club support! From your comments, you like it too! A big THANKS.

Paul Swearingen (Ed) - Some of you still don't know the address, by the yellow forwarding stickers on my mail!

I've been amazed by the still-strange DX conditions caused by the auroral conditions, caused in turn by the giant sunspot. There's been no consistency in what I can and can't hear ... why do WBAP, KAAY, and WWL (to the south) fade away at times, and WCCO and WWWE (to the north) remain fairly strong? Propagation experts, your answer, please!

Roger Winsor's comments about the lack of DX in DXN ... as compared to contributions in previous years ... are right on the button. Nevertheless, we print 'em as we receive them, and if we confined what we printed to DX only, the magazine would average about 12 pages per issue, and eventually the club would follow the

46 route of NNRC. I would assume that other long-time members, like Roger, would prefer to see more DX, and who wouldn't? But as I've mentioned earlier, I've elected to broaden the coverage of DXN to bring in new members which should keep NRC strong and vigorous for years to come. And Mike tells me that the new memberships are outnumbering non-renewals, so we must be doing something right.

Mike and I also have talked about the philosophy of differences of entries in Musings vs. DDXD/IDXD, which both Roger and Ernie Cooper touch on, and we're going to institute a new column to try to solve the problem. We're going to call it "DX Targets" (at least tentatively). DDXD/IDXD both list catches heard, and "Musings of the Members" narrates what has been heard ... "Target DX" will attempt to predict what a DX'er should be listening for. Here's how it would work. I would suggest that, based on sunset times and my experience in hearing them, that KOMO-1000 and KBOI-670 are most likely to be heard by DX'ers east of me before Thanksgiving, and only at sunset. I would list the times that I had heard them, thus narrowing the target times for other DX'ers. South of me, KWCO-1560 signs off at 11 pm with a fairly long sign-off. Etc. Each DX'er would divide his/her listings into the four compass points, with only the more difficult, or special-time DX listed. A second part of the column would list requests ... for example, I've never been able to bag WQXR-1560, mainly because of WPAD. Perhaps someone in, say, St. Louis would be able to recommend a best time. My goals, of course, are (1) to involve more veteran DX'ers in passing along tips to others, (2) to increase membership input to DXN, (3) to provide some aid to Roger and the rest of us who are battling the cacophony on the 106 BCB channels.

We need an editor for "DX Targets". Any volunteers?

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Minority radio-TV sale preference unconstitutional

WASHINGTON (AP) — A federal appeals court Friday ruled as unconstitutional federal rules that give minorities preference in the purchase of "distressed" radio and television stations.

A panel of the U.S. Court of Appeals for the District of Columbia, in a 2-1 vote, said the Federal Communications Commission's "distress

sale" rules, which allow quick sales at reduced rates of defunct or disfranchised stations to minorities, violated the equal protection provisions of the Fifth Amendment to the Constitution.

The court remanded to the FCC a 1984 commission decision that denied Alan Shurberg and Shurberg Broadcasting a chance to compete

for the purchase of WHCT-TV in Hartford, Conn., from the station's owner, Faith Center.

The FCC had based its decision on its 1978 policy that allows licenses for bankrupt or disabled stations to be transferred to entities that have a significant minority ownership interest. Such transfers are made without FCC consideration of competing applications.

But the appeals court said the FCC policy did not meet previous Supreme Court tests of minority set-aside programs, including one that preferences be given to minorities only after race-neutral efforts to increase minority ownership had failed.

The Topeka Capital Journal
- via Paul Swearingen

House panel OKs 'fairness doctrine' bill

WASHINGTON (AP) — A House committee on Tuesday approved a bill that would require broadcasters to air programs that provide opposing views of controversial issues.

The House Energy and Commerce Committee's voice-vote approval of the bill, which would write the "fairness doctrine" into law, kept the legislation on track toward a possible eventual showdown with President Bush, who said last year during the campaign he would veto such a measure — as President Reagan did in 1987.

The Justice Department said last week in a letter to committee chairman John Dingell, D-Mich., that it would urge Bush to veto the bill.

If the bill should pass both houses of Congress and become law, a Supreme Court test also would seem likely, based on what opponents say is the doctrine's unconstitutional infringement on broadcasters' rights.

The Federal Communications Commission repealed its 50-year-old fairness doctrine in 1987, saying it violated the First Amendment.

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