

# DX News

•Serving DX'ers since 1933•

Volume 62, No. 16 - January 23, 1995 (ISSN 0737-1659)



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### CPC Test Calendar

KSYG	1010	Jan. 23, 1995	0315-0330
CFRY	920	Jan. 30, 1995	0100-0130
WAMR	1320	Jan. 30, 1995	0130-0200
KIYU	910	Feb. 6, 1995	0500-0530
WWOL	780	Feb. 11, 1995	0200-0400
KNZZ	1100	Feb. 12, 1995	0300-0330
KGYN	1210	Feb. 13, 1995	0200-0230
WREN	1250	Feb. 14, 1995	0100-0200
KERR	750	Feb. 20, 1995	0200-0230

**CFRY-920** - 1500 Saskatchewan Avenue West - Portage La Prairie - MB R1N 0N6, Canada will conduct a DX test between 1:00 and 1:30 am EST on Monday, January 30. The test will include country music, voice ID's, and Morse code ID's at 25 kW on their daytime antenna pattern. CFRY will keep a playlist of songs played during the test, so titles should also be reported. Reception reports may be sent to Mr. Red Hughes, Station Manager. Arranged by J. D. Stephens for the IRCA CPC.

**WAMR-1320** - Venice, FL will conduct a DX test between 1:30 and 2:00 am EST on Monday, January 30. The test will include big band music and Morse code ID's. Reception reports may be sent to Mr. Lee J. Freshwater KE4QLK, Director of Engineering, c/o Asterisk Communications - 3357 SW 7th St. - Ocala, FL 34474. Arranged by J. D. Stephens for the IRCA CPC.

**KIYU-910** - P.O. Box 165 - Galena, AK 99741 will conduct a DX test between 5:00 and 5:30 am EST on Monday, February 6. The test will include voice ID's, Morse code ID's, and "easily identifiable music". Reception reports may be sent to Mr. Robert C. Sommer, GM. Arranged by J. D. Stephens for the IRCA CPC.

From the publisher ... Congratulations to Anthony Scott Helm, Bill Breeden, and John Lyon for finishing first, second, and third in the annual North American Shortwave DX Championships conducted by ANARC and arranged by Dr. Harold Cones. The 1995 contest will begin March 10 and will end March 12; for more information, send an SASE (plus an administrative fee and two 32¢ stamps if you plan to enter) to Dr. Harold Cones - Two Whits Court - Newport News, VA 23606.

Start making plans for the "Winter SWL Festival" in Kulpville, PA March 16-18. We'll publish registration information in a future issue; if you can't wait, send an SASE to Winter SWL Festival - P.O. Box 591 - Colmar, PA 18915.

Don't forget to submit your questions for the survey of NRC members to the publisher in Topeka or any NRC board member. We'll be publishing the survey, tentatively, in May.

The following letter from former member Ed Kocsan will probably strike a chord in many members: "With regrets I wish to inform you that I will not be renewing my subscription ... The reason? Primarily, my neighbors and their light dimmers and their increasing number of electronic toys have doomed any further MW DX'ing from this location! I want to thank NRC and *DX News* for 25 years of continual pleasantries and information relative to BCB spectrum interests. Especially, I want to express my gratitude and offer a big sincere salute to the many club members who have and are giving of their own valuable time and efforts to produce the quality *DX News* and the scads of special papers, logs, and books major and minor AND to the organization officials present and past."

Yep, that about covers everything, Ed, and thanks for the kind words, from all of us. Among others, I can certainly relate to dealing with the problem of noise. I know that since Mr. Buzzz moved in last summer that DX'ing from 2840 SE Illinois in Topeka has been virtually nil. Although the power company made several trips to my alley, they seemed to be unable to track down the noise, which wipes out the AM band, from LW clear through 15,000 kHz or so in the shortwave band, and radiates from everything metal in this end of the block. The only (legal) solution may be for me to move. Why not send your comments about dealing with RF noise to Musings?"

### DX Time Machine

From the pages of *DX News*:

50 years ago ... from the Jan. 21, 1945 DXN: The January 14 DX program from WAGM-1450, with WWDC standing by, was heard throughout the northeast. Dr. John Kirk, Point Pleasant, WV, reported interference from 200-watt 7DY, Darby, Tasmania.

25 years ago ... from the Jan. 17, 1970 DXN: Don Kenney logged Gilbert and Ellice Islands-844 1-12 0300-0405 on a tip from Larry Godwin, noting that it was as strong as KIKI-830, suggesting that they may have switched to their projected 10 kW transmitter.

10 years ago ... from the Jan. 21, 1985 DXN: Greg Hardison reported on the success of the December 15 Ray Briem "DX Special", of which Greg was the producer.

# 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 listeners

## CALL LETTER CHANGES

### Old call

540	WYLO	MI	Jackson
610	KYJC	OR	Medford
910	WBRJ	OH	Marietta
950	WPC	IL	Chicago
1130	WHHR	SC	Hilton Head Island
1200	WKRL	NY	North Syracuse
1250	KDHI	CA	Twentynine Palms
1310	WMTG	MI	Dearborn
1350	KYXZ	AR	Cabot
1350	WWHL	FL	Cocoa
1420	KESY	NE	Omaha
1460	KRQC	CA	Salinas
1490	WYMZ	FL	Bradenton
1490	WAYE	WV	Princeton
1550	KQWB	ND	West Fargo

### New call

WZER
KRTA
WYLI
WEJM
WFXH
WTLA
KQYN
WDOZ
KBBL
WMYM
KBBX
KHTX
WWPR*
WPVO
KQHK



820 AM WYLO, WZYD 8LDG  
9633 MOUNT PHILLIP ROAD  
FREDERICK, MD 21701 5997

\*Note: WYMZ-1490 was a silent station that changed to this call just a few weeks ago; now they are WWPR. As far as we can determine the WYMZ call was never used on the air, and the station remains silent.

## APPLICATIONS/GRANTS FOR NEW STATIONS

None

## APPLICATIONS FROM EXISTING FACILITIES

1100 WCGA GA Woodbine: relocate transmitter site (this is of interest as it indicates this station which was on the air very briefly and has been silent for years may yet return. We'll pass through Woodbine next month and will check the status of this one.

## GRANTS TO EXISTING FACILITIES

1200 KFNW ND West Fargo: reduce night power to 700 watts  
1290 KLLF TX Wichita Falls: reduce night power to 73 watts, antenna to U5  
1370 KFIR OR Sweet Home: to 720 kHz with 1000/184 U1

## OTHERNESS

540 WWZN FL Pine Hills: ex-WGTO, now relays WWNZ-1440 Winter Park, FL  
540 WWCS PA Canonsburg: CP for 5000 watts is on  
590 KSZZ CA San Bernardino: silent station is ON THE AIR  
620 KWFT TX Wichita Falls: station is SILENT and is being moved to Plano, TX  
810 WSJC MS Magee: station is SILENT  
830 WCRN MA Worcester: new station is ON THE AIR and relays WROL-950 Boston, MA  
870 KOWA NV Laughlin: silent station has new owners who plan to return it to the air  
940 WCND KY Shelbyville: station is SILENT  
950 CKKB ON Barrie: license CANCELLED, station is gone  
1060 WBIV MA Natick: station is SILENT pending sale  
1090 WXKB AL Albertville: silent station is ON THE AIR  
1460 WTMP WI Tomah: station is SILENT  
1530 KDSN IA Denison: CP for 500/13 U1 is on  
1530 WLMR MI Lapeer: in Issue 12 we listed this station under Call Changes (ex-WLSP) on 1520 kHz, a typo  
1550 KQXI CO Arvada: CP for 10000/10000 expired "a while ago" according to the GM and no extension will be asked for, station will remain 10000/166 U1

THANKS: Wayne Heinen, Bill Hale, Dick Truax, Al Merriman, Ed Krejny, John Baumgarten, Dan Myers, Archie Eppler and MSJ

73 and Good DX,

*Jerry & BKF*

Jerry Starr & Buffalo K. Foonman

# Geomagnetic Summary

Phil Bytheway bytheway@ATK.com  
9705 Mary NW  
Seattle, WA 98117-2334

High "A" values indicate possible auroral conditions

## Geomagnetic Summary November 13 1994 through December 10 1994

GEO - Geomagnetic activity  
maf - major flare  
mas - major storm  
ms - minor storm  
pca - polar cap absorption  
SA - Solar Activity  
spe - satellite proton event  
ss - severe storm

Date	FLUX	A	K	SA	GEO	OTHER
11/13	81	4	2	low	quiet	-
14	79	6	2	very low	quiet-unsettled	-
15	79	8	0	very low	quiet	-
16	79	2	0	very low	quiet	-
17	79	4	0	very low	quiet-unsettled	-
18	80	5	4	very low	quiet-active	-
19	78	17	3	very low	quiet-active	-
20	79	25	2	very low	quiet-active	-
21	78	5	2	very low	quiet-unsettled	-
22	76	3	1	very low	quiet-unsettled	-
23	78	1	0	very low	quiet	-
24	79	3	0	very low	quiet-unsettled	-
25	82	1	1	very low	quiet	-
26	83	20	3	low	quiet-mis	-
27	80	23	1	low	quiet-mas	-
28	80	11	2	very low	quiet-active	-
29	80	6	3	very low	quiet-unsettled	-
11/30	78	18	4	very low	quiet-mis	-
12/1	79	12	4	very low	quiet-active	-
2	79	20	2	very low	quiet-mis	-
3	82	10	1	very low	quiet-active	-
4	82	5	1	low	quiet-unsettled	-
5	81	7	2	low	quiet-unsettled	-
6	78	14	3	very low	quiet-active	-
7	80	11	2	very low	quiet-unsettled	-
8	81	10	1	low	quiet-unsettled	-
9	87	9	2	very low	quiet-unsettled	-
12/10	86	6	0	very low	quiet	-



The NRC AM Radio Log, 15th Edition, is the standard listing of AM radio stations in the U. S. and Canada. Cross-referenced, 3-hole punched for standard binders. Only \$16.95 to U. S. and Canadian members; \$19.95 to U. S. non-NRC members; \$20.95 Canadian non-NRC members. Airmail: to Latin America, \$21.00; Europe, \$24.00; rest of the world: \$28.00.

Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax)

# Domestic DX Digest

West: Bill Hale MTFH12A@Prodigy.com

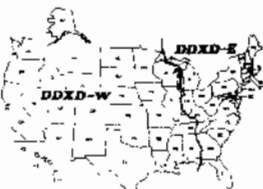
495 Creekview Drive - Meridian, ID 83642-3241

East: Dave Braun 73520.657@compuserve.com

11 Mill Bend Acres - Wyoming, DE 19934-9523

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

(Division line is  
between East and  
Central time zones)



## DDXD-West

### MEDIUM WAVE RAMBLINGS

\* Mucho grande DX graces the column this week. Deadlines are always Saturday's mail, or Sunday morning if reporting via the info blacktop. Remember to include your name and DX location, plus equipment in every report regardless of method. My memory isn't so good anymore, and ... let's see ... what were we talking about? Anyway, format your report just like it was the column, and we'll take it from there. Huht on fonicks werkt fer me! (Ha! -pls)

♦ Daytime (groundwave) DX takes center stage this week. Ain't it great?!!

★ Addressing a couple of queries and concerns received along with reports this week, let's start with **John Wilkins**. He brings up the question of the 1340 Graveyard listing in Issue 13 for KNDE/KCEM/KCEM in Aztec/Farmington/Kirtland, NM. John says I think Aztec has always been the city of license for KCEM and all previous calls ... Farmington is a few miles from Aztec, and I know of no city "Kirtland". My **Rand-McNally** shows Kirtland, NM just west of Farmington on U.S. 64 toward Shiprock. So the three cities do exist in the same vicinity. Whether or not the station called all three home at one time ... I don't know. As far as what the 1340 station was called in what city, I'm taking all three as record-holders. If the DXers heard the station with the CLs and whatever city-of-license, we'll keep the listing unless someone can provide us with proof positive of anything otherwise. I'll bet all "stations" emanated off the same antenna. But can't say for sure. **Neal Perdue** writes to say he's written to a nearby club member to share "hot tips", but alas, no response. My reaction to that is suggest to save your stamps and use them on DX Reports. I always respond, hi. Seriously, if a fellow NRCer writes with a "howdy-do" along with a positive suggestion or offer, the least you can do is write back, even if you don't care to correspond further. And ... a fairly new club member asks about the policy of counting call letter changes as a "new station". Although I don't subscribe to this notion, I am passive in accepting that data. As far as I'm concerned, the signal is coming from, probably, the same transmitter through the same antenna. If you had three acquaintances at work and one went to court for a name change, would you say you had four friends? I think not. Well, maybe ...

◆ From the "That'll teach me to open up my big mouth Department" ... a few issues ago I mentioned something about **Dave Whatmough's** van (it's covered with station stickers, top to bottom, front to back) ... now, thanks to **Mike Sanburn**, I've got a 5 x 7 glossy of it taken at the New Hampshire Convention. What? No autograph? Hi. Thanks, Mike. The picture is Van-tastic!

### REPORTERS

RS-MO	Rocky Stone	Hollister	Kenwood R-2000 + 170' N-S wire + 200' E-W wire
DS-TN	Doug Smith	Pleasant View	Kenwood TS-680, 400' LW lying on ground
JW-CO	John Wilkins	Wheat Germ	Drake R8 + 4' box loop
NAP-AL	Neal Perdue	Madison	ICF-SW30, McClintock Black Box Antenna
MS-CA	Mike Sanburn	Bellflower	GE Superadio II
JB-TX	Jim Boehm	San Antonio	ICF-2010 + downspout antenna/Radio West Loop
BR-CA	Bruce Reynolds	San Jose	GE Superadio II
SA-MB	Shawn Axelrod	Winnipeg	ICOM ICR-70 w/filter mods and PLAM board + 4' box loop/Quantum Loop/100' lw
BC-WA	Bart Cronin	Edmonds	
JS-MN	John Sampson	Minneapolis	Collins R388, Sanserino Loop
Ed-ID	Editor	Meridian	ICF-2010 bare

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WMMRN AM

### SPECIAL

590 KSZZ CA San Bernardino - 12/18 1800 - Call change to KSZZ, ex: KHTX. ID: This is KSZZ San Bernardino-Riverside, La Super Zeta. (MS-CA)  
690 WTIX LA New Orleans - 12/24 0005 - With sign-off, while looking for HCJB. Is not NSP as per Log. CLs and NOS song *Dream*, mentioned serving Louisiana,

Mississippi and (?) areas. On a local Saturday night (CST). (NAP-AL) [Maybe yes, maybe no. See next logging - Ed.]

WTIX LA New Orleans - 12/24 - Station promo at 0016: Join me, Robert (Maynard?) each day from four to seven PM here on Top Talk Radio WASO on 730, and WTIX AM on 690. Then at 0025 slogan: WTIX and WASO, News Talk Radio For the Golden Gulf Coast. (JB-TX) [For those of you who are wondering, WASO-730 is in Covington, Louisiana, just across Lake Pontchartrain from N.O. - Ed.]

770 KULL WA Seattle - 12/30 0756 - Penetrating KCBC with rock oldies. Their 50 KW CP must be on. (BR-CA) [Gray Scrimgeour brought this question up in Issue 14. I called 'em and "Bob" said the new CP was on. Three towers. Day pattern is "egg shaped" north and south, and night pattern protects WABC, KOB, and CHQR. Guess that leaves the Pacific Ocean to them - Ed.] Has dropped "Cool Oldies" and is // KRPM-FM and their slogan of K-106 and C&W. Assume they will continue with Tacoma Hockey evenings. (BC-WA)

840 K WA Colfax - Issue 14's AM Switch announced a new 840 application here. While plotting coordinates for Colfax, I noted it was only 51 air miles from the KKPL-840 CP (in new NRCAM Log) in Opportunity (Spokane). FCC, you've done it again! So I called KKPL and they said they'd sold the silent 630 station to a fellow in Colfax. I got his name and called him at home. Got him at lunch. He said he had bought the 630 facility and the 840 CP and had petitioned the FCC to move 840 to Colfax, while keeping the 630 as well. He indicated that had just been granted. Although still silent, he plans to get 630 back on the air within 90 days, and start building the 840 facility in Colfax in the meantime. Follow-ups are planned. Stay tuned. [Ed-ID]

1050 KHFN NM Los Ranchos de Albuquerque - 12/28 1932 - AP News in progress, 1835 Laurie with area weather, including Santa Fe. Your all-news and information station. Ex: KJBO. (JW-CO)

1230 KWIX MO Moberly - 12/25 0545 - Fair signal, with You've joined the Overnight Hour on the 24-hour information radio, KWIX, Moberly. Also Quik-X ID. Now 24 hours??? (SA-MB)

1240 KSDX TX Raymondville - 12/31 0648-0700 - Format change from oldies to satellite sports on The Team. ID at 0700 as Sports Radio for the Rio Grande Valley, KSOX. No mention of city-of-license or whether it's their AM or FM programming. (JB-TX)

1470 KKSC IA Sioux City - 12/28 1759 - Poor, in jumble, with ID as ... Chuck Harder on the People's Radio Network, KKSC Sioux City, then news, I think (faded). Ex: KWSL. (JW-CO)

1570 CKEG BC Nanaimo - CKEG noted here, so assume CHUB has gone to FM. CKEG mentioned "1350" several times, but don't know if an error or is on 1350 also during transition. (BC-WA)

### UNIDs and HELP!

650 EERUE ?? - re: Rocky Stone's unID of this is Issue 13, Perry Crabill, W3HQX writes to say "My first thought was that it might be a 2nd or 3rd harmonic of an NDB. However, I have checked the listings for 325 and 217 with no correlation. Incidentally, EERUE sounds like "backward keying", sometimes noted on a long wave beacon's carrier due to slight frequency or amplitude instability when the sideband is keyed. Analyzing such signals by transposition is possible, but not always easy. This particular one could be SSE, but my beacon list shows the only NDB with this ID to be in Alaska, on an unrelated frequency." Perry goes on to say the problem may be with the R-2000, as a spurious response to an out-of-band signal. He has owned an R-2000, and it showed signs of like problems. And asks if the problem is on Rocky's car radio also, or if just on the R-2000? That would cinch it for a radio-related problem. Well, folks, how's that for help? Thanks, Perry. Good DX.

AM-550  
KSD

### DX AND EQUIPMENT TESTS

580 WIBW+ KS Topeka - 12/19 0228 - Logged at end of test with a whistle-like tone switched on-and-off. CID at 0230. Had to null QRM from KMJ and KLAC-570. New here! (MS-CA)

WIBW+ KS Topeka - 12/19 0159 - Faint CID caught just before the scheduled time. Only one partial, even fainter, CID heard during the rest of the half hour under KMJ/KFXD/presumed CKXR. State #26. (BR-CA)

- 690 HCJB- Ecuador Quito - 12/24 0015-0045 - Not heard. Strong CBF and WTTX. (NAP-AL)  
 HCJB- Ecuador Quito - 12/24 0015 - Not heard. Only CBC French. (SA-MB)  
 1300 WNQM+ TN Nashville - 12/26 0400 - CIDs at 0408 and 0415, plus possible GOS music. Under WOOD and unID CNN Headline News station who never IDed. Only dead air at ID time. New for me. (SA-MB)  
 WNQM? TN Nashville - 12/26 0400-0430 - Tentative code bits in local KAZN SP and during deep KROP downfades. Also heard possible code at 0435 after scheduled end time. (MS-CA)

### MIDNIGHT TO 0800 HOURS ELT

- 550 KOY AZ Phoenix - 12/19 0240 - In extremely well over KCWR with jingle 55 Phoenix KOY and Christian music. (MS-CA)  
 590 WOW NE Omaha - 1/1 0500 - WOW, Omaha-Council Bluffs after C&W. In WVLC null. New. (NAP-AL)  
 630 WMAL DC Washington - 1/1 0555 - I'm Rush Limbaugh and this is WMAL taped ID. New for DC #2, after WTOP. (NAP-AL)  
 840 KVEG NV North Las Vegas - 12/24 0741 - Very good signal, over WHAS, with KVEG ID, ad for Playboy magazine and videos. Never heard that ad before!! (SA-MB) [What do you expect from Las Vegas? hi - Ed.]  
 850 KHLO HI Hilo - 1/3 0100 - Giving KOA fits, sometimes almost on equal terms, with C&W. First time heard in the evening here. No other Hawaiians noted. (BR-CA)  
 940 CMB PQ Montreal - 12/27 0110 - With CLs, gave a zillion FM / / s, sign-off. (NAP-AL)  
 1070 KNX CA Los Angeles - 12/26 0350 - CLs, KNX supports California's Fulfillment Program (to keep kids in school), mention of Daily, live coverage of the O.J. Simpson case, California lottery numbers. Over/under WAPI. Only second time heard, but I was hunting them. (NAP-AL)  
 KNX CA Los Angeles - 1/2 0215-0230 - Occasional spurts of strength under WTSO (normally very strong) and CHOK, with news, etc. First time heard here. (JS-MN)  
 WBBC IN Indianapolis - 12/26 0256 - CLs, under NOS station (probably WAPI Birmingham). (NAP-AL)  
 CHOK ON Sarnia - 1/2 0300 - Good ID, in and out otherwise, with oldies. QRM from WTSO and an almost inaudible KNX. (JS-MN)  
 1130 WBBR NY New York - 12/30 0100 - Legal ID and (new) slogan: Information Radio Eleven-three-oh. New. Hard to believe I haven't heard this 50 kwer before. (NAP-AL) [Since their night pattern throws about 5 watts in your direction, this was a pretty good catch - Ed.]  
 1340 KXPO ND Grafton - 12/24 0800 - Excellent signal, now with ABC News. (SA-MB)  
 1400 WJPS IN Evansville - 1/3 0618 - WJPS, your rock & roll oldies. New. (NAP-AL)  
 1420 CJVR SA Melfort - 1/2 0240+ - Occasionally strong in KTOE null, with C&W music and infrequent station IDs. (JS-MN)  
 1460 WXOK LA Baton Rouge - 12/29 0232-0245 - Urban Contemporary, in and out. At 0245 logging with A station you've grown up with is still growing, AM 1460 WXOK. New logging. (JB-TX)  
 1500 WGTT AL Alabaster - 1/1 0715 - With CLs, mentioned Alabama Thrift Stores. Great gospel from WGTT. About an hour after LSR. Last heard as WQMS many moons ago. (NAP-AL)

### 0800 TO 1600 HOURS ELT

- 550 KSD MO St. Louis - 12/29 1244 - Weak, with CNN Headline News & CLs. (DS-TN)  
 580 WILL IL Urbana - 12/30 1200 - Poor, in mess, with NPR News. (DS-TN)  
 620 WTMT KY Louisville - 1/2 1348 - Weak, in mess, with calls and C&W music. (DS-TN)  
 670 WMAQ IL Chicago - 12/30 1200 - Excellent, with news & IDs. Interestingly, no signs of WBBM or WLS. (DS-TN)  
 720 WGN IL Chicago - 12/30 1200 - Excellent with 591-7200 phone # & talk. (DS-TN)  
 740 WJR TN Humboldt - 1/2 1345 - Fair in QRM, w/call-in classifieds, with phone number as in Log. Usually only WJG here. (DS-TN)  
 820 WSWI IN Evansville - 1/2 1343 - Poor, in mess, with alternative rock. (DS-TN)  
 870 KIEV CA Glendale - 1/8 0904-0915 - Fair, when in there, with ad for a tour to England. If you call now, we'll throw in a tour of Windsor Castle. [Been there. Done that. Hi] Then a call-in show, giving phone numbers with every LA-area prefix, all ending with "K-I-E-V". Even an 800 number! Hosts (man and woman) taking calls about the tour and then one call about flower gardens, so unsure if it was a gardening

- show. Fade-out, giving way to usual KORD. New here. Wonder if their CP for 3kw nights is on. Any help from an LA-area member? [Ed-ID]  
 910 KLCN AR Blytheville - 12/29 1300 - Good, with local weather. (DS-TN)  
 940 WMIX IL Mt. Vernon - 12/29 1302 - Weak, with Jefferson County news & calls. This is a daytime regular here. (DS-TN)  
 980 KUTI WA Selah - 12/23 1138 - A surprise visitor, briefly atop the channel, with state news. (BR-CA)  
 1030 KMAS WA Shelton - 12/30 1113 - In and out, with KDUN, as late as 1145 on a morning with excellent reception to the north. (BR-CA)  
 1050 WNES KY Central City - 12/29 1306 - Weak, with Kentucky News Network news. (DS-TN)  
 KLOH MN Pipestone - 12/25 1030 - Live broadcast from First Christian Reform Church of Edgerton with Christmas sermon. Good signal, as usual. (JW-CO)  
 CJNB SA North Battleford - 1/4 0852-0857 - In KLOH null, with C&W music, local ads and Saskatchewan Jr. Hockey League information. Quite weak. First time heard on 1050. Last time was from Hutchinson on 1/4/61 at same time of morning. Relog took exactly 34 years! (JS-MN)  
 1120 KMOX MO St. Louis - 1/2 1333 - Weak, but clear, w/calls & Rush Limbaugh. (DS-TN)  
 1310 WDOD TN Chattanooga - 1/2 1314 - Weak, with NOS. (DS-TN)  
 1340 KWX CA Cathedral City - 1/1 1050 - With weather, then into NOS music. My last needed 1340 in California, and #19 overall on my favorite DX channel. (BR-CA)  
 1460 KMWX WA Yakima - 1/2 1004-1008 - NBC News, then Good morning from KMWX into weather, then bowl game line-up for today followed by Now into another hour of good-time oldies on KWMX into No Matter What Shape by the T-Bones . . . and back into SRS grunge. [Ed-ID]  
 1500 WBRI IN Indianapolis - 1/3 1130 - Groundwave on E-W wire only. With REL and ID as Your Christian Talk Station. (RS-MO)  
 KSTP MN St Paul - 1/3 1120 - Groundwave on N-S wire only. Talk and ID with Limbaugh promo. (RS-MO)  
 1580 KWYD CO Colorado Springs - 1/3 0800 - REL into ID followed by GOS. This was groundwave as was still readable thru noise at 1045. Twenty degree temperature may have helped. (RS-MO)  
 1600 KUBA CA Yuba City - 12/28 0900 - Poor, in QRM, with ID: AM 1600 KUBA Yuba City - Marysville. It's six O'Clock. Then NBC News, weather at 0905. New, for CA #88 and 8th new one on 1600 since local KWMX has been silent at night. (JW-CO)  
 KRFS NE Superior - 12/13 0854 - Program note for American Country Countdown . . . on Country 104 KRFS and lost. Heard on subsequent days with local ads, IDs. New, for NE #44. (JW-CO)

### 1600 TO 2400 HOURS ELT

- 980 WYFN TN Nashville - 12/26 2300 - REL, legal ID. (NAP-AL)  
 1090 KEXS MO Excelsior Springs - 12/24 1615 - Fair signal, with Christmas music and an ID as God's Country. New for me. (SA-MB)  
 1220 KZEE TX Weatherford - 12/23 1806-1815 - Activities of Parker County Sheriff Ben Whitman, Jr at 1806 into Parker County weather at 1808. Then commentary on high school football, ending with That's it for the KZEE Sports Page. Back in a moment for Community Calendar at 1810. Uses slogan Z12-20. New logging, courtesy of the Counties Book. (JB-TX)  
 1280 WWOK IN Evansville - 12/25 2130 - Merry Christmas and Happy New Year from your friends at WWOK. Only heard previously at LSR and LSS. (NAP-AL)  
 1440 KITA AR Little Rock - 12/26 1740 - GOS music, in and out of QRM (mainly KMA) 'til around 1900 tuneout. Occasional ads and call IDs, but about 95% GOS music. New, for AR #20. (JW-CO)  
 1460 KIRL MO St. Charles - 12/16 1807 - Insurance ad, then . . . KIRL Sports with NBA scores. Soon lost. Should have been on 500 watts night power. Briefly fair in QRM (KDMI). New, for MO #45. (JW-CO)  
 1470 KKTY WY Douglas - 12/28 1915 - With local ads, Agri-Weather Forecast, then C&W music to 2000 ID: AM 1470 and FM 99.3 KKTY Douglas. Then news (CNN I think). (JW-CO)  
 1580 KXZZ LA Lake Charles - 1/3 1700 - Semi-regular on N-S wire, with ID as Z-16 and Jazz-16, even though they play UC. (RS-MO)  
 1600 WARU IN Peru - 12/27 1735 - Fair signal, with possible oldies or AC music and a WARU ID. Under KCRG. New for me. (SA-MB)

# WMRE RADIO 1510

## GRAVEYARD DX UPDATE

\* indicates North American record  
Reporters & equipment, if included:  
Bruce Reynolds Superadio II  
Neal Perdue ICF-SW30

1230 kHz:					
KGFI	CA	Los Angeles	Bruce Reynolds	San Jose, CA	305
KMUZ	OR	Toledo	Bruce Reynolds	San Jose	517
1240 kHz:					
KCON	AR	Conway	Neal Perdue	Madison, AL	326
KSAC	CA	Sacramento	Bruce Reynolds	San Jose, CA	91
KLFE		San Bernardino	Bruce Reynolds	San Jose	342
1340 kHz:					
KWXY	CA	Cathedral City	Bruce Reynolds	San Jose, CA	391
KVOY		Mojave	Bruce Reynolds	San Jose	260
WJMB	MS	Brookhaven	Neal Perdue	Madison, AL	305
KCAP	MT	Helena	Bruce Reynolds	Warrensburg, MO	1056
1400 kHz:					
KIXT	CA	San Luis Obispo	Bruce Reynolds	San Jose, CA	158
1450 kHz:					
KVML	CA	Sonora	Bruce Reynolds	San Jose, CA	94
1490 kHz:					
KBLF	CA	Red Bluff	Bruce Reynolds	San Jose, CA	200
WDXL	TN	Lexington	Bruce Reynolds	Warrensburg, MO	385

## ABBREVIATIONS USED IN DDX

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

## DDXD-East NEWS AND VIEWS

You can tell what time of year it is when there are more logs in the 0800-1600 time period that 0000-0800!

Remember, if you want your mailing address (postal or e-mail) included in the list of reporters, let me know with each report.

## SPECIAL

- 810 WYRE MD Annapolis - 1/6 1658 - Slogan is now "Jazz Voice of the Bay", sign-off included mention of sister station "WRNR 103.1 FM for progressive free form rock". These stations do not simulcast at all, just a plug. (DB-DE)
- 1240 WNBZ NY Saranac Lake - 12/29 1545-1602 - Oldies music, ads, IDs and promos as "Tri-Lakes first choice, WNBZ". ABC News at 1600. (AR-NY)
- 1370 WPAZ PA Pottstown - 1/2 0839 - Noted with what I would call AC music, slogan/ID as "More of the greatest hits on Bright 1370". (DB-DE)
- 1470 WPDM NY Potsdam - 12/29 0950-1002 - Oldies music, IDs, promos with frequent IDs as "99 Hits FM". Legal ID at 1000 as "WPDM/WSNN", followed by ABC News. (AR-NY)
- 1570 WBUX PA Doylestown - 1/2 0206 - Noted with usual 70's format, seems to be NSP now. (DB-DE)

## DX TESTS

- 580 WIBW KS Topeka - 12/19 0200-0230 - Code IDs fair under WTEM splash. (WPT-DC)
- 760 CKQR BC Castlegar - 12/11 0300-0600 - Not heard, only WJR. (WPT-DC)
- 790 WEAQ WI Eau Claire - 12/12 0230-0300 - Code IDs fair under WTAR and Cuban. (WPT-DC)
- 930 KIUP CO Durango - 1/7 0715-0745 - Nothing heard, just WYUS with Sonny Bloch repeat (and on day pattern early!) and UNID AC in WYUS null. (DB-DE) ...Not heard; no chance with WPAT already on day pattern. (DY-CT)
- 970 WWSW PA Pittsburgh - 1/2 0000-0030 - Code and test tones heard well in jumble of many stations. (TB-MA) ...Good with code, tones, marching band music, and a brief station history, this test deserves 2 thumbs up. (BC-NH) ...Poor-fair under pest WWDJ with code, tones and music. (JH-NJ) ...Tones, seemed to switch to day pattern 0003, voice ID, wolf howls, good over WWDJ and Venezuela. (DY-CT)
- 1150 WHBY WI Kimberly - 12/5 0100-0200 - A no-show, only WMET. (WPT-DC)
- 1300 WNQM TN Nashville - 12/26 0400-0430 - Heard brief code way under dominant WJFK and WIMG. (JH-NJ)
- 1450 CHEF PQ Granby - 1/2 0000-0600 - A battle between two French stations, one with Radiomedia network programming //CKAC-730, the other with a discussion between a man and a woman followed by piano music, but no IDs or DX test code/tones heard, can only assume one of these was CHEF. (BC-NH) ...No sign of them, just dominant WILM over mess. (DB-DE) ...Not heard in several checks 0000-0030. (DY-CT)
- 1590 WERA NJ Plainfield - 12/10 0430-0500 - Not heard, just WAKR. (WPT-DC)

## UNID AND UNID HELP

- 940 WMIX IL Mt. Vernon - 11/28 0100-0200 - This is DB-DE's UNID "AM 94, WMIX, where the stars come out at night". They are a loud pest here when XEQ is not in. (JK-VA)
- 990 UNID 12/28 1855-1905 - Under CKIS with "Sports Radio 990", mention of *Portland Pirates*, ads for *Chester's Check Cashing*, *Van Scoy's Diamonds*. (JH-NJ)
- 1000 HJAQ 1/2 0200-0230 - RCN, my UNID from No. 4, came in better this time than first logging. (JH-NJ)
- 1160 WODY VA Fieldale - Regarding JD-MN's UNID in No. 12, DDXD-West, this is WODY on satellite feed. They have a network with other stations. However, what he really heard was "Your Christian connection for Roanoke and the New River Valley, PAR-FM", not "New Riverton", and probably not KRFF. (JK-VA)
- 1450 UNID 12/29 1550-1602 - Time check "9-1/2 before 4", SW music, community bingo announcement, ID sounded like "AVR your valley friend country music station". Missed legal ID on hour with fade, into news then lost signal. (MS-ON)

## 0000 to 0800 ELT

- 580 WHP PA Harrisburg - 12/23 0032 - Fair-good with "This is WHP 580 Harrisburg", rare here. (JK-VA)
- 920 CJCH NS Halifax - 12/22 0606 - Coming in quite well with the weather forecast and an ID as "92 CJCH, all rock and roll oldies". (JB-MA)
- 950 WIBX NY Utica - 12/19 0615 - Coming in very well over WPEN with many IDs as "News Radio 950 WIBX". (JB-MA)
- 1160 WSKWt ME Skowhegan - 12/31 0115 - Tentative logging, in briefly with what sounded like "1160 WSKW" for possible ME #2 in VA. (JK-VA)
- KSL UT Salt Lake City - 12/31 0000-0010 - Blasting in with *Brighasm Young University Cougar* basketball from the *Cable Car Classic* in the San Jose Arena, sponsored by *State Farm Insurance*. ID at 0000 as "News Radio 1160 KSL Salt Lake City". Faded after 0100, as good as in the 70's when WJJD would sign-off at Utah sunset. Best I've heard them in years, I've got an old QSL from 1968, do they still QSL? (JK-VA)
- 1450 WILM DE Wilmington - 1/2 0200 - *One-On-One* sports talk, ID as "Delaware's news authority", and *CBS News*, caught while listening for CHEF DX test. (BC-NH)
- 1560 WMRO TN Gallatin - 1/2 0121 - Fair with oldies, ID at 0132 as "Magic 1560, WMRO, Good times, great oldies", mostly over WPAD which seemed weaker than normal with WQEW off. (DB-DE)
- 1570 WANR OH Warren - 12/28 0125 - With "Your station for news, weather and sports 24 hours a day, this is WANR". Faded, but I believe this is DB's and my "PSR Prime Sports Radio" UNID? (JK-VA)

0800 to 1600 ELT

- 610 **WGIR** NH Manchester - 12/26 1543 - Good with 5 minutes of ads including *Slam Trading Cards*, *Knauts(?) Autoworld of Manchester* and *Mighty Morphin Power Rangers Live* into entertainment report at 1548. (MS-ON)
- 640 **WNNZ** MA Westfield - 12/23 1548 - Good with ID "The talk station, AM 640 WNNZ". (MS-ON)
- 840 **CHUR** ON North Bay - 1/2 1549 - Beach Boys' *Kokomo*, ID as "84 CHUR," good over WRYM. (DY-CT)
- 1220 **WFAX** VA Falls Church - 12/20 1544 - Came up briefly over WKNR. Going from one religious program to another. Heard an ID in there somewhere. (JB-MA)
- 1290 **WFBC** PA Altoona - 12/19 1536 - Over/under weak WCCC with mention of sending your letters to WFBC in Altoona. Been years since last heard here. (JB-MA)
- 1310 **WTLB** NY Utica - 12/22 1540 - Playing old songs with several IDs in between. Over several others. (JB-MA)
- 1440 **WLPZ** ME Westbrook - 12/26 1557 - Fair with ad for *The Car Phone Store*, mention of *Portland Pirates* hockey, other local ads. (MS-ON)
- 1490 **WICY** NY Malone - 12/29 1003-1025 - *NBC News*, ads, local news, weather, IDs and vocal music. (AR-NY)
- 1520 **KOMA** OK Oklahoma City - 12/25 1000-1030 - With oldies including the Ventures *Sleigh Ride*, weak but there on the 2010, surprisingly strong and steady on the new car radio. Moderate WLMR splash on both. Gone by 1030. New daytime distance record from this QTH. *KMOX* also heard this AM. (TS-MI)
- 1570 **WKDB** MD Towson - 12/26 1531 - Fair with many *Radio Aahs* mentions and promos. (MS-ON)
- 1580 **WLIM** NY Patchogue - 12/27 1000 - Fair with instrumental music, ID "The news is next on AM 1580 WLIM...and Patchogue" (missed first city name) by man. (MS-ON)

1600 TO 2400 ELT

- 550 **WCKY** OH Cincinnati - 12/30 2330 - First time with new calls in WGR null, with "Talk Radio 550 WCKY". (JK-VA)
- 630 **CHLT** PQ Sherbrooke - 12/23 2349 - Loud, no sign of WMAL, with FF talk, mentions of Quebec, at 0000 "CHLT" sung out with musical ID, then chimes/gong. Also good on other dates, on day power/pattern? (JK-VA) (Has been very regular here this year-db)
- 810 **KCMO** MO Kansas City - 12/23 1800-1850 - Very strong with the "Rick Roberts show on Talk Radio 8-10 KCMO", many IDs. (JK-VA)
- CJVA** NB Caraquet - 12/27 2246 - Fair over WGY in FF with local weather, dual ID for CJVA-AM and an FM station whose call I didn't catch, into FF AC music. (MS-ON)
- 920 **WTCW** KY Whitesburg - 1/6 1709 - On top with *Kentucky News Network*, ad for "Fraziers...Goods on Highway...", call letters included in ad, over/under WTTM and UNID CW. (DB-DE)
- 930 **WZNN** NH Rochester - 12/23 2300 - Fair with ID as "News Talk 930 WZNN", weather. (MS-ON)
- 940 **WCPC** MS Houston - 12/23 1750 - Strong with mentions of Mississippi and WCPC. Good QSLer. (JK-VA)
- 1060 **WFLE** KY Flemingsburg - 12/30 1737-1800 - Fair over KYW with CW music, local ads and IDs. This channel is wide open here now because local WBIV is silent, CJRP is gone, and KYW has never been that strong here. (MD-MA)
- 1180 **WFGN** SC Gaffney - 1/2 1738-1744 - Promo for church events, ID, to benediction and sign-off, good over R. *Taino* in WHAM null. (DY-CT)
- 1240 **WATN** NY Watertown - 12/29 1602 - Good with *NBC News*, *Dodge* ad, film processing ad, ad for *FX Tempura(?)* car dealer "serving northern New York", ID as "1240 WATN". (MS-ON)
- 1250 **WARE** MA Ware - 12/26 1604 - Surfacing briefly over CHWO with call letter ID by man. (MS-ON)
- 1260 **WRIE** PA Erie - 12/26 1600 - Fair with ID "The music of your life on 1260 WRIE Erie". (MS-ON)
- 1280 **WONW** OH Defiance - 12/23 2240 - Fair, in loud WADO null, with "The home of America's best country. AM 1280 WONW". (JK-VA)
- 1300 **WJFK** MD Baltimore - 12/23 2123 - Good with *The Best of Greaseman*, "Washington and Baltimore's Superstation 106.7-FM-Washington, 1300-AM-Baltimore, WJFK". *Greaseman's a weird dude!* (JK-VA)

- 1320 **WTKZ** PA Allentown - 1/3 1619 - Ad for *History Channel*, "Your WTKZ Weather Channel forecast," into *David Brenner Show* "on 1320 Talk, WTKZ." (DY-CT)
- 1340 **WHAT** PA Philadelphia - 1/3 1700 - Local talk show, ID on the hour over WMID. (DY-CT)
- 1350 **WOYK** PA York - 1/1 2120 - Good, "Classic Country 1350 WOYK" IDs, radar weather, and CW oldies. (BC-NH)
- 1410 **WSTL** NY South Glens Falls - 1/1 2050 - Poor, ID and CW music way under WPOP. (BC-NH)
- 1460 **WKDV** VA Manassas - 1/1 2300 - R. *Aahs*, brief call ID, atop. (DY-CT)
- 1490 **CHVR2** ON Arnprior - 12/29 1619 - Fair-good with promo for *CHVR News* sponsored by *Atomic Energy Commission of Canada*, AC music. This along with CHVR-1350 and CHVR1-1400 are scheduled to go silent on AM soon to be replaced by a single high-powered transmitter on 96.7 MHz FM. (MS-ON)
- 1570 **WBUG** NY Amsterdam - 1/1 1846 - Heard "WLFH-WBUG" ID and *Real Country*, under WYTL. (BC-NH)
- WFLR** NY Dundee - 1/1 1606 - Fair, "Country 1570 WFLR news update" after network news, over WPEP. (BC-NH)
- WNCA** NC Siler City - 12/26 1939 - CW and oldies, a couple of IDs by male DJ. Fair. (WPT-DC)
- WYTI** VA Rocky Mount - 1/1 1845 - Fair, listing of sponsors including mobile homes in Ridgeway and *Sunlight Systems* on Route 40 just west of Rocky Mount, CW music, sign-off at 1900 with *Happy Trails*. (BC-NH)
- 1580 **WPGC** MD Morningside - 1/1 1835 - Good, *Business Radio Network* talk, over an UNID 70's music station. (BC-NH) (The 70's station was probably WBUX-PA - db)
- WVKO** OH Columbus - 1/1 1655 - Fair, "16-WVKO" IDs and Black gospel music under WPGC, later fair with disco/soul oldies until 1730 power reduction. (BC-NH)
- WDAB** SC Travelers Rest - 1/1 1800 - Good, ID "CNN Headline News, only on Newsradio AM 1580, WDAB Travelers Rest, South Carolina." (BC-NH)
- WPUV** VA Pulaski - 1/1 1720 - Fair, ad for "The Renaissance Restaurant, Main Street, Pulaski", CW music, full-data sign-off at 1729. (BC-NH)
- 1600 **WWRL** NY New York - 12/23 2159 - Preacher and promo for *Christmas Sunday on Broadway*. IDs as "You're listening to Radio 16, WWRL New York". (JK-VA)

OTHER STUFF

- 1640 **R. Confusion** 1/1 2339 - With number one songs, ID "The station that stands out in front." Looped NW/SE. (DY-CT)

REPORTERS

- JB-MA** Jim Bagge, Springfield, MA: Delco car radio
- TB-MA** Tom Beaton, Manchester, MA: Drake R-8, two sloper antennas into a Mini-MWDX-5X phasing unit
- BC-NH** Bruce Conti, Nashua, NH: ICF-2010 with Kiwa filter upgrade, MWDX-5, 30-m longwire, 23-m southeast sloper
- MD-MA** Marc DeLorenzo, Framingham, MA: Clarion car radio
- JH-NJ** John Hanz, Old Bridge, NJ: NRD-525, longwire, Panasonic RQ-V60
- JK-VA** Jeff Kitze, Boydton, VA: Panasonic RQ-V52
- AR-NY** Andy Rugg, Cornwall, ON, mobile in NY: Car radio
- TS-MI** Tom Sanders, Davison, MI: Sony 2010, Pioneer KEH 6969 car radio
- MS-ON** Morris Sorenson, Scarborough, ON, DXing in Kemptonville, ON: Panasonic RF-B65
- WPT-DC** Bill Townshend, Washington, DC: Sony ICF-2010
- DY-CT** David Yocis, Darien CT: R71A, Kiwa Loop
- DB-DE** Dave Braun, Wyoming, DE: R-5000, Quantum Loop *save*

## What a Time-saver - the County Cross Reference

A complete list of counties, parishes, and similar political divisions in the U. S. and Canada. Two lists are included: alpha by county, and by state. Compiled by Bill Hale and designed and produced by Wayne and Joan Heinen. \$4.95 for members, \$8.95, non-member. Order item CCR from the NRC Publications center; NY residents, please include sales tax.

# International DX Digest

Foreign DX Catches. Times are UTC; for ELI, subtract 5 hrs.

This month we welcome Ralph Brandi and Perry Crabill To IDXD. Both have some interesting Long Wave loggings. We look forward to seeing many more of your reports.

With the early deadline last time, I expected a ton of reports for this edition, but it's actually one of the shorter ones for the season. Maybe everyone's taking a mid-season breather?

Deadlines: JAN 22, JAN 29, FEB 5, FEB 12, FEB 19, FEB 26; reports arriving after these dates may be held over to the following week. Thanks to all reporters who follow the exact format shown below; it saves me a lot of time each week.

## TRANS-ATLANTIC DX

- 153 ALGERIA Bechar, DEC 31 0617 - AA music. [Crabill-VA]  
 162 FRANCE Allouis, DEC 31 0619 - FF talk. [Crabill-VA]  
 198 ALGERIA Ouargla, DEC 31 0622 - AA talk, no Droitwich. [Crabill-VA]  
 198 ENGLAND Droitwich, JAN 1 0640 - EE talk, no Algeria. [Crabill-VA]  
 216 FRANCE Romoules, RMC, DEC 28 0504 - Man talking in French, interspersed with periodic music, jingle with "Monte Carlo" heard at 0523, poor [Brandi-NJ] DEC 31 0625 - FF talk, on top of beacon CLB. [Crabill-VA]  
 252 ALGERIA Tipaza, DEC 31 0615 - AA music, no Clarkestown. [Crabill-VA] (Ireland is directional during part of each day - Jim)  
 252 IRELAND (tent) Clarkestown, JAN 2 0550 - pop music, barely readable, very poor. [Brandi-NJ]  
 549 ALGERIA (tent) JAN 1 0418 - snatches of Arabic music heard, sounded // to program on 7245 under R. Kiev, but couldn't be absolutely sure, poor. [Brandi-NJ]  
 585 SPAIN Madrid JAN 1 0428 - music, // 684, fair to poor. [Brandi-NJ]  
 639 SPAIN La Coruna et. al. JAN 1 0439 - song "Breaking Up is Hard To Do", //684, fair with some 640 crud. [Brandi-NJ]  
 684 SPAIN Sevilla, DEC 28 0450 - music, into time pips, ID in Spanish, news program "Espana a las Seis", very strong at first; this station very regular here lately. [Brandi-NJ]  
 981 ALGERIA Algiers, DEC 31 0621 - AA violin music & interspersed AA talk; good. 891 also good at the time; most other TA's were comparatively poor. [Connelly-MA]  
 999 SPAIN Madrid, DEC 31 0623 - woman & man in SS; fair to good through CKBW/CFLP sloop with WMVP phased. [Connelly-MA]  
 1062 DENMARK Kalundborg, JAN 2 0608 - news in Danish by man to 10 past, woman announcer after with pop and reggae music, man in at 20 past, good in semi-local KYW null. [Brandi-NJ]  
 1386 RUSSIA (KALININGRAD) Voice of Russia, Bolshakovo JAN 2 0538 - jazz music, definitely // 5940, female host in English, about 80% intelligible, much better than previous night when I heard bits of "Moscow Nights" and Kremlin chimes at 0500. [Brandi-NJ]  
 1521 SAUDI ARABIA BSKSA Duba, JAN 3 2214 - AA violins, talk by man, fair. [Yocis-CT]  
 1544 CLANDESTINE (MOROCCO or ALGERIA) tentative, DEC 23 2210 - snatches of Arabic heard, possible Koran recitation, poor. [Brandi-NJ] JAN 3 2215 - Tentative, SS talk by man, fair. [Yocis-CT]

Ralph speaks: "I've been a member of the NRC for a couple of months now, after a suggestion from Mark Connelly, who had seen some MW postings of mine on rec.radio.shortwave. I figure it's time I contributed a few loggings for the column. I only recently returned to MW after an absence of oh, 17 years or so spent on shortwave. I figured that my location near the shore combined with the low sunspot numbers were practically screaming "listen to MW!" to me."

Perry speaks: "I spend most of the winter months DXing the 190-530 kHz long-wave beacon bands, rather than the BCB ... I didn't make any detailed program notes because my primary target was beacons. Incidentally, my beacon total is now 1046 stations; my best DX is Easter Island (5004 miles). I have numerous South Americans in Venezuela and Colombia, and one each in Suriname and Brazil, plus many Caribbean and Central American beacons."

## PAN-AMERICAN DX

- 510 UNID, DEC 28 0520 - SS music and talk, quite strong. JAN 5 0540 - SS music and talk, very weak. [Crabill-VA] (I haven't heard of this one before, is anyone else hearing this one? - Jim)

Jim Renfrew JimRenfrew@AOL.com  
 61 Wilcox Street  
 Rochester, NY 14607-3832



- 532a TURKS & CAICOS RVC, JAN 1 0357-0405 - Excellent in long peaks with SS religious music, SS and EE IDs. No way to measure the exact frequency, but there was about a 2 kHz het between this and my local TIS on 530 kHz. [DeLorenzo-MA]  
 640 CUBA CMBC Guanabacoa DEC 30 0443 - Fair over domestics with SS talk, many Progreso mentions, mixing with another SS speaker, possibly YVQO as they mentioned Venezuela. [Sorensen-ON]  
 690 ANGUILLA, DEC 24 0515 - "University Network" with Dr. Gene Scott, // 5935, fair in CBF null; was listening until 0545 for HCJB DX test, but no such luck. [Brandi-NJ] Tried for it 0015-0045 with no success. XETRA dominant with CBU over/under. Also strong KNBR-680 sloop. [Karchevski-CA] DEC 24 0518 - The May test was better. An "HCJB" code ID and fragments of other code characters were all that I could hear of the test this time around. A severe rainstorm with wind gusts of 75 mph (120 km/h) prevented me from stringing outdoor wires at the Harwich site. I used two phased indoor loops this time around to null CBF from the northwest. This left a very strong Cuban (Joveianos) with its bad hum and Anguilla (with EE preacher) at times. None of the non-code program content got through this severe QRM. I listened from 0515 through 0545. Interestingly, adjacent Spain-684 had a huge signal; sometimes it slipped onto 690. [Connelly\*H-MA]  
 750 VENEZUELA YVKS R. Caracas, DEC 29 0058 - Fair in WSB null with SS talk by man who seemed to keep mentioning "Casino", also many Caracas mentions, ads, etc. [Sorensen-ON]  
 780 VENEZUELA R. Coro, DEC 27 2359 - Fair in WBBM null with R. Coro ID. [Sorensen-ON]  
 800 NETHERLANDS ANTILLES PJB Bonaire, DEC 29 0158 - With R. Transmundial ID by man, mentions of Neth Antilles and Bonaire in SS, gave address in Pasadena CA, then into hymn. [Sorensen-ON]  
 900t MEXICO XEW Mexico City, DEC 29 0200 - Presumed to be the one here with Mexican sounding music ending, SS talk, no ID heard, poor-to-fair mixing with CHML. [Sorensen-ON]  
 970 VENEZUELA Mundial Oriente, Barcelona, JAN 2 0354 - ID by man, SS music in WWDJ null, good. [Yocis-CT]  
 980 COLOMBIA Antena 2 RCN, HJES Cali, JAN 2 0358 - SS talk by man, ID as "R- C-N, la radio de Colombia, programa dos." Good and atop. [Yocis-CT]  
 1060 VENEZUELA R. San Cristobal YVOC - JAN 3 2306 - SS ballads, woman announcer with what sounds to me like a Spanish accent, "RSC" IDs, excellent. [Yocis-CT]  
 1160 BERMUDA, VSB Hamilton, DEC 30 0516 - BBC news items about Liberia, then report about release of pilot Bobby Hall from prison in North Korea; over others & low growl. [Connelly-MA]  
 1190 COLOMBIA LV de la Costa, HJCT Barranquilla, JAN 3 2259 - Good with Barranquilla ads, "LV de la Costa" ID. [Yocis-CT]  
 1480 PUERTO RICO WMDD Fajardo, JAN 3 2248 - Lively SS music, blowing WKDM away on peaks, talk by man, jingle ID "El Conquistador, Sonido 14-80." [Yocis-CT]  
 1530 UNID, JAN 2 0405-0433+ - Lively SS music, little talk, to good peaks in WSAI null. [Yocis-CT]

## STATION NEWS

ALBANIA: Vatican Radio has been noted on 1089 Durres, beginning at 2000 for 30 or 60 minutes. [Herman Boel in *Medium Wave News* JAN 1995]

AUSTRIA: ORF has ceased broadcasting on Medium Wave. At the end on December, 585kHz, 1026kHz and the high power 1476kHz closed down. The last transmission was on DEC 31. [Steve Whitt-UK, advance info from Radio Nederland Media Network]

GERMANY: DLF has closed its high powered (700kW) transmitter formerly on 1539kHz. The last transmission was on DEC 31. DLF is still aired on a surprising number of high powered transmitters: 153, 207, 549, 756, 1269 and 1422kHz. [Whitt-UK] AFN Frankfurt 873 has a new 150 kW transmitter. [RM/DSWCI via GW in ARC JAN 6 1995]

NORWAY: NRK has ceased broadcasting on 216kHz Long Wave. The last transmission was on JAN 1. NRK can still be heard on 630 and 1314kHz. [Whitt-UK, advance info from Radio Nederland Media Network]

RELAYS: Radio Free Europe/Radio Liberty Relay Schedule: A detailed list of transmitter sites and schedules appears in *Medium Wave News* JAN 1995. To get a copy, send 2 U. S. or Canadian stamps to Jim Renfrew.

RUSSIA: The GPR-2 schedule for the Kaliningrad transmitter (through MAR 25 1995): 171 kHz Radio Odin 0300-2200; 1143 kHz 02-04 R. Slavyanka (Tu-Su), 02-04 VO Russia (EE), 04-17 R. Mayak, 17-19 R. Slavyanka, 19-01 R. Mayak; 1215 16-20 VO Russia (EE & Polish), 22-00 R.

Nadezhda; 1386 04-06 VO Russia (EE), 06-16 R. Nadezhda, 16-20 VO Russia (GG), 2027-2126 R. Netherlands (EE), 2127-2326 R. Netherlands (DD). Kaliningrad is a geographically distinct enclave of Russian territory on the Baltic. QSLs may be obtained for 2 IRCs from GPR-2 Verification QSL Service, ul. Akademika Pavlova 13A, St. Petersburg 197376, Russia. [Ben Krepp in *Medium Wave News* JAN 1995] (Steve Whitt notes that printed schedules do not always line up with the actual operations. R. Netherlands, for example carries EE 2130-2326 UTC)

USA: "I saw a blurb on the Internet where Radio Marti-1180 had increased power to 100 kw. Have you heard about this? I've poured over the last 5 IDXDs and found no mention of this. If so, it may be the first Amer in the U.S. to have more than 50 kw since WLW in the early 40s." [Hale-ID] (I haven't seen this mentioned anywhere - Jim)

#### 1600-1700 KHZ TOP OF THE DIAL

There is a lot of interest in this new band segment, and quite a few IDXers are working hard to log foreign stuff before it gets taken over by new domestics. In *MV-EKO* (Arctic Radio Club) JAN 6 1995 there is a detailed list of European beacons and fishing operations. If you would like a copy, send two U. S. or Canadian stamps to Jim Renfrew at the address above.

And this added note from Steve Whitt: "The best time to catch European ship- to-shore stations is when they do regular nav warnings or weather broadcasts. Telephone calls are random and are set up on 2182 kHz. Schedules are published by the ITU in an annual book. The best time to listen is 00-10 minutes after the top of the hour and 30-40 minutes after the hour. All broadcasts are pre-announced on 2182 kHz." [*Medium Wave News* JAN 1995]

#### CONTRIBUTORS

@Ralph Brandi, Middletown NJ; Drake R-8, Kiwa Loop, 70 foot random wire 20 feet up on longwire. [ralph@mtunp.att.com]

@Mark Connelly, Billenca MA; Drake R8; two noise-reduced slopers (approx. 37 m each) with 50 m single-turn horizontal loop used as floating ground for noise reduction; antennas are phased with MWDX-5 phasing unit to MWT-3 regenerative tuner/preamp. [MarkWAIION@aol.com]

Perry F. Crabill, Jr. (W3HQX), Winchester VA; Drake R-8, 100' Inverted "L", 20' high RSM Model 105-C 3' LW Loop, Kiwa MW Loop.

Marc DeLorenzo, Framingham MA; GE Super Radio I, barefoot.

@Bill Hale, ID.

@Bob Karchevski, Sunnyside CA; Used Radio Shack TRF.

Morris Sorensen, DXing from Kemptonville ON; Panasonic RF-B65 with built-in antenna.

@Steve Whitt, *Medium Wave News* (e-mail), UK.

@David Yocis, Darien CT; R71A, Kiwa loop.



## AM Station Map Book

2nd ed. \$8.00, postpaid.

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

### IRCA Almanac Updaters 5.6 and 5.7 Are Now Available!

Two new updaters to the *IRCA AM-FM Almanac* are now available from the IRCA Bookstore. Updater 5.6 features the most complete listing of Travelers Information Stations (TIS) ever produced. The 32-page listing includes every known TIS station in the US and Canada between 530 and 1710 kHz and even some on FM. Updater 5.6 also includes the FCC Allotment List for stations assigned to the new expanded AM band, 1610 to 1700 kHz. Stations are listed by new frequency, old frequency, and city/state. Those who DX the band from 1600-1710 kHz will find this reference indispensable. Updater 5.7 features a complete 42-page AM and FM station slogan list, plus current station lists for the Tom Leykis, David Brenner, Pat Buchanan, and Larry King talk shows. Special prices for these two updaters: \$3 each in the U. S. and Canada, \$4 elsewhere. Order either or both updaters from the IRCA Bookstore, by sending the correct amount (in US funds) to:

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

**Confirmed Ken MacHarg** kmacharg@mhs.kcjb.com.ec

**DX'er**

HCJB - Box 39800 - Colorado Springs, CO 80949, or

HCJB - Box 17-17-691 - Quito, Ecuador (.5 oz.: 50¢)

*Your successes in obtaining QSL's and other station items*

Hello again, and welcome to our Confirmed DX'er column. Getting Christmas programming ready for broadcast on HCJB, plus a two week vacation and a visit by our son have put me behind with this column. So, let's get underway...

#### CANADA

ONTARIO, CBL, 740, Toronto, "CBC Toronto" card in 11 days, v/s illegible. (Yocis-CT)

ONTARIO, CFOS, 560, Owen Sound, Form letter, sticker in 15 days, v/s Robert Coyne, CE. (Yocis-CT)

ONTARIO, CHOK, 1070, Sarnia, Letter with stickers in 10 days, v/s Paul Godfrey, Operations Manager/Program Director. Another letter and more stickers the next day from David Barry, CE. (Yocis-CT)

ONTARIO, CJSB, 540, Ottawa, Form letter in 38 days, v/s Jeff Ruck, CE. (Yocis-CT)

SASKATCHEWAN, CKRM, 980, Regina, f/d letter in 3 weeks for SASE and bumper stickers. v/s M. David Ellis. (Reiser)

#### UNITED STATES

CONNECTICUT, KPD581, Windsor, PFC f/d card and letter in 17 days, v/s Doug Maine, Manager of Communications, CT-DOT, The Rideshare Co, 108 Charter Oak Ave., Hartford, CT 06106. (Hardest-NC)

FLORIDA, WYFX, 1040, Boynton Beach, Letter in 7 days with ad rates, v/s Rick Rieke, Engineer. (Yocis-CT)

GEORGIA, WSB, 750, Atlanta, Letter in 13 days, v/s Greg Mocerri, Program Director. (Yocis-CT)

ILLINOIS, WILY, 1210, Centralia, Coverage map and business card in 2 weeks. v/s Eric Decker, Production Manager. (Reiser-IL)

IOWA, WHO, 1040, Des Moines, Letter, sticker in 10 days, v/s Michael Flittie, Operations Supervisor. (Yocis-CT)

KENTUCKY, WAVG, 970, Louisville, f/d QSL card plus station profile and marketing map in 30 days (for reception while in Atlanta). v/s Steve Petty who enclosed a note to say this was the first reception report he had received via e-mail. (MacHarg-Ecuador)

KENTUCKY, WHAS, 840, Louisville, Card in 10 days, v/s Charles R. Strickland, CE. (Yocis-CT)

KENTUCKY, WLLS, 1600, Hartford, report returned with confirmation notation and business card in 7 days. v/s Lloyd Spivey, Jr. SM & CE. (Reiser-IL)

MARYLAND, WBAL, 1090, Baltimore, Letter in 6 weeks, v/s Hank Volpel, Director of Engineering. (Yocis-CT)

MASSACHUSETTS, WACE, 730, Chicopee, Letter, program schedule in 6 days, v/s Christine A. Shotwell, Office Manager. (Yocis-CT)

MASSACHUSETTS, WADN, 1120, Concord, Card with handwritten note in 18 days, v/s Jim Parry, Program Director. (Yocis-CT)

MICHIGAN, WJR, 760, Detroit, Card in 8 days, v/s Ed Buterbaugh, Director of Engineering and Phil Boyce, Operations Manager. (Yocis-CT)

NEBRASKA, KKAR, 1290, Omaha, frequency only letter and bumper sticker for report of DX test for label and mint stamp, v/s Allen Sherrill, CE, 1001 Farnam-on-the-Mall, Omaha, NE 68102. (Hardest-NC)

NEBRASKA, KKAR, 1290, Omaha, f/d letter for DX test in 2 months. v/s Allen Sherrill, CE. (Reiser-IL)

NEW JERSEY, WKMB; 1070, Stirling, QSL written on report, also handwritten note, in 18 days, v/s Herb Michels. (Yocis-CT)

NEW JERSEY, WONZ, 1580, Hamumonton, Letter in 32 days, v/s Daniel J. Merlo, Director of Engineering. (Yocis-CT)

NEW YORK, WBEN, 930, Buffalo, Letter in 4 days. v/s Kevin A. Keenan, Program Director. (Yocis-CT)

NEW YORK, WLNL, 1000, Horseheads, Letter in 11 days, mentioned temporary 1000 watts power due to lightning damage, v/s Robert L. Rundall, Asst. General Manager. (Yocis-CT)

NEW YORK, WRHD, 1570, Riverhead, QSL written on report in 15 days, v/s David Feinblatt. (Yocis-CT)

NORTH CAROLINA, WNCT, 1070, Greenville, Friendly letter in 8 days, v/s Kenny Proffitt (KE4RQF), Associate Engineer. (Yocis-CT)



- NORTH DAKOTA, KFNW, 1200, Fargo, letter, schedule, bumper sticker, tract in 12 days. v/s Gary Ellingson, CE. (Burns-IN)
- OHIO, WVKE, 1580, Columbus, p/d letter for SASE in 2 weeks. v/s John Maracchi, CE. (Reiser)
- OHIO, WWWE, 1100, Cleveland, Letter in 8 days, v/s Gary Bruce, Program Director. (Yocis-CT)  
(Gary Bruce hired me to do part-time work at WHAS when he was program director there--small world! --Ken)
- PENNSYLVANIA, WCCL, 1440, Carbondale, QSL written on report and business card in 12 days, v/s Bob VanDerheyden, Vice President/General Manager. (Yocis-CT)
- PENNSYLVANIA, WADV, 940, Lebanon, Card with NRC address printed on it, mentioned 5 watts power, personal note in 8 days, v/s Craig Baker, CE. (Yocis-CT)
- PENNSYLVANIA, WBZY, 1200, New Castle, f/d card in 42 days for report of DX test for label and mint stamp, v/s Bill King, 1906 Wilmington Rd. New Castle, PA 16105. (Hardester, NC)
- PENNSYLVANIA, WGMP, 1210, Philadelphia, Card in 29 days, no v/s. Even though report was for WGMP, card still has old calls of WOGL on it. (Yocis-CT)
- PENNSYLVANIA, WNAE, 1310, Warren, Letter in 21 days for tentative report, v/s Mark L. Silvis, Program Director. (Yocis-CT)
- PENNSYLVANIA, WWII, 720, Shiremanstown, Frequency only letter and bumper sticker in 8 days for an address label and mint stamp. v/s Dan Lebo, GM, 8 West Main St. Shiremanstown, PA 17011, 717-731-9944. (Hardester, NC)
- PENNSYLVANIA, WWII, 720, Shiremanstown, Letter in 12 days, v/s Dean Lebo, General Manager. (Yocis-CT)
- TENNESSEE, WSM, 650, Nashville, Card, note on BCB DX Clubs in 30 days, v/s Tom Bryant (NRC), Production Manager. Return postage returned. (Yocis-CT)
- VIRGINIA, WRVA, 1140, Richmond, Card in 6 weeks, v/s illegible, CE. (Yocis-CT)
- WISCONSIN, WFAW, 940, Ft. Atkinson, f/d letter in 31 days. v/s Clifford Groth, VP Engineering. (Burns-IN)

#### OUTSIDE OF NORTH AMERICA

- BOINAIRE, NETHERLANDS ANTILLES, Trans World Radio, 800, f/d transmitter picture card, tracts and station history in 5 weeks for IRC. v/s Virginia Pent. (Reiser-IL)
- CUBA, CMQ-Radio Rebelde, 670, f/d letter, decals, Christmas card, photo of v/s in 4 1/2 months for SS report and 2 IRC's. v/s Manolo de la Rosa Hernández. (Myers-VA)
- CZECH REPUBLIC, Cesky Rozhlas, 954, Radio Prague card (with wrong frequency (9540)), plus sticker and schedule in 26 days for cassette and 2 IRC's. (Burnell-NF)
- ENGLAND, Great North Radio, 1170, Stockton, p/d letter and 2 large stickers in 26 days for 2 IRC's. v/s Andrew Hughes. Station phoned for an interview. Evidently trans-Atlantic reception was a news item on the station for a day! (Burnell-NF)
- ENGLAND, Virgin Radio, 1215, no data card, bumper sticker, letter, list of xmtrs, etc. in 2 months. (Myers-VA)
- GUYANA, Voice of Guyana, 560, AND Radio Roraima 760, p/d form letter with hand-written additions in 74 days after f/u. v/s S. Goodman, CE. Letter was postmarked at King Edward Hotel in Toronto! (Burnell-NF) (Jean, I understand the Canada postmark. I send most personal mail by hand carrier to the U. S. for mailing there. It is quicker and safer! --Ken)
- JAMAICA, JBC, 700, letter w/verie statement in 6 weeks. v/s Lois Gayle, mgr. Public and International Affairs. (Myers-VA)
- KALININGRAD/RUSSIA, Radio Nederland, 1386, Bolshakovo, f/d "RN via CIS" QSL card in 37 days. (Burnell-NF)
- ST. KITTS & NEVIS, Voice of Nevis, 895, letter, bumper sticker, fact sheet, history of Nevis in 4 months for \$1 & IRC. v/s Tessa Nicholas, Secretary. (Myers-VA)
- WALES, BBC Radio 5, 990, Tywyn, f/d letter in 51 days. v/s Edward Trickett, Information Engineer. (Burnell-NF)

Wow, this column is already too long, and I have a lengthy list of QSL's sent in by Don Trelford of Jamaica in November, but they just got here. I will include them next time, plus those which you send in between now and then. Best wishes for 1995. --Ken MacHarg

#### Contributors this month:

Jean Burnell, St. John, Newfoundland; Mike Burns, Terre Haute, IN; Mike Hardester, Jacksonville, NC; Ken MacHarg, Quito, Ecuador; Greg Myers, Virginia Beach, VA; Thomas Reiser, Chicago, Illinois; David Yocis, Darien CT

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## Bad weather! Use it to your DX'ing advantage!

by Dave Schmidt

The winter of 1993-94 truly put to test the technical extremes that weather can play on broadcasters. Power failures put some off the air for days and weeks on end that did not have true back-up facilities, especially some of the smaller stations which just didn't have the budget to invest in emergency equipment, or plainly never had the need too as the weather conditions never existed in the past. With this, we'll note some observations we saw with the big storm that went up the east coast in March of 94, both from a listening stand-point and servicing stand-point (having been called to make repairs!)

**\*ICING OF THE TOWERS\*** One of the greatest ice collecting devices invented is the radio tower! Even though you may have a light wind during a misty rain, the air temperature goes down as you go up, and the metal surface of a tower acts like a magnet, the ice starts to form and starts to change things. Ice can drastically alter AM directional patterns, throwing them out of licensed limits, making the signal go in directions it normally wouldn't. With the advent of the solid state transmitter, changes in the resistance of the tower from ice can make the transmitter start acting up, generally causing it to "pop" or "sputter" on the air, due to protection circuits doing their job. Some stations generally cut back on their power output or go over to an auxiliary transmitter, generally their old transmitter which used tubes and is more likely to hand's a mismatch in the system.

**\*SNOW\*** With a wind driven snow, static electric starts to be a problem, not only in transmitting towers but even in your own above ground long wire antenna! The static electricity in the air can sometimes be so high that it acts like a lightning strike, causing the discharge to seek out the nearest path to ground, sometimes through spark-gaps at the tower bases or inside of a tuning unit. If the charge is high enough, it can sometimes cause the station transmitter to shut down completely! Many years ago, I had a longwire antenna which was about 75 feet long and about 60 feet in the air. In the middle of the night, I was woken from a sound sleep by a very loud "snap snap snap." To my amazement, it turned out to be an arc going between the antenna terminal on the HQ180 to the ground terminal. Not knowing what it was doing to the radio, it was unhooked and the end of the wire was left to hang. I went back to sleep. About 30 minutes later, I was again brought out of a sound sleep by a louder "snap snap snap". With the light still out in the room, I could see the antenna wire discharging to the metal slat in the window blinds! At that point, it had awoken my father from his sleep in the next room. At that point, we both noted a raging snow storm going on outside. We both decided to try putting an NES1 bulb from the antenna to ground to get rid of the problem and it worked, no more arcing. We were entertained for a while after that of a small light show from the NES1 bulb, at times staying lit completely!

**\*POWER FAILURES\*** If you lived in the northeast, you indeed familiar with the 4 or 5 ice storms which went through the region, this past winter. With many stations having remote located transmitter sights (away from their studios), they found out what ice and tree limbs can do to electrical systems, and what it is like to get electric restored following an ice storm. Many stations in this area had the electric restored days before it was hooked up at their transmitter sights, at their studios. And without an emergency generator, your off the air and at the mercy of the electric company (hope you keep that bill paid up!). And some stations, when operating with emergency power, have a habit of using the back-up equipment as it uses less power.

**\*EMERGENCY BROADCASTS\*** When an area is affected by severe weather, and they're able to stay on the air, start looking for stations using their day facilities at night or staying on the air following sign-off times at sunset. Years ago, one could clean up with AM stations staying on at night to broadcast emergency information but it seems to be less noted these days with the wider coverage of FM stations in some regions. The Weather Channel on TV can be a good gauge for this, if you watch for areas where they are mentioning extreme weather, you may be able to catch something not normally on the air for an emergency situation.

**\*AND YOUR GETTING THEM\*** In the fall, or before cold weather and snow set in, make sure that your antenna system is in good condition, making sure that it is in the clear of trees and that ends are secure and tight. Make sure that your feed point from the end of the wire to the receiver is well connected. If you use any battery operated equipment, stock up on batteries, its cheap insurance you'll be able keep listening in the event you have a power outage.

Good luck and make sure you report your results to the columns of DX NEWS!

(And our thanks to DXAS member "PAT" CASSIDY who filled me in on stations he noted off during the March '94 storm in the northeast!)

## Hurricane on the Dominican Air Waves

By César Objío

ADORA, the Dominican Association of Broadcasters, has been waging a war for years with the Dirección General de Telecomunicaciones due to problems on the airwaves. ADORA says the DGT has been granting licenses for AM, FM and television frequencies to everybody who ask for it, and because of this the airwaves are saturated with more than the necessary stations endangering the businesses already established. They also say that there is a law from 1978 (No. 908) which forbids the issuing of new frequencies to anybody but the government (or the DGT) does not pay any attention to that. They have addressed themselves directly to the President of the Republic in order to put correction to this, but to no avail. The last action of the President was to appoint a Commission (on October 5) in order to investigate the situation and give an opinion for the solution, but ADORA also protested the appointment of this Commission as the DGT was to be a member of that Commission, and they said that should not be done because that person is the one responsible for the creation for the existing disorder on the air waves.

During October the Asociación Internacional de Radiodifusión (Broadcasters International Association) had a meeting in this country, at La Romana, and after reviewing the situation condemned the action and asked President Balaguer to put a stop to that and to close the stations ordered to operate after the law was issued on 1978. AIR says that they have asked the President several times to respect the law but nothing has happened and the issuing of new licenses keep going out to everybody.

The disorder is unique and most of the stations appear on FM, either in the capital or in the country. There have been cases when stations from the country have been moved to the capital (this is a clear violation of the law) but the original station keeps in operation in the country, so instead of one there are two stations in operation: the original station and the moved one. Even illegal stations in the capital has forced stations to move their frequencies in order to make space for the illegal ones to operate, as the law says that no stations in the same city can operate separated for no less than 0.4 MHz. But nobody pays any attention to that and everybody does what they want, it is said that all this is with the approval of the DGT.

As it is a long time I don't visit the country I don't know the new stations that may have sprang up outside the capital. But here there is a very curious case: One station started to operate surprisingly with studios at San Cristóbal, a town about 25 kms. west from Santo Domingo. The local station there R. San Cristóbal on 1390 can be heard easily in Santo Domingo, but the owner of the new station installed the transmitter and antenna at Haina, halfway between San Cristóbal and Santo Domingo, so the station is heard as a local here. But all this was premeditated as some days ago I was told that the station moved to Santo Domingo, but they only moved the studios, as the transmitter is not going to be moved closer to Santo Domingo, what for if they are being heard loud and clear in Santo Domingo. Now, the law states that no station in AM could operate in any town separated no less than 30 kHz from existing ones. Well, R. Guarachita is on 690, R. HIZ is on 730, and the new station is wedged between these ones on 710 kHz, only 20 kHz from either one on the sides, and rumors say that it belongs to the DGT. The name? "Ondas del Caribe". Another illegal station in Santo Domingo is "Radio Villa" on 1330. But, what can be done? Well, nothing, as it is the government that is violating their own law. May be the owner of the station is laughing at home and saying to himself: 'Don't worry, you have a right to keep shouting, but no protest is going to stop me from doing what I wish.'

There are also some new TV stations which have started operation in a different way. They operate through cable TV wires and you can watch them on channels 10, 15, 23, 35, 41 (this one operates through the air on channel 27). They are like simple TV stations, only you must have Cable TV in order to watch them.

Here is the translation of an article published in a weekly magazine dedicated only to Radio and TV, with the subject of illegal stations:

### "RADIO ONLY RADIO

By Ramón Almánzar

#### The Illegal Stations

After the publication of some comments about the stations which operates illegally (some time ago), mostly on FM, ADORA sent us a detailed list of which those stations are, and here it is:

San Francisco de Macorís is the leader with six new stations on the following frequencies: 89.9, 90.3, 93.5, 105.9, 106.3 and 106.9. (There is a possibility that a next one starts operation soon). ADORA says that there are cases as those mentioned in this city in which "some broadcasters who also had their FM frequencies assigned there have appeared with some new ones".

Santiago follows with five on: 88.7, 89.5, 97.1, 103.1 and 107.9. In Santiago there also exist the case of some broadcasters who have more than one station.

With two new stations are: La Romana: 105.9 and 106.7. Moca: 91.7 and 106.5. Puerto Plata: 91.7 and 103.1, and in neighboring Sosúa there is one on 106.1.

Other cities with only one illegal station are: Azua on 98.9, Bani on 97.3, Cotuí on 89.5, Higüey on 90.3, Mao on 106.7, (in the same frequency used by Constanza, not far away), Salcedo on 107.7, Santo Domingo on 107.1 (also used at Jmao, but far from here), and Tenares on 89.7.

There are still more stations that I don't remember right now, but I will try to mention them later on on this column.

But not only FM is the field for new illegal stations, also on AM there are many of them, as ADORA says that they know about many, and this is true. (But he did not mention frequencies on AM). There is also the case of many stations that move from one city to another one without the legal permit, as cases everybody know at La Vega, San Francisco de Macorís, Bonao...

The disorder that can be found on the dial with this new batch of illegal stations makes everybody think that there is no order in the house, and that any person related to government officials may, in any way or in any time he likes, perhaps on his birthday, open a new station at his house yard, and if he likes the idea keep it operating as a new one, protected by the "legalized illegacy", and with the approval of the government authority.

It is good to emphasize that this time ADORA is not keeping quiet, despite the fact that some of its members are implicated on the irregularities. The leaders of the Association, headed by José Enrique McDougal, are conscious that everything on a civilized society have to operate on a certain organized way and with some limitations so that it does not happen precisely what is happening right now on the dial and in electronics communications in the Dominican Republic, that anybody who uses to do as he likes, without taking the law into consideration and having as accomplices the same persons who are supposed to enforce the law."

(This article appeared on "Escala, Artistic Magazine", Sunday October 9, 1994).

What will happen next? I don't know, but don't worry I'll let you know when it happens.

## DX'ing Near the Haitian Border? ... By César Objío

When my wife told me that a tour was being organized in order to visit Lago Enriquillo during a whole day I jumped of joy as I thought this was the best occasion I could have to check the stations at Port-au-Prince after the return of Jean Bertrand Aristide back to power, she said she was very happy to see that I was joining the party.

Well, on Saturday October 29 we got up at 3.30 a.m. in order to be ready for the departure scheduled for 5 a.m. I prepared a handbag with my TRF and DX-400, both Realistic receivers, WRTH, paper and several pencils, also headphones in order not to disturb the other travellers. We went to the meeting place and boarded a bus, but we did not leave till 6 a.m. So we lost one hour there, then we headed west.

We had our first stop at 7.30 at a place named Cruce de Ocoa, as there the road divides, one to the right to San José de Ocoa up in the mountains and to the left we continued to Azua. We went on till Neyba where we stopped about 9.30 in order to permit the travellers to buy grapes and wine at a selling place. Here I took advantage of the time granted: 30 minutes. I discovered there was a new station at Neiba: R. Bahoruco 900, announcing also a frequency on 100.3 FM, which it was really true.

Our next stop was La Descubierta, where we were given 30 minutes again. This place is near the border with Haiti, but the town is located at the side of a mountain (Sierra de Neiba), with mountain to the north and west blocking the signals that could come in from Haiti. Here is list of stations I heard both on Neiba and La Descubierta:

- 630 - New relay for R. Televisión Dominicana, located nearby, place unknown.
- 850 - R. Guarocuya, Barahona
- 900 - R. Bahoruco, Neiba
- 1020 - R. Enriquillo, Tamayo
- 1100 - R. Jimaní
- 1200 - R. Caracol, Azua
- 1240 - R. Barahona
- 1400 - R. Televisión Dominicana (another new relay, location unknown, but not too far away as the signal was strong)
- 1580 - R. Neiba.

This was all I could hear, but nothing from Haiti. The trip continued on to Jimaní, that is the best place to hear stations from across the border, but we did not stop there. Another stop at a place named "La Zurza", more to the east from Jimaní, but nothing new on the radio. Now we were on the southern shore of Lago Enriquillo and heading east to Barahona (La Descubierta and Neiba are on the northern shore of Lago Enriquillo). When we reached Barahona we turned right in order to take a road to the south to a place named "Los Patos" (The Ducks) some 40 kms. away. The road was carved on the side of

the mountain as this one dropped almost straight to the sea, but it was a good road. We arrived at the place right by the sea about 3 p.m. It was a small river which had a wide pool just like a swimming pool before the water reached the sea. Here we spent more time than in any other place, from 3 to 4.30 p.m. As we had all the west and north blocked by the high mountain I only had the opportunity to listen from the east and south, so here is what I could hear:

- 540 R. ABC, Santo Domingo (4)  
 550 WPAB, Ponce, (3)/ YVKE, Mundial, Caracas (2)  
 560 LaVoz de la Pampa, Maicao, Colombia (3)  
 570 R. Cristal, Santo Domingo (4)  
 580 WKAQ, San Juan (1) / La Voz de la Fe, Marac. (3)  
 590 R. Continente, Caracas, Venezuela (3)  
 595 Dominica (3) English  
 620 R. Tv Dominicana, Santo Domingo (4)  
 630 R. Tv Dominicana, location unknown (2)  
 640 Ondas Porteñas, Puerto la Cruz, Ven. (2)  
 650 R. Universal, Santo Domingo (4)  
 660 Ondas de los Médanos, Coro, Ven (3)  
 670 R. Dial, San Pedro de Macoris, D.R. (4)  
 680 R. WABA, San Juan, Puerto Rico (2)  
 690 R. Guarachuta, Santo Domingo (3)  
 700 R. Popular, Maracaibo, Venezuela (3)  
 710 WKJB, Mayagüez, Puerto Rico (3)  
 720 R. Oriente, Porlamar, Ven. (2)  
 730 R. HITZ, Santo Domingo (3)  
 750 R. Caracas, Venezuela (4)  
 760 WORA, Mayagüez, P.R. (3)  
 780 R. Coro, Paraguaná, Ven. (3)  
 790 La Voz del Trópico, Santo Domingo (3)  
 810 R. Baní, Dominican Rep. (4)  
 820 R. Vigía, Cartagena, Colombia (3)  
 830 R. HJJB, Santo Domingo, D.R. (4)  
 850 Super 85, Aguadilla, P.R. (4)  
 860 R. Clarín, Santo Domingo (4)  
 880 R. Especial, Puerto la Cruz, Ven. (2)
- 890 R. Continental, Santo Domingo (4)  
 900 R. Mara, Maracaibo, Venezuela (1)  
 910 RQ-910, Caracas, Venezuela (2)  
 920 R. 9-20, Santo Domingo (4)  
 930 WEKO, Noti-Uno, Cabo Rojo, P.R. (3)  
 940 R. Punto Fijo, Venezuela (3)  
 950 R. Popular, Santo Domingo (5)  
 990 WPRR, Mayagüez, P.R. (3)  
 1010 R. Comercial, Santo Domingo (4)  
 1020 R. Enriquillo, Tamayo (2)  
 1040 R. Central, Santo Domingo (4)  
 1060 R. Azua, Dominican Rep. (4)  
 1080 R. Ambar, Santo Domingo (4)  
 1090 Exitos Mil Noventa (1090), Caracas (2)  
 1100 R. Oriente, San Pedro de Macoris (2)  
 1120 Metro Once Veinte (11-20), Santo Domingo (3)  
 1150 Onda Musical, Santo Domingo (2)  
 1180 R. Mil, Santo Domingo (4)  
 1200 R. Caracol, Azua (5)/ R. Tiempo, Caracas (2)  
 1270 R. Ambiente, Baní (5)  
 1300 R. Util, Mayagüez, P.R. (3)  
 1340 R. Nosotros, Aguadilla, P.R. (3)  
 1350 R. Falcón, Puerto Cumarebo, Ven. (3)  
 1440 La Voz de la Verdad, Santo Domingo (3)  
 1510 R. Pueblo, Santo Domingo (3)  
 1540 Criolla Comercial, Santo Domingo (2)  
 1570 R. Amanecer, Santo Domingo (4)  
 1600 R. Revelación, Santo Domingo (2)

As usual, my numbers mean: 5: as a local, 4: good, 3: fair, 2: weak, 1: almost unintelligible. And as it can be seen, stations from Santo Domingo are heard stronger than the ones in the region, i.e., from Barahona, Enriquillo, Neiba, etc., as I was situated in the back of the mountain making it difficult for the signal to cross and the signals coming from S.D. come almost directly over the ocean.

Summing up I can say that this trip was a failure as I could not hear what I wanted to hear. The organizers of the tour only wanted the people to stop at places they had prepared beforehand where the travellers could take a bath but, unfortunately, not good for me, as all I wanted was to hear stations from Port-au-Prince, and I could not hear one, as at the places we stopped I was blocked to the west and north by mountains, so you can imagine how I felt with this trip. At least I decided to write this article for you, even though there is nothing of interest here, sorry.

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## Expanded Band: Too Few Too Late?

by Harry Cole

**WASHINGTON** With relatively little fanfare, in October of last year, the FCC wrapped up the first phase of its implementation of the AM expanded band rules. The lack of fanfare is understandable, given the results of the years-long proceeding are less than overwhelming.

For those of you who may have stopped worrying about AM radio years ago, let's recap a little. In the mid-1980s, the FCC, concerned about the continuing wane of AM radio, began looking at ways to beef up the service on that particular medium. His goal was nothing less than the "transformation and revitalization of the AM broadcast service by the year 2000," according to one Commission decision.

### Different tactics

This was to be accomplished through a number of different tactics, most notably by the creation of 10 new channels to be tucked into the upper-end of the existing AM band. This new "expanded band" space would be reserved for existing stations already operating in other parts of the band, those stations would "migrate" to the expanded band. The thinking was that such a migration would relieve congestion in the old "lower" band and provide a nice clean completely unclogged new "upper" band.

In theory this was great. Initially, the commission estimated that the new band might be able to accommodate as many as 25 to 30 stations on each of the 10 new channels. Let's see, that would be somewhere between 250 and 300 stations which would be cleared out of the lower band. That might have made a difference, even if there are currently 5,000 AM stations nationwide.

But, as is often the case, the dramatic numbers did not pan out. As early as 1991, the commission was backing off the notion of a 25-to-30-station-per-channel capability, although the FCC was still trying itself to a particular estimate. In 1991, all the commission would say was that the new band would "likely accommodate fewer than 200" stations.

### The chosen 79

And so things pretty much sat until October 1994, when the FCC finally issued its long-awaited list of stations which would be eligible to apply for places in the expanded band. The final count? 79, count 'em, 79 stations nationwide have been invited to venture off into the expanded band.

Procedurally, each of the chosen 79 will be given the opportunity (once any petitions for reconsideration and/or appeals are resolved) to file an application for a construction permit to relocate to its designated expanded channel. If the application is determined to be acceptable for filing, it will be included on a cut-off list. While petitions to deny may be filed, no competing applications will be accepted. The application will then be processed in the normal fashion, a permit will eventually issue, construction will happen, and so on, and so on.

If all sounds nice and workable, even if the numbers are considerably smaller (like, around 70 percent smaller than initial projections, and more than 50 percent smaller than the watered down "fewer

than 200" estimate in 1991) than we all hope for, and in truth the folks in the AM Branch deserve a lot of credit for struggling with a difficult problem and trying to come up with an innovative solution.

### A realistic look

But let's get real. How realistic is it to think that the expanded band will ensure any significant improvement in the overall scheme of things on the AM side?

We are talking about 79 stations in all. First, how many of these stations are really going to want to leave their established place in the established portion of the band to try their luck in a chunk of the band that the vast majority of existing receivers do not receive?

Sure, you say, receiver manufacturers will soon be cranking out expanded-band radios left and right. Maybe, but maybe not. Why would they be inclined to redesign their products just to accommodate a total of 79 stations?

And even if the receivers become available, why would the public necessarily be inclined to run out and invest in new AM radios just to pick up one or another of the 79 stations? After all, at any of the affected stations have listeners who are loyal enough to go buy new receivers, then those stations presumably are already enjoying reasonable success where they are in the band, congestion notwithstanding. Why would they want to move?

And if a station does not have such loyal listeners, isn't it likely to be non-suicidal to move to a channel where even potential listeners will be scarce, at least for the immediate (and possibly foreseeable) future?

### Difficult dilemma

The expanded-band scenario puts us in mind of a drama involving a submarine crew trapped at the bottom of the ocean. The captain devises a plan which calls for a number of crew members to leave the ship to relieve the on-board congestion and make life more livable for everybody. The trouble is that it is not clear that anyone on the surface—i.e., those in a position to help—will have either the technology or the interest to save those who leave the ship.

Could crew members who choose to leave survive outside the ship? For how long? What would happen if the technology necessary to help them wasn't available or worse, if the people on the surface simply decided that they did not care enough?

As melodramatic as this may sound, these strike us as the types of questions which an AM broadcaster, confronted with the expanded band opportunity, should be asking. And, frankly, the correct answers are far from clear.

The one thing that does seem clear is that, while it may have looked good on paper for a while, the expanded band approach is probably not going to move us much closer to the "revitalization" of the AM broadcast service.

If you have any questions about how the expanded band proceeding could affect you, you should consult with your communications counsel and/or your consulting engineer.

□ □ □

Harry Cole is a partner in the Washington-based law firm of Best & Cole. Chartered. He can be reached at 202-811-4190.

Radio World  
-via Jerry Starr

The expanded-band scenario puts us in mind of a drama involving a submarine crew trapped at the bottom of the ocean.



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# Musings of the Members

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

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

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

JOHN MALICKY - 995 SHADYCREST ROAD - PITTSBURGH, PA 15216-3046  
 - - - - - Happy New Year '95 & HELLO all ELK club members....opps, wrong club! (Not really, ED KREJNY might like it'-DWS). Hope your favorite football team, college and/or pro won its bowl game or is still in the playoffs. THANK YOU'S to JOHN BOWKER for the "Now & Then" column, who listed my favorite market W62#5, new member DAN EMERICK for his kind comments, & to CHRIS CUOMO (aka Chad Stevens) DJing on X-15, WXXV-1510, otherwise known as "The Little Station That Tries" (WLST). For 30 years, the 1510 spot in the E suburbs began as WPSL changing to various calls (WRUA, WNVU, others?) currently settling as "Pittsburgh's Alternative Rocker". About 4 years ago when this 'new music' was in full gear, locally WXXP-100.7 (Double X) was our outlet. In '93, 100.7 changed to "K-Bear", hot country format, making 3 on the local FM dial. Then about 2 months ago, 'K-Bear' was shot down by a hunter known as 'The Point', with hits from the 70's, IDing as WPPT. Anyway, Chris sounds very well, maybe the best to hit the 'Burgh airwaves! Chris mentions that WXXV operates with 250 watts critical hours, 1000 watts 'normal' and only one request for NRCers an hour! Sign off is with 'Looney Tunes'. Good luck Chris & X15! Locally, WYJ7-860 & WPI7-730 are carrying the CBA Piranhas basketball with Ray Goss handling the play by play. O'Brian & Garry, Pittsburghs Middle aged crazy DJ team has returned to WTAE-1250 5-9AM. Also met the Friday night 10-11PM DJ from WNCS-540, Mark Vohe, who plays oldies at a recent Christmas party and passed on some NRC info. Thanks to JERRY BOND, I've got a picture of ERC, DAVE & myself on the "How To Request A Verie" panel from Nashua. That's it, 73's

MIKE HARDESTER - 3118 GAITWAY COURT - JACKSONVILLE, NC 28546-6973  
 - - - - - Greetings! Not a lot of DX going on, the faithful R70 is suffering from a severe case of audio/display-itis, both go on/off at sporadic times, so repairs are a necessity, but low priority at the moment. I'm preparing to return to college for a BS degree in Computer Information Systems, and classes start 1/11. After 10+ years since any formal education, this will be an adventure! By the time this gets in print, the IRCA TIS/HAR Updater should be available. Comments, inquiries, updated info will be welcome at the above address or via BILL HARDY. Nothing else of DX note going on, so I'll close wishing y'all a Happy New Year of DX!

JOHN BOWKER - 1811 PORT DUQUESNA DRIVE - SUN CITY CENTER, FL 33573  
 - - - - - Like so many others who have been members of the NRC for a few years, I thought I'd add to DAVE's finger exercises at the typewriter & re-introduce myself. I'm fully retired except when a few stations want some free consulting about changing facilities. My name still resides at a few NBC stations as their FCC guru since that's what I did during much of my career for them. But now, in America's Premier Retirement Community" (the sign at the I75 interchange just outside Tampa says that!), I happily play with the ham radio community and trim up the tape recordings I have of US AM stations & their ID's & jingles (just over 5000 now). Each year, wife Linda & I spend 5-6 months in our motorhome going from place to place where there is an AM station not in the collection, in '94 we travelled 11000 miles in 32 states & picked up 433 new stations on tape! '95 should be productive also as we plow right through the heartland of the country where we've never been on our way to, of course, Aurora, CO where the big NRC convention will be held. Love to communicate via E-Mail, my screen name is RADIOJOHN@AOL.COM. Lets chat!

ERNEST COOPER - 5 ANTHONY STREET - PROVINCETOWN, MA 02657  
 - - - - - The verie count has reached 4470, as I begin my 53rd year of AM DX-ing, with the addition of WJCR-1320, WCTG-840 & WONZ-1580. Quite a few still out, I'm still at it, both twilights & early mornings, 12/7 Vatican Radio noted on both 1530 & 1611, both unneeded here. 12/8 I noted Q93, CJYO-930 1:20AM, but stronger at twilight. 12/9 on 1000, 4:08PM, an ad for jelly beans, Sears & a Wynn-Dixie, no ID. 12/10 looking for the WGYJ-1600 test, I noted, as we used to say back in Brooklyn, 'boids choipin' around 1:07AM, but no code or announcements caught, were those chirps from WGYJ, I wonder? 12/14 on 750, seldom heard WXXH was doing just fine with religious music and another report off, as they didn't answer last year & they still haven't as of 12/29. The new NRC log arrived, and as usual, a great job except that I had expected listings on 530 & 1610 of the oodles of TIS stations. 12/15 WDFN-1130 making it in almost even with WBBR, who is changing format somewhat to 'total information', but not enough for a report. 12/17 at last, enough for a report to CJYO-930, in as early as 3:32PM! 12/18 a report off to W20U-1470, with MYL/Standards & ABC news, equal to WLAM-870. 12/21 acting on a much appreciated tip from RAY ARRUDA, I logged WFLE-1060 4:54PM, not enough for a report, but on 12/23, they were in much better and a good report is off to them. 1060 is a good twilight spot with both WBTV & CJRP both silent! WFLE was still coming in at 5:30PM, seems like they should have signed off by then. 12/24 old 'friend' WOAT-1200 was

on tobat 2AM, apparently WKOX was off. Christmas Day used to be a DXers paradise in the old days, stations would carry midnight mass and then sign off, but the French Canadians would carry on all night with festive music and could be logged easily, as could many Latin American stations, also celebrating. Ah, the good old days before everyone went to 24 hour schedules. I'm hearing carriers & hums on approx. 1645 & 1695 every morning, what are these? (Sounds coming from an electric spoon warmer 2 blocks away'-DWS). 12/29 looking for CIQC-600, I tuned in at 3:30PM and heard only a weak WICC, but by 3:45PM, another station moved in & atop, nope...not CIQC or the Newfie, but WFST! They held loud & clear til 4:03PM when they suddenly dropped down into the mud, apparently their power cut. But DX wasn't all N, on 810 WQI% was laying waste to WGY & CJVA for a good report til their 5:15PM sign off. 12/30 somebody on 1330 sounding like WARK??? ID at 2AM as News-Talk, under WRCA, nothing seems to fit. Happy New Year & Forward March!

GERRY THOMAS - 3635 CHASTAIN WAY - PENSACOLA, FL 32504  
 - - - - - Greetings. I hope that everyone's DX season is going well. It may be a good season around here but I wouldn't know, my time at the dials has been just about nil. I did sit down with the HQ180A a couple of weeks ago only to have it go dark after about 10 minutes. Yeah, the fuse was blown but it would instantly blow replacement fuses so I had to go into it. It turned out to be a bad power rectifier diode and apparently not the 1st time it had happened since both diodes in this used machine had already been replaced. I've had the Watkins-Johnson HF1000 at work now for a couple of months but haven't had the time to do a systematic comparison. My initial impression is that it is a fine machine, very sensitive with good selectivity, ergonomics a little weird, but overall, it's pretty nice! I've been experiencing a constant back-log of 10-17 orders for Quantum Loops, if you've ordered one, please be patient, I can only make 3 a week. Speaking of the Quantum Loop, I've enjoyed ELLIOT STRAU'S comparison of the Quantum Loop and the Kiwa Loop from a while back. I've heard from 11 who own both. S said that the Kiwa is better, I said the Quantum is better, and the rest feel that there is no big difference between the 2. The Kiwa should null better (air core loops null better than Ferrite loops) but the Quantum should be a little better in weak signal situations (the variable capacitor that the Quantum uses should be freer of distortion than the varactor diodes the Kiwa uses). These predicted differences seem to be borne out by user comments. I am working on improving the nulling of ferrite loops (relative to air core loops) and have a couple of more experiments to complete. If successful, I'll write a little article on the results and offer upgrades to current Quantum Loop owners. I'm also working on (& have been for the past year), a Quantum Phasor, for use with the loop, and a Phasor Loop. Both use electronic phasing instead of the usual passive RLC approach and have been successful in prototype form but I haven't designed the circuit boards, cabinet layout, etc., for production, maybe in a couple more months. I did receive word in Oct. that the new sound absorbing technology I came up with at work was issued a patent and last week the first license was signed (to an automotive industry supplier, the technology will apparently first be used in the 96 or 97 Cadillac Seville, out of my class!). More exciting to me, however, is a new patent I'm working on that is RF related. I'll tell everyone after I submit that Patent application, hopefully in 6-8 weeks, I think you'll like it. On other matters, HARRY HELMS has started writing a column for NUTS & VOLTS magazine that's very interesting. So far, there have been columns on loop antennas, vacuum tube receivers & the expanded AM band. It's clear that Harry has the same virus that has infected us! That's about it from here, back to the family & holiday obligations. 73's (Good luck, Garry!-DWS)

DAVE SCHMIDT - P O BOX 11502 - WILMINGTON, DE 19850  
 - - - - - First, thanks to BRUCE CONTI for the WNRC-1390 verie from the Nashua convention, hope others have received this fine item as a reminder of a good convention. But...I've heard the hotel has closed? With the 4AM fire alarm wake up, I can see why! PLEASE make sure that you send the right contributions to DX NEWS to the proper column editor, I've received 2 within the last week. It just further delays getting the info into the fold. If you are not able to attend the NRC convention this year and are looking for a "DX gathering" to go to, please consider the ANARC/NASWA Kulpville gathering in March, covering "all" types of DX community items. I've been asked to present a forum with others on verifying techniques. Kulpville is between Philadelphia & Allentown. I've been at the last 4 and have enjoyed it. And 1/14 marks my 31st year in the NRC. Didn't the member who claimed to be in the NRC for 20 years who just turned 19 just drop out? CUN?!

## The NRC is growing - and you can help.

More members in the NRC means a larger DX News ... and more features and services for all members. You can help your club grow: just send the names and addresses of potential club members to the NRC - P. O. Box 5711 - Topeka, KS 66605 and we'll send them a current copy of DX News. You could start with your local AM stations' personnel! Spread the word - the National Radio Club is on the grow!