

DX News

Serving DX'ers since 1933

Volume 68, No. 26 - May 14, 2001 (ISSN 0737-1659)



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From the Publisher ... We're happy to report that the new editor of "Confirmed DX'er" is Greg Myers (tmyers01@tamapabay.rr.com and PO Box 20112, St. Petersburg, FL 33742), a veteran reporter to these pages. Thanks to the others who indicated an interest in volunteering, too. On the other hand, we're sorry to report that the Conrad "Reunion" in Waterloo, IA was canceled, for this year, at least. And we hope to have detailed, definitive information concerning the NRC Convention in Pittsburgh in our June issue from our host, John Malicky.

As if I didn't have enough to keep me off the streets, I've at least temporarily taken over publication of WTFDA's *VHF-UHF Digest* after long-time (23 years) publisher Bill Thompson (also a long-time NRC member) had to give it up ... and good luck and rest in your "retirement", Bill. The WTFDA is still looking for a permanent publisher (as is IRCA for *DX Monitor*, by the way). While I continue quite healthy and see no retirement from publishing DXN in my near future, those of you who have some expertise in publishing might consider contacting the NRC BoD and letting them know that in case of emergency you'd be able to help out. We do have some contingency plans in case something might happen to me, but it would be definitely good to know that publishing DXN could be handled by more than just one person. And keep in mind that if you need to request replacement issues or information that you specify which bulletin you need ... "last week's" just doesn't cut it any more.

Thanks to Robin Christoff for his recent list of DXN delivery times to Welland, Ontario ... which to me were shocking, as the average seemed to be around 10 days! No one, and I mean NO ONE in Canada has ever complained to me about excessive delivery times of DXN, but when I get reports from Europe of faster delivery times than in Canada, I have to wonder just what's going on (maybe you Canadians are just used to slow mail delivery?). FYI, all DXN's headed out of the USA have to be "enveloped", so we use a heat-sealed plastic bag, which adds only slightly to the weight, and we mail at full first-class rate ... so to my way of thinking DXN should travel much more quickly

than it does in Canada, unless some dimwit can't read "First Class" in the imprint nor understand the postage amount printed on the stamps. Therefore, anyone who has a suggestion for speeding up DXN travel in Canada should contact the publisher ASAP.

DXChange ... John Clark (518-654-6531 or <<killerclark@hotmail.com>> is offering two GE Superadio II's for sale, both in very good condition: Model #72885-F ... all controls intact and functioning perfectly ... FM antenna mounts somewhat loose for \$100.00 (or best reasonable offer).

Welcome to these new members ... John T. Wagner, Pickerington, OH (rejoins); Dr. Scott Becker, Kiowa, KS; Dave Johnson, Rockville, MD; James Tedford, Shoreline, WA; Charles Zaroff, Henderson, NV; Don English, El Paso, TX; Paul Zecchino, Englewood, FL (rejoins); Saul Chernos, Toronto, Ontario; Stanley P. Bernik, Clarendon Hills, IL; Tom Calatonia, Rockville, MD; Karen Wedekind, Wilmington, NC; Mike Leiviska, Anoka, MN; John T. Jenkins, Spokane, WA; Jeffrey S. Snyder, Silverdale, PA; Stan Greenwood, Greeley, CO; Robert Lee Drake, Pontiac, MI; Ron Hopkins, Trail, British Columbia; Thomas A. Root, Flushing, MI; and Eric Loy (rejoins), Champaign, IL.

DXN Publishing Schedule, Volume 68

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
27.	June 1	June 10	29.	Aug. 3	Aug. 13
28.	July 6	July 16	30.	Sept. 7	Sept. 17

DX Time Machine

From the pages of DX News:

50 years ago ... from the May 19, 1951 DXN: Pat Reilly, Jamestown, NY reported veries from PRF9, PRB2, WMOD, PRG2, 4YA, CKFH, and PRG9, the seventh Brazilian to verify that spring.

25 years ago ... from the May 24, 1976 DXN: A survey revealed "deterioration of mail service when Air Mail was eliminated" from NRC members receiving DX News via this mode; the survey had been requested by the USPS.

10 years ago ... from the May 6, 1991 DXN: Mike Hawk, Omaha, NE bagged TICAL-530 from Costa Rica on March 30 on a Sangean ATS-803.

AM Switch

Jerry Starr w8jv@yahoo.com
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

	<u>Old call</u>		<u>New call</u>
570	WWRC	MD Bethesda	WTNT
620	WJWR	NJ Newark	WSNR
910	WYLI	OH Marietta	WBRJ*
1070	KFDI	KS Wichita	KFTI
1260	WGAY	DC Washington	WWRC
1340	KKYD	CO Denver	KCFR
1400	WEBG	PA Loretto	WBZV
1420	WDBF	FL Delray Beach	WPBI
1440	KSLX	AZ Scottsdale	KAZG
1490	WGYM	NJ Pleasantville	WUSS
1500	KRCK	CA Burbank	KIEV
1580	WONZ	NJ Hammonton	WGYM
1600	WSNR	KY Beaver Dam	WAJA
1630	KNAX	CA Clovis	KOME

*Note: The WYLI-910 change to WNRJ shown last issue was incorrect, the result of a typo from our info source

APPLICATIONS FOR NEW STATIONS

1610 PQ Montreal: 1000/1000 U1 (would be Canada's first official X Band station)

GRANTS FOR NEW STATIONS

1330 CASHasta Lake City: 1000/1000 U3
1450 SDPierre: 1000/1000 U1

APPLICATIONS FROM EXISTING FACILITIES

570 CKEK BC Cranbrook: to 102.9 FM
640 CFOB ON Fort Francis: to 93.1 FM
830 WEEU PA Reading: 5000/6000 U4
940 CJIB BC Vernon: to 105.5 FM
980 WPGA GA Perry: 1000/150 U1, city of license to Macon, GA
1190 WJES SC Johnson: 350/115 U2
1220 KOMC MO Branson: 470/44 U1
1290 WHKY NC Hickory: 25000/1000 U4
1360 KAHZ TX Fort Worth: 50000/860 U4
1380 KMUL TX Muleshoe: 50000/9 (14000 CH) U6
1460 KKTK TX Waco: 4000/700 U4
1470 WSRO MA Marlborough: 7000/3400 U4
1510 KJQI CA San Rafael: 8000/200 U4
1520 WRSL KY Stanford: 1000 D1
1550 WDLR OH Delaware: 4000/200 (2300 CH) U7
1560 WINV FL Inverness: 6800 D1, city of license to Beverly Hills, FL

GRANTS TO EXISTING FACILITIES

540 KDFT TX Ferris: 1000/350 U4
560 WEBC MN Duluth: 50000/5000 U4
790 WTNV NC Thomasville: 2500/70 U1
1040 KLHT HI Honolulu: 10000/10000 U1
1150 WTMP FL Egypt Lake: 5000/500 U4
1470 KYUU KS Liberal: 10000/170 U1
1570 KBJT AR Fordyce: 780/8 U1
1570 WNSH MA Beverly: 5000/500 U4
1580 WSMO NC Camp Lejeune: 20000/16 (6000 CH) U1



OTHERNESS

620 KZTY NV Winchester: CP for this station expired 12/21/2000, and a Petition for Reconsideration and a Motion for Stay have both been DENIED; looks like this one might be dead

740 WMBL NC Morehead City: license CANCELLED, call DELETED at licensee's request

740 WBUB SC Barnwell: license CANCELLED, call DELETED at licensee's request

840 KABN AK Long Island: silent station has announced it will return in "late spring"

840 WXEW PR Yabucoa: CP for 5000/5000 U2 is on

850 KICY AK Nome: CP for 50000/50000 U2 is on

920 KLOC CA Ceres: silent station is ON THE AIR

990 KRKS CO Denver: CP for 6600/390 U2 is on

1020 WRHB FL Kendall: new station is ON THE AIR

1030 WONQ FL Oviedo: CP for 10000/1700 U4 is on

1030 WNVN IL Vernon Hills: CP for 5090/5 (3200 CH) U11 is on (shown in Issue #24 as U1)

1120 WKCE TN Maryville: CP for 1000 D1 is on but FCC makes no mention of move to Seymour, TN which was part of the original application

1130 WMGA GA Moultrie: this station is indeed back on this frequency with 10000/250 U2 (see Otherness Issue 23). It had applied for a CP to move to 580 kHz and since it was having problems with the nighttime antenna system on 1130 the FCC granted an immediate STA (Special Temporary Authority) to move to 580 kHz using 2 of the 4 towers in the original 1130 system until the terms of the CP could be met. About the same time the station was sold and the new owners never completed the work to go forward with the actual CP for 580. Eventually the STA and CP for 580 expired but the station continued to operate on 580 for several years until the FCC forced it to return to 1130 kHz where it is today. This fascinating story is directly from Art Sutton, the former owner, via NRC'er Powell Way

1140 KSLD AK Soldatna: silent station is ON THE AIR

1200 WMIR SC Atlantic Beach: CP for 6500/11 U1 is on

1270 WWCA IN Gary: station is SILENT

1290 WBZT FL West Palm Beach: CP for 10000/4900 U4 is on

1360 KFIV CA Modesto: CP for 4000/950 U4 is on

1380 WTMC DE Wilmington: CP for 5000/1000 U4 is on

1400 WBTB NC Beaufort: station is SILENT

1450 KVSL AZ Show Low: CP for 1000/950 U1 is on

1480 WFXW IL Geneva: station is SILENT

1580 WKIG GA Glennville: license CANCELLED, call DELETED

1590 WMIM PA Mount Carmel: station is SILENT

1600 WMHG MI Muskegon: silent station is ON THE AIR

KB 1520 AM
Real Country Gold

Jerry & BKF

THANKS: Bill Hale, Shawn Axelrod, Ed Krejny, Pat Martin, Dave Schmidt, Phil Boersma, and MSJ 73 and Good DX, Jerry Starr & Buffalo K. Foonman

The NRC AM Radio Log, 21st Edition, including cross-referenced listings from 530-1700 khz., is compiled from both listeners' reports and official sources, making it the most accurate listing of U. S. and Canadian AM stations available. Unbound, three-hole punched for standard binders. Still only \$16.95 to U. S. and Canadian members; \$22.95 to U. S. and Canadian non-NRC members. Airmail to members: Latin America, \$24.00; Europe, \$25.00; rest of the world: \$28.00. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax).

Domestic DX Digest

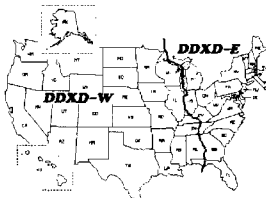
West: **Bill Hale** phantom2@eaze.net

6124 Roaring Springs Drive - North Richland Hills, TX 76180-5552

East: **Michael Shaw** mshaw002@tampabay.rr.com

455 Alt. 19 S., Apt. 176 - Palm Harbor, FL 34683-5931

(Division line is
between East and
Central time zones)



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

DDXD-West

MEDIUM WAVE RAMBLINGS

- Garnering some great Graveyard DX and adding to his totals, **Barry McLarnon** sez: "The geomagnetic storming in recent weeks has been a real bust here, as regards producing interesting MW auroral enhancements. When conditions get mediocre, I tend to spend more time lurking on the graveyard channels. I'm not sure if it's the disturbed conditions or more of a seasonal change, but I find that the GYs currently seem less jumbled than in the winter months, and IDs are a little easier to come by... so check 'em out!"
- Heard any good radio on your fillings lately?? **Gary Jackson** sends an article from the *Sacramento Bee* saying folks living near KXOL-1660's new tower are hearing the radio signal on cell phones. "Pacific Bell technicians have made numerous service calls to the neighborhood in response to customer complaints, said a spokesperson. She said the radio station has hired a contractor to help area residents deal with the interference."
- **JJR** comments: "Really proud of the WPSE logging. While sleeping, watching TV or doing stuff around house, I'll throw on a cassette to tape the DX. I've logged over 50 NEW stations this way!"; From the NRCDXAS reflector: "KSES-700 Soledad, CA not on yesterday or today, 4/30. Another Monterey County AM radio casualty?" posted by **Albert Lehr**.
- Wow! A whole month 'til we meet here again. DX well, and don't forget to report your loggings. Next deadline... May 31.



KDDD/KMRE

800 AM 5150 95.3 FM
24 HR COUNTRY

"We're Playing Moore Country"

REPORTERS

- AB-CA **Art Blair Folsom** NRD-515 & Kiwa loop <artblairca@prodigy.net>
- DBJ-TN **David Jones** Springfield Lowe HF-225 + Antenna Loop 1
- GJ-CA **Gary Jackson** Sacramento FRG-8800 + Kiwa Loop
- NJ-MT **Nancy Johnson** Billings FRG-7 & Radio West loop <NancyJohnson@prodigy.net>
- EL-IL **Eric Loy** Champaign Drake R8 w/Quantum QX, Superadio III, Realistic TRF <ecloy@netscape.net>
- KO-IL **Ken Onyschuk** Joliet Honda caradio/GE Superadio
- CR-IL **Christos Rigas** Wood Dale Honda car radio; Kenwood R-2000, Kowalski Loop <crigas@birinc.com>
- JJR-WI **John J. Rieger** South Milwaukee Icom IC-R75 w/Kiwa loop or GE Superadio III w/Terk AM1000 loop <johnrieger@webtv.net>
- JTR-OK **John Reed** Ponca City Racial RA6772E with 100' wire, modified KIWA loop, MFJ phaser <jreed@ponca.net>
- KR-AZ **Kevin Redding** Mesa DX-398 and RS 15-1853 loop; CCRadio barefoot <amfmdvdx@qwest.net>
- MS-MB **Morris Sorensen** Winnipeg Drake R8 with Quantum QX Pro Loop <SMosor@aol.com>
- RS-MO **Randy Stewart** Springfield Yaesu FRG-100, 15" Sanserino box loop; Sony 7600G barefoot <jrs555t@smsu.edu>
- RT-CA **Rich Toebe** Davis Delco radio in '97 Pontiac <rictoebe@jps.net>
- JW-CO **John Wilkins** Wheat Ridge Drake R-8, 4-foot box loop <peakbagger3@juno.com>
- Ed.-TX **Editor** North Richland Hills

STATION NEWS & NOTES

- 930 WAUR IL **Sandwich** - Has been reported, on the NRCDXAS newsgroup, to be off the air. Evidently the owners, Catholic Radio, is selling the facility and has taken it off. So, until new owners can be found, Chicago-area DXers... sop up all

the 930 DX you can! [Ed.-TX]

- ... and then ...
- 930 WAUR IL **Sandwich** - 4/30 - Noted silent while driving to Morris. The deal to sell to **Brad Saul** of *The Center For People with Disabilities* fell through. (KO-IL)
- ... and then ...
- 930 WAUR IL **Sandwich** - Back on the air on Wednesday May 2nd. The station went off the air on April 26, 2001. The programming consisted of religious talk. (CR-IL)
- 1050 KTBL NM **Los Ranchos de Albuquerque** 4/20 2106 - Older C&W music, *Table 10-50* and *Classic Hit Country* slogans. Generally fair here. Ex: **KHTL**. (JW-CO)
- 1150 KBIS TX **Highland Park** - 4/9 - Now business news and **Imus in the Morning**. Also CNN News on the hour. Slogan: *Your Business Edge*. [Ed.-TX]
- 1190 KTRA TX **Dallas** - 4/9 - Finally, after weeks of having the FCC approve the new call, is IDing as this. Is Fox Sports plus **Jim Rome** from 1200 to 1500. Slogan is: *Extra Sports 1190*. [Ed.-TX]
- 1340 KCFR CO **Denver** - 4/23 0931 - NPR and CPR programs. Ex: **KKYD**. (JW-CO)
- 1440 KAZT AZ **Scottsdale** - 3/5 - Stunting with oldies and a very small playlist. Same four or five songs over and over. New call. (KR-AZ)
- 1480 WFXW IL **Geneva** - 4/30 - This satellite pop oldies 'juke box' left the air permanently about the second week of April, as the transmitter land was sold to a developer. I've heard station owner **Larry Nelson** is interested in it. Nothing much heard on 1480 days or nights now. (KO-IL)

UNIDs and UNID HELP

- 820 UNID ?? - 4/30 1800 - Oldies music, under WBAP. Couldn't make ID. No listed oldies format in Log [on frequency]. Any ideas? (DBJ-TN)
- 1660 KWSJ? KS **Kansas City** - 4/21 0730-0800 - Weak, with what sounded like classical music. Could this have been Kansas City?? (GJ-CA) [Probably - Ed. Almost definitely -pls.]

TIS & OTHER STUFF

- 530 TIS IL - 4/16 1309 - Poor, while driving on I-88 near Aurora, Illinois, with weather information for Aurora. Does not match anything in the FCC TIS database. (CR-IL)
- 1470 "KCFL" CO **Arvada** - 4/9 0020 - Oldies tunes, old-style jingles. Went off around 0040 per re-checks. This pirate shows up a few times a year using KCFL or KTLN calls. He has been noted on 1470, 1250, and 1630 in years past. Past DF'ing has placed him in Arvada, a NW suburb of Denver. (JW-CO)
- 1550 R. Cadillac IL - 4/18 1905 - While driving on Arlington Heights Road in Arlington Heights, Illinois, I tuned to this frequency and heard a two-and-a-half minute loop of *Radio Cadillac* advertizing played over and over. It consisted of song on blues format along with *Radio Cadillac* jingles. Signal peaked at the Arlington Heights Rd. and Algonquin intersection, but it was audible even at home in Wood Dale, some 6 miles away. If this is one of those billboard stations it sure gets around. (CR-IL)
- 1580 <no call> CA **Benicia** - 4/13 1930 - The mystery station that was playing a loop of being "on hold" is now a talking billboard for Radio Cadillac, alongside northbound I-680. Gave website: www.radio.cadillac.com, but no listing of where these billboards are is available. Examples of their programming are on the site. No calls given. (RT-CA)
- 1610 KNEC996 CA **Turlock** - 4/14 1800 - Cal Trans testing with: *This is a test of Cal Trans HAR system. This message is updated as conditions change. This station is operating on 1610 AM. This KNEC996*. (GJ-CA)
- 1610 WPPF929 IL **Naperville** - 4/16 1327 - Good, heard while driving on I-88 near Naperville Rd. with municipal information. (CR-IL)
- 1670 KA59505? CA **Sacramento** - 4/23 0500 - The TIS/HAR on Watt Avenue Bridge is back on after several silent months. This call??? Not WNEG268 as on my QSL card? Giving info on closed lanes. Good signal. (GJ-CA)

Hometown
RADIO

For the Lockport Area!



- 1700 <no call> CA Mountain View? - 4/13 1710 - Radio Cadillac noted here, with snappy, upbeat format. Heard strongly in Santa Clara; weakly in Fremont. (RT-CA)
- MIDNIGHT TO MIDNIGHT ELT
- 570 WVMI MS Biloxi - 4/17 0500 - Ad for a job fair at the local fair grounds. Good. (DBJ-TN)
- 590 KLBj TX Austin - 4/2 0745 - Call ID with SS QRM. WOW, normally dominant was not heard. (JTR-OK)
- 620 KTAR AZ Phoenix - 3/30 0710 - IDing as News Radio 620 KTAR. Unusually good signal due to auroral conditions. (JTR-OK)
- 670 KIRN CA Simi Valley - 5/1 0822 - With Arabic / Iranian music. Very rare to be heard in Arizona. (KR-AZ) [This is correct City-of-license - Ed.]
- 680 WZNK MI Dearborn Heights - 4/18 0200 - With Arabic programming. ID at 0200 as 690 Day, 680 night, WZNK Dearborn into program in language I couldn't ID. (DBJ-TN)
- 760 KTKR TX San Antonio - 4/15 2359 - Concluding Texas Rangers baseball network coverage with several spots mentioning The Ticket-760, San Antonio weather forecast from The Weather Channel, and legal ID at 0000. Atop frequency. WJR weak to nonexistent underneath. New log for me. (RS-MO)
- 810 WQJZ SC St. George - 4/30 0600 - Call-in show and religious music. IDs as Hallelujah, Jesus, WQJZ. (DBJ-TN)
- 910 KBIM NM Roswell - 4/16 2333 - Spot for Agri-Talk program on Roswell's best talk, News-Talk 910 KBIM as well as other promos. Surfaced briefly atop frequency. Heard on the bedside Sony ICF-7600G (barefoot, both the radio and me, hi). New log. (RS-MO)
- 940 WGMY MI South Haven - 4/22 0605 - Fair, with promo and NOS. Rare here. (JJR-WI)
- 990 WNRV VA Narrows - 4/12 0558-0600 - Good, in CBW null, with gospel music, dual ID as: 3WR-AM and WNRV. (EL-IL)
- 1000 KOMO WA Seattle - 4/25 0212 - With Art Bell and Richard C. Hoagland. (KR-AZ)
- 1120 KMOX MO St. Louis - 4/24 0156 - With announcer that sounds like Lionel. [The train? - Ed.] Ad for golf course at Norwood Country Club 314-977-8180. Ad for a garden show and Buckheit (?) Landscaping. Rare. (KR-AZ)
- 1130 CKWX BC Vancouver - 4/24 0151 - A Canadian! They are nearly impossible to hear here! With traffic by a woman and weather by a man. Got an ID. As far as I am concerned, getting a Canadian here is so hard and that makes it foreign to me! (KR-AZ)
- 1230 KSJK OR Talent - 4/9 2232 - Gal with KSJK call ID. I think the station was having a pledge drive. (AB-CA)
- 1240 KSUE CA Susanville - 4/9 0900 - KSUE Susanville call ID, for California #200. (AB-CA)
- 1240 KODY NE North Platte - 4/12 2305 - Poor, with ID as KODY Newstalk 1240, ad for a staff opening at KODY (send resumes to P.O. Box 1085 North Platte, Nebraska). (MS-MB)
- 1300 KTWKt CO Colorado Springs - 4/14 0258 - . . . with classic memories for Colorado Springs, then into the mud. (KR-AZ)
- 1330 KLBO TX Monahans - 4/12 0659 - Very good, with oldies and ID as Radio Free Texas, KLBO. (EL-IL)
- 1350 WTAZ IL Peoria - 4/22 0649 - Fair, with WTAZ.com mention into ESPN Sports. Not common. (JJR-WI)
- 1380 KTKZ CA Sacramento - 4/23 0708 - With a traffic, then a weather report for Sacramento, Stockton and the surrounding areas. The reporters were both female. (KR-AZ)
- 1400 KDRG MT Deer Lodge - 4/11 2300 - ID in good, over KODI. (NJ-MT)
- 1400 KBJM SD Lemmon - 4/9 2300 - In good, with woman giving legal ID, then went into CNN News. New log. (NJ-MT)
- 1450 WHTC MI Holland - 4/19 2157 - Poor, with calls and PSA in fade up. (JJR-WI)
- 1450 WIBM MI Jackson - 4/28 2330 - Poor, with calls, in fade up. Sports format. (JJR-WI)
- 1450 KQDI MT Great Falls - 4/16 2200 - ID: This is KQDI Great Falls, Newstalk 14-50 over others on the frequency. (NJ-MT)
- 1450 WPSE PA Erie - 4/28 2341 - Poor, with AM 1450 WPSE, "Southern Utah's Hot New Country"



- 1450 WDLB WI Marshfield - 4/15 2158 - Poor, in fade up, with legal ID, then out. (JJR-WI)
- 1450 WRCO WI Richland Center - 4/15 2158 - Poor, in fade up, with calls and NOS. (JJR-WI)
- 1470 KWSL IA Sioux City - 3/26 2045 - Call ID and Oldies 1470 with oldies: Ray Charles, etc. (JTR-OK)
- 1480 KYOS CA Merced - 5/3 0525 - Ag program from California Agri-Network. In a very tight null of KPHX, and fighting it out with an XE. (KR-AZ)
- 1490 KDMO MO Carthage - 4/5 2040 - C&W music with call ID: Mighty KDMO. Good signal on fade-ins. (JTR-OK)
- 1490 KRNR OR Roseburg - 4/19 0904 - News, mention of Roseburg at 0905, then covered by KBLF. (AB-CA)
- 1510 KMXN CA Ontario - 4/18 2230 - California Angels vs the Seattle Mariners baseball. Rick Lewis, moderator of AMFMTVDX pointed this out to me during a phone call. First time heard with these calls. KFNN Mesa, Arizona was off the air. (KR-AZ)
- 1510 KGA WA Spokane - 4/27 0600 - With ToH ID and CBS News. Then This is Coast to Coast AM with your news leader, KGA, Spokane. (KR-AZ)
- 1540 WJJT TN Jellico - 4/10 1430 - Fair, with oldies music and ID as WJJT, 1540, Jellico. (DBJ-TN)
- 1550 KXEX CA Fresno - 4/14 0136 - Playing SS Rel choral music, and preaching. (KR-AZ)
- 1560 WAGL SC Lancaster - 4/11 0700 - Local news, ID as Waggle Country. C&W music. Poor, under WMRO. (DBJ-TN)
- 1590 KUNX CA Ventura - 4/14 0112 - With Radio Unica ID with SS talk. New. (KR-AZ)
- 1630 KCJJ IA Iowa City - 4/7 0457 - With music and ID, through KSMH-1620 slop. (GJ-CA)
- 1630 KCJJ IA Iowa City - 5/1 0730 - Ad for Midtown Rest [?? - Ed.]. Birthday greetings. (DBJ-TN)
- 1650 KGXL CA Torrence - 4/9 0740 - Korean language programming. New here. (JTR-OK)
- 1650 KWHN AR Fort Smith - 4/20 0500 - Through KGXL at top of hour [reverse Murphy's DX Law, hi - Ed.], then lost as KGYL came back strong with Korean-language program. (GJ-CA)
- 1700 KBGG IA Des Moines - 4/7 0657 - Really strong, with CNN News. Iowa in good this morning. Best heard in months. (GJ-CA)

GRAVEYARD DX UPDATE

indicates record held from Alaska or Hawaii
 * indicates record held by DXer from North America (excluding Alaska)



					Miles
1230 kHz:					
WHIR	KY	Danville	Barry McLarnon	Ottawa, ON	705
KOTS	NM	Deming	Chris Knight	Fort Lupton, CO	618
1240 kHz:					
WHBU	IN	Anderson	Barry McLarnon	Ottawa, ON	619
WAVN	MS	Southaven	Tim Hall	Memphis, TN IAP	5
KODY	NE	North Platte	Morris Sorensen	Winnipeg, MB	(Tie) *614
1340 kHz:					
WEXL	MI	Royal Oak	Barry McLarnon	Ottawa, ON	416
1400 kHz:					
WKXI	MS	Jackson	Barry McLarnon	Ottawa, ON	1186
1450 kHz:					
WMAS	MA	Springfield	Barry McLarnon	Ottawa, ON	276
WCIE	NC	Spring Lake	Barry McLarnon	Ottawa, ON	724
WHRY	WI	Hurley	Barry McLarnon	Ottawa, ON	694
1490 kHz:					
WCHM	GA	Clarksville	Ron Bailey	Shelby, NC	119
WYYZ	GA	Jasper	Ron Bailey	Shelby, NC	171

WCDO	NY	Sidney	Barry McLarnon	Ottawa, ON	211
WLOE	NC	Eden	Barry McLarnon	Ottawa	647

Totals:		1230	1240	1340	1400	1450	1490	Total
Barry McLarnon	Ottawa, ON	42	42	44	50	45	51	274
Ron Bailey	Shelby, NC	32	34	30	29	25	33	183
Morris Sorensen	Winnipeg, MB	2	3	4	7	10	7	33

DDXD-East

Rick Kenneally (RWK-CT) writes "Moving my listening station to a different part of the house farther away from our noisy electrical panels has really improved conditions on the lower end of the band, but it has also surfaced some other QRM sources. Our child-proof nightlights give off a wicked buzz when on, and my little Sony recording Walkman gives an interesting warble on certain frequencies. Finally, there is the unID neighborhood warble that is strong near power lines but from which you never quite escape. I mention this because I was wondering if *DX News* could open up a section for reporting new QRM sources. Seeing as there are almost as many as there are radio stations, and that the challenge of identifying them is often greater than that of IDing stations, it seems that we could define a whole new branch of the hobby. Now, how to get them to QSL..." (An excellent idea, Rick, as QRM gets a lot of space on the DXAS reflector and in "Target DX" when Russ Edmunds grits his teeth and writes about it. Perhaps you'd like to volunteer to be the editor? Or, just enjoy the "Noise" section this issue in "DX'er's Notebook"-pls.)



STATION NEWS

- 1090 **WMUS MI Muskegon** - 04/23 - Switched to a News/Talk format. Has Dr. Laura 0900-1200; Rush 1200-1500; Dave Ramsey 1500-1700. Rest of schedule is filled with AP Network all-news format and MRN NASCAR on weekends. Schedule is LSR-LSS; slogan is "NewsTalk 1090". (PLB-MI)
- 1600 **WMHG MI Muskegon** - 04/06 - Back on-air after a week of silence due to transmitter failure. (PLB-MI)
- UNID, UNID HELP, PRESUMED AND CORRECTIONS
- 790 **WQXI GA Atlanta** - 4/20 1930 - Sports call-in show talking about upcoming NFL draft. (RJ-NC2)
- 860 **CJBC ON Toronto** - 4/28 0009 - Easy listening music followed by commentary in French (RJ-NC2)
- 960 **UNID** - 4/06 0500 - Fair; "This is GTO 960 News-Watch Sports". (SC-IN)
- 1070 **WAPI AL Birmingham** - 4/15 2010 - Baseball announcer stating that the Birmingham Barons game vs. Mobile at Henry Aaron field has been rained out. (RJ-NC2)
- 1310 **CIWW ON Ottawa** - 3/15 1921 - Identifies itself as "Oldies 1310" followed by Beatles' "She Loves You". (DJ-PA)
- 1340 **WALL NY Middletown** - 4/10 2236-2303 - Fair with Yankees/Royals baseball (J. Sterling & M. Kay), Chase Bank and used car classified ads publication commercials point to this one versus other 1340's on the Yankees network farther north. Was mixing a lot with Disney—WWLF, Auburn, NY. (MB-NJ)
- 1570 **UNID MD Baltimore** - 04/19 0630 - ID, "Baltimore, Maryland's choice. (possible call) WNST. Faded up above WFLR. (DT-CT)
- UNID MD Baltimore** - 04/19 0630 - [RE: above, station is] 1570 WNST, Towson, MD, a Baltimore suburb NW of the city. (RJE-PA)
- 1620 **UNID MA Lawrence** - 04/25 1720 - Heavy-duty preaching in Spanish; good signal while traveling on I-495 between routes 28 and 110. (BC*MA)
- 1670 **UNID MA Lawrence** - 04/25 1725 - Spanish contemporary Christian music, tin-can audio; best signal at I-495 and route 28. (BC*MA)

STATION LOGGINGS

- 540 **WDMV MD Pocomoke City** - 4/20 2236 - In WLUX null with GOS music, break for DJ promos; the "Heaven 540, WDMV" ID. (RWK-CT)
- 560 **WQAM FL Miami** - 4/04 2004 - Weak; "It's the Florida Marlins Baseball Network, Phillies leading 7 to 3". "The Tenth Inning Show on WQAM". (SC-IN)

- 580 **WTAG MA Worcester** - 4/12 2200 - I moved my DXing location to a different room in the house, which got me away from some QRM and opened up the lower frequencies. This was the first logging since the move. Heard Starz movie channel ad, then man: "Worcester's (pronounced Wuster) number one choice for news and talk, Newstalk 5-80, WTAG, Worcester", then CBS News. Clear, with just my warble QRM, which is all over the neighborhood. (RWK-CT)
- WHP PA Harrisburg** - 4/12 2300 - Good with ad for Clear Channel's Jingle Seminar, then man: "WHP 5-80 Harrisburg—Central Pennsylvania's flagship station for Clear Channel Communications", then ABC News. (RWK-CT)
- 610 **WIOD FL Miami** - 04/01 0300 - On top of frequency during auroral conditions after fighting with Colombia earlier in evening. Jeep ad, call letters then continued interview with a local congressman. Seemed like a good community radio show. (RWK-CT)
- WSNG CT Torrington** - 4/15 1600 - Been trying for this one for a while. Only seven more stations to go before I've heard everything in Connecticut. ID got a little trashed by 600-WICC hash, but heard: "WS. ington [? -MS] and WDRC-1360, Hartford". (RWK-CT)
- 620 **WHEN NY Syracuse** - 4/23 0605 - In WSNR null with news headlines by announcer, then "for more details on these and other stores, tune to Newsradio 570 WSYR. I'm Chris Wideman on Syracuse's Sportsradio 620 WHEN". Then into Imus interviewing Joe Torre. (RWK-CT)
- 640 **WWJZ NJ Mt. Holly** - 4/23 0100 - Finally (after many tries) in good at the top of the hour with usual Radio Disney stuff. Then child saying "AM 640 WWJZ Mt. Holly, Philadelphia". (RWK-CT)
- CFYI ON Richmond Hill** - 4/24 2000 - In good with end of talk show on sports, host mentioning "Mojo Radio AM 640" many times and "Talk Radio for Guys". I think the host called himself "The Spider". Then commercial for a home renovation funding program with 416 area code then local Ontario sports. Fighting Radio Disney in NJ. Does Mojo ever give its call letters? (RWK-CT)
- WHLO OH Akron** - 4/24 0000 - Not loud but in relative clear with end of GOS song, then man: "Let the music move you. Gospel music on 640 AM, WHLO, Akron" then some sort of news as it faded away under WWJZ-NJ. (RWK-CT)
- 690 **WOKV FL Jacksonville** - 4/16 0100 - Thanks to tip on the NRC mailing list, heard this in strong over CINF with spot about Daniel Home for Homeless Children, then "Your official news, traffic and weather station, Newstalk 690 WOKV Jacksonville". (RWK-CT)
- + - 04/16 2205-2300 - All alone and above local QRM with Jim Bohannon Show, local weather and plenty of "Newstalk WOKV 690-Depend on it" IDs. Full ID at top-of-hour, "Jacksonville's official news, talk and weather station-Newstalk 690, WOKV, Jacksonville—it's 11 o'clock", then CNN Radio News. Probably cranking out 50 kW the way they've been covering the East Coast. (MB-NJ)
- 780 **WABS VA Arlington** - 4/27 0631 - Loud and clear with local events calendar, local weather, ad promoting sexual abstinence, and into recorded REL programming. Call letters given often. (RWK-CT)
- 790 **WSKO RI Providence** - 4/6 0200 - Sports talk program under CIGM. Recorded top-of-hour spot mentioning World Series, then man: "WSKO, Providence." (RWK-CT)
- WETB TN Johnson City** - 4/16 0830 - Gospel music. Announcer regularly ID'ing as WETB "Sunshine 790." Seemingly, WTNC has gone silent. (RJ-NC2)
- 800 **WPJM SC Greer** - 4/20 1950 - "WPJM" ID surfacing briefly in jumble. (RJ-NC2)
- 810 **CJVA NB Caraquet** - 04/28 2130 - Excellent; French pop music countdown, ID "CKLE, CJVA, la radio tous de jour"; well over WGY. (BC-NH)
- 830 **WCRN MA Worcester** - 4/2 0815 - 0835 - Good post-sunrise signal with nostalgia music, occasional IDs as "Swing 830 WCRN", promos, ads and mention of New England. (AR*NY)
- 850 **WTAR VA Norfolk** - 4/28 0001 - Dr. Joy Brown, WTAR ID, CNN News and ad for Colonial Cadillac. (RJ-NC2)
- 880 **WVLR VA Moneta** - 4/12 2120 - Virginia highway construction reports followed by ads for businesses near Rocky Mount exits. Then CNN Headline News. (RJ-NC)
- 890 **WHNC NC Henderson** - 4/8 0659 - Weather report for Henderson; announcer says he

- will be on until 2 PM; "standby for CNN News from Washington, DC (wouldn't that be Atlanta?) (RJ-NC)
- 900 CKTS QC **Sherbrooke** - 3/30 1046-1110 - English-language relay of medical call-in program from CJAD-800. Occasional ad clusters. ID at 1100 as "News-talk radio CJAD 800", followed by news from CJAD newsroom and return to talk program. Same CJAD ID and own news report heard later at 1800. CKTS connection not mentioned. (AR*VT)
- CJBR QC **Rimouski** - 04/28 2120 - Fair; music program on CBC French service parallel CJBC 860, in CKTS null. (BC-NH)
- WBRV NY **Boonville** - 4/20 1253-1300 - County music, ads, PSAs, mention of Lewis County. AP Network news @ 1300. Faded during on-hour ID, but I made out the words "The Moose: WBRV-Boonville-Old Forge...WLLG-FM Lowville-Carthage". (AR*ON)
- 920 WOKY WI **Milwaukee** - 3/15 1848-1856 - Rick Nelson tune "All Right Now" ["Garden Party"? -MS]; voice ID; another tune "Little Old Man" but I didn't recognize the group [Bill Cosby -MS]. (DJ-PA)
- 930 WNZS FL **Jacksonville** - 4/20 2209 - End of Jacksonville Suns game vs. Greenville Braves. "You're listening to Suns baseball on 930-The Fox". (RJ-NC2)
- 960 WFIR VA **Roanoke** - 4/06 0530 - Fair; "On News-Talk 960, the new WFIR". "The new WFIR newstime 6:30, good morning I'm Frank Murphy". (SC-IN)
- KZIM MO **Cape Girardeau** - 4/06 0555 - Weak; canned male announcer with ID "KZIM". Live announcer with, "Good morning, this is the livestock... report"; with lightning crashes. (SC-IN)
- 970 WJMX SC **Florence** - 4/05 0000 - Very weak; ID "News-Talk 970 WJMX Florence", into ABC News with US hostages held by China as lead story. www.geocities.com/amlogbook/freq/960khz.htm lists spelling as Florence. (SC-IN)
- WBCG NC **Clinton** - 3/27 2145 - C&W music. ID as "AM 970 WBCG" (RJ-NC)
- WVOP GA **Vidalia** - 4/8 0759 - Song "Do You Believe in Magic?" Legal ID and then network news (RJ-NC)
- WCHN NY **Norwich** - 04/05 2100 - Up through WWDJ with just man saying "WCHN, Norwich". Back at 10pm with "Unforgettable AM 970, WCHN". (RWK-CT)
- WGTK KY **Louisville** - 4/20 2238 - Heard call letters WGTK twice in confusing jumble on frequency. Last heard as WLKY. (RJ-NC2)
- 980 WONE OH **Dayton** - 3/15 1804-1806 - Voice ID; ad for Frank Smith Show then faded. (DJ-PA)
- 990 WLGZ NY **Rochester** - 0401 2255 - OK signal over WZZD with Shriners' ad, ID by man, "Only Make Believe" by Elvis. (RWK-CT)
- 1000 WMVF TN **Paris** - 4/28 0043 - C&W music. "If you like your country, leave it on 1000, WMUF." Totally dominating on frequency. (RJ-NC2)
- WIOO PA **Carlisle** - 04/27 2030 - Sign-off with mention of wioo.com 24 hours, under WCMX in CKBW null. (BC-NH)
- 1070 WKOK PA **Sunbury** - 4/14 0400 - Buried under CBA-NB and wicked WTIC-1080 hash. Just "WKOK, Sunbury" by man then (I think) they went into CBS News. (RWK-CT)
- WLFE NY **Plattsburgh** - 3/31 1650-1700 - Country music, plugging "your kinda country" and "Double play Saturday". Occasional IDs as "102.3 WLFE". Gave snail-mail address as P.O. Box 712, St. Albans, VT 05478 (which is same as WWSR-1420). On-hour ID as "WLFE FM St. Albans and WLFE AM Plattsburgh-Burlington". This definitely was the one that LW reported on 2/20. (AR*VT)
- 1100 WGPA PA **Bethlehem** - 4/18 2029 - Finally taped and logged from home after hearing during commute home a few times. Full sign-off by man mentioning all the usual stuff, but no national anthem. (RWK-CT)
- + - 04/28 2030 - Fair; Spanish tropical music, man in Spanish, then full data sign-off announcement in English, jingle, and off. (BC-NH)
- 1120 WPRX CT **Bristol** - 04/27 2135 - Fair; Boston Red Sox baseball in Spanish, promo for Voces de America program on "la Puertoricansima, once veinte AM". (BC-NH)
- 1220 CJUL ON **Cornwall** - 4/6 2225-2259 - Decent at times in WKNR null with good peaks at times. Various NOS songs and the ID, "They don't make 'em like this anymore, The Jewel, 1220 AM." Listed without call as not on air in Log. Thanks



- to Patrick Martin and Saul Chernos from the listserv for helping on the ID of this one!!! (MB-NJ)
- 1230 WHUC NY **Hudson** - 4/15 1605 - Trying for WLAT-CT and got this instead. Now with Music of Your Life format. Heard calls at end of news, then into weather. Another ID, then into MOYL programming. (RWK-CT)
- WNAW MA **North Adams** - 4/16 2100 - Out of mush with very clear recorded ID by man: "News on the hour, every hour-WNAW". (RWK-CT)
- 1240 WNBZ NY **Saranac Lake** - 4/2 1500-1520 - ABC news, network and local ads, followed by MOYL-type music, plugging "America's best music". Frequent IDs. (AR*NY)
- 1250 WIPS NY **Ticonderoga** - 4/2 0840-0900 - "MOYL" music and frequent ID's as "1250 AM WIPS". Mentioned Adirondack Park Network at 0848. ID at 0850 was "Here's more of the Music of Your Life on 1250 AM WIPS". CBS news at 0900. (AR*NY)
- 1270 CFGT QC **Alma** - 04/20 2343 - Very poor and briefly noted with FF talk by male announcer and mention of CFGT. Mixing badly with WXYT. (MB-NJ)
- 1300 WAVZ CT **New Haven** - 4/9 2259 - Briefly noted amidst WJFK with WAVZ mention (as a part of a longer unreadable top of hour ID) then into ABC News. (MB-NJ)
- 1320 WDER NH **Derry** - 3/31 0855-0901 - Religious programs and on-hour ID as "WDER Derry NH". Very weak signal on I-89 while passing by Randolph, VT, whose local on 1320 was conspicuously silent. (AR*VT)
- CJMR ON **Mississauga** - 4/4 0500 - Poor under WJAS with "Christian Radio for Southern Ontario, Joy 1250". First time here, although the old CFGM in Richmond Hill was a nightly visitor. (SF-TN)
- 1330 WYSN PA **Somerset** - 4/24 2100 - OK signal but getting clobbered by UNID carrying Cleveland Indians baseball game. Latin-sounding ballad then recorded ID by man: "Music and memories from the 40s, 50s and 60s— this is Sunny 13-30 WYSN Somerset". New station number 500 from CT for me. (RWK-CT)
- 1340 WWLF NY **Auburn** - 4/10 2300 - Slowly began mixing with presumed WALL noted above with usual Disney fare (the higher pitched children's voices do cut through noise very nicely) and joint ID at top of hour, "WOLF-Syracuse and WWLF-Auburn" by girl. (MB-NJ)
- 1370 WXXI NY **Rochester** - 3/28 2015-2022 - NPR Radio; voice ID; ad for Rochester Symphony Orchestra concert. (DJ-PA)
- 1380 WSYB VT **Rutland** - 4/1 1255 - "Ask the Handyman" program. ID at 1300 mentioned 70 years on the air, ending with words "AM 1380 WSYB Rutland", then CNN News. (AR*VT)
- WNNY NY **New York** - 03/31 2100 - Local with all news in Spanish: "Noticias Trece Ochenta" IDs given as often as WINS says "10-10 Wins". EE ID at Top of Hour: "This is WNNY, 13-80 AM, New York" by deep, produced voice. (RWK-CT)
- 1390 WNIO OH **Youngstown** - 3/28 2054-2101 - PSA for National Day of Prayer; very good voice ID. (DJ-PA)
- 1410 KQV PA **Pittsburgh** - 04/13 2336-2359 - Holding its own amid the jumble with CNN Radio national news, weather and sports. Station ID "When you needed to know we were there, Pittsburgh's exclusive all-news station, Newsradio 1410, KQV-Pittsburgh" at 2359. (MB-NJ)
- 1430 WPNI MA **Amherst** - 4/14 0600 - Good ID under WNSW: "The Valley's only all news and information public radio station-WPNI" by man. Then mentions of sponsors, then "It's Only a Game" show. (RWK-CT)
- WENE NY **Endicott** - 4/15 0300 - Very good with funny ad for Imus, then "WENE, Endicott". Heard earlier in night with "WENE Endicott. Radio 14-30. Pegasus (?). All sports all the time." Under WNSW. (RWK-CT)
- WMYS IN **Indianapolis** - 3/22 2350 - Clear ID between NOS songs. "14-30 WMYS" (RJ-NC)
- 1440 WNYG NY **Babylon** - 4/11 0950 - Dominant daytimer with end of Christina Aguilera "Genie in a Bottle" then kids saying: "All students, all the time. Student Radio 14-40, WNYG". (RWK-CT)
- 1450 WSNO VT **Barre** - 3/31 0740-0800 - Began with PSA, ID's, promo for NCAA Network

KROX *the Voice of the Valley* 1230

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- and weather, followed by Steve Hayter (?) sports call-in show. CBS news at 0800. ID'ed as "1450 WSNO the talk station" and "Central Vermont's Weekend Sports Authority". (AR*VT)
- 1460 **WGNA NY** Albany - 4/11 2241 - Poor with Country music (//FM 107.7) and "Continuous Country WGNA-FM" ID. (MB-NJ)
- WBET MA** Brockton - 4/17 2300 - Rising up out of mush with "Jim Bohannon right here on 14-60 WBET". (RWK-CT)
- 1490 **WFAD VT** Middlebury - 4/1 1219 - PSA and station promo, ID as "WFAD Middlebury 1490 AM", followed by EZL music. (AR*VT)
- WICY NY** Malone - 4/10 0300 - Very poor in hash with end of ballad I didn't recognize, then recorded "AM 14-90 WICY" by man, then gone. (RWK-CT)
- WCSS NY** Amsterdam - 04/01 1905 - Decent signal in GY hash with weather by man, then ad for Fantastic Sam's, then recorded ID: "This is WCSS 14-90 Amsterdam, a ??? Communications radio station". (RWK-CT)
- 1520 **WTHE NY** Mineola - 04/23 2000 - Fair; sign-off with prayer, a soulful rendition of America The Beautiful, "1520 WTHE Mineola, New York", then off leaving WWKB in clear. (BC-NH)
- 1550 **WYTK PA** Pittston - 3/8 0625 - Ad for the Medicine Shop. ABC Radio Sports. ID as //WICK. Bee Gees song "Massachusetts" (RJ-NC)
- WMDH IN** New Castle - 4/18 2128 - Fair; in/out with calls, NOS (Vinton, Springfield) music. New. (MB-IN)
- 1580 **WLJM NY** Patchogue - 04/23 2005 - Fair; ABC news, WLJM Weather Center forecast, and "When Radio Was". (BC-NH)
- WWSJ MI** St. Johns - 4/04 0608 - Weak; "Latest and the greatest in gospel music for the next four hours on your number one gospel station WWSJ". (SC-IN)
- 1650 **KHFS AR** Fort Smith - 4/18 2105 - Good/fair with mentions of Fort Smith, talk show. Used KWHN calls. New. (MB-IN)
- TIS, HAR AND MISCELLANEOUS
- 530 **WPRT265 PA** Wilkes Barre - 4/16 0815 - Announcing these calls and specific location, replacing WPBG740 heard here in January without any location mentioned. (RJE*PA2)
- 1550 **HAR NC** Jacksonville - 4/15 1110 - NC DOT HAR sign noted on I-17S. Noted male announcer. "North Carolina Department of Transportation Advisory" with information on possible traffic delays on Hwy 24 near Swansboro due to bridge construction. Alternate route on I-17N to Maysville and then NC 58 to Atlantic Beach and Emerald Isle. No call sign announced. Loop is approximately 27 seconds. (MH*NC)
- 1610 **WPQF834 PA** Worcester Township - 4/9 1630 - New HAR testing in anticipation of construction on the PA Turnpike Northeast Extension. Continuous tape loop with a Southern male "This is the Highway Information System test 1-2-3-4, 4-3-2-1 end test", and has been continuous since 3/31, completely burying the formerly-dominant TIS at Valley Forge National Park. Call is the only one listed in FCC for a portable transmitter for PA DOT on 1610. Sighted transmitter trailer 4/16 close to milepost 24 on Southbound lanes. (RJE*PA)
- WPQF834 PA** Kulpville - 4/9 1640 - New HAR testing in anticipation of construction on the PA Turnpike Northeast Extension. Continuous tape loop with a different Southern male "This is a test of a Highway Advisory Radio, testing 1-2-3-4-5, 5-4-3-2-1, this will conclude the test", broadcast mostly over NOAA weather. Call is the only one listed in FCC for a portable transmitter for PA DOT on 1610. Sighted transmitter trailer 4/16 close to milepost 32 on Southbound lanes. (RJE*PA)
- WPQF834 PA** Near Trumbauersville - 4/16 0645 - New HAR testing in anticipation of construction on the PA Turnpike Northeast Extension. Continuous tape loop with a same Southern male as Kulpville transmitter and same announcement, but without underlying NOAA weather. Call is the only one listed in FCC for a portable transmitter for PA DOT on 1610. Sighted transmitter trailer 4/16 close to milepost 41 on Northbound lanes. (RJE*PA1)
- WPRT265 PA** Dupont - 4/16 0810 - Announcing these calls, replacing WPBG740 heard here in January. (RJE*PA2)
- 1700 **UNID FL** Palm Harbor - 4/23 1521 - Billboard on Route 19 South in Palm Harbor

am 1500 KSTP

WECK
am 1230

shows picture of Cadillac grill and a hand "tuning" the Cadillac badge. Caption is "Tune to Cadillac Radio AM 1700 right now". They've timed the traffic lights on Route 19 very well, because as I drove and listened, the commentary described the Cadillac Escalade, and just as the announcer described the truck, into view came another billboard with a photo of the Escalade. (MS-FL)

ADDRESS UPDATES

- 1340 **WXKX WV** Clarksburg - 04/12 - Address is P.O. Box 2208, Clarksburg, WV 26302-2208, the same as 1400 WOBG. Telephone 304-624-5525.

REPORTERS

- MB-NJ Mike Battagliano Chatham - Drake R8B, Quantum QX loop and phaser; attic dipole.
- PLB-MI Philip Boersma Spring Lake - GE SuperRadio III.
- MB-IN Mark Burns Terre Haute - Drake R8, Kiwa loop; 80' random wire.
- SC-IN Steve Chappell McCordsville - Bearcat DX 1000; 3 terminated loops.
- BC*MA Bruce Conti, Lawrence - Car radio, driving on I-495.
- BC-NH Bruce Conti, Nashua - Drake R8B, MWDX-5, 100-ft wire, 100-ft east sloping wire.
- GHD-WV G. Harley DeLeurere Hendricks - Address updates.
- RJE-PA Russ Edmunds Blue Bell - Car radio and whip.
- RJE*PA1 Russ Edmunds I-476 near Trumbauersville - Car radio and whip.
- RJE*PA2 Russ Edmunds Rte. 1155, Bear Creek - Car radio and whip.
- SF-TN Steve Francis Alcoa - Radio Shack TRF; Select-A-Tenna.
- MH*NC Mike Hardester Jacksonville - Toyota Camry radio with fender antenna.
- DJ-PA David Jansky Sunbury - GE SuperRadio III; Radio Shack loop.
- RJ-NC Russ Johnson Lexington - GE SRIII, Realistic TRF, Panasonic RF-2200; Select-A-Tenna.
- RJ-NC2 Russ Johnson Lexington - Sangean DT200V, Sony 7600G, Sangean 803A, Realistic 12-655, MFJ-1026 (mod), Quantum QX Loop; Q-Stick Plus.
- RWK-CT Rick Kenneally Wilton - SONY ICF-2010, Quantum QX Loop; SM-2.
- AR*NY Andy Rugg Between Whitehall and Tupper Lake. 1996 Buick car radio.
- AR*ON Andy Rugg On Highway 401 near Brockville, Ontario - car radio.
- AR*VT Andy Rugg Throughout the state - 1996 Buick car radio.
- DT-CT Dave Twiggs Bristol - Yaesu FRG-7; Terk Loop.
- MS-FL Michael Shaw Palm Harbor - Hyundai Elantra AM/FM/CD receiver with CCrane whip.

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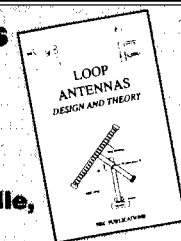
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International Jim Renfrew renfrew@localnet.com

DX Digest 6988 Bank Street Rd. Byron NY 14422-9702

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

A nice QSL arrived this week from Polskie Radio for my reception of 225 kHz on DEC 18: "Thank you very much for your reception report and please accept a QSL card in verification. We referred to your interesting reception report and accompanying remarks in our Multimedia Show on January 16. Hope you were tuned in then." The signer is Rafal Kiepuszewski, Editor, English Service. Nope, I wasn't tuned in, as I was notified over three months late!

Many, many apologies to Ben Dangerfield, who went to extraordinary lengths to get his most recent report to me. Unfortunately, I put it on a disk - and here at the deadline I can't seem to locate it. Ben can you re-send it?

Okay, how about some more stumpers to while away the time before IDXD comes to you next month. What is unusual each following word(s)?

- (1) SCREECHED
- (2) LABCOAT, DEFT, SIGHING, HIJACK, CALMNESS, HYMNODY, UNOPENED, FIRST, STUPID
- (3) CHECKBOOK, HOOD, BOX, COKE, HOOCHIE-KOOCHIE
- (4) THEREIN
- (5) STEWARDESSES
- (6) UNCOPYRIGHTABLE
- (7) FACETIOUS, ABSTEMIOUS, ARSENIUS

Jim 

TRANS-ATLANTIC DX

- 153 ALGERIA Bechar, APR 28 0102 - International news, male and female AA newscasters, good signal. MAY 3 0255 - Arabic music-male tenor voice with lone flute, Germany under/over-both good signals. [Stromsted-MA]
- 153 GERMANY DLF Donebach, MAY 3 0200 - News GG male announcer over/under Algeria, good signal // 177 & 207, poor/fair. [Stromsted-MA]
- 162 FRANCE RFI Alouis, APR 28 0050 - "The man I love" female EE vocal. 0101 news and sports scores, FF male announcer, big signal. [Stromsted-MA]
- 171 MOROCCO R Medi-1 Nadar, APR 28 0045 - Female AA vocal, modern AA rock with mixed chorus, good signal. 0315-0340 rap music, slow beat but fast lyrics "...turn off the night..will break his neck, young black kids." then into "will always love ...wished you loved me." Aretha Franklin? Female FF announcer, then more rap music. Loud signal. [Stromsted-MA]
- 177 GERMANY D. Radio-Berlin, Oranienburg, MAY 3 0206 - Into old American jazz pieces, GG male host "I'll see you another day". Jazz piece male EE vocal. "Has anyone seen Pauline. the tuba queen?..." Guitar picking and piano. 0245 more jazz pieces "Black girls goin' on barefoot..Get on board, get on ...all on board ... Black girl ...wears the old red flannel ... get on board" old RR song. Loud signal. [Stromsted-MA]
- 183 GERMANY Europe-1, MAY 3 0245 - French chanson, deep male voiced lyrics, "La Vie..." segue into French news, male and female announcers. Big signal, S9+35. [Stromsted-MA]
- 189 ICELAND Rikisutvarpid, Gufuskalar, APR 28 2107 - Fast talking Icelandic male music host into American Blues/folk session: "There's goin' to be a big battle" with baritone singer, drum and guitar backing, followed by "There's a fever on the freeway in the morning, there's a lover on the highway" female vocal. Strong signal, no static. MAY 3 0128 - Piano music into fast news break (male newscaster with station chimes at 0130. Followed quickly by more folk music-loud signal // 207 poor. [Stromsted-MA]
- 198 ENGLAND BBC synchros, MAY 3 0215 - BBC News in progress..Elaine Lester reports on IRA issues, then male newscaster says "investigation finds that bottled water is no better than from the tap". Clear, no echoes, loud. [Stromsted-MA]
- 207 GERMANY DLF Aholming, MAY 3 0200 - GG News // 153 poor, mixed with Iceland and buried with beacons (nulled). [Stromsted-MA]
- 216 FRANCE/MONACO R Monte Carlo, Roumoules, APR 28 0347 - Male/female call-in hosts. "Lux" effect" under seemed to be Female FF voice while similar voice appeared on 162 but unable to confirm when music appeared on 162 (Voice did stop). MAY 3 0233 Female and male discussion in studio. CO aero beacon way under. Loud signal, no Lux effect. [Stromsted-MA]

- 225 POLAND Polskie Radio Konstantynow, MAY 3 0129 - Female vocal Slavic slow dance music, then male counterpoint vocal (back and forth), poor signal, best in USB with SZO and YM aero beacons muted. 0233 call-in, lively discussion (two Polish males) good signal. [Stromsted-MA]
- 234 LUXEMBOURG R Luxembourg Junglinster, MAY 3 0224 - French rendition of American song, later, grinding rock piece with guitar, bass, loud signal, S9+25. Station audio seems slightly overmodulated. [Stromsted-MA]
- 252 IRELAND New Atlantic 252 Clarkestown, APR 28 0109 - Usual heavy rock beat but weak signal. MAY 3 0116 - "weird" modern hard rock, varying tempo, female and male lyrics, synthesized rap music- "We love, we love, we do" into quick break. Male EE "The new Atlantic 252.. for Tanya in London" into "I love the way.." Big signal, S9+35. [Stromsted-MA]
- 270 CZECH REPUBLIC Cesky Rozhlas Uherske-Hradiste, DEC 22 0336 - Slow rock, beautiful female EE vocal: Fair signal-followed by male Czech announcer, then female call-in, later male call-in. TOF aero beacon interference. [Stromsted-MA]
- 531 SPAIN RNE R.5 synchros, APR 16 0422 - // 1107 with man & woman in Spanish; fair. [Connelly*B-MA]
- 549 ALGERIA Chaîne 1, Les Trembles, APR 11 2335 - bits of string music; het against WICE/WDEV. [Connelly*rw-MA]
- 558 SPAIN RNE R.5 synchros, APR 16 0421 - Spanish talk by woman // 576. [Connelly*B-MA]
- 567 SPAIN RNE5 synchros, APR 16 0424 - // 1107 with man & woman in Spanish; to fair peak, dominant. [Connelly*B-MA]
- 576 CANARY ISLANDS // SPAIN RNE R.5 synchros, APR 16 0420 - woman in Spanish in an echoey room, // 558 & 1107. [Connelly*B-MA]
- 621 CANARY ISLANDS // SPAIN RNE R.1 synchros, Santa Cruz de Tenerife et al., APR 11 2322 - Spanish talk, het against WZON groundwave; poor. [Connelly*rw-MA]
- 603 SPAIN RNE synchros APR 26 0110 - Poor; talk in Spanish parallel 621. [Conti-MA] APR 26 0115 - Excellent; man in Spanish and pop music, the best transatlantic signal by far during an otherwise disappointing evening at the Rowley salt marsh. [Conti-MA]
- 711.05 WESTERN SAHARA RTM, Laayoune, APR 12 0022 - Arabic music; fair. [Connelly*rw-MA]
- 783 MAURITANIA R.Mauritanie, Nouakchott APR 26 0025 - Poor; Koranic recitations parallel a strong 4845 SW signal. [Conti-MA]
- 783 MAURITANIA ORTM, Nouakchott, APR 11 2325 - // 4845 with man in Arabic, then a picked or plucked string instrument. Strongest TA during the heavily auroral conditions at the time. + APR 12 0026 - LOUD with Arabic talk. [Connelly*rw-MA]
- 792 SPAIN SER Sevilla APR 26 0150 - Good; telephone talk in Spanish parallel 1575. [Conti-MA]
- 945 FRANCE France Bleu, Toulouse, APR 16 0416 - French discussion; to good peak. [Connelly*B-MA]
- 981 UNID, APR 18 0229 - Male vocal with piano accompaniment, unknown language. Flutter-1 kHz tone het then faded. [Stromsted-MA]
- 1044 SPAIN SER synchros, APR 16 0413 - SER teletalk; good. [Connelly*B-MA]
- 1053 SPAIN COPE synchros, APR 16 0412 - // 1215 with woman in Spanish; good. [Connelly*B-MA]
- 1071 SPAIN Euskadi Irratia, Bilbao, APR 16 0411 - // 1197 with female folk vocal (style similar to that of Loreena McKennitt or Natalie McMaster); to good peak. APR 16 0429 - woman in Spanish, then Moorish / N. African style music; huge signal despite strong adjacent CBA. [Connelly*B-MA]
- 1080 SPAIN SER synchros, APR 16 0345 - // 1575 with man & woman in Spanish; slightly under WTIC. [Connelly*B-MA]
- 1098 SPAIN RNE R.5 synchros, APR 16 0410 - // 1107 with Spanish news, phone interview; to good peak. [Connelly*B-MA]
- 1107 SPAIN RNE R.5 synchros, APR 16 0409 - Spanish news with synchro-echo; loud ! [Connelly*B-MA] APR 16 0435 - Male SS, fair/poor signal. [Stromsted-MA]
- 1116 SPAIN SER synchros, APR 16 0430 - // 1044 & 1575 with Spanish news; over presumed Italy. [Connelly*B-MA]
- 1125 SPAIN RNE R.5 synchros, APR 16 0407 - man in Spanish; over rumble. [Connelly*B-MA]
- 1134 SPAIN COPE synchros, APR 16 0406 - Spanish shouting; dominant. [Connelly*B-MA]
- 1179 CANARY ISLANDS // SPAIN SER synchros, APR 11 2250 - bits of Spanish talk; fading up. [Connelly*rw-MA]
- 1197 SPAIN Euskadi Irratia, Vitoria, APR 16 0411 - // 1071 with Celtic-influenced female folk vocal; poor to fair. [Connelly*B-MA]
- 1206 FRANCE France Bleu, Bordeaux, APR 16 0402 - French news; good. [Connelly*B-MA] APR

- 16 0440 - FF Female announcer into FF contemporary song. Female vocal, the only R. Bleu outlet heard, poor to fair signal peak. [Stromsted-MA]
- 1215 SPAIN COPE synchros, APR 16 0404 - // 1224 with echoey news read by woman in Spanish. [Connelly*B-MA]
- 1224 SPAIN COPE synchros, APR 16 0403 - woman in Spanish; over others. [Connelly*B-MA]
- 1242 FRANCE R. Bleu, Marseille, APR 16 0402 - French news // 1206; to good peak. [Connelly*B-MA]
- 1296 SPAIN COPE, Valencia, APR 16 0401 - dramatic music, then woman in Spanish; excellent. [Connelly*B-MA]
- 1314 NORWAY NRK, Kvitsoy, APR 16 0400 - Norwegian talk; mixed with Spain. [Connelly*B-MA] MAY 3 0300 - Male NN newscaster for headlines, then into popular music, poor reception, then peaked to good at 0310 with female announcer into American song. First time heard in a month. [Stromsted-MA]
- 1314 SPAIN RNE R. 5 synchros, APR 16 0400 - Spanish news; mixed with Norway. [Connelly*B-MA]
- 1332 ITALY RAI R. Uno, Roma, APR 16 0358 - // 1575 with odd ticking sound like a glass being tapped, then ID "RAI, Radiotelevisione Italiana" into march music; very good. [Connelly*B-MA]
- 1359 SPAIN Arganda, APR 23 0427 - man in Spanish; excellent, one of the loudest TA's at the time. [Connelly*B-MA] APR 16 0445 - Discussion between two SS men and woman, later two men in discussion. Noticed 1 kHz het and identified Spanish language, signal best on MW but station noted with irregular schedules but at 600KW in WRTH. Signal poor to fair. [Stromsted-MA]
- 1377 FRANCE France Bleu, Lille, APR 16 0357 - bouncy French pop vocal // 1404; fair. [Connelly*B-MA] MAY 3 0305 - Man in FF with news, poor with interference from St Pierre. [Stromsted-MA]
- 1404 FRANCE France Bleu synchros, APR 16 0356 - poor to fair with French vocal. [Connelly*B-MA]
- 1422 GERMANY DeutschlandRadio, Heusweiler, APR 16 0356 - man in German; fair. [Connelly*B-MA]
- 1449 ITALY RAI Radio 2 synchros, APR 16 0358 - Italian talk seemed to be // 1332 & 1575; poor through slop from semi-local WNBP. [Connelly*B-MA]
- 1467 FRANCE TWR, Roumoules, APR 16 0354 - LOCAL-LIKE with very uptempo contemporary Christian music in German, then preaching. APR 17 0344 - TWR musical box interval signal, then German talk, hymn; huge! [Connelly*B-MA]
- 1485 SPAIN SER synchros, APR 16 0441 - // 1575 with echoey Spanish talk by man & woman; poor to fair. [Connelly*B-MA]
- 1521 SPAIN SER, Castellon, APR 23 0440 - // 1575 with woman in Spanish; fair. [Connelly*B-MA]
- 1530 VATICAN CITY R. Vaticana, APR 16 0352 - Slavic talk and classical music; atop WSAI. [Connelly*B-MA]
- 1539 SPAIN SER synchros, APR 16 0351 - // 1575 with SER news by man & woman in Spanish; to good peak with receiver on lower sideband to dodge WPTR slop. [Connelly*B-MA]
- 1548 unID APR 12 0002 - fragmentary audio and weak het against an equally weak jumble of Latin Americans on 1550. With the conditions as auroral as they were (= no Europe audible, only Africa), I strongly suspect St. Helena rather than usual Kuwait or UK. Signal looped southeast. A Beverage or narrow-pattern phased array would have bagged this one. [Connelly*rw-MA]
- 1548 KUWAIT R Kuwait (VOA), APR 15 0033 - international news in slow English, 1550 adjacent channel splatter. [Stromsted-MA]
- 1557 FRANCE R. Bleu, Nice, APR 16 0349 - man in French; good. [Connelly*B-MA]
- 1575 ITALY RAI R. Uno synchros, APR 16 0358 - // 1332 with clock ticks that sounded like a glass being tapped, then ID "RAI, Radiotelevisione Italiana", followed by march music. Huge signal, way over Spain at the time. [Connelly*B-MA] Yes, it's a glass being tapped: it's an ad for the Rocchetta mineral water. [Fabrizio Magrone-ITALY e-mail]
- 1575 SPAIN SER synchros, APR 16 0346 - Spanish talk, interval of classical guitar; excellent. [Connelly*B-MA] APR 16 0450 - Male/female call-in talk show, poor/fair signal. [Stromsted-MA] APR 26 0055 - Fair; woman hosting telephone talk in Spanish. [Conti-MA]
- 1583.65 CEUTA RadiOle, Ceuta APR 26 0045 - Good; Spanish pop music, het against SER 1584. [Conti-MA] Presumed, off frequency het under 1584. [Stromsted-MA]
- 1584 SPAIN SER synchros, APR 16 0348 - SER news- talk; fair over Ceuta-1583.64 het. [Connelly*B-

- MA] APR 16 0450 (as 1575). [Stromsted-MA]
- 1602 SPAIN SER synchros, APR 17 0339 - // 1575 with fast Spanish talk; mixed with presumed EI Vitoria. [Connelly*B-MA]
- Mark speaks:* " On Wed., 11 APR, I drove out to the Rowley, MA salt-marsh for an after-work sunset period DX session. Conditions seemed rather auroral with domestic skip suppressed. Trans-Atlantics were limited to the northwestern Africans. Canary Islands on 1179 was the first one to show up (at 2250 UTC). Other TA's included Canaries - 621, Western Sahara - 711.05, Algeria - 549, and - the strongest of the lot - Mauritania on 783 (the only TAI'd call "loud" at this time). A tantalizing TA was a het heard on 1548 seemingly from the southeast. With conditions likely too auroral to let UK or Kuwait come in, I thought of St. Helena. The antennas on top of the car just didn't have enough signal-to-noise ratio to pull up audio on this bird. Without a doubt, a good Beverage would have handled this easily. Pan-American zone skip seemed of the short variety with good signals from Bermuda on 1160 & 1280, but not much from the Caribbean proper or from South America. At 2340 UTC, Brazil-760 was heard with WCHP-NY phased just after WVNE went off. I was figuring that many South Americans would be booming in, as is often the case during these conditions, once it got completely dark, but the Venezuelans etc. failed to materialize. As I was leaving I heard Bahamas-1540 killing WPTR (0113 UTC: 12 APR). I sat on 1660 for a bit, hoping that the weak ripply Spanish speaker was the new Puerto Rican, but it just turned out to be WWRU-NJ with a "Radio Unica" ID. No new DX heard, but it was an interesting session. I just wished I had a better antenna for snagging an ID on that 1548 mystery."
- Erik speaks:* LW TA signals are starting to pop in over the noise floor again-with the best results last night (May 3) with a significant opening as far east as Czechoslovakia, but nothing of R Rossi heard on 161 or other exotic signals. Most aero beacon signals were at low levels (skip) so reception quite good with negligible static. The MW TA signals remain much weaker only feeble openings at this location in recent weeks. R Norway has just resurfaced on 1314 at weak/poor peaks."
- PAN-AMERICAN DX**
- 526 BAHAMAS ZLS, MAR 31 0440 - CW beacon repeating "ZLS" incessantly. About as entertaining as Clear Channel programming (couldn't resist; with apologies to the NRC reflector). [Hochfelder-NJ]
- 550 MEXICO I went with a friend to do some remote DX'ng in the Tonto Forest. What we heard was bizarre to say the least. In a VERY tight null of KFYI 550 we heard a Mexican station with German religious programming. I have NO idea who it was because we listened for two solid hours and got NO ID. Any idea of who is on 550 from Mexico with German religious programming? I can understand why there would be this programming with all the Germans that settled in northern Mexico and that where banda music came from, I just have never heard anything like it before. Any ideas would be very helpful. [Redding-AZ]
- 560 MEXICO XEGK, Monclova COAH, APR 5 1045-1100 - heard with multiple IDs as "Hay Kaa" and XEGK, including singing IDs, during morning romantica program. Over/under KLVI, Beaumont, TX. Good at times. [Bryant-OK] APR 12 0512 - Beisbol game, with occasional "G-I-K" or "La Serena" slogan by announcer; beer ads every _inning. Heard later with ranchera tunes, same slogans, time (CST) and temp. checks. Still there at 0800, with local KLZ off the air. Apparently ex-920 and ex-XEOP. New here, XE #174. [Wilkins-CO]
- 560 MEXICO XESRD Santiago Papasquiario, DUR APR 12 0650 - Ranchera & other music, male announcer, CST time checks. Same canned ID at 0700 and 0800: "...en 2 frecuencias... XHDNG 96.5 FM...la radio mas fuerte...y XESRD 560 AM, La Que Suave, Heroico Colegio Militar y Francisco Madero..., Santiago Papasquiario, Durango...las 24 horas con la mejor programacion para todo el estado...". Fair at best, mixing with 2 other XE's in auroral conditions and with local KLZ off. New catch, only 2nd from Durango. [Wilkins-CO]
- 560 MEXICO XEXZ(t) Zacatecas, ZAC APR 12 0520 - Latino pop music, male announcer, "La Zeta" slogans. XE anthem at 0558, then possible ID at 0601 but couldn't pull much out, with QRM from XEGIK and XESRD. Not noted after 0603, so may have been sign-off. XEXZ is listed with this slogan. [Wilkins-CO]
- 580 DOMINICAN REPUBLIC HIAF Monte Cristi, APR 6 0800 - Fair in aurora with "Esta es HIAF, Radio Monte Cristi ... en la Republica Dominicana. Radio Monte Cristi!". Ninth country heard on this remarkable regional frequency. [Francis-TN]
- 590 CUBA (tent.) CMHI, Santa Clara listed here. APR 2 1100-1200 - Heard multiple classical, modern classical and opera selections hosted by male announcer. Had a very "public radio" feel to the production. Sometimes excellent signal, sometimes mixing with KBHS, Hot Springs, AR. [Bryant-OK]
- 650 MEXICO XETNT, Los Mochis SIN, APR 4 1101 Full IDs by male during a great AN program of mixed music. No sign of WSM on "KAZ" antenna. [Bryant-OK]

650p COLOMBIA HJKH Bogotá, MAR 31 0509 - WSM very weak and unusually nullable. Spanish, presumed Colombia from my logging last week in similar auroral conditions. [Hochfelder-NJ]

650 UNID APR 11 0250-0300 - Spanish Talk show, only partially readable, with no sign of WSM at 0250 and I tried to carry it to the top of the hour but I couldn't pull anything out. It may have been interviews with correspondents as the man on the phone stayed for about three minutes, then a woman caller (or callee) came on at 0254 and continued through the top of the hour. Could find no clues for ID or location on the tape. [Callarman-TX]

660 MEXICO XEDTL, La Candela, Mexico DF, APR 11 0248 noted in passing with "La Candela" slogan, solid copy. [Callarman-TX]

660 MEXICO XEEY, Aguascalientes AGUA, APR 14 0940 noted with multiple "La Consentida" slogans and mentions of Aguascaliente - fair level with nice program of romantica. [Bryant-OK] APR 2 1135 - Full ID as "XEEY, La Consentida" amidst great romantica music at good level. [Bryant-OK]

690 MEXICO XEMA La Onda Musical del Altiplano, Fresnilla ZAC, APR 11 0240-0245 - Several strong Spanish signals, turned the tape on but couldn't read the singing jingle at 0240:50 ... but then the station rose for a commercial string with spots for a number of retailers in Fresnillo and in Zacatecas. There was an auto dealer, a farmacia with prices for various pills, and several others, but what has to be XEMA faded back into the QRM by 0245. My ears did dig out the word "Altiplano," part of their listed slogan ("La Onda Musical del Altiplano") at 0245 but did not hear call letters. [Callarman-TX]

690 MEXICO XEN, Ondas del Lago, Mexico DF, APR 11 0301:30 - Clear XEN call letters heard atop channel during talk programming. Wanted to tape an XEMA ID; no such luck. [Callarman-TX]

710 CUBA, Synchros(?) APR 2 1100 World news and sports in Radio Rebelde format running at S-9+ when normally strong 5025 was barely audible. Fantastic auroral conditions. Same situation noted on 670 the previous morning. [Bryant-OK]

720 MEXICO XEDE, Saltillo COAH, APR 14 1000 heard with multiple formal IDs in the midst of a SS rap and pops program. Fair only. [Bryant-OK]

720p JAMAICA RJR Kingston, MAR 31 0502-0506 - WGN not present. Caribbean accented English and presumed on basis of logging last week. [Hochfelder-NJ]

740 MEXICO XECAQ (tent.), Cancun, QROO, APR 12 & 13 1200. With 50KW semi-local KRMG phased down by about 40 dB, I've been following an all-night Mexican station for several mornings. It always plays the NA at 1200, followed by a formal ID. The slogan is definitely "Radio Formula" and possibly "Radio Formula Tropical." The call is clearly a five letter call starting out "XEC—" The music is not nortena and sounds somewhat like "romantica." Is this what "tropical" sounds like? No sign of KTRH Houston, the usual sub-dominant. I'd expect that XECAQ, listed at 50 KW., is likely directional away from Houston. Ideas anyone? [Bryant-OK]

750p VENEZUELA R. Caracas Radio, MAR 31 0512 - Strong Spanish under a subdued WSB. Presumed from logging in December (on a SuperadiolII). [Hochfelder-NJ]

750 MEXICO XETI, Tempoal VER, MAR 31 0130 - Heard at S-9 in auroral conditions with lots of great romantica music and IDs as "Radio Fiesta, Radio Grupo del Golfo, XETI." [Bryant-OK] APR 11 0233 - After wordy ID's taped from XEGX and XEIH, it was interesting to hear, simply: "Radio Fiesta," XETI, Tempoal, Veracruz." Unfortunately, this is the only thing I can hear when I null WSB. [Callarman-TX]

760 BRAZIL R. Record, ZYH588, Fortaleza, APR 11 2340 - slightly reverberated Portuguese conversation between man & woman; poor with WCHP phased, after WVNE sign-off. [Connelly*rw-MA]

760 CUBA R.Rejoi, Las Mercedes APR 26 0420 - RR code IDs under WJR. [Conti-NH]

770 MEXICO XEIH, La Unica, Fresnillo ZAC, APR 11 0231 - Dominant for solid taped ID, "La Unica" slogan. I'd struggled earlier this winter to get this one ID'd on a jumbled channel. Transcribed repetitious, electronically augmented production ID: "Ahora, IH es La Unica, La Unica, XEIH, IH, La Unica, en setecientos setenta amplitud modulada, La Unica estudios ... ? noventa ? cero, Villa Estrella(?) ...veinte cuatro punto seis ... Postal noventa cuatro-cero-treinta La Unica, corazon del panento(?). IH es la Unica." I got the point. [Callarman-TX]

780 UNID, MAR 31 0455-0500 - Actually better on 780.2 with sync. det. because of splash from WABC. Strong Spanish signal, fair audio. On basis of NRC Logbook, this is apparently not a domestic US station. Checked to see if paralleled Venezuela's Ecos del Torbes SW outlet on 4980, but nothing there. WWV on 5000 was weak as well. Also heard Mar. 24. R. Coro, Venezuela has been suggested by a few folks. Suggestions? [Hochfelder-NJ] (Well, one

or the other! - Jim)

780 VENEZUELA R. Coro, Coro, APR 3 0330-0340 - Finally, a positive ID. Better on 780.4 because of splash from WABC on 770. Dominant: WBBM Chicago not present on channel. ID'd at 0332 as "Radio Coro" then into song beginning with trumpet solo. [Hochfelder-NJ] A P R 13 0305 - R. Coro ID, salsa music. [Connelly*B-MA]

790 MEXICO XERC, El Fonografo, Mexico DF, APR 11 0226-0228 and 0328-0331 - 100-percent solid copy atop here at 0226 and taped, I thought, a full call letter, slogan and location ID from XERC, El Fonografo, Mexico, D.F. at 0228. I'd taped this one through the top of the hour this winter, but no CL ID, and I still don't have it because of operator error, mine. I came back to 790 at 0328, found XERC still solid copy, but again failed to turn up the record volume for full ID at 0331. [Callarman-TX]

800 MEXICO XEGX, Radio Fima, Fiesta Mejicana, San Luis de la Paz GTO, APR 11 0421-0500 - Dominant station in XEROK null was a mystery first night, with romantic vocals with accordian predominant in the accompanying bands, but not lively nortena or ranchera music. Between songs, there would be a quick slogan in various formats, sometimes singing, sometimes production verbal, for "Fiesta Mejicana." At 0429:50, there was a complete ID but, as is my usual luck, it had faded to a muddy level with another Spanish speaker on the channel. There was a seven-minute commercial and promo cluster, with several mentions of "Fiesta Mejicana, la estación de los niños," and even had little-kid voices on some of the announcements and commercial jingles. Had a shorter talk segment at 0445 and again at 0455, when faded to other station and XEROK null began to close. My notes at 0458 say "seemed to have march by tinhorn band, but is way down." It was not the national anthem. But that was the last I heard of "Fiesta Mejicana" that night. But on APR 12 0158-0206 had almost solid copy, alone in deep XEROK null for eight minutes straight and it turned out to be the station I'd tentatively ID'd as earlier this winter as XEGX, San Luis de la Paz, Gto., based upon promos for concerts in Guanajuato and Commercials for retailers in Celaya. At TOH, it said "Esta es Radio Fima, Fiesta Mejicana Internacional," then had woman with news, with a little whirring sound between each news item. At 0201:30, had production promo "En Canal Continental de Noticias, cada hora por esta emisora." Continued with news to close at 0203, when gave full identification, with a lot of electronic overlapping by two voices: "Es la Radio Fima, Fima Fi Fi Fima ... (pause) Fima, Fiesta Mejicana, la Super Fiesta Ochocientos AM, XEGX, ... (sounded like 'miranda dos ojos mil watts ... Guanajuato, con oficinas en ... doscientos cincuenta cuatro, San Luis de La Paz, Guanajuato. Fiesta Mejicana. Fiesta Mexicana, La Super Fiesta, una emisora de Mexico." I guess the "Fima" is an alliteration of "Fiesta Mejicana." Followed with a turista Mexicana promo, a government announcement with two different voice cuts, a spot for a musical concert, "completamente gracias," ("gratis", or free -pls) (I can afford it) ... mentioned another slogan, "Ochocientos AM," had informal local announcer with a couple of names, possibly dedications, "ocho de la noche con seis minutos" so still on CST (and correct, too) and began music again. [Callarman-TX]

800 MEXICO XEQT, La Poderosa Veracruz VER (probable), APR 11 0500-0555 - after XEGX left the air, there was another station in XEROK's null. It played light tropical musical vocals and had longer announcements between each selection. I was able to pull out "La Poderosa" slogan on a couple of occasions. At 0505:30, there was mention of "ciudad el puerto de Veracruz" and at 0655, stentorian announcer gave short production announcement including clear mention of "Veracruz." No call letters heard, and music did not match nortena/ranchera format shown in IRCA Mexican log. [Callarman-TX]

810 MEXICO XEUX, La Tremenda, Tuxpan NAY (tentative), APR 13 0551-0600 - I found strong, dominant signal from a Spanish-speaker playing old-style romantic Latin music mixed with folk-type tunes along the lines of my favorite, "Malaguena Salerosa." One's title appeared to be "No Me Quieres Matar Corazón" ("I don't want to kill the heart?") ("You don't want to kill MY heart" -pls.) My naked ears could not register slogans given at 0554 and 0557, so I decided to stick with it to top of the hour for ID, only to be thwarted by WHB's appearance out of nowhere and WBAP-820 slop as the SS-station faded. Tape disclosed slogan sung by a female vocal group, "La Tremenda ... AM," followed by short announcement by man that sounded something like "en yo en comomson ... Do X ... Do X mas potencia." I note John Wilkins identified "La Tremenda" here as XEUX, Tuxpan, but I could not pull out a location or a complete call. [Callarman-TX]

810 MEXICO XEFW, Tampico, TAMA, MAR 31 0150 - Heard with SS rock and pops, hosted by male. Many ments. of Tampico with excellent signal in aurora. No sign of KCMO. [Bryant-OK]

810 UNID, MAR 31 0506 - Possibly 2 Spanish stations here. Bad copy on one, other occasion-

- ally topped a subdued WGY, but poor audio. Male announcer. Flute music. [Hochfelder-NJ]
- 830 MEXICO XEIK, Piedras Negras COAH, APR 1 1100 - "Radio Norteña, Radio Zocalo" is my southwesterly dominant in WCCO null. Heard with excellent signals during aurora. [Bryant-OK]
- 830 MEXICO XEVQ, Novalato SIN, APR 1 1152 - Heard under XEIK with sign-on at unusual time with unusual rendition of National Anthem. Multiple full IDs followed by male and references to the station as "Vay Koo, La Super Estasion" and "Vay Koo, La Grande de..." [Bryant-OK]
- 850 MEXICO XETQ, Orizaba VER, APR 2, 1157 - Multiple IDs and "La Q" by female after nice program of romantica. Fair level. [Bryant-OK]
- 850 CUBA CMDB Baracoa, 0515 - Frequent "RR" in Morse code so R. Reloj outlet. [Hochfelder, NJ]
- 880 MEXICO XEPNK, Canal 88, La Super Estación, Los Mochis SIN, APR 11 0555-0603 - Strong signal, alone most of the time, from "La Super Estación." It was playing romantic music, love songs, etc., and a lo-lo-lo announcer (low key, loquacious and local) talked extensively between selections. He mentioned "La Super Estación" often, appeared to be talking of requests and dedications for the music, mentioned Los Mochis a couple of times, laughed a lot and may have had somebody in the studio with him, or talking on the telephone. Thunder static got really bad and I was unable to tape a TOH (or thereabouts) ID gave it up at 0703. APR 12 0157 I could have taped solid copy on "Canal 88, La Super Estación" on 880 at 0157, but chose to identify the station on 800. Have not yet heard call letter ID on this one. [Callarman-TX]
- 880 CUBA R.Progreso, Pinar del Rio APR 26 0408 - Fair; romantic vocal parallel 890, in WCBS null. [Conti-NH]
- 890 CUBA R.Progreso APR 29 0510+ - Only this and "R.Amor" WBPS heard with WLS off for maintenance. [Conti-NH]
- 900 MEXICO XEOK La Bonita Monterrey NL, APR 15 0340-0409 - There's been a big soccer tournament going on all week in Monterrey, and this station has been doing play-by-play. On Saturday night, XEW was carrying a long lecture, commentary, speech or some other kind of talk by a soft-voiced man, making it a little easier to pick out some words from the station under XEW. At 0340, there was a studio break for about 30 seconds and during it, the call letters XEOK were heard. The soccer match appeared to be in a league of Mexican teams, rather than the big international event of Wednesday night. Equipo Victoria seemed to be one of the teams. The game was over, there were a couple of commercials 0359-0403 when went back to the stadium, apparently, for interview with one of the participants in the match. Back to the studio for more commercials, many for retailers in Monterrey and one for "Loteria Nacional" and, with strong surge XEOK was actually atop XEW for a while. I haven't yet transcribed my tape of the commercials, but there's a verifiable log there! (If I were still collecting QSLs. [Callarman-TX])
- 900 MEXICO XEW, Mexico, DF/XEWB, Veracruz VER, APR 15 0340-0409 - During talk by slow-paced man, above, XEW's program was delayed by a second or two on the relay station on the channel. It is the first time I had noticed this situation. A surprise because I figured XEW was big enough to have conquered the synchronised frequency techniques used by the Europeans. Possibly a temporary situation. If I were into counting stations, I'd probably add XEWB to my count! (Assuming I had two different transmitter sites.) [Callarman-TX] APR 13 0258 - old-fashioned Spanish group vocal, then a woman mentioned program "La Hora de Mexico". [Connelly*B-MA] APR 15 0548 - with ID nueve cien XEW, Mexico. Cadena doublay oo [W]. Then Mexican easy listening music. [Redding-AZ]
- 900 UNID, MAR31 0530-0540 - Two Spanish stations, one with female announcer. One might be WEMG Philadelphia with very low night power (42 W per NRC logbook). On APR 2 at 0600, one of the stations signed off with what sounded like a national anthem. My leading favorite for this is XEW Mexico City because of its high power and my tentative logging in November. Suggestions? [Hochfelder-NJ] (the Laurel MD station is a possibility. XEW might play the national anthem at 0600, but probably did not sign-off. - Jim)
- 920 MEXICO XERCA, Torreón COAH, APR 14 1100 Many IDs with slogan of "La Joya" between each romantica number. One full legal ID at 1100. Hosted by male announcer. Excellent level. I wonder at the history of the ownership of this station. Coincidence? [Bryant-OK]
- 940 CUBA R.Reloj, Mayari Arriba APR 26 0425 - RR code IDs in CINW null. [Conti-NH]
- 960 MEXICO XEK Nuevo Laredo APR 1 0230 - spot for an "America Pawn Shop" on the Texas side of the border, then ID jingle "Cinco mil watts, X-E-K!" Unneeded here, but rare due to DA at night. Fair to good, pretty much alone on channel. [Stewart-MO]

- 960 MEXICO UnID. APR 4 0234-0409:30 off and on. - Station segues Spanish vocals equivalent of U.S. bubblegum music of the '50s and '60s 0234-0253 UTC APR 4, very strong and atop channel, with virtually no QRM. Song title at tune in on long song seemed to be "Los Querame Mucho," then segued a medley of vocals to the tunes of "Rhythm of the Rain," "Jamaica Farewell," "Devil Woman," "Corina Corina" which was title in both languages, "Para Mia, Para Mayo," seems title, no English equivalent known and "Melodia de Amor," ("Melody d'Amor" in English; 0245 song seemed to be "Oh, Oh, Oh, Y Se Vas", and at 0249 title appeared to be "Por Un Beso." Began commercial string at 0251:50, at which time began a deep, deep fade into the jumble, and commercial string, totally UNREADABLE, continued until 0257, when music came back up, "Beso Para Ti" in '50s bubblegum rock style. At 0259:55 song ended, well atop channel ... and segued another similar tune. Tuned periodically across channel and station was up while segueing songs and down while talking through 0409:30 give-up. Only talking I was able to copy was around 0315 with short commercial string, but even with others on channel ... did dig out "Nuestro Oro Regalo" commercial and phone number 2-26-99, then child vocal boogie-woogie style for commercial jingle ... Mr. Peakbagger suggests "undoubtedly XEK" and that is what I had suspected. Tried several nights later without success. [Callarman-TX]
- 960 CUBA R. Reloj, APR 13 0307 - Reloj program; under WFGI groundwave. [Connelly*B-MA]
- 980 MEXICO XETU, Tampico, APR.7, 1136 - Multiple IDs as "Radio Tampico" by male host in the midst of a superb romantica program. Fair level. [Bryant-OK]
- 990 MEXICO XEIE or XEYI, Radio Canon, where? APR 14 0228-0400 - Mystery here with Mexican pop music, not ranchero or nortena, and several different slogan IDs given between every other selection. Full slogan and call letter identifications noted at 0332 and 0358, male announcer with echo effect ... XEIE, Radio Can-on ... several telephone numbers, but I could not pull out a location. Says Diez Mil Watts. No commercial content noted. Antenna points more to south than southwest. Last ID at 0358 immediately preceded Mexican National Anthem and off, without special signoff announcement. Internet search still shows XEIE on 1030, XEYI on 1290, both province of San Luis Potosí, neither with Radio Canon slogan. [Callarman-TX]
- 1000p COLOMBIA RCN Cartagena, MAR 31 0608-0613 - Better on 999.8 because of WINS splash. Frequent mentions of Colombia and "Colombianos," but not sure which outlet. I'm guessing RCN Cartagena on the basis of WRTH 2000. [Hochfelder-NJ] (A good guess - Jim) APR 3 0340-0505 - Better on 999.8 because of WINS splash. Dominant and local-like at times; beating up on WMVP Chicago. Programming was music at first, then news and some sort of political speech. Frequent mentions of Bogotá during the news. There were also time tones, four short followed by a fifth longer tone, at the top of the hour. I didn't positively clear up which Colombian it is, but given the official-sounding programming, it's likely RCN Cartagena. [Hochfelder-NJ] (RCN is a private network, not governmental - Jim)
- 1000 COLOMBIA RCN Cartagena APR 28 0100 - Pips marking the top of the hour about one minute behind, jingle and IDs, under WCMX in CKBW null. [Conti-NH]
- 1010 MEXICO XEFM Veracruz APR 1 0240 - excellent, way atop channel with spot for some state-government office (mentioning "gobierno del estado de Veracruz"), and a chirpy female choral slogan-jingle "La Maquina Tropical!" [Stewart-MO] APR 5 1145-1200 - tentative, with multiple mentions of Veracruz during morning noticias program. National Anthem at 1200 as the bottom fell out. [Bryant-OK]
- 1100 ANTIGUA ZDK St. John's, MAR 31 0540-0604 - Light reggae type music with English accented female announcer. At 0604 ID'd as "Radio ZDK St. Johns" with jingle. Possibly Spanish underneath but not sure. WTAM Cleveland was gone, so I stuck on this channel for a while hoping to get this one, based on Rick Kenneally's recent logging. Checking back at 0658-0700 showed that Cleveland was back in with a strong signal and TOH ID. [Hochfelder, NJ]
- 1100 CUBA CMCH, Habana (listed) APR 3 0100. This briefly surfaced at fair level and the MD disk recorder operator malfunctioned. I managed to note down "Radio Cadena Ha..." "...popular..." and multiple mentions of "... Cuba...gusto..." [Bryant-OK]
- 1110 MEXICO XERED Radio Red, Mexico, DF, APR 11 0446 found dominant with KFAB unusually weak, stayed long enough to get a "Radio Red" slogan on tape after a commercial for www.Todos.com (www.punto-Todos-punto-com), a service of "Grupo Radio Centro." I had heard this commercial earlier on "El Fonografo" on 790. [Callarman-TX]
- 1110 VENEZUELA R. Carupano, YVQI, Carupano, APR 13 0311 - mention "en Carupano, en Venezuela", then pop female vocal; briefly over WBT. [Connelly*B-MA]
- 1130 MEXICO XETOL, Radio Lobo, Toluca MEX, APR 11 0347 Big talk program signal in deeper

- than-usual KWKH null, talking about the big Chile-Mexico "futbol" match going on Wednesday night in Monterrey at 0347 tune in. But male announcer, before beginning a list of sponsors, said "Grupo ACIR, Toluca, en el futbol." Ho hum ... wanted something new. Others are hearing other stations here. All I can get is XETOL. [Callarman-TX]
- 1160 BERMUDA VSB3, Hamilton, APR 11 2355 - // 5975 with discussion about classical music with Good Friday and Easter religious themes; fair. [Connelly*rw-MA]
- 1180 CUBA R. Rebelde, CMBT, Villa Maria, APR 13 0317 - woman mentioned Cubana & Rebelde, then talk about sports teams from Santa Clara & Camaguey; dominant over rumble. [Connelly*B-MA]
- 1220 MEXICO XEB Mexico City DF APR 14 0722 - With ID and romantic ballads. Slogan "La B Grande". [Redding-AZ]
- 1280 BERMUDA VSB2, Hamilton, APR 11 2357 - hymns with piano accompaniment; over WEIM/WFAU groundwaves. [Connelly*rw-MA]
- 1290 MEXICO Unid. APR 11 0503-0602 off and on, found a Spanish-speaker doing what sounded like all-news format, or at least talk of some kind with several voices, many items pertaining to Distrito Federal. Got neither slogan, call letters nor localized commercials during in-and-out monitoring. Another Spanish-speaker and someone with Rangers-Angels baseball in English were fighting this one. At 0602, I heard the Mexican National Anthem, so missed another sign-off, but the news station continued. XEDA? [Callarman-TX]
- 1330 MEXICO XEWQ, Monclova COAH, APR 13 0532, presumed one of two stations fighting in weaker-than-usual KFH's null, one with Spanish talk and stentorian "Es WQ beisbol" and another doing instrumental version of "Good Vibrations". [Callarman-TX]
- 1350 MEXICO XETB, Radio Laguna, Torreon, COAH, APR 13 0517 I'd bypassed 1350, thinking San Antonio or Albuquerque, until naked ear heard at 0517:30 what sounded like "XECV, La tradicion de la gran familia," but XECV doesn't exist here. Turned out to be Radio Laguna, XETB, Torreon, Coahuila, with call letter ID taped at 0528. [Callarman-TX] APR 1 0222 - fighting it out with another Spanish-language station, and mostly winning. Baseball game concluded with closing billboard "BEISBOL de la Liga Mexicana", list of sponsors including Coca-Cola, call letter mention spoken very clipped and rapidly. I had to play back the tape a couple of times to be sure of it—"EH-kees etteh-BEH". New log here. Other station in Spanish playing romantic ballads... never could get an ID on that one. [Stewart-MO] APR 14 0647 - With full ID and slogan Radio Laguna. Plays romantic and pop music. [new] [Redding-AZ]
- 1370 MEXICO XEHF Nogales SON, APR 14 0642 - With a Mexican talk program. [new] [Redding-AZ]
- 1375 ST. PIERRE ET MIQUELON RFO, APR 29 0330 - Easily heard, now that I am 30 miles west of WXXI-1370, program parallel to 5055 shortwave. I was suprised to hear this, however, as the local TV news said there might be visible aurora at this time. [Renfrew-NY]
- 1390 MEXICO XEXO La Super Bueno, Ciudad Mante TAMS, APR 11 0416 - Man talking in Spanish dominating the frequency, gave a telephone number in Ciudad Mante, Tamaulipas, and I erroneously assumed I had old friend XEOR-Reynosa, verified from the Panhandle in the '60s and taped from Illinois in the late '80s. It wasn't until 0459 when I tuned back across the channel to tape "La Super Bueno" slogan, looked closer at the IRCA Mexican list, and found XEXO, Ciudad Mante on this channel, that I realized I had a new one. Music began at 0459 and went through TOH, so I missed full ID. Has been regular several nights since. [Callarman-TX]
- 1410 MEXICO XECF La Mexicana, Los Mochis SIN, APR 15 2003:30 - Diez mil watts, the man says, in production ID for XECF, La Mexicana, Los Mochis. Then gave a promo for "La Música Imemorable" that included a few bars of several wild norteña tunes. Odd, full ID for XECF right after full ID for XEDF on 1500. Earlier on 1410 I'd been following a station with much more sedate, traditional Mexican tunes that I suspected was "La Sinfonola," Mexico, D.F., but was unable to get any ID XECF topped the channel as I tuned back. [Callarman TX]
- 1470 MEXICO XEHI Cd. Miguel Aleman TAMS (tentative), APR 11 0430-0458 - Bad buzz here, where I've been working on two Spanish speakers, one doing talk of some sort and the other playing traditional music that reminded my of some classic "Trio Los Panchos" stuff from the '50s and '60s, but with a female vocalist. Low-keyed announcer then, in Spanish, said it was "la gran dama" Eydie Gorme singing with "Trio Los Panchos." I should have recognized the songs from my album of the same. Unfortunately, the stations weaved in and out, both out when any local clues were given, so I don't know who. I'm guessing XEHI because it gave hora de Mexico and hora del ... valle de Tejas, indicating it was in the Rio Grande Valley. The only station I find on either side of the border that I would expect to be heard regularly in

- both Texas and Mexico is XEHI, in Ciudad Miguel Aleman, Tams., but obviously not enough to count it. I did dig out the name of the program, as mentioned by the low key announcer, "Mexico Canta." Came back to 1470 off and on through the night, but at 0458 I was too late, for the Mexican National Anthem had already begun. Heard again during same time frame APR 14, but again no ID. The Mexican talker remained, after 0500 APR 11 but I never could bring him up. Suspect Mexico City was one of the stations heard here, because of strength of other Mexico City stations. [Callarman-TX]
- 1470 MEXICO XEAI, Radio Formula Metropoli, Mexico DF, APR 15 0427 - Saturday night both stations were playing music, and I heard those three words during one segue, the only specific ID clue to either station being heard here. I think this station does talk program (not telephone) during weeknights in this time segment. [Callarman-TX]
- 1470 MEXICO XERCN Tijuana BCN, APR 14 0624 - playing tropical sounding music and using the slogan "La Caliente". [Redding-AZ]
- 1500 MEXICO XEDF Mexico DF, MAR 6 1045 - playing Mexican AC music and between every song, an announcement "Cadena Radio Uno". Was blowing in to Mesa like the 0345 freight express on the mainline. A real scorching signal equal to KSTP. Heard in the KSTP null. [new] [Redding-AZ] APR 15 0502 - After missing TOH IDs on 1430 and 1470, found full ID for XEDF for tape at 0502. [Callarman-TX]
- 1500 UNID, MAR 31 0623-0630 - Spanish with steel drum music. Strong with great audio. WRTH 2000 has a bunch of 1-10KW stations in South and Central America, so this is a mystery. WTOP Washington, DC gone. R. Dos Mil in Cumana, Venezuela has been suggested. [Hochfelder, NJ] (Dos Mil most likely - Jim)
- 1510 MEXICO XEQI Sultana, Monterrey, NL, APR 11 0336 was nearly as strong as XENU- 1550, with no sign of WLAC. Gave "Sultana" name and mentioned on air 24 hours a day now. [Callarman-TX]
- 1520 UNID MAR 31 0621 - Spanish under a much subdued WWKB Buffalo. [Hochfelder, NJ]
- 1530 MEXICO XEUR 15-30 Tu Musica, Mexico DF APR 11 0335 - Strong Spanish signal noted in passing, but since I already have a good tape on XEUR, I passed. [Callarman-TX] APR 14 0619 - tentative, under/over KFBK playing Mexican pop music and using "Tu Música". [Redding-AZ]
- 1540 BAHAMAS ZNS1 Nassau, MAR 31 0630-0649 - presumed, KXEL Waterloo and WPTR Albany both gone. Soft reggae music with steel drums. At 0649 it faded out and at 0655 replaced with WPTR Albany. [Hochfelder, NJ] APR 12 0113 - Caribbean English religious talk mentioning Bahamas and Grand Cayman; well over aurora-weakened WPTR. [Connelly*rw-MA]
- 1540 MEXICO XEHOS Hermosillo SON, APR 14 0602 - with ID and something about being part of Radio Grupo Uni. IDs as La Poderosa. [Redding-AZ]
- 1550 MEXICO XENU, La Rancherita, Nueva Leon TAMS, APR 11 0334 - Usually dominant; tonight impenetrable. Gives call letters often. [Callarman-TX]
- 1560 MEXICO XEJPV Ciudad Juarez CHIH, APR 14 0519 with choral religious music and SS preaching. [Redding-AZ]
- 1580 MEXICO XEDM Hermosillo SON, APR 14 0514 - playing Ranchera and Mexican pop music. ID as "La Grande" [new] [Redding-AZ]
- Randy speaks:* "I mentioned on the NRC listserv that it seemed unusual in such strongly auroral conditions last night that reception to the southeast (toward Cuba, Caribbean, northern coast of South America) was virtually nonexistent last night. All I got was static; but somebody noted there was a line of severe thunderstorms stalled out over central Florida. However, due south and southwest (into Mexico) was a different story. The three logs below were all either rare here or (in one case) a new log."
- Bryant speaks:* "What a wonderful auroral week. With my new "KAZ" squashed delta directional antennas, I was really able to take advantage of it for many first-time station loggings. I was looking at my notes from the 1988 and 1989 seasons yesterday and I noted a lot more Central American and Caribbean stations than I'm hearing now. Has the Mexican radio scene exploded, the CAM scene imploded or what?"
- Callarman speaks:* "I've been away from the dials most of the past few weeks, due to a need to type in about 150 pages of genealogical data, the continued projects involving our house (part of the new siding is up and the concrete has been poured for the garage), and a little scare when the doctor told me my stress test showed possible arterial blockage, though EKG and sonogram showed NO heart damage. Did a catheterization procedure, found blockage but not enough to require balloon or stent, but enough to make me more cautious about food and exercise. The doctor did not tell me not to stay up late during these unique sunstorm conditions, which brought me back to the dials. I'm now using an NRD-525, a surprise gift from Dave Gleason, but still only the Radio Shack loop until my radio room is

built in the garage. Six radios with tape recorders attached would not have been enough to extract all the cookies from the jar these first two weeks of APR, as auroral conditions have been deep enough to have a major effect here in North Texas. Wednesday night, APR 11-12 seemed to be the most effected. Some frequencies were "hissey" with little to be heard on them, enough stations from the north were blocked that groundwave from Dallas-Fort Worth stations that normally are totally nullable could be heard, but most of the Spanish on most of the regional frequencies came from Mexico. A little note prompted by my log on 990: Back in 1947 when I first started DX'ing, I did not have access to any list of Mexican stations, and the first ones I heard were some who broadcast in English. They went into my log as XCMO-860, XCAC-690, XCRB-1090, XCG-1050, XCRF-1570, all of whom, in 1947, were broadcasting in English with the mail order commercials not normally accepted by U.S. broadcasters until AM began to die and syndicated fly-by-night ... woops ... satellite networks traded at least some of their programming for time. It wasn't until I copied the name of the Mexican equivalent of the FCC from an XCG signoff announcement, wrote to the government agency requesting a station list, and actually received one that I realized the calls began with XE rather than XC. I call it the "Slurred Diphthong Syndrome." There is a possibility, as I speculate on the identity of Radio Canon, XEIE, on 990, that pronouncing "aykees-ay-ee-ay" aloud could sound like, under the Slurred Diphthong Syndrome, like "aykees-ay-ee-yay." I dropped XEIE and XEY into various search engines on the net and come up with nothing different for either call from what is in the IRCA Mexican List, either in frequency or in slogan, so I am currently stumped on the 990 station. Searching for "Radio Canon" did not help. It brought up a few references to XEROK and dozens of references to Canon City CO and Canon GA. ("Y" in Spanish is "i griega"; occasionally you'll hear "yeta", but I've never heard "yay" for "y" before -pls)

INTERNATIONAL NEWS

ARUBA: In Aruba the following station was observed on medium wave: VO Aruba 1320 broadcasting in Papiamentu. No other stations broadcast on medium wave, they have all migrated to FM frequencies. Stations previously broadcasting on medium wave, and still shown in WRTM 2001 to be using medium wave are: R. Victoria 960, R. 1270 on 1270 and R. Kelkboom on 1440. The latter station has not been on medium wave for the last six years, having moved to FM. [Max van Atnhem in *Medium Wave News*, APR 2001]

GERMANY: The US consulate at Munich announced yesterday that the IBB Holzkirchen/Oberlindern site will cease transmitting on mediumwave [1593] but continue the shortwave transmissions "towards the Balkans, Central Asia and into other geopolitical important regions, which can for the time being be reached by this facility only for technical reasons". (dpa news agency; original item at <http://www.nz-online.de/nz/b6.htm> if not removed meanwhile). The German text makes not definitely clear whether or not the transmitter is still on air, but seemingly not; at least I hear tonight on 1593 only traces of weak signals down in the noisefloor, while Holzkirchen was actually unmistakable here; I guess 1593 was on air for the last time on Sunday. The statement of the consulate that the shortwave transmitters at Holzkirchen/Oberlindern (HOL) are used for broadcasts into the Balkans, is wrong and certainly the result of a confusion with the mediumwave outlet, which was recently used for the Serbian/Serbocroatian services of VoA and RFE exclusively after carrying also other stuff (namely VoA English, also including Communications World) some years ago. For that they failed to mention the European part of the CIS, which is still amongst the main target areas of HOL. The only azimuths which are currently used at HOL are 39, 57, 59 and 77 degrees, and I guess that not much further ones are possible, so the HOL shortwave transmitters are likely useful for transmissions into the CIS and surrounding targets only. And "technical reasons" are in German an oblique reference to reasons which one does not want to mention (Kai Ludwig, Germany, APR 10, DX LISTENING DIGEST) Yes, 1593 from HOL is down tonight. But same program in Serbo-Croatian is well heard via powerhouse Hungarian stn Marcell on 1188 kHz. 73 de (Wolfgang DF5SX, DX LISTENING DIGEST) Yes, Marcell 1188 is a true powerhouse here, and Mitteldeutscher Rundfunk engineering is quite worried about the reception of "MDR info" in the region between Bautzen, Görlitz and Zittau, which is served by the 1188 outlet from Reichenbach near Görlitz with just 3 kW. It is certainly an educated guess that the experiences with the Marcell outlet finally led to the decision to do without the "HMWT" (as it was called in the old days) and spare the trouble with it; the mediumwave transmitter was a main topic in the controversy about the Holzkirchen/Oberlindern site because the MW mast is located especially close to the residential buildings. Perhaps can anybody (Kim?) find out for the chronicle when 1593 was finally switched off? Something is going on at Berlin. Right now (on APR 11 at noon) Voice of Russia is carried not only on 693 but also on 603. A very vague report about such an observation was already posted on March 19 but I decided to make no fuss about ghosts then. It remains to be seen if a move of VoR into 603 is

imminent or if Deutsche Telekom tests the 603 transmitter for another station. Both frequencies no doubt go out from the Uhlenhorst site in the Köpenick district of Berlin, once the origin of the 250 kW outlets on 693 and 1359. Today the site is equipped with three 5 kW transmitters but recently only a single one was operational on 693. The other ones carried RTL-Radio on 891 (// 1440, i.e. not the Berlin-based "104,6 RTL" FM station) and Jazzradio on 603 (now only carried by a tiny 500 watt transmitter on 101.9 MHz from the Alexanderplatz TV tower, no more jingles with the nice chorus "Sechshundertdrei") and was switched off a couple of years ago. To be complete, Uhlenhorst was also the origin of FM 93.1 (in the past 95.1, the childbet of DT64) until it was removed to the Scholzplatz site of Sender Freies Berlin a couple of years ago. Later: I just received word that VIVA-Radio is supposed to use 891 at Berlin (from October as already reported). This suggests that 603 will indeed be the new frequency for VoR, perhaps Deutsche Telekom just started a transition period with VoR carried on both 693 and 603. It is rumoured that RFE will throw in another mediumwave site for Holzkirchen, described as "some 200 km away", which would fit to the Czech Republic. However, this gossip originates from rather obscure sources, so it could well be without any foundation. Regards, (Kai Ludwig, Germany, APR 11, DX LISTENING DIGEST) (via Medium Wave Circle e-mail)

KALININGRAD: 1143 Bolshakovo with Voice of Russia in Russian: 1200-1700, 1800-2000. (Pavel Mikhaylov, Apr 6 via BC-DX 514) 1386 The LBH transmissions ceased on March 24; now Voice of Russia English is carried 1900-2100, then Bolshakovo signs off. (Kai Ludwig) [via ARC Info-Desk e-mail]

SWAZILAND: 1377 Universal Church of the Kingdom of God, Sandlane. This Brazilian religious broadcaster (Igreja Universal do Reino de Deus) has taken over the transmitter as Radio Cidade has stopped broadcasting since October 2000. (Mauno Ritola 01.04.2001 in EuroLog 02.04.2001) [via ARC Info-desk e-mail]

UNITED KINGDOM: 198 BBC WS Droitwich 500 kW 0000-0430 English. 648 BBC WS Orfordness 500 kW 131 degrees: 24 h in English. 1296 BBC WS Orfordness 500 kW 96 degrees: 1930-2100 English. (Merlin / BBC via ADDX Andreas Volk-D, 15.03.2001 via BCXD) [via ARC Info-desk e-mail]

YUGOSLAVIA: 1377 With very strong signal. 1600-2200 Radio KOSOVO is heard here, but only in Albanian & Turkish langs. (Rumen Pankov-BUL, Mar 17-18, BC-DX #513) [via ARC Info-desk e-mail]

MORE ON LUXEMBOURG

Re the comments in the most recent column, I'd say that the suggestion about audio from 1467 tagging along for the ride is a very strong possibility. There have been numerous cases over the years where audio from one powerful station crept into the signal of another whose transmitter was either on the same tower or very close by. [Russ Edmunds <wb2bjh@nrccdas.org>]

I find this fascinating reading. I have been monitoring 216 kHz for the past several years since I purchased a new ham transceiver Yaesu 1000MP that includes LW. For LW, I use my 1500 ft long wire aimed toward Europe to receive. Ahead of the receiver I use a Palomar tunable filter to eliminate crosstalk, overload etc common to some other types of LW radios. TWR is quite loud here on many occasions, and, yet, still manages to carry a second signal "under". I have never really claimed this signal because I could never quite figure out the station ID-always thinking that when TWR shut down I could then have a better chance to identify. But whenever I was monitoring when TWR went off air this signal also vanished. I can say that I fully believe the Luxembourg Effect is valid. The reasoning that it is the first hop of a low angle signal which mixes in the ionosphere to create this mixed signal makes the best sense of all the theories presented. Over here, although 162 is loud, 183 is equally loud on many occasions-and indeed sometimes louder. Both are very big signals! Sometimes, I have heard 234 (in French) louder than the other two prospects for mixing. Maybe, the mixing signal is on MW? (although usually lower power). Could the other signal be on SW? And several months ago I heard a zero beat signal (under) mixing with the BBC on 198 that was absolutely too good to be true. So I wonder if that too could be the same effect? On that one possibility it could be a bleed from another BBC program meant for FM perhaps. [Erik Stromsted, Pepperell MA]. (Or Algeria 198, which I heard once this season. - Jim)

I really enjoyed your message and it surely tends to confirm some of the assumptions that I have made recently in my messages to various listeners. When, please note that I do not say "If", it happens again make sure that you go and check all the European French broadcasts on LW. My feeling is that you will find one that is the "culprit"! If you do, you can then report that you have heard the Luxembourg effect and you know which signals were being intermodulated! [Jacques D'Avignon, PQ]

COMMENT ON PORTZER ST. LUCIA REPORT

I thought you would like to know that Surcolombiana, in Neiva, is the one we hear in Europe on 1060.3. [Henrik Klemetz e-mail to Mark Connelly] Mark also reports that the updated St. Lucia report has been posted at "http://members.nbc.com/MarkWA1ION/bp_stlucia_log_2000.htm".

CONTRIBUTORS

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DX'er's Notebook

Shared tips, topics, and Internet info

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Welcome back – we'll start this time with some more on targets from hard to hear states...trivia time – see if you can pick out the reference to a state being in a portion of the country that it's not somewhere in this column.

TOUGH STATES

Eric C. Loy <obvious@prairienet.org>: Read with much interest in DX News about your picks for some of these states. Here's the take in Champaign IL:

Oregon, not heard. Washington, KOMO heard in the old WCFL silent period days, not since. Idaho, not heard. Nevada, not heard. Montana, KGHL-790 a few times, mostly in sunrise DX, KFLN-960 heard/verified ONCE at sunset. Arizona, despite numerous tries, not heard. New Mexico, KBIM-910 has been in at least 5 times here since November, and at least two times at quite loud levels over pest KVIS. No others, though.

East, no Maine, Vermont, New Hampshire. Two Rhode Islands heard thanks to Craig Healy tests way back when. Several New Jerseys logged in the last two years, two expanded banders and 1430 and Flemington on 1040 late at night. And finally, Delaware, WJWL-900 heard/verified on a DX test.

No B.C., territories or Maritimes Canadians. No Puerto Rico, either, though I keep hoping for a breakthrough on 1660.

Neil Kazaross <neilkaz@interaccess.com>: Regular to here from you Eric...My QTH in Barrington is 3 hours north of you. I confine my comments to regular schedule with silent periods ignored.

I need to try for KBIM...are you getting it at sunset on their day power?!? Oregon...phase 1190 WOWO and get KEX early in fall months prior to their sunset (Done it about 5 times). Also 1080 a couple of times prior to the Polish Chicago pest running nights. Nevada...got lucky and nabbed Vegas on 1140 w/WRVA phased prior to Vegas sunset. 1050 KITA seems to be best bet for MT at sunset...look for the French on 1050 as indicator earlier.

CBU 690 on very good nights can be heard. As for PR...got 630 in severe aurora last year once!

Randy Stewart <jrs555t@smsu.edu>: Eric Loy's list of tough catches from Illinois inspired me to do a similar list of my own for Springfield MO...



In 30 years of DXing, I've made it to 42 states and 6 provinces. Oregon—unheard. Never logged the 1640 station, even when the frequency was LESS crowded than it is now. Only Washington state so far is KREW-1210 on a DX test in 1993. Only Idaho: KBSU-730 on the March 4, 1996 DX test. Only Nevada has been KDWN-720, which has never answered my numerous reception reports. No Hawaii or Alaska, of course. Only Connecticut so far has been the recent WTIC/KRLD joint test/silent period (still waiting for a reply from WTIC, too.) Only Maryland so far: WMDM-1690. Other unheards are all New Englanders: no Maine, Delaware, New Hampshire, Rhode Island or Vermont. Unheard provinces so far are NE, NWT, NS, PEI, NB, Yukon, Nunavut. No Puerto Rico here either, though like Eric I keep checking 1660 hopefully...

Kevin Redding <amfntvdx@qwest.net>: This is the list that would be beyond awesome from AZ. Alaska, Hawaii, Rhode Island, Vermont, Maine, New Hampshire, Delaware, USVI, Puerto Rico, Saipan, Marianas Islands Trust, Guam, American Samoa, North Dakota, South Carolina in the US. Canadians, Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland, Nunavut, Yukon and the NWT.

It's gonna be a long time if ever that I can say I heard all those.

Rick Lewis <ricklew@shellworld.net>: Hi, Kevin, Isn't the Jamestown on 600 in North Dakota? KFJB, I think it is? I've gotten that with a decent signal before winter sunset.

Kevin Redding: Rick, I do have KSJB and what I should have said was South Dakota.

Neil Kazaross: OK...forgot some and will add DX test stuff

Nevada 720 780 heard one special morning with my superlocals off a few years back and were PEI and NS and Sedona AZ on 780 who said the carried that talk program...(no ID heard as was weak under Reno etc)

730 Idaho DX test was in.. can't seem to nab KBLI 1620 yet.

Washington...KGA heard once prior to their sunset in same conditions to get Oregon and also KREW once in similar conditions. Again without phasing...no WA ever here.

Also NM on 770 KKOB once with football game prior to their pattern switch (bad channel do to WBBM slop...but was clear)

Saul Chernos <schernos@sympatico.ca>: Forget Nunavut, Yukon and NWT. Don't hold your breath on some of the others, either...But you should get Ontario someday...

Rick Kenneally <woodlandview@yahoo.com>: Eric, Very interesting list! You inspired me, so I pulled my Cincinnati logs from March 78 through August 81:

States not heard: 7 - AK, HI, ID, ME, MT, RI, VT

I remember spending hours and hours and hours trying for KBOI Boise and for the station on 1000 in Vermont.

States heard: 43 - One station only:

NV - KMJJ-1140, NH - WHEB-750 but heard a few times, MA - WBZ only, OR - KEX-1190, UT - KSL-1160, WA - KOMO on ET during WCFL silent period, WY - KTWO-1030.

Two stations only:

AZ - KNIX-1580 at s/off & KRDS-1190; DE - WJWL on CPC & WDEL-1150; SD - KKA-1560 & KSOO-1140 s/off; NJ - WBIO-1310 on CPC test & WMIB-1340 (!); NM - KHOB-1390 & KOB-770; ND - KMAV-1520 & KQWB-1550.

States heard most: TN-88 and KY-77

Some of the more outlandish receptions were verified by letter, the rest are all on tape. Things that strike me, looking back over these logs:

- The station I logged next after logging KEX was XEK.
- There were lots of silent periods, equipment tests, frequency checks, etc. back then.
- Lots of loggings of daytimers signing on/off.
- I kept programming notes in one notebook, and dry, statistical logs in another. I've since lost the programming notes, leaving just the logs with fewer memories.
- My HQ-180 was never working very long between tube failures. But some of my best graveyard loggings were on a Radio Shack TRF - don't know why it was better than the DX-160 (probably something to do with AGC).

- God, did I have stamina in high school! Soooo many loggings from the wee hours.

Thanks for initiating that little walk down memory lane.

Patrick Martin <mwdxer@webtv.net>: Here on the Oregon Coast, I still need 4 states and DC. The states are: WV, NH, VT, and DE. Those are toughies even with a beverage. I also forgot the Canadians, NWT and NS I still need.

Eric C. Loy: I have heard KBIM mostly in the 3-5 am range, I assume they switched patterns early, but I've heard stranger. Logged them on the Drake w/Quantum and the TRF, but actually the first and best quality reception was on a Superadio III!

I still use my old TRF 12-655 when I visit in Mahomet (8 miles west) and she still pulls them in like

a charm. Needs some work on the volume slide, though. Had over 900 with it (occasionally with a Select-a-tenna) before. Looked at a running log I kept in the early 80's and the TRF had Colombians in quite often, but very few Northern or NW logs. In the last two years, it's gone the other way. Many Minnesota/Wisconsin/Michigan and Canada logs, virtually no Colombians. Had a pretty fair Mexico opening a little while ago, though...

Bruce Conti <BACONTI@aol.com>: Eric: Your DX recent DX observations are parallel to mine. Colombia used to be regular on frequencies like 610, 650, 700, 760, 770, 810, 1000, and 1170. This DX season reception from Colombia (and Venezuela) has been off. I also had a huge opening to Mexico end of March with armchair copy of 900 and 940, while also receiving R.Mil 1000 and R.Education 1060. Other than that, conditions for the most part have been favoring reception from the midwest and Canadian maritimes. One would expect sustained solar activity to improve Caribbean and Latin American reception, but so far this has not been the case with the exception of a couple of short duration openings.

Chris Rigas <crigas@birinc.com>: Eric, Great topic. During my 21 years of DXing in the Chicago area there are 4 states that I have not been able to catch yet: Alaska, Hawaii, Idaho and Maine.

Some of the tough ones that I managed to hear: Arizona - back in 1983 860 KVA Phoenix used to come in with Spanish language format. Delaware was heard thanks to a DX Test. Montana was heard on 770 - KATL. Nevada was heard on 780 with WBBM off. New Hampshire heard thanks to DX Test by 1370 WFEA. New Mexico used to be heard on 540, with KNMX making it during sunset. Oregon was heard on 1080, long before the local pest appeared. Rhode Island was heard thanks to DX Test. Vermont was received several times on 620 thanks to WVMT, before WTMJ increased their power. Finally Washington state was easy thanks to KOMO and a regular WCFL silent period.

On the foreign front I am still unsuccessfully trying to get Puerto Rico and Jamaica and Panama.

Steve Francis <Amdxmail@aol.com>: I was able to hear 44 states in the '90's, thanks in large part to all the DX tests. Three states haven't been heard since the 70's: ID (KGEM-1140 off-pattern and WRVA off), VT (WCFR-1480 frequency check and a DX test from WSYB-1380), and OR (1976 DX tests from KSLM-1390 and KLAD-960). WY hasn't been heard since either the late 70's or early 80's - whenever WBZ went 24/7. The two I heard were KTWO-1030 and long-gone KNIE-1530 Cheyenne.

John Callarman <JohnCallarman@email.msn.com>: Well, let's see. From Texas I have confirmed dozens of Californians, several Oregonians including a 1,000-watter on 1370 and a 250-watt graveyarder on 1450, more than half a dozen Hawaiians... everything except Maine, New Hampshire, Vermont, Rhode Island and Delaware.

But that was in the late '50s and early '60s, when most stations signed off seven nights and nearly all signed off at midnight Sunday night.

Since moving back to Texas in August of last year, I've managed to find KNX-1070, and those phone numbers from the Santa Cruz area on 1080 when KRLD was off for the only West Coast tapes, KFNN-1100 for Arizona, KSL for Utah, KTWO for Wyoming and that's it. I can hear KDKA on 1020, Cleveland on 1100, Cincinnati on 700, 1530 and 1360, but Boston on 1030, New York on 660, 770 and 880 are all blocked. Nor have I heard Philadelphia on 1060 or 1210.

I was unable to hear WTIC when KRLD was off and WTIC was on. I have not heard a single Canadian since I've been back in Texas.

But I haven't tried too hard for anything in the U.S. and Canada, concentrating my DX time on Mexico.

DXing is a lot harder now, but it's still fun... and it will be more fun when I can get some good antennas up. With work that's being done by Connolly, Dangerfield, Bryant, Kazaross, Merriman and others, it appears near-Beverage performance is possible on normal-size lots. Exalted carrier, IF filters, DSP and other techniques can be employed to work on noise and adjacent channel interference, so, in combination, our horizons can be expanded. We'll never get back to those Monday morning windows when, for example, 950 was completely clear for a couple of hours so we could tape LR3 in Argentina and 2UE in Australia QRMing one another, or on 890 where Colombia and Algeria were weaving in and out... but with Asia and the Pacific on split frequencies now, I'm not convinced I'll be unable to hear at least some exotic DX in the next few years as sunspots diminish and my equipment is optimized.

Willis Monk <wb5khd@inet75.com>: I just wanted to get in on this thread of hard places to hear.

1. From Texas the following states were NEVER heard.....All states not listed were logged. New Hampshire, Vermont, New Jersey, Montana, Alaska.
2. From the present QTH of Collegedale, TN- the following states have NOT been heard, yet. Maine, New Hampshire, Vermont, Rhode Island, New Jersey, Montana, Washington, Oregon, Arizona, New Mexico, Nevada, Idaho, Alaska, Hawaii
3. Countries Heard from Texas QTH... USA, Canada, Mexico, Belize, Guatemala, Honduras, Nicaragua

gua

El Salvador, Costa Rica, Panama, Cuba, Haiti, Dominican Republic Jamaica, Netherlands Antilles, Bahamas, Bermuda, Trinidad Venezuela, Colombia, Brazil, Australia, United Kingdom France, Iran

4. Countries heard from present QTH, Collegedale, TN..... USA, Canada, Mexico, Cuba Bahamas, Colombia, Costa Rica, Jamaica France

Patrick Martin <mwdxer@webtv.net>: Hi: Yes, the days of "everybody off" are gone, except for a few like KDWN-720-Las Vegas that is still off MM's. KCBS-740-SF was off SM's until the last couple of years. All the CBC powerhouses were off at Midnight not that many years ago, but that is gone now. I also remember the 60s/70s when the two stations on 970 on MMs were FL and ME. Everyone was off on the West Coast. On poor conditions MM's, you could go from dead channel to dead channel. Lots of LAs like Colombia on 540, 1000, etc. Ahh, the good ol' days when a communications receiver wasn't needed.

David Gleason <am david@pacbell.net>: 1660 is definitely the best bet for Puerto Rico. It is on an irregular schedule from what I was told this morning, but should be 24/7 after they officially inaugurate the station.

Interestingly, back in the early 60's when I DXed from NE Ohio, the easiest PR was WIVV on Vieques. This 1 kW station signed on at 5 AM local time when 1370 was totally clear, the last Californian (KEFN) having gone away at midnight. PR was sometimes 100% in the clear at 4AM ELT. After that, there were no easy catches, although the next one I heard was WITA-1140 with 500 watts nondirectional, also at 4AM EST before WRVA signed back on after the Monday morning maintenance period. And, of course, I did not know I would be the GM of this station 15 years later!

Also heard back then from PR: WISA-1390, WABA-850, WIPR-940, WIAC-740, WMDD-1480, WAPA-680 all at early AST sign on. The only non-sign on catch I made from PR was AFRTS-780 at Ramey AFB after WBBM signed off making this 50 watter my best miles to power catch.

At present, the new WAPA-680 transmitter site very near the North coast of PR, offers the best chance for PR in most places. 580 is now directional away from. 940 may be possible, as they are still running 1 kW non-directional until they find a new site... they lost towers in the hurricane nearly 3 years ago and have not rebuilt the DA system. 740 at it's new site is sending even less RF to the US.

Robert Foxworth <rfoxwor1@tampabay.rr.com>: I heard WVIV-1370 several times, they were religious, they had a very nice letterhead with an outline map of Vieques island on it. My best PR then was WALO-1240 Humacao at 5 AM EST s/ on one Monday morning when Jim Ernst and I had an all-night DX marathon during Christmas break- in '59 or '60. Jim was from Bridgewater NS and was living in Scotch Plains NJ, not far from me. He had an old table-top Philco (from the late 30's) and had all sorts of good DX on it, from Flensburg-1570 to such as XEAA-1340. Does anyone remember the 1960 Labor Day NRC convention in White Plains NY (I was a co-host) and that Monday morning there was a substantial hurricane bearing down on PR and we heard maybe 2 dozen PR stations that morning on AN for storm coverage. This was interesting as half the people there wanted to DX and the other half wanted to party. I never managed to get Ramey-780 however.

NOISE

Next we tackle the subject of noise... and its inherent ability to ruin the pursuit of our hobby! There has been a lot of information on noise sources in *DX News* this year, and it will probably continue to be a hot topic. One of the biggest frustrations I have is on my (relatively short) 15 minute commute - once I get into the City all the major roads are lined with electric lines that are ridiculously noisy. Anything other than the two local stations is inaudible - that can ruin in-car DXing. Bruce's initial post included below was near the end of a discussion that drifted into this topic.

Bruce Conti: Phasing is not required for the purpose of eliminating noise when a noise-reduced antenna wire is used. With two noise-reduced wires, you can use phasing for its intended purpose, to produce a cardioid/single-direction reception pattern or phase null interfering radio stations.

Russ Edmunds <wb2bjh@nrccdxs.org>: But that setup wouldn't preclude noise radiating from an adjacent computer from getting directly into the receiver either through the air or through the power lines, which is, I suspect, where Fred was going with that.

Frederick R. Vobbe <fredv@nrccdxs.org>: I guess I don't understand how your loop (or whatever) is combined with the wire used for noise canceling to rid yourself of the noise. If it's good, I would like to try it here in server city.

Bruce Conti: It's not noise canceling, it's noise reduction. Noise cancellation is accomplished by phasing out the noise. The receiving antenna is phased with a noise pick-up antenna. The noise reduction system doesn't allow the noise to be received by isolating the antenna from any short-range noise sources such as TVs or internal house wiring.

A wire antenna is located at least 20 feet from any potential radiated noise source, such as a house or utility lines. The antenna is connected to one of the high impedance legs of a 4:1 RF matching trans-

former. The other high impedance leg is connected to ground via a ground rod and/or ground radials. (This transformer is also located at least 20 feet from potential noise sources.) Lead-in to the receiver is 20+ feet of buried coax. The low impedance legs of the transformer are attached across the coax, to the coax center pin and shield. Note that most if not all of the commercially available matching transformers made for amateur radio or shortwave do not have isolated grounds. For this to work, the receiver ground and the antenna ground must be isolated. Either wind your own toroidal transformer, or buy Mini-Circuits models T4-1 or T4-6.

For more information on this method of noise reduction, see the February 1999 edition of Popular Communications magazine, or the Target DX column in the September 22, 1997 edition of the NRC's DX News magazine.

Bruce Conti: A noise-reduced antenna won't allow radiated emissions in the house to be received. Conducted emissions are another problem. If conducted emissions are determined to be the problem, then the receiver would have to be operated by battery to full isolate it from the noise source. I have a deep-cycle marine gel cell battery that I keep on standby for power outages and if conducted emissions occur. Typically, conducted emissions will only be a problem with old equipment such as old TVs or computers. Modern equipment should meet FCC and CE (European Community) requirements for conducted emissions and immunity. Noise that comes from the electric company lines is a typical source of conducted emissions. Conducted emissions are signals that travel down power lines. Radiated emissions are signals that travel through the air. A noise-reduced antenna requires that the wire be located at least 20 feet from any potential radiated noise source, including utility lines, the neighbor's house, and your house.

I have written many times here and in *DX News* about noise-reduced antenna systems. It's my belief that this is the single most important thing you can do to reduce noise levels and hear weak signals at home. Someday I'll do another comparison of reception with and without noise reduction on the DXAS. The difference is amazing! I can DX with the computer running in the same room and receive no interference, in addition to having the TV on in the next room. The only interference problem I experience from time to time is noise from the electric company power lines, especially during wet weather and mostly on longwave.

Neil Kazaross: As one who recently has been hit by often horrendous powerline noise as the lines along Hwy 59 which borders my property are now extremely noisy over a 2 mile stretch...what is the solution to this DX hindrance?

Bob Carter <KC4QLP@aol.com>: A rocket launcher aimed at the power lines and a generator! LOL...ok, just kidding...I couldn't resist the comment...Call your power company and explain what the trouble is and have someone come out to your location. They may find an insulator that is breaking down or some other thing that is about to fail. Keep in mind and make sure that the power company has in their mind is that they must keep noise from power lines down...or the FCC can get involved in this also. I don't remember which rule it is, but it is in there. Good Luck!

Russ Edmunds: Most power companies have at least one person on their technical staff who specializes in interference complaints. In many cases, that person also is a ham operator, who will understand the issues involved. Try to locate that person. If you have a problem or want to make sure before you call, find a local amateur radio club, preferably an established one which serves multibands. There will almost certainly be someone there who will have experience with such problems and can either help you yourselves or perhaps point you toward the right person at the power company.

John Tudenham <w0jrp@earthlink.net>: Saturday night when I heard WTIC I had my Hewlett Packard computer going 5 feet away from my barefoot Superadio 2 which was on batteries and no interference on 1080 khz.

Robert Foxworth: When I was living on Long Island, the department to call was Special Services. It probably has different names with other companies. The rep would come out, usually by appointment and bring an ultrasonic receiver which picked up audio at about 40 kHz and converted it to acoustic audio. It used a very directional super-sonic mike and from the ground, the operator could identify on which cross-bar on the pole the arcing insulator was located. Then a bucket truck would be sent out and the guys usually could fix it 'hot'. The amateur radio club contact is excellent advice.

Craig Healy, Ng1u <ng1u@chowdanet.com>: Use a good portable like the Radio Shack TRF and see if you can isolate it down to a bad transformer or insulator. Then call the power company. Often they have someone who is good at this sort of thing. You'd be doing them a favor, as those noisy parts often are failure points. Be pleasant, but persistent. And ham operators nearby? Sometimes two or more people calling about the same trouble has much more impact.

Kevin Redding: I am interested in this. I live in TV noise HELL. I have my antennas fed by coax and 20 feet away and running on batteries and the noise is still awful. I have everything grounded and it still s*cks.

Frederick R. Vobbe: It would be interesting to do some demo audios as MP3 or RA files. On this

property there is 14 computers running, plus the stuff with processors like my KAM3+, scanners, there are 3 TVs, a transmitter at 540 kHz *, one at 99.3 MHz *, then there is an FM on 97.7 running 6 kW about a half a mile north, and some silly NBC TV station about .75 miles east smoking out 661 kW on channel 35. Then the landlord has stuff running on 145.57 MHz, 2.4 GHz, and 5.8 GHz, plus the HF and VHF/UHF ham rigs. It's no wonder the AM radios around get desensed! Seriously, if I could get rid of the computer noise, I would be very happy. That is what's killing me. Oh, the * means, don't ask questions. <grin>

Kevin Redding: I have a .wav file of KRLD with the noise reducing antenna and without on Werner Funkenhauser's site. For me to get any DX is a miracle. Try this... <http://home.inforamp.net/~funk/slinkant.html>. Its a real short clip but you can see the noise hell I live with. I have the antenna with the grounds and then I remove the ground from the shield of the noise reducing antenna and you can hear what I deal with. The noise reduction does work. It just doesn't work enough to make me happy. Between the TV and the guy with the spark gap arc welder it ain't all that great. There is a drawing on the site. There should be two grounds instead of one. There should be one at each end of the shield on the coax.

Neil Kazaross: I suggest asking Mark C or Bruce for some details of the noise reduction scheme. As for TVI hets...you may need a semi-pro type RX like a R8A etc, and tighten the filter and use the sideband away from the TVI. Thanks for advise on calling electric company as this noise has shattered what used to be near extreme quiet. I agree on bad insulators as things got bad after a blizzard of heavy wet snow.

Rick Kenneally: On this topic, my radio room is near our oil-fired furnace. When the furnace is running, I get quite a bit of static. Also, it seems that the forced hot water circulators that run the heated water through the baseboard registers also generate static. When the circulators are running, I get static that is lower in volume but similar to the furnace. Moving the radio room is not really an option. Anybody have experience with this? I can guess why the burner would generate noise, but I don't get why the circulators would. Does it have something to do with the thermostat? What can I do to reduce the RFI being generated by the furnace & associated parts? Thanks!

Benjamin Dangerfield <ben-dangerfield@worldnet.att.net>: The subject of noise pops up periodically, doesn't it? Here, in Wallingford, outside of TVI and computer interference, [neither of which is much of a problem anymore], noise generally means a 60 cycle type buzz [or similar sound] that usually hits the LW band the most, then the low end of the MW band, and then is not too noticeable until around the 1100's after which it decreases, and seldom bothers the upper band frequencies. Any noise I get comes and goes from one day to another but I would say is off more than it is on. Some I know, is from nearby power lines, and some has been traced to neighbors' light sensors. None comes from our house. The electric company has cooperated in the past. Do others' buzzes behave in the same way? Is the LW band the worst?

Lee Reynolds <lreynolds@cyberportal.net>: I've been busy in my work room recently seeing what's so darn noisy. (I live in a fairly isolated rural location and the nearest BC station is 7+ miles away so I know I've introduced most of my problems myself....) I do a lot of VLF/LF tinkering so noise is even more of a problem than on AM. Now that I own a reasonable portable at last (YB-400), I just tuned the thing to various frequencies where I was hearing noise on the main receivers and did some df'ing. Number one source of RFI (to reception) in the shack are the fluorescent displays in the NRD-525s. Even when powered off, they still generate noise. Number two is the 1250 Watt APC UPS that all the computers are fed by. Number three is the 10/100 Ethernet hub. Number four is the ISDN router. Number five is the laser printer. Monitors are amongst the quieter devices because I replaced the old Van der Graaf generators I used with new TCO99 and MPR-II compliant monitors. The monitors used to be MAJOR noise generators. The computer system units (3) themselves aren't too bad, surprisingly enough.

The message here is that computers and radios don't live together even slightly well as a rule. I may choose to spend a huge amount of time working on making everything as quiet as I can (which almost certainly won't be enough!) but if I really want to listen seriously I power off (and in some cases unplug because being powered down is no guarantee that the device isn't generating noise) every computer-related object in the room. If I need a computer then, that's what the laptop is for...

Russ Edmunds: First off, I want to refer folks to the column I did in Target DX on this topic which saw print a couple of months ago. In it, I covered some basic steps to identify noise sources and, where reasonable, how to deal with them. I deliberately avoided the technicalities of the topic of noise-reduced antennas, owing to the basic thrust of the column, plus the fact that the subject had been covered in the same column when Bruce edited it a couple of years back. If I had a scanner, I'd scan his article and have Fred post it on the website. That said, however, I could send a photocopy and Fred could do the rest, since this seems to be a popular topic.

But, a reminder - regular readers of this list will quickly note that every mention Bruce has made

about noise-reduced antennas has said that they need to be 20 feet away from the building and any other noise sources. He says this for a reason, but, alas, for a number of us, that just isn't possible - locations of trees with respect to buildings, paved areas, patios, bushes etc. being among them.

And, Kevin, I'm glad to know that I'm not the only one with a neighbor with one of those old spark-gap arc welders <g>!

Michael P Battaglini <Michael_P_Battaglini@newyorklife.com>: Hello All, I have been following the Noise thread with much interest—as always. It seems that there is never enough space available to talk about this topic!! As Gerry Thomas termed it to me in an e-mail: "noise—the bane of every DXer!"

But I digress . . . I can really resonate with Ben's comments - I have a very similar sort of noise problem - the "buzz" for me is at its worst at the low end of the band—and probably across the LW frequencies if I ever get around to checking it out. It usually is gone by the time I hit the middle of the band—around the 1000's or so. I can null it out and phase it out with the Quantum/Phaser, but only so much. It does kind of screw things up on the lower frequencies. As such the WGAI test was very difficult to copy, as you can imagine.

I highly recommend the "walk-around-your property-and-house-with a portable radio" experiment. You'd be amazed at how you can begin to discover and eliminate sources of noise. For me, I'm pretty sure it's the power line to my house. On the pole right out front in the corner of the house where I have my shack is a transformer. When I stood underneath that the other night the noise was quite intense. It helped me eliminate what I originally thought was the culprit—my neighbor's halogen lights!

I appreciate the posts about the utility companies and how to approach them since I'll be moving to a new home in June and may need their assistance. Hey—what a great way to meet the new neighbors—wandering around my property with a radio and headphones pointing it at different things!

Kevin Redding: They'll really think you're special when you tell them how their touch lamp is interfering with DX and they have to replace it. :-)

Frederick R. Vobbe: Then you find out it's really the neighbor's invisible fence. He gets mad when you tell him it's causing interference and turns it off. Moments later, two Dobermans have one of each or your cheeks in their mouth as you running home screaming like you heard a 100 watt IBA station from the UK somewhere in Nebraska. Yeah, it's graphic, but I'm in TV.

Tracing this stuff can also be a pain. I've found on those (&^\$(&^ bell insulators that AEP uses, that when I'm walking the pole line you will get a peak, and as you go to the next pole the signal drops. However if you keep going in the same direction you will get yet another peak and even perhaps 6 dB plus or minus the first.

Last time I had this problem the noise seemed to be due east. But when I went back there I started walking the line south and found the problem about 750 feet from where I started.

Mark Durenberger <Mark@durenberger.com>: The one that makes me the most crazy always shows up when I'm really reaching for sensitivity. The noise is never 750 feet away either. It turns out to be one of those damn little wall-wart transformer supplies that runs the phasor or some other electronics!

So: A "Bruce Conti"-type hint: Before you go looking for interference too far away from your loop antenna, try moving the antenna right up next to these little guys; even if they're powering something that's "non-radio." You may be surprised.

Graveyard Achievements

Distance records for stations logged on graveyard frequencies



Logged from Jan 1, 1960 to Present

Date of Last Update: April 30, 2001

indicates record held from Alaska or Hawaii

* indicates record held by DXer from North America (excluding Alaska)

Station	City	DXer	DX Location	Miles
WEBJ	AL. Brewton	Bruce Conti	West Warwick, RI	1138
WPRN	AL. Butler	Ernie Wesolowski	Omaha, NE	768
WULA	AL. Eufaula	Robert Kramer	Chicago, IL	703

Bill Hale phantom2@caze.net

6124 Roaring Springs Drive
North Richland Hills, TX 76180-5552



"You've found New Life at 1240 am"

WOWL	AL	Florence	Ernie Wesolowski	Omaha, NE	639
WOWL	AL	Florence	Carl Dabelstein	Omaha, NE	(Tie) 639
WMGJ	AL	Gadsden	Karl Jeter	Stone Mountain, GA	103
WARF	AL	Jasper	Carl Dabelstein	Lincoln, NE	712
KJAA	AZ	Globe	Mike Sanburn	Bellflower, CA	435
KVRC	AR	Arkadelphia	Charles Reh	Leamington, ON	789
KTLO	AR	Mountain Home	John Malicky	Pittsburgh, PA	732
KWAK	AR	Stuttgart	Charles Reh	Leamington, ON	711
KPOD	CA	Crescent City	Sam Dellit	Brisbane, Queensland	7117
KPOD	CA	Crescent City	Richard E. Wood	Keauu, HI	#2367
KPOD	CA	Crescent City	Tim Hall	Chula Vista, CA	*742
KOAD	CA	Lemoore	Phil Bytheway	Seattle, WA	792
KXXT	CA	Monterey	Richard E. Wood	Keauu, HI	#2320
KNRY	CA	Monterey	Nancy Johnson	Aberdeen, WA	742
KNRY	CA	Monterey	Pete Taylor	Tacoma, WA	(Tie) 742
KPPC	CA	Pasadena	Mike Hardester	San Diego, CA	112
KLOA	CA	Ridgecrest	Carl Dabelstein	Tucson, AZ	450
KROY	CA	Sacramento	Craig Rathbone	Denver, CO	885
KKLA	CA	San Bernardino	Carl Dabelstein	Tucson, AZ	389
KSON	CA	San Diego	Richard E. Wood	Keauu, HI	#2504
KSON	CA	San Diego	Phil Bytheway	Seattle, WA	*1067
KSMA	CA	Santa Maria	Phil Bytheway	Seattle, WA	880
KSUE	CA	Susanville	Olle Alm	Abisko, Sweden	4643
KSUE	CA	Susanville	Carl Dabelstein	Phoenix, AZ	*655
KRDO	CO	Colorado Springs	John Wilkins	West Des Moines, IA	621
KDGO	CO	Durango	Carl Dabelstein	Phoenix, AZ	347
KSLV	CO	Monte Vista	Phil Bytheway	Seattle, WA	1072
KCRT	CO	Trinidad	John Johnson	Sheridan, WY	544
WWCO	CT	Waterbury	Morris Sorensen	Emsdale, ON	417
WBGC	FL	Chipley	Don Trelford	Scarborough, ON	952
WEUS	FL	Eustis	Shawn Axelrod	Orlando, FL	28
WINK	FL	Ft. Myers	Barry McLarnon	Ottawa, ON	1339
WMMB	FL	Melbourne	Mauricio Molano	Madrid, Spain	4337
WMMB	FL	Melbourne	Marc DeLorenzo	Hyannis, MA	*1105
WFOY	FL	St. Augustine	UK DXpedition £	Sheigra, Scotland	3991
WFOY	FL	St. Augustine	Andy Rugg	Montreal, PQ	*1157
WBHB	GA	Fitzgerald	Ernie Wesolowski	Omaha, NE	971
WDUN	GA	Gainesville	Carl Dabelstein	Lincoln, NE	833
WLAG	GA	La Grange	Dave Whatmough	Hamilton, ON	650
WDDO	GA	Macon	Don Trelford	Runaway Bay, Jamaica	1072
WBML	GA	Macon	Steve Francis	Alcoa, TN	*205
WWNS	GA	Statesboro	Carl Dabelstein	Lincoln, NE	1014
WPAX	GA	Thomasville	Morris Sorensen	Scarborough, ON	920
WTWA	GA	Thomson	Don Trelford	Runaway Bay, Jamaica	1090
WTWA	GA	Thomson	Steve Francis	Alcoa, TN	*180
KLEI	HI	Kailua	Eric McIntosh	Invercargill, New Zealand	5142
KVNI	ID	Coeur d'Alene	Phil Bytheway	Seattle, WA	262
KMCL	ID	McCall	Ernie Wesolowski	Omaha, NE	1035
KFLI	ID	Mountain Home	Nancy Johnson	Aberdeen, WA	476
KWIK	ID	Pocatello	Esa Hänninen	Lemmenjoki, Finland	4440
KWIK	ID	Pocatello	LEM96	Lemmonjoki, Finland	(Tie) 4440
KWIK	ID	Pocatello	Nancy Johnson	Aberdeen, WA	*621
KOFE	ID	St. Maries	Tim Hall	Radium Hot Springs, BC	229
WCRW	IL	Chicago	Charles Reh	Leamington, ON	264
WEDC	IL	Chicago	MB DXpedition &	Arnes, MB	741
WSBC	IL	Chicago	Ron Bailey	Shelby, NC	570
WEBQ	IL	Harrisburg	Jeff Falconer	Clinton, ON	549
WTAX	IL	Springfield	Ernie Cooper	Provincetown, MA	1029
WSDR	IL	Sterling	MB DXpedition &	Arnes, MB	703
WHBU	IN	Anderson	Barry McLarnon	Ottawa, ON	619
KDFC	IA	Decorah	Wayne Heinen	Buffalo, NY	659

KWLC	IA	Decorah	Carl Dabelstein	Lincoln, NE	303
KBIZ	IA	Ottumwa	Charles Reh	Leamington, ON	512
KICD	IA	Spencer	Esa Hänninen	Lemmenjoki, Finland	4151
KICD	IA	Spencer	LEM96	Lemmenjoki, Finland	(Tie) 4151
KICD	IA	Spencer	Charles Reh	Leamington, ON	*644
KIUL	KS	Garden City	Esa Hänninen	Lemmenjoki, Finland	4580
KIUL	KS	Garden City	MB DXPedition &	Arnes, MB	*898
KNSS	KS	Wichita	Esa Hänninen	Lemmenjoki, Finland	4536
KNSS	KS	Wichita	MB DXPedition &	Arnes, MB	*924
WLLV	KY	Louisville	Barry McLarnon	Ottawa, ON	709
WPKE	KY	Pikeville	Ernie Wesolowski	Omaha, NE	771
WSFC	KY	Somerset	Ernie Wesolowski	Omaha, NE	679
WSFC	KY	Somerset	Carl Dabelstein	Omaha, NE	(Tie) 679
KASO	LA	Minden	Tim Hall	Irving, TX	214
KANE	LA	New Iberia	Jerry Starr	Youngstown, OH	991
WMKR	ME	Millinocket	Ron Schiller	Monmouth Beach, NJ	455
WCEM	MD	Cambridge	Barry McLarnon	Ottawa, ON	469
WJJE	MD	Hagerstown	Karl Jeter	Stone Mountain, GA	540
WHAI	MA	Greenfield	Denis Picard	Trois-Rivières-Ouest, QC	259
WOCB	MA	West Yarmouth	NF DXPedition #4 Team	Cappahayden, NF	927
WATT	MI	Cadillac	MB DXPedition &	Arnes, MB	698
WCBY	MI	Cheboygan	Carl Dabelstein	Lincoln, NE	698
WIAN	MI	Ishpeming	Barry McLarnon	Ottawa, ON	577
WJIM	MI	Lansing	UK DXPedition ££	Sheigra, Scotland	3426
WJIM	MI	Lansing	Shawn Axelrod	Winnipeg, MB	*771
KKRK	MN	Park Rapids	Carl Dabelstein	Omaha, NE	390
WJON	MN	St. Cloud	Morris Sorensen	Leaf Rapids, MB	845
WMPA	MS	Aberdeen	Jerry Starr	Youngstown, OH	666
WGRM	MS	Greenwood	Frank Merrill	Milan, MI	690
WGCM	MS	Gulfport	Frank Merrill	Milan, MI	864
WMDX	MS	Meridian	Ernie Wesolowski	Omaha, NE	737
WAVN	MS	Southaven	Tim Hall	Memphis, TN IAP	5
KFMO	MO	Flat River	Charles Reh	Leamington, ON	510
KWOS	MO	Jefferson City	Esa Hänninen	Lemmenjoki, Finland	4385
KWOS	MO	Jefferson City	Shawn Axelrod	Winnipeg, MB	*806
KNEM	MO	Nevada	Shawn Axelrod	Hecla Island, MB	928
KUUS	MT	Billings	Esa Hänninen	Lemmenjoki, Finland	4190
KBMY	MT	Billings	Bruce Reynolds	Warrensburg, MO	*895
KLTZ	MT	Glasgow	Esa Hänninen	Lemmenjoki, Finland	4001
KLTZ	MT	Glasgow	Roy Millar	Marysville, WA	*726
KLYQ	MT	Hamilton	Phil Bytheway	Seattle, WA	397
KBLL	MT	Helena	Carl Dabelstein	Omaha, NE	881
KFOR	NE	Lincoln	Esa Hänninen	Lemmenjoki, Finland	4321
KFOR	NE	Lincoln	MB DXPedition &	Arnes, MS	*681
KODY	NE	North Platte	Esa Hänninen	Lemmenjoki, Finland	4372
KODY	NE	North Platte	Shawn Axelrod	Winnipeg, MB	*614
KODY	NE	North Platte	Morris Sorensen	Winnipeg, MB	(Tie) *614
KELK	NV	Elko	Frank Merrill	Nenana, AK	#2107
KELK	NV	Elko	Tim Hall	Chula Vista, CA	*572
WFTN	NH	Franklin	Bob McCoy	Lincoln, NE	1293
WSNJ	NJ	Bridgeton	Charles Reh	Leamington	424
KLJN	NM	Albuquerque	Tim Hall	Chula Vista, CA	626
KAMQ	NM	Carlsbad	Ernie Wesolowski	Omaha, NE	758
KCLV	NM	Clovis	Tim Hall	Chula Vista, CA	809
WGBB	NY	Freeport	Charles Reh	Leamington, ON	475
WGVA	NY	Geneva	Joe Kureth	Uniontown, MD	234
WJTN	NY	Jamestown	John Wilkins	West Des Moines, IA	747
WVOS	NY	Liberty	Barry McLarnon	Ottawa, ON	253
WSNY	NY	Schenectady	Jeff Falconer	Clinton, ON	384
WATN	NY	Watertown	Joe Kureth	Southern Pines, NC	636
WPNF	NC	Brevard	Joe Kureth	Uniontown, MD	433

WIST	NC	Charlotte	Andy Rugg	Montreal, QC	807
WCNC	NC	Elizabeth City	Barry McLarnon	Ottawa, ON	627
WJNC	NC	Jacksonville	Andy Rugg	Montreal, QC	770
WRNC	NC	Raleigh	Russ Edmunds	Parsippany, NJ	301
KDLR	ND	Devils Lake	Jeff Tynan	Parker, CO	663
WBBW	OH	Youngstown	Andy Rugg	Montreal, QC	468
WHIZ	OH	Zanesville	Barry McLarnon	Ottawa, ON	490
KVSO	OK	Ardmore	John Wilkins	Wheat Ridge, CO	585
KADS	OK	Elk City	Bill Hale	Mountain Home, ID	1021
KBEL	OK	Idabel	Bruce Reynolds	Warrensburg, MO	343
KOKL	OK	Okmulgee	Karl Jeter	Stone Mountain, GA	682
KFLY	OR	Corvallis	Esa Hänninen	Lemmenjoki, Finland	4445
KFLY	OR	Corvallis	John Johnson	Sheridan, WY	*799
KTIX	OR	Pendleton	Olle Alm	Abisko, Sweden	4259
KKID	OR	Pendleton	John Johnson	Sheridan, WY	*579
KPRB	OR	Redmond	Phil Bytheway	Seattle, WA	236
KQEN	OR	Roseburg	MB DXPedition &	Valhalla Beach, MB	1356
WRTA	PA	Altoona	Steve Francis	Alcoa, TN	445
EBS	PA	Philadelphia	Dan Phillips	Clinton, TN	630
WHUM	PA	Reading	Steve Francis	Alcoa, TN	438
WSEW	PA	Selinsgrove	Marc DeLorenzo	Hyannis, MA	347
WBAX	PA	Wilkes-Barre	Steve Francis	Alcoa, TN	577
WWON	RI	Woonsocket	Joe Kureth	Uniontown, MD	336
WKDK	SC	Newberry	Steve Francis	Alcoa, TN	169
WDXY	SC	Sumter	Russ Edmunds	Parsippany, NJ	581
KCCR	SD	Pierre	Esa Hänninen	Lemmenjoki, Finland	4156
KCCR	SD	Pierre	Dave Whatmough	Hamilton, ON	*1022
WBEJ	TN	Elizabethton	Carl Dabelstein	Omaha, NE	821
WBEJ	TN	Elizabethton	Ernie Wesolowski	Omaha, NE	(Tie) 821
WEKR	TN	Fayetteville	Carl Dabelstein	Lincoln, NE	673
WBIR	TN	Knoxville	Andy Rugg	Montreal, QC	851
WKDA	TN	Nashville	Andy Rugg	Montreal, QC	936
WEDG	TN	Soddy-Daisy	Ernie Wesolowski	Omaha, NE	723
WENK	TN	Union City	Harry Hayes	Gouldsboro, PA	780
KVLF	TX	Alpine	John Wilkins	Fort Davis, TX	21
KEAN	TX	Brownwood	John Wilkins	West Des Moines, IA	738
KORA	TX	Bryan	Frank Merrill	Milan, MI	1058
KXIT	TX	Dalhart	John Wilkins	Wheat Ridge, CO	291
KOCA	TX	Kilgore	Ernie Wesolowski	Omaha, NE	614
KSOK	TX	Raymondville	Tim Hall	Houston, TX	272
KXOX	TX	Sweetwater	Charles Reh	Leamington, ON	1178
WSKI	VT	Montpelier	Joe Kureth	Uniontown, MD	397
WSSV	VA	Petersburg	Andy Rugg	Montreal, QC	604
WROV	VA	Roanoke	Bruce Reynolds	Warrensburg, MO	755
WTON	VA	Staunton	Andy Rugg	Montreal, QC	581
KCVL	WA	Colville	Olle Alm	Abisko, Sweden	4066
KCVL	WA	Colville	Tim Hall	Jasper, AB	*302
KXLE	WA	Ellensburg	Olle Alm	Abisko, Sweden	4201
KXLE	WA	Ellensburg	Shawn Axelrod	Vancouver, BC	*197
KGY	WA	Olympia	Tim Hall	Kamloops, BC	276
WKOY	WV	Bluefield	Morris Sorensen	Emsdale, ON	580
WTIP	WV	Charleston	Niel Wolfish	Toronto, ON	386
WDNE	WV	Elkins	Barry McLarnon	Ottawa, ON	492
WOMT	WI	Manitowoc	Shawn Axelrod	Valhalla Beach, MB	635
WIBU	WI	Poynette	Barry McLarnon	Ottawa, ON	686
WJMC	WI	Rice Lake	John Johnson	Sheridan, WY	742
KFBC	WY	Cheyenne	MB DXPedition &	Arnes, MB	761
KEVA	WY	Evanston	Bob McCoy	Lincoln, NE	471
KASL	WY	Newcastle	Mike Hardester	Modesto, CA	976
KRAL	WY	Rawlins	Ernie Wesolowski	Omaha, NE	578
KRAL	WY	Rawlins	Carl Dabelstein	Omaha, NE	(Tie) 578

36					
KTHER	WY	Thermopolis	Nancy Johnson	Aberdeen, WA	791
WALO	PR	Humacao	Cesar Objio	Santo Domingo, DR	268
CKBX	BC	100 Mile House	Nancy Johnson	Aberdeen, WA	343
CFVR	BC	Abbotsford	Nancy Johnson	Aberdeen, WA	158
CFEK	BC	Fernie	Phil Bytheway	Seattle, WA	369
CKGO	BC	Hope	Tim Hall	Banff, AB	288
CKMK	BC	Mackenzie	Frank Merrill	Nenana, AK	#1089
CKMK	BC	Mackenzie	Tim Hall	Jasper, AB	*267
CJOR	BC	Osoyoos	Tim Hall	Jasper, AB	270
CBXX	BC	Pemberton	Shawn Axelrod	Victoria, BC	134
CJAV	BC	Port Alberni	Pete Taylor	Tacoma, WA	174
CFNI	BC	Port Hardy	Frank Merrill	Nenana, AK	#1237
CJAR	MB	The Pas	Esa Hänninen	Lemmenjoki, Finland	3545
CJAR	MB	The Pas	Shawn Axelrod	Valhalla Beach, MB	*276
CKIM	NF	Baie Verte	Esa Hänninen	Siilinjärvi, Finland	3071
CKIM	NF	Baie Verte	Jean Burnell	St. John's, NF	*227
CJCD	NWT	Yellowknife	UK DXpedition £	Sheigra, Scotland	3277
CJCD	NWT	Yellowknife	Morris Sorensen	Leaf Rapids, MB	*653
CFAK	ON	Atikokan	Shawn Axelrod	Winnipeg, MB	259
CJNH	ON	Bancroft	Jeff Falconer	Clinton, ON	208
CBEZ	ON	Britt	Morris Sorensen	Emsdale, ON	62
CJCS	ON	Stratford	Russ Edmunds	Blue Bell, PA	369
CJWA	ON	Wawa	Morris Sorensen	God's Lake Narrows, MB	935
CJRW	PI	Summerside	Esa Hänninen	Lemmenjoki, Finland	3284
CJAF	QC	Cabano	Esa Hänninen	Lemmenjoki, Finland	3363
CJAF	QC	Cabano	Shawn Axelrod	Valhalla Beach, MB	*1268
CJMD	QC	Chibougamau	Denis Picard	Trois-Rivières-Ouest, QC	261
CKVD	QC	Dolbeau	Russ Edmunds	Blue Bell, PA	620
CIRB	QC	Lac-Etchemin	Christian DeHaes	Chicoutimi, QC	141
CKLS	QC	La Sarre	Esa Hänninen	Lemmenjoki, Finland	3479
CKLS	QC	La Sarre	MB DXpedition &	Arnes, MB	*800
CKLM	QC	La Tuque	Joe Kureth	Uniontown, MD	584
CFLS	QC	Levis	Paul Mount	Teaneck, NJ	450
CKBS	QC	St.-Hyacinthe	Ron Schiller	Monmouth Beach, NJ	370
CJNS	SK	Meadow Lake	Esa Hänninen	Lemmenjoki, Finland	3637
CJNS	SK	Meadow Lake	Shawn Axelrod	Winnipeg, MB	*570
ZNS2	BAH	Nassau	Charles Reh	Leamington, ON	1208
CMGW	CU	Matanzas	Ron Schiller	Lighthouse Point, FL	244
HICV	DR	Barahona	Don Trelford	Runaway Bay, Jamaica	463
TGK	GTM	Guatemala City	Niel Wolfish	Toronto, ON	2106
4VSJ	HTI	Port-au-Prince	Morris Sorensen	Runaway Bay, Jamaica	324
XEWG	CH	Ciudad Juarez	Jim Boehm	San Antonio, TX	501
XEVM	CI	Piedras Negras	Jim Boehm	San Antonio, TX	136
XESI	NA	Santiago Ixcuintla	Pete Taylor	Cabo San Lucas, BCS	308
XEIS	NL	Monterrey	Jim Boehm	San Antonio, TX	287
XEBQ	SO	Guaymas	Tim Hall	Poway, CA	503
XECG	SO	Nogales	Tim Hall	Rancho Bernardo, CA	375
XES	TA	Tampico	Jim Boehm	San Antonio, TX	504
ZYH654	BRZ	Candinde	UK DXpedition £	Sheigra, Scotland	4731
ZYH90	BRZ	Joinville	Pete Taylor	Rio de Janeiro, Brazil	422
ZYI774	BRZ	Recife	Pete Taylor	Cape Town, South Africa	3817
YVLQ	VEN	La Victoria	Tim Hall	Crane Beach, Barbados	574
—	CNH	Shenyang	Pete Taylor	San Francisco, CA	5553
JOTK	JPN	Matsue	Pete Taylor	San Francisco, CA	5444

£ = UK DXpedition [Steve Whitt, Mark Hattam, Clive Rooms]

££ = UK DXpedition [Mark Hattam, Clive Rooms, Dave Kenny and Martin Hall]

& = MB DXpedition [Shawn Axelrod, Wayne McRae]

NF DXpedition #4 Team [Jean Burnell, David Clark, Mark Connelly, Bruce Conti, Neil Kazaross, Jim Renfrew]

1.EM96 [Mika Makelainen and Jorma Mantyla]

Professional Sports Networks

Barry S. Finkel bsfinkel@ANL.gov

10314 S. Oakley
Chicago, IL 60643-2409

Network listings for team sports stations

Here's the flagship list for Arena Football (from Bob Pietsch); The source is <www.arenafootball.com>. The one pair of announcer names came from Ken Onyschuk.

Arizona Rattlers	860	KMVP-AZ
Buffalo Destroyers	550	WGR- NY
Carolina Cobras		No radio
Chicago Rush	670	WSCR-IL Tom Dore, Mike North
Detroit Fury	1130	WDFN-MI
Florida Bobcats	940	WINZ-FL
Grand Rapids Rampage	1340	WBBL-MI
Houston Thunderbears		TBA
Indiana Firebirds	1260	WNDE-IN
	101.9	WKLU-IN
Los Angeles Avengers	1540	KMPC-CA
Milwaukee Mustangs	100.1	WGLB-WI
Nashville Kats	99.7	WWTN-TN
New Jersey Gladiators		No radio
New York Dragons		TBA
Oklahoma Wranglers	640	WWLS-OK
	104.9	KNTL-OK
Orlando Predators	740	WQTM-FL
San Jose Saber Cats	1050	KTCT-CA
Tampa Bay Storm	620	WDAE-FL
Toronto Phantoms	640	CFYI-ON

KFI 540

Here is Major League Baseball (MLB) flagship information for the 2000 season from "2001 Sporting News Baseball Preview" and "Baseball America Almanac" via Ken Onyschuk; the network sizes come from "Broadcasting and Cable" 04/02/2001 via Paul Swearingen. I have a handful of network lists; they follow the flagship list. Please send me any other network lists that you find. Thanks.

		+ = Announcers from 2000 season	
Anaheim Angels	570	KLAC-CA (EE)	10 Mario Impemba, Darren Sutton
Arizona Diamondbacks	620	KTAR-AZ (EE)	17 Greg Schulte, Rod Allen, Thom Brenneman, Jim Traber
	1400	KSUN-AZ (SS)	? Fred Morales, Rich Saenz
Atlanta Braves	750	WSB-GA	172 Skip Caray, Pete Van Wieren, Don Sutton, Joe Simpson
Baltimore Orioles	1090	WBAL-MD	24 Jim Hunter, Fred Manfra
Boston Red Sox	850	WEEI-MA (EE)	51 Joe Castiglione, Jerry Trupiano
Chicago Cubs	720	WGN-IL	38 Pat Hughes, Ron Santo
Chicago White Sox	1000	WMVP-IL	37 John Rooney, Ed Farmer
Cincinnati Reds	700	WLW-OH	60 Marty Brenneman, Joe Nuxhall
Cleveland Indians	1100	WTAM-OH	38 Tom Hamilton, Mike Hegan, Matt Underwood
Colorado Rockies	850	KOA-CO (EE)	65 Wayne Hagin, Jeff Kingery
	1150	KCUV-CO (SS)	? +Francisco Gomez, Antonio Guevara (99)
Detroit Tigers	1270	WXYZ-MI	34 Ernie Harwell, Jim Price, Dan Dickerson
Florida Marlins	560	WQAM-FL (EE)	15 Joe Scambi, Dave Van Horne
	1140	WQBA-FL (SS)	? Felo Ramirez, Angel Rodriguez
Houston Astros	740	KTRH-TX (EE)	50 Milo Hamilton, Alan Ashby
	1320	KXYZ-TX (SS)	? Francisco Ruiz, Alex Travino
Kansas City Royals	980	KMBZ-MO	85 Denny Matthews, Ryan Lefebvre
Los Angeles Dodgers	1150	KXTA-CA (EE)	28 Vin Scully, Ross Porter, Rick Monday

Los Angeles Dodgers	1330	KWKW-CA (SS)	? Jaime Jarrin, Pepe Yniguez
Milwaukee Brewers	620	WTMJ-WI	52 Jim Powell, Bob Uecker
Minnesota Twins	830	WCCO-MN	48 John Gordon, Dan Gladden
Montreal Expos		TBA (EE)	
	730	CFAC-PQ (FF)	20 Jacques Doucet, Marc Griffin, Claude Raymond
New York Mets	660	WFAN-NY	10 Gary Cohen, Ed Coleman, Bob Murphy
New York Yankees	770	WABC-NY	33 John Sterling, Michael Kay
Oakland Athletics	960	KABL-CA	25 Bill King, Ray Fosse, Ken Korach
Philadelphia Phillies	1210	WPHT-PA	16 Harry Kalas, Larry Anderson, Scot Graham, Andy Musser, Chris Wheeler
Pittsburgh Pirates	1020	KDKA-PA	35 Lanny Frattare, Steve Blass, Greg Brown, Bob Walk
Saint Louis Cardinals	1120	KMOX-MO	107 Jack Buck, Mike Shannon, Joe Buck
San Diego Padres	600	KOGO-CA	1 Jerry Coleman, Ted Leitner
San Francisco Giants	680	KNBR-CA	13 +Jon Miller, Duane Kuiper, Ted Robinson, Mike Krukow, Lon Simmons, Dennis Higgins
Seattle Mariners	710	KIRO-WA	40 Dave Neihaus, Rick Rizzz, Ron Fairly, Dave Valle
	770	KNWX-WA conf1	
Tampa Bay Devil Rays	970	WFLA-FL	11 Paul Oiden, Charley Slowes
Texas Rangers	1080	KRLD-TX (EE)	70 Eric Nadel, Vince Cotroneo
	1270	KESS-TX (SS)	?
Toronto Blue Jays	1050	CHUM-ON	30 Tom Cheek, Jerry Howarth

Chicago Cubs 2001 Pat Hughes, Ron Santo
<http://www.tribuneradio.com/cubsaffiliates.htm> (04/19/2001)

720	WGN -IL *	1240	WSDR-IL g	1440	WGEM-IL g	1570	KVTK-SD
800	KXIC-IA	1290	WWFS-IL	1450	WMB-IL	1590	KWBG-IA
880	WINU-IL	1330	WRAM-IL	1460	WJCI-IL		
910	WAKO-IL	1340	KRLV-NV		WKAM-IN	97.7	WMOI-IL
920	WMOK-IL	1350	KRNT-IA	1480	KLEE-IA	103.1	WAKO-IL
1060	WMCL-IL	1380	KCIM-IA	1510	WCBW-IL	104.9	WAXI-IN
1150	KCPS-IA g	1400	KADR-IA	1540	WBNL-IN	105.3	KIWA-IA
1170	KJOC-IA g		WBAT-IN	1550	KIWA-IA		

Chicago White Sox 2001 John Rooney, Ed Farmer (from Ken Onyschuk 04/06/2001)

860	WGOM-IN	1230	WJOB-IN	1420	WIMS-IN	1590	WAIK-IL
880	WCBW-IL a	1240	WSDR-IL g	1440	WGEM-IL g	1600	KCRG-IA
1000	WMVP-IL *		WTAX-IL e		WROK-IL		
1060	WRHL-IL	1280	WBIG-IL	1490	WZOE-IL	97.7	WLQI-IN
1150	KCPS-IA g	1350	WTAZ-IL	1500	WGEN-IL	98.1	WIBN-IN
1170	KJOC-IA g	1360	WLBK-IL	1510	WINU-IL a	102.5	WHHK-IL
1230	WHCO-IL e	1390	KCLN-IA	1580	WBCE-IL	107.7	WMRS-IN

Cincinnati Reds 2001 Marty Brennaman, Joe Nuxhall

<http://www.redsonradio.com/Reds/affiliates.html> (04/23/01)

580	WCHS-WV	1230	WIRO-OH	1440	WMDJ-KY	94.3	WKKI-OH
630	WLAP-KY		WKTU-OH	1450	WXXL-KY	95.3	WNDI-IN
680	WCTT-KY	1240	WFTM-KY		WLTP-WV	96.5	WXCC-WV
700	WLW -OH *		WSFC-KY	1470	WHRD-WV	97.7	WYRO-OH
740	WRNR-WV		WHIZ-OH	1490	WBEX-OH	98.7	WONE-OH
830	WBVI-OH	1250	WCHO-OH		WMOA-OH	100.1	WMDJ-KY
910	WKEQ-KY	1260	WNDE-IN		WSWW-WV	100.9	WPGW-IN
930	WHON-IN		WNXT-OH	1520	WOOO-IN	101.9	WVOW-WV
	WRVC-WV	1290	WVOW-WV	1550	WNDI-IN	102.3	WCYN-KY
970	WATH-OH	1320	WKIN-TN	1580	WSAI-KY		WUGO-KY
980	WSRW-OH	1340	WBIW-IN	1600	WKSF-KY	103.9	WRBI-IN
990	WTIG-OH		WTFN-IN		WSNR-KY	105.7	WXXM-KY
1080	WKJK-KY		WCMI-KY		WZZW-WV	105.9	WHAY-KY
1150	WIMA-OH		WEKY-KY			107.9	WYER-IN
1230	WHIR-KY	1390	WMPO-OH	92.7	WJCP-IN		
	WFII-OH	1440	WPGW-IN		WRVC-WV		

Kansas City Royals 2001 Denny Matthews, Ryan Lefebvre

(http://royals.mlb.com/NASAApp/mlb/kc/news/kc_news_story.jsp?GXHC_gx_session_id_=a70d790f7859fb24&article_id=kc_20010314_radioaffils_news&team_id=kc) (4/3/2001 5:04 pm ET)

580	WIBW-KS	1240	KIUL-KS	1450	KWBW-KS	92.1	KCHE-IA
620	KMNS-IA		KNSS-KS		KOKO-MO		KMOE-MO
680	KFEQ-MO		KLIK-MO		KBFS-SD	92.3	KKOZ-MO
690	KGGF-KS	1270	KRVT-OK	1460	KKOY-KS	93.5	KWME-KS
790	KXXX-KS	1290	KWLS-KS	1470	KAIR-KS	95.3	KDKD-MO
860	KKOW-KS	1300	KMMO-MO	1480	KLMS-NE	95.9	KCAY-KS
880	KRVN-NE	1310	KFLA-KS	1490	KDRO-MO	96.7	KBBE-KS
960	KMA -IA		KGMT-NE		KTTR-MO f		KLKC-KS
	KNEB-NE	1320	KLWN-KS	1530	KMAM-MO	97.7	KNCY-NE
980	KMBZ-MO *		KMAN-KS	1540	KLKC-KS	98.7	KWTO-MO
990	KRSL-KS	1360	KSRX-KS		KNGL-KS	99.5	KUTT-NE
	KRMO-MO	1370	KGNO-KS	1550	KKLE-KS	100.1	KKWK-MO
1060	KNLV-NE	1380	KMUS-OK	1560	KQYX-MO	101.7	KIND-KS
1150	KWKY-IA	1400	KAYS-KS	1570	KMYZ-OK	102.9	KMMO-MO
	KSAL-KS		KVOE-KS	1580	KTGR-MO	103.9	KNZA-KS
	KRMS-MO	1420	KJCK-KS	1600	KMDO-KS		KOMB-KS
1190	KREB-AR		KREL-MO		KNCY-NE		KNLV-NE
	KVSV-KS	1430	KKOZ-MO	1620	KAZP-NE	105.5	KKOY-KS
1200	KYOO-MO	1440	KCHE-IA			106.3	KYOO-MO

Saint Louis Cardinals 2001 Jack Buck, Mike Shannon, Joe Buck

<http://www.knox.com/html/radio%20station%20lists-1.htm> (AS OF 2/26/01)

690	KEWI-AR	1330	WTRO-TN		WKRO-IL	97.5	KOEA-MO
740	WLVN-IL	1340	KBTA-AR		KTTR-MO f	97.9	KBXB-MO
790	WMC -TN b		WJPF-IL		WTUP-MS	98.3	WRAN-IL
800	KAGH-AR		WSOY-IL	1520	WLUF-IL	98.9	KTMO-MO
	KVOM-AR		KSMO-MO	1550	KSFT-MO	99.3	WZLT-TN
860	WSON-KY		KXEO-MO	1560	WBYS-IL	99.5	KREB-AR
940	WMIX-IL n	1360	KFFA-AR	1570	WTAY-IL	100.3	KUKU-MO
960	KZIM-MO	1390	KREB-AR		WTRB-TN		KWQM-MO
970	KNEA-AR		KCRC-OK	1580	WAMW-IN	100.5	WSJD-IL
1050	KSIS-MO	1400	WDWS-IL				KKCA-MO
1070	KHMO-MO		KGIL-IL	92.7	KASR-AR		KMEM-MO
1120	KMOX-MO *		KFRU-MO	92.9	WSEI-IL	100.9	KTUI-MO
1130	WSDX-IN b		KREF-OK b	93.5	WKBQ-TN	101.3	KTXR-MO
	WRKY-KY		KWON-OK	93.7	WTKB-TN	102.3	WRMJ-IL
1220	KJAN-IA	1420	KXOW-AR	94.9	KWOC-MO		WCBL-KY
	WLPO-IL		WINI-IL	95.3	KMAQ-IA		KJPW-MO
1230	KFPW-AR	1430	WYMC-KY		KOKX-IA	103.1	WGBF-IN
	WHCO-IL e	1440	WIBH-IL		WMSK-KY	103.7	KJEL-MO
	WJBC-IL	1450	WKEL-IL	95.5	KAAN-MO	103.9	KPOC-AR
	WBBZ-OK		WDXR-KY	95.7	WCRC-IL	104.7	KRES-MO
1240	KBIZ-IA		KIRX-KY	95.9	KSAR-AR	104.9	KAGH-AR
	WEBQ-IL		KWPM-MO		KCOB-IA		KPWB-MO
	WTAX-IL e		WMGH-MO		KKBL-MO	105.1	WGEM-IL
	KFMO-MO	1460	WIXN-IL	96.7	WLUF-IL	106.3	WXMZ-KY b
	KWOS-MO		WROY-IL		WFML-IN	106.9	KJJC-IA
	WENK-TN	1470	WMBD-IL	97.3	WTIM-IL	107.1	WEAI-IL
1290	KALM-MO	1490	KDSR-AR				
1300	WSJX-IN b		WDAN-IL				

For Beginners ...
 the world of DX'ing can be confusing, but both new and experienced DX'ers can find answers in Russ Edmunds' column, "Target DX." If you have a DX question, just send it to Russ at <<wb2bjh@nrcdxas.org>> or 753 Valley Rd. - Blue Bell, PA 19422-2052 and he'll answer it in a future column. Remember - you're not alone - we all started at the beginning - once!

New York Yankees/Madison Square Garden Network 2001 John Sterling, Michael Kay
(straight from the coordinator's C drive via Bob Galerstein 03/30/2001
with two later corrections from BG)

550	WGR-NY	1150	WRUN-NY	1340	WBRK-MA	1410	WPOP-CT
600	WICC-CT	1160	WPIE-NY		WALL-NY		WELM-NY
620	WHEN-NY	1180	WHAM-NY		WENT-NY	1420	WACK-NY
630	WEJL-PA	1240	WWCO-CT		WIRY-NY	1430	WENE-NY
640	WNNZ-MA		WJTN-NY		WWPA-PA	1490	WKNY-NY
770	WABC-NY *		WBAX-PA	1380	WABH-NY	1520	WGAM-MA
790	WSKO-??	1270	WTSN-NH	1390	KRLV-NV		
	WTNY-NY	1300	WTMM-NY		WEOK-NY	93.5	WBGF-FL
800	WLAD-CT	1320	WEEX-PA		WKDR-VT	103.5	WNNR-NY
1010	WQYK-FL						

Texas Rangers 2001 Eric Nadel, Vince Cotroneo
(<http://www.krld.com/radionetworkaffiliates.asp> 03/12/01)
(From team via Dale Park)

600	KTBB-TX	1230	KSST-TX	1380	KBWD-TX	92.3	KCUL-TX
690	KPET-TX	1240	KASO-LA i	1400	KVRP-TX	94.3	KSEY-TX
710	KGNC-TX		KVSO-OK	1410	KCAR-TX	95.5	KVRP-TX
740	KCMC-TX		KVLF-TX	1420	KPAR-TX i	97.7	KEAS-TX
760	KTKR-TX	1260	KKSA-TX	1430	KEES-TX	98.3	KCUB-TX
860	KSFA-TX j	1290	KWFS-TX	1450	KGFF-OK		KPTX-TX
930	WKY-OK j	1300	KFLO-LA	1470	KEAN-TX j	99.9	KMOO-TX
950	KJTV-TX i	1320	KVMC-TX	1490	KRUI-NM	100.9	KIXC-TX i
1080	KRLD-TX *	1330	KLBO-TX	1540	KGBC-TX	101.9	KACQ-TX
1090	KKYN-TX		KSWA-TX	1550	KCOM-TX	103.3	KWOW-TX
1120	KCLE-TX	1340	KEBC-OK i	1560	KEGG-TX	104.3	KGAS-TX
1150	KCCT-TX		KKAM-TX j		KZQQ-TX i	105.1	KWMW-NM
	KZNE-TX	1370	KFRO-TX j	1590	KGAS-TX	106.3	KAUM-TX
1220	KMVL-TX		KJCE-TX	1600	KOGT-TX		

Detroit Tigers 2001 Ernie Harwell, Jim Price, Dan Dickerson
(<http://wxyt.com/home.htm>) (03/10/2001) "(more to come!)"
(<http://www.michguide.com>) (via Dale Park)

580	WTCM-MI	1240	WCBY-MI k	1400	WCCY-MI l	92.7	WQTX-MI l
590	WKZO-MI	1270	WMKT-MI l		WRCC-MI		WVIC-MI k
600	WCHT-MI l		WXYT-MI *		WSJM-MI l	96.1	WMTR-OH
630	CFCO-ON l	1290	CJBC-ON l	1450	WHTC-MI	97.3	WDEE-MI
790	WSGW-MI	1320	WDMJ-MI		WIBM-MI	---	W---OH ck
940	WGMY-MI l	1330	WTRX-MI		WNBY-MI	100.1	WSHN-MI
	WIDG-MI l	1340	WBBL-MI l	1470	WLQR-MI	101.1	WUPY-MI l
1050	WTKA-MI		WCSR-MI	1490	WMPX-MI l	104.7	WKJC-MI l
1230	WSOO-MI l		WMBN-MI l	1550	WSHN-MI k	106.3	WSCG-MI l
1240	WATT-MI l	1380	WPHM-MI				

Mikwaukee Brewers 2001 Jim Powell, Bob Uecker
(<http://www.wtnj.com/620programs/sportscentral/brewersnetwork.asp>
"Dated: November 22, 2000" and retrieved 04/12/01)

550	WSAU-WI	1240	WJMC-WI	1430	WBEV-WI	94.3	WPRE-WI
580	WKTY-WI		WOBT-WI		WRDN-WI	95.9	WRDN-WI
590	WJMS-MI		WOMT-WI	1450	KFIZ-WI	96.7	WJH-WI
620	WTMJ-WI *	1260	WEKZ-WI		WDLB-WI	98.3	WCQM-WI
680	WDBC-MI		WWIS-WI		WRCO-WI	99.1	WIKB-MI
710	WDSM-WI	1310	WIBA-WI	1550	WEVR-WI	99.3	WKEB-WI
940	WFAW-WI	1320	WFHR-WI	1590	WPVL-WI	99.7	WIMI-MI
960	WTCH-WI	1330	WHBL-WI				WWIS-WI
980	WNBI-WI	1350	WPDR-WI	92.3	WJPD-MI	99.9	WJVL-WI
1010	WSPT-WI	1380	WTJK-WI		WRLS-WI	100.1	WDDC-WI
1090	WISS-WI	1400	WATW-WI	92.7	WDUX-WI	102.3	WBZ-WI
1150	WHBY-WI		WBIZ-WI	93.7	WEKZ-WI	105.3	WRLO-WI
1230	WIKB-MI		WDUZ-WI	93.9	WDOR-WI	106.3	WEVR-WI
	WCLO-WI		WRDB-WI				

Oakland Athletics 2001 Bill King, Ray Fosse, Ken Korach
(from "San Francisco Chronicle" 03/15/2001 [via Bob Pietsch])

790	KWSW-CA	1110	KAOI-HI nw	1410	KMYC-CA n	1490	KRKC-CA
950	KAHI-CA	1140	KHTK-CA	1430	KFIG-CA nw		KSYC-CA nw
960	KABL-CA *	1300	KPMO-CA	1440	KVON-CA	1560	KIQS-CA d
			KKJX-OR	1340	KTSN-NV nw	1450	KMCA-CA
970	KESP-CA	1350	KBID-CA nw		KVML-CA		107.7 KSRN-CA
990	KATD-CA	1380	KTOM-CA				

International League (from "Baseball America Almanac" via Ken Onyschuk)

Buffalo Bisons	1520	WWKB-NY	Jim Rosenhaus, Dick McGuire
Charlotte Knights	610	WFNZ-NC	Matt Swierad, Tommy John
Columbus Clippers	103.1	WSMZ---	Terry Smith, Gary Richard
Durham Bulls	620	WDNC-NC	Steve Barnes
Indianapolis Indians	1310	WTLC-IN	Howard Kellman, Brian Griffin
Louisville Riverbats	970	WGTK-KY	Jim Kelch
Norfolk Tides	1650	WHKT-VA	Rob Evans, John Castleberry
Ottawa Lynx		NONE	
Pawtucket RedSox	790	WSKO-MA	Dave Flemming, Andy Freed
Richmond Braves	910	WRNL-VA	Robert Fish, Rick Page
Rochester Red Wings	1280	WHTK-NY	Joe Castellano, Joe Altobelli
	1180	WHAM-NY	
Scranton Red Barons	1400	WICK-PA	Kent Westling
Syracuse Chiefs	620	WHEN-NY	Bob McElligott
Toledo Mud Hens	1470	WLQR-OH h	Jim Weber, Frank Gilhooley
	1230	WCWA-OH h	

Pacific Coast League (from "Baseball America Almanac" via Ken Onyschuk)

Calgary Cannons		NONE	
Colorado Springs	1240	KRDB-CO	Dan Karcher, Dick Chase
Edmonton Trappers	930	CJCA-AB	Al Coates (50 games)
Fresno Grizzlies	1340	KCBL-CA	Dennis Higgins (EE)
	1600	WGST-CA	Jess Gonzalez (SS)
Des Moines Iowa Cubs	940	KXTK-IA	Deene Ehls, David Raymond
Las Vegas Stars	920	KBAD-NV	Russ Langer
Memphis Redbirds	560	WHBQ-TN	Tom Stocker, Reggie Williams
Nashville Sounds	560	WNSR-NV	Chuck Valenchi
New Orleans Zephyrs	1450	WBYU-LA	Ken Trahan
Oklahoma (City) Red Hawks	930	WKY-OK	Jim Byers
Omaha Golden Spikes	1490	KOSR-NE	Mark Nasser, Ken McNabb
Portland Beavers		TBA	Bill Schonely
Sacramento River Cats	1320	KCTC-CA	John Doskow
Salt Lake City Stingers	1230	KWUN-UT	Steve Klauke
Tacoma Rainiers	1180	KLAY-WA	Mike Corto
Tucson Sidewinders	990	KTKT-AZ	Bret Dolan, Eric Thomas

- a = Both of these stations in Highland, IL probably split the schedule; I doubt that both broadcast all of the games.
- b = These stations are marked with an "*" in the Saint Louis Cardinals' list; I do not know the significance of the "*".
- c = The Tigers' list has "Toledo, OH" without a station call or frequency.
- d = Day games only
- e = This station broadcasts both the Chicago White Sox and the Saint Louis Cardinals.
- f = This station broadcasts both the Kansas City Royals and the Saint Louis Cardinals.
- g = This station broadcasts both the Chicago White Sox and the Chicago Cubs.
- h = The "Baseball America" list has 1470 WLQR; Mike Corcoran thinks it is 1230 WCWA-__.
- i = This station is in the Dale Park Rangers' list but not in the web list.
- j = This station on the Rangers' web page but not in the Dale Parks Rangers' list.
- k = This station is on the WXYT web page but not on the Dale Parks Tigers' list.
- l = This station is on the Dale Parks Tigers' list but not on the WXYT web page.
- n = Night games only
- w = Weekend games only

Motor Racing Network (MRN) Affiliates - via Mike Battaglini

Freq	Call	City	State	Freq	Call	City	State	Freq	Call	City	State
970	KANM	Modesto	CA	1250	WQHL	Live Oak	FL	1370	WYOC	Ocala	FL
540	WDAK	Columbus	GA	1260	WYD	Palatka	WI	1380	WRAB	Arab	IA
70	WDXN	Clarksville	TN	1280	KNBY	Newport	AR	1390	WVOW	Logan	WV
550	KGME	Phoenix	AZ	1290	WIRL	Peoria	IL	1400	KJOK	Yuma	AZ
70	WDEV	Waterbury	VT	1300	WIBR	Baton Rouge	LA	1410	WDOV	Dover	DE
560	WEEB	Duluth	MN	1310	KOKK	Keokuk	IA	1420	WACK	Newark	NY
70	KWTO	Springfield	MO	1320	WYUR	Bloomfield Hills	MI	1430	WNAV	Annapolis	MD
70	WGAI	Elizabeth City	NC	1330	WCCW	Traverse City	MI	1440	WMAX	Saginaw	MI
70	WHBO	Memphis	TN	1340	WYWR	Bloomfield Hills	MI	1450	WVLA	Muscle Shoals	AL
570	WAAX	Gadsden	AL	1350	WJGR	Jacksonville	FL	1460	WBET	Brookton	MA
70	WKYX	Paducah	KY	1360	WYWA	Wichita	KS	1470	KRAK	Sacramento	CA
70	WWNC	Asheville	NC	1370	WYLV	Lockport	NY	1480	WADR	Utica	NY
580	WKSK	West Jefferson	NC	1380	WYRI	Lenoir	NC	1490	WVND	Deland	FL
70	WKTY	LaCrosse	WI	1390	WYRK	Rapid City	SD	1500	WCHM	Clarksville	GA
590	KFNS	St. Louis	MO	1400	WYSL	Sylvania	GA	1510	WZOE	Pylvania	IL
70	WHLK	Lexington	KY	1410	WYTR	Afayette	LA	1520	WDBQ	Dubuque	IA
600	WCHT	Escanaba	MI	1420	WYWA	Wichita	KS	1530	WOMI	Owensboro	KY
70	WCVP	Murphy	NC	1430	WYWR	Wichita	KS	1540	WMRC	Milford	MA
70	KTBB	Tyler	TX	1440	WYWK	Harrisburg	PA	1550	WABJ	Adrian	MI
610	WSLC	Roanoke	VA	1450	WYWM	Radford	VA	1560	WGYM	Ocean City	NJ
70	KSKE	Vail	CO	1460	WYWB	Brooksville	FL	1570	WZBD	Elmira Hts.	NY
620	WTRP	LaGrange	GA	1470	WYWR	Wichita	KS	1580	WAZZ	Fayetteville	NC
70	WTMT	Louisville	KY	1480	WYWA	Wichita	KS	1590	WRMT	Rocky Mount	NC
70	WZON	Bangor	ME	1490	WYWR	Wichita	KS	1600	WBEX	Chillicothe	OH
70	WJDX	Jackson	MS	1500	WYWR	Wichita	KS	1610	WAZL	Hazelton	PA
70	WHEN	Syracuse	NY	1510	WYWR	Wichita	KS	1620	KYZS	Tyler	TX
630	WDGY	St. Paul	MN	1520	WYWR	Wichita	KS	1630	WIGM	Medford	WI
70	WIRC	Newton	NC	1530	WYWR	Wichita	KS	1640	WOSH	Oshkosh	WI
660	WESC	Greenville	SC	1540	WYWR	Wichita	KS				
680	WRGC	Syiva	NC	1550	WYWR	Wichita	KS				
70	WISR	Butler	PA	1560	WYWR	Wichita	KS				
690	KFXN	Minneapolis	MN	1570	WYWR	Wichita	KS				
70	WNNT	Warsaw	VA	1580	WYWR	Wichita	KS				
700	WLW	Cincinnati	OH	1590	WYWR	Wichita	KS				
70	KWLW	Salt Lake City	UT								
730	WUMP	Athens	AL								
70	WMNA	Gretna	VA								
760	WJR	Detroit	MI								
770	WVNN	Athens	AL								
780	WCKB	Dunn	NC								
790	WABE	Allentown	PA								
800	WAVY	Eau Claire	WI								
820	WVSV	Crewes	VA								
820	WXTN	Frederick	MD								
70	WWLZ	Elmira Hts.	NY								
840	WVPO	Stroudsburg	PA								
850	WJIT	Chicago	IL								
860	WRNZ	Danville	KY								
70	WSON	Henderson	KY								
880	WJNU	Highland	IL								
900	WJTH	Calhoun	GA								
70	KJAL	Fulton	MO								
70	WKDW	Staunton	VA								
910	WNHV	Claremont	NH								
70	WSTK	Jacksonville	NC								
70	WJCV	Gray	TN								
70	WRNL	Richmond	VA								
920	WGHQ	Kingston	NY								
70	WIRD	Lake Placid	NY								
70	WLIV	Livingston	TN								
930	WYNI	Bay Minette	AL								
70	KSEI	Pocatello	ID								
70	WHON	Richmond	OK								
70	WKY	Oklahoma City	OK								
70	WCNR	Bloomington	PA								
70	WTNR	Waynesboro	TN								
70	WVRC	Huntington	WV								
940	WINE	Brookfield	CT								
70	WTNZ	Miami	FL								
70	WGFP	Worcester	MA								
950	KXJK	Forrest City	AR								
70	KKFN	Denver	CO								
70	WGOV	Valdosta	GA								
70	WSPA	Spartanburg	SC								
70	WAKM	Franklin	TN								
960	WBSB	South Bend	IN								
70	WKVX	Wooster	OH								

1500	WDEN	Macon	GA	1540	WADM	Bluffton	IN	KQYX	Joplin	MO	KWBG	Boone	IA		
1510	WPUT	Brookfield	CT		WMCB	Martinsville	IN	WTOD	Toledo	OH	WCBC	Greencastle	PA		
	WVAC	Norwalk	OH		WTTY	Whiteville	NC	1570	WFLR	Dundee	NY	WPSN	Honesdale	PA	
	WAUK	Waukesha	WI		WBTC	Uhrichsville	OH		WPTW	Piqua	OH	WCAM	Camden	SC	
1520	WLUV	Loves Park	IL	1550	WCVL	Crawfordsville	IN		WNKX	Centerville	TN	1600	WBLY	Springfield	OH
	WMLM	St. Louis	MI		KAPE	Cape Girardeau	MO		WCLE	Cleveland	TN		WTFP	Tiffin	OH
	KRHW	Silkston	MO		WUTQ	Utica	NY		WYTI	Rocky Mount	VA	1650	KCNZ	Cedar Falls	IA
	WQCT	Bryan	OH		WAUX	Waukesha	WI	1580	WDRS	DuQuoin	IL	1690	WMDM	Lexington Park	MD
1530	WBYZ	Corry	PA	1560	WSQR	Plano	IL	1590	WQXN	Swainsboro	GA				

The MRN Web Site is: <http://www.mrnnet.com>. Check the site for the complete race broadcast schedule. All Winston Cup, Busch Grand National, and Craftsman Truck Series races (with the exception of those races staged in Atlanta, Bristol, Charlotte, and Sears Point, CA, which are carried on rival network, PRN) are aired on MRN.

Weekly Shows: "NASCAR USA" each Sunday at 9 AM ELT; "NASCAR Live" each Tuesday at 7 PM ELT; "NASCAR Today" and "Ned Jarrett's World of Racing" air Monday through Friday (times vary by affiliate)

"Monday Morning Race Refresher" airs every Monday morning (times vary by affiliate)

Is Your Coaxial Lead-In Actually an Antenna??

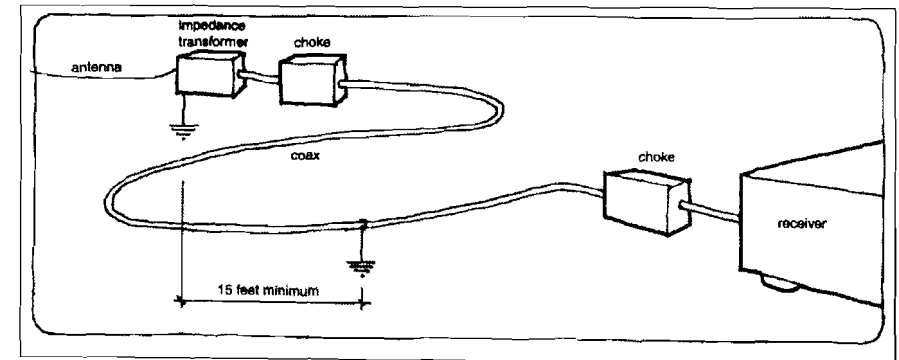
John H. Bryant with Bill Bowers

Like most SWBC and MW DXers, I've used coax cable "lead-ins" since such cable became commonly available in the 1960s. My main purpose was to shield the actual signal carrying conductor from as much noise as possible - mostly noise generated in and around my own home or that of neighbors'. Because my shack seems to always end up on the second floor, I've been far too informal about providing either RF grounds for the shield of the coax or electrical grounds for the equipment. In recent years, I've used only Beverage antennas for SWBC or MW DXing. I've sometimes worried that my lead-ins were not "sanitary" enough; that I was sacrificing some of the antennas' directivity through my slovenly behavior. But, hey! There were still very clear directional distinctions between my three or four semi-permanent Beverages, so why worry???

In recent months, I've fallen in love with the version of the K9AY antenna produced by Wellbrook Communications of Great Britain. It is highly directional and I've been having a blast on MW using its very cardioid pattern. Again, there was this niggling feeling of shame that my coaxes were not "sanitary." How much directivity was I losing, etc.? It wasn't an idle worry because the distance to the K9AY is about 100' and the distance to the confluence of the Beverages is over 250' from the shack!

Then I went DXing in the Pacific Northwest with Don Nelson of Beaverton, OR. When I inspected his beverages, I found that he was using a special configuration of RF chokes on the braid of the coax with a separate ground for the coax braid. He related that he had just read about this approach to sanitizing lead-ins in John Devoldere's *Low Band DXing* and had tried it on his last DXpedition. There, he had been able to do one A-B experiment where, without Devoldere's choke arrangement, all he heard on 5025 kHz. was the semi-local pest R. Rebelde. With the chokes in the lead-in, he was able to log the Australian on that frequency quite handily. Without the chokes, it seemed that energy from powerhouse Rebelde was either leaking into the coax by capacitive coupling between the outer braid and the central conductor, or that the somewhat lossy local ground wasn't working well enough to keep the lead-in "sanitary."

Another upshot of my conversation with Don was that I realized that Devoldere has completed a third edition of his book. I now know that John has retired and spent almost a year, full-time, rewriting and expanding his marvelous book. The Third Edition was published by ARRL in 1999. I was really



impressed with the result of John's dedication: almost double the size of the second edition and with MUCH more insight into antennas, etc. through extensive use of computer modeling. Further, John has written the most extensive and thorough discussion of Beverages and arrays of Beverages that I've ever read. Over 50% of the book is oriented to reception, so this Low Band "bible" is really useful to Tropical Band and MW DXers, too. Midway through Chapter 7, "Special Receiving Antennas," John wrote a section titled "Is Your Coaxial Cable a 'Snake' Antenna?" where he discussed the various causes of unwanted signals getting to the center conductor of cable and proposed the voltage-divider choke and ground arrangement that Don was using. (cf. Devoldere pp. 7-18 to 7-21)

TYPICAL CHOKE INSTALLATION

John used two chokes, one near the antenna/lead-in juncture and the other near the receiver, each made from 100 ferrite beads strung on the outside of the coax. The ferrite beads are each the size of a thick, large wedding band. The 100 bead chokes each provided the desired 1500 ohms of impedance at his frequency of interest, 1800 kHz. The impedance increases from there as frequency increases and decreases with lower frequency, proportionally, as well. The lead-in braid is grounded somewhere between the two chokes. I might note that John's illustration of the placement of the "receiver choke" is open to several interpretations in his drawing in the referenced section. This placement of the second choke as near the receiver as possible is what was intended.

The design of the choke that John uses, employing 100 ferrite beads, makes sense for someone interested in DXing only frequencies of 1800 kHz. and above. However, since I wanted to be able to DX down to the lower end of the LW broadcast band, say 150 kHz. Using John's design, I would need several hundred beads for each choke! Amidon currently sells the beads for just under 40 cents each, in one-dozen lots, or for 14 cents each if you purchase them in 1000 bead lots. Obviously, for LW and MW DXing, the choke design based on ferrite beads would be both very large and very expensive. Luckily, there is a rather obvious alternative design, also covered in *Low Band*: a choke wound from RG-174 mini-coax on a ferrite toroid core. The ferrite toroids cost less than \$4.00 each and a 100' reel of RG-174 is less than \$15. This was a much less expensive alternative for my needs.

At this point, I had just three questions: "Does my coax act like a 'Snake'?" "Are the choke design formulae to be trusted in this application?" and "What is the insertion loss of these chokes on the center lead-in itself?"

Snake Hunting

The 250-foot run of coax to the apex of my half-wagon wheel of beverages is particularly vulnerable to picking up unwanted signals. It runs through an unused pasture which sports waist high grass for half the year. Several years ago, I noticed that field rats had begun to feast on the covering of the coax, then lying on the ground. I decided to elevate the coax about three feet out of harms way rather than bury it, a configuration that invites picking up unwanted signals (and noise) on the coax. John Devoldere suggests testing for unwanted signal pick-up by leaving all grounds in place, removing the matching transformer from the far end of the coax and connecting the shield and the center conductor together at the far end. What you then hear at the receiver is the unwanted signal pick-up of your lead-in and grounding system. Checking this on the broadcast band is especially encouraged. I decided to run a test that seemed even more relevant to me: I simply removed the beverage antenna from the matching transformer and left the matching transformer and grounds in place, as well.

This is embarrassing, but I must report that my 250-foot coax lead-in to the beverages flunked this test, badly! On MW, I could make out programming on almost every channel, though most of the signals were weak, around S-2 or below. The three 50 kW stations in the state were about S-6. On the lower half of MW, I was also picking up a lot of 60-cycle hash. On long wave, the 60-cycle hash was even worse, of course. On the Tropical Bands, I only heard a few of the strongest signals, but on the 6 MHz. SWBC band, I could hear at least 20 signals. On all frequencies, I could hear lightning crashes. What does this all mean: at least on MW, the directional characteristics of my beverages were being compromised, more so on the channels with stronger semi-local stations. On all bands, the signal-to-noise ratio was being compromised rather badly, with the lead-ins picking up a good deal of 60-cycle hash and boosting the levels of lightning crashes. Poo!

I did not test my 80 to 100 foot lead-ins to the K9AY antenna because it is already packed away for transport to our summer place in the NW. I presume that the situation with it was not quite so bad, since the lead-ins were shorter and mostly lay directly on the ground.

Clearly, it was long past time to get serious about sanitizing my coax!

Choke Design and Testing

The design of ferrite toroid-based RF chokes of the type needed for this application is fairly straightforward. For my own DXing interests, it seemed to make sense to provide 1500 ohms of impedance (the minimum that Devoldere recommended) at 150 kHz. This would give me sanitary lead-ins from below the bottom of the long wave broadcast band upwards in frequency until the choke "ran out of legs" well above the Tropical Bands.

Before you can determine the number of turns needed for a particular choke design, you have to determine the inductance necessary to create the desired 1500 ohms of impedance at 150 kHz.

The formula for the inductance needed is:

$$X = 2\pi fL$$

where X = Reactance in ohms f = Frequency in kilohertz L = Inductance in millihenries
solving for $L = X/2\pi f = 1500/6.28 \times 150 = 1.6$ millihenries

So, the inductance needed to produce 1500 ohms impedance at 150 kHz. is 1.6 millihenries.

From there, you must turn to the technical data sheet provided by the ferrite toroid manufacturer, in this case, Amidon. Their data indicates that the number of turns through the toroid necessary to produce the proper impedance is:

$$N = 1000 \sqrt{L/A_L}$$

In narrative, this formula should be read: Number of turns required (N) is equal to 1000 times the square root ($\sqrt{\quad}$) of the Inductance (L) divided by the constant A_L .

I decided to use Type 75 ferrite material (the one recommended by Devoldere, also) and selected the size FT-140. The toroid is 1.4 inches in diameter, with the toroid wall being about .5 inches wide by .25 inches thick. The A_L figure for this toroid in Type 75 material is 6736. This figure is found in a table contained in the Amidon technical sheet, as well. The turns count comes out to be 16:

$$N = 1000 \sqrt{1.6/6736} = 15.4 \text{ turns, use 16 turns}$$

After fabricating a number of these, I'm happy to report that 16 or 17 turns is about as much RG-174 coax as you can close wind in a single layer on the FT-140 toroid. It makes a neat installation.

Here are three designs using popular toroids:

Toroid	Turns
FT-140-75	16
FT-114-75	22 (Not sure that this is physically possible with RG-174 coax)
FT-114-43	52 (Physically impossible with RG-174 coax)

Testing Impedance

Testing was done at Bill Bowers' workbench, using a H-P Variable Frequency Impedance Bridge for impedance measurements and a laboratory-grade signal generator and voltmeter to measure insertion loss of the chokes.

FT-140-75 with 19 turns of RG-174

Bill had designed this choke to serve his interests in long wave DXing. Therefore the lowest frequency, used for the design, was 100 kHz. The results:

Frequency	Impedance
100 kHz	1500 ohms @ +89 deg.
250 kHz	4200 ohms @ -80 deg.
500 kHz	10,000 ohms @ +60 deg.
1000 kHz	15,800 ohms
2000 kHz	6700 ohms
5000 kHz	4100 ohms

Comment

Bill was able to perform impedance tests above the frequency range (500 kHz. and below) of his HP Impedance Bridge on this core in a less sophisticated but accurate way. The impedance of the choke peaking near 1000 kHz (in this case) and then slowly decreasing is related to the magnetic properties of the ferrite (μ , eddy currents, etc.) interacting in rather complex ways. However, since the impedance curve of this choke measured about as expected, Bill felt it was unnecessary to perform the rather cumbersome tests above 500 kHz. on similar chokes. Note: This design would be very satisfactory for DXers who listen to LF broadcasters, MW and tropical SWBC bands.

FT-140-75 with 16 turns of RG-174

We then tested the same toroid with 16 turns as in the design example above. The results were very similar to Bill's 19-turn choke.

FT-140-75 with approximately 32 turns of RG-174

Finally, we tested an FT-140 with as many turns as it is possible to put through the center of the toroid, approximately 32. The results:

Freq	Impedance
100 kHz	4000 ohms @ +90 deg.
250 kHz	20,000 ohms @ +65 deg.
500 kHz	17,000 ohms @ -60 deg.

Z(maximum) was at 350 kHz where $z=40,000$ ohms

Comment:

Technically, the 32-turn choke was "too many turns" resulting in the core becoming saturated. However, the practical effect of the saturation is nil, since the purpose of a choke is to be "lossy." Impedance would continue downwards with frequency, but should be far above the required 1500 ohms at even 10 MHz.

Insertion Loss

Bill and I checked the insertion loss of each of these chokes at 1 MHz. and 5 MHz. Happily, the insertion loss of each of them, along with two bead chokes that we checked, fell in the 0.2 to 0.3 dB range, probably attributable to the BNC connectors on the coaxial cable. Thus, the insertion loss of these devices may be ignored.

Are the Snakes Out of the Antenna?

Well, mostly! With the same set-up of lead-ins but with the two chokes and a new shield ground in place, the 60-cycle hash was completely gone (hallelujah!) and the lightning crashes seem reduced by 90 percent, or so, tho' that is very hard to judge. The signals that were formerly present on MW are simply gone from the lower 2/3 of the band, except for my local 250 watt daytimer on 780 kHz. which is located less than a mile from me. Its signal had been reduced from about S-6 to around S-2. There are still a few of the strongest signals present at VERY low levels above 1200 kHz. and on Tropical Bands. This may be the result of a less than perfect ground on the coax braid. I used a single 18 inch long rod into somewhat moist soil. I'm eventually going to significantly improve the grounds of the impedance transformers and the coax shield ground, too... maybe I can drive the last few snakes outta my coax.

Still, the improvement with the two chokes and the simplest grounding of the coax shield is tremendous! I look forward to much quieter and more effective antennas for an investment of under \$20.00 per antenna.

Overall Remarks

If one is interested in DXing the Tropical Bands and or the 160 Meter amateur radio band or above, exclusively, the multiple ferrite bead design is probably a bit superior to the choke wound on a ferrite toroid. However, if the intent is to DX frequencies as low as medium wave or long wave, then the ferrite beads design would require several hundred beads per lead-in. This would be prohibitive both physically and financially. Amidon charges 14 cents per bead, if bought in 1000 bead lots.

For the generalized case extending to the lower reaches of long wave, an approach based on for the generalized case starting at the lower end of the long wave band and extending to 6 or 7 MHz., an approach based on ferrite toroids, each costing about \$4.00, wound with RG-174 coax seems by far the most practical.

Personally, I'm using toroid-based chokes with 15 to 20 turns of RG-174 on them and they work just fine!

Musings of the Members

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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.

Michael Hawk - Boulder, CO

Here I am at yet another new address (6 address in the last 5 years). I just recently moved from the Silicon Valley out to Boulder, CO for my job. I'm currently a technical research director in the internet infrastructure industry. It was my choice to make the move, so I jumped on it! Anyway, I haven't had much of a chance to DX so far, but have observed that the local Boulder stations seem to overmodulate worse than any of the San Jose stations ever did. The CU station also stays on full power at night consistently. So, you can apparently lump Boulder/Denver in with all of those other markets where stations routinely operate outside of license bounds. Additionally, I was one of the 115000+ who went to the NAB conference in Las Vegas last April. This was a work related trip, so my focus was primarily on the internet media delivery side instead of traditional broadcasting. It was still a good experience, though, and definitely interesting from my job's perspective. 73's

Mike Sanburn - P O Box 1256 - Bellflower, CA 90707-1256 (mikesunburn@hotmail.com)

Hello! DX this past season has been SLOW here, much TVI, and not the greatest conditions in the

world. I did manage to log WTIR-1080 just before the advent of Radio Disney in Souther CA. I've been reading about the CHUM format change to sports (I'll take oldies anyway). I was lucky enough to log CHUM here in SCA back in the 70's. I also bagged CJNB-1050 on an old RCA table radio. These days, it seems that KTCT-1050 is a bit power hungry at night, even blocking out XED, XEG & XEBCS. I will be hosting this years combination IRCA/Decalomania convention Aug. 24-26 in St. Louis, MO. I decided we needed something in the midwest and the event will be the weekend before the NRC convention in Pittsburgh (which I also hope to attend). If you're into DXing, collecting stickers and airchecks, touring stations or just having a good time, you're invited. The hotel is the Best Western Airport Inn on Natural Bridge Road near I-70 & I-170. Their toll free daytime phone number for reservations is 1-800-872-0070, mention convention rate, up to 4 can share a room at the same price. Continental breakfast, parking, swimming pool are all free! American Airlines is offering a 10% discount to travellers who can book 60 days in advance (5% after), their special number for reservations is 1-800-433-1790 (authorization code 4981AK). Registration fee is \$35 payable to me at the above address. I hope to see a large number of radio fans supporting each of this summers conventions. Good DX - 73

Phil Boersma - 15570 Cleveland Street - Spring Lake, MI 49456

As I write this on 3/30/01, half of the AM stations licensed to Muskegon Heights/Muskegon, MI are off the air due to blown transmitters. 3 of the 4 stations in the licensed metro: WGVS-580, WMUS-1090, WKBZ-1520 and WMHG-1600. WKBZ went off 3/9 and WMHG went silent 3/29. Fortunately for WMHG-1600, its owned by someone who is getting them a new transmitter and this should be back by the time you read this. WKBZ-1520 may not be so lucky, its owned by a local corporation which has been bankrupt since 1998. What its fate will be is probably much more in doubt. In both cases, however, the stations were victims of massive facilities neglect over the past decade (in WMHG's case, it was from previous owners). It seems there are too many owners who have operated too close to the edge when it comes to maintenance of such things such as transmitters and antenna systems. At some point, duct tape and alligator clips just won't keep those old rigs on the air! Good maintenance can keep a transmitter humming for a long while, I know of one station which is doing just fine with a 19060's vintage Collins 1000 watt rig, but maintenance must be attended to, something that isn't happening at too many stations nowadays. I have one local with a brand-new, spiffy solid state transmitter that is putting out all kinds of crud in its sidebands (40khz either side of the carrier frequency) simply because no one cares. All kinds of money is being poured into the FM, and as long as the AM is putting out a carrier with some kind of modulation (even crappy sounding, distorted square waves), they just don't care, its a real pity. 73 (Good point Phil, I've seen it happening for the past 20 years. Many factors come into play, mostly \$\$\$\$ to keep a huge AM directional going. I recently ran into a situation where a station was running day pattern day and night but just cutting back the power at night. After 3 weeks, it's back on night pattern at the right power level when it's suppose to be; the old owner felt it wasn't important to fix! Maybe I can put something together in the form of an article of what its like to be a CE from both a corporate position to a contract engineer (been there, done BOTH!).-DWS)

Ron Bailey - 420 Community Road - Shelby, NC 28152

It's hard to believe I've been retired 5 years already as of 5/1. Have enjoyed being able to do a lot more DXing as a result. Lately, I've been losing sleep, but it has paid off with some new graveyarders (total 183) and quite a few domestics. Besides getting up before sunrise every morning to catch top of the hour ID's, if I happen to wake up in the middle of the night and its 5 or so minutes before the top of the hour, I stagger to the listening post and see what I can bag! (Dedication, Ron!-DWS) I began DXing at this location 4/92 with a Realistic DX400 and seven 550 ft. long beverage antennas. By May, I had switched to an Icom IC765 amateur rig which has a general coverage receiver. I upgraded to a Drake R8A 1/96 and have since run my domestic total from 1115 to 1401, not counting 51 LA's and SA's. Best catch lately was CFFR-660 on 3/19. It seems there are so many stations off frequency lately that I've had to put a Timewave DSP-9 in line to get rid of the heterodynes! Recent solar activity hasn't severely affected the MW frequencies here but VP8CMT in the Falkland Islands was worked on 6 meters SSB (50.140 mhz) on 4/11 during one solar event. In March, ALMERRIMAN and I represented the NRC at the Kulpville GTG. It was pretty well attended (200 or so) and Al actually allowed as to how he may have enjoyed himself! I probably won't attend Pittsburgh this year, but will go to the Shelby Hamfest, which is a big one. I may venture to St. Louis for the IRCA Convention the weekend before, however. I'll share some DXing memories in my next Muse! Very 73 (and thanks for checking in Ron, we'll look forward to your memory reports!—DWS)

DWS