

DX News

Serving DXers since 1933

Volume 70, No. 26 - May 19, 2003 (ISSN 0737-1659)



Inside ...

2 .. AM Switch

4 .. DDXD

15 .. IDXD

20 .. Target DX

22 .. Kahn and AM fidelity

23 .. Formats

25 .. Musings of the Members

26 .. GYDXA-1230

30 .. Professional Sports Nets

32 .. Broadband; Why Worry?

33 .. Community Radio in India

34 .. Geomagnetic Summary

35 .. Let's Go To "Big D"!

AM Switch to gain new editor ... As most members probably realized, Jerry Starr recently retired from umpteen years as PD at WHOT, during which he also edited AM Switch. He also has decided to retire from AMS, and Bill Hale has stepped up to take over AMS from Jerry ... pending a volunteer to take over his duties as DDXD-West editor.

So ... we're now accepting, *via e-mail*, applications for the editorship of DDXD-W. We'd prefer that the new editor reside in DDXD-W land, or in the Central/Mountain/Pacific time zones. Please forward your applications to me at <<plsBCBDXER@aol.com>>. Apps will be accepted until we find the most qualified individual, and of course Jerry will continue to edit AMS until the DDXD-W post is filled.

We salute Jerry for his many, many years of service to the NRC and DXN, although that service is far from over, as Jerry will continue as a member of the NRC BoD. And thanks to Bill who will continue exercising his talented fingers as AMS editor.

From the Publisher ... Ernie Wesolowski called late in April to let me know that former member Rollin Lindblade passed away recently. Our sincerest condolences to Rollin's family.

I hoped you were able to dodge all of the record number of tornadoes during the month of May this year, as I was. I've even started out with the best garden I've ever had here, due to some very timely rain. But in spite of negative DX conditions, there's still plenty of DX opportunities out there ... check out the "holes" in GYDXA for you to fill, for example.

While I have a little more time between issues this summer, I try to think of ways of improving DXN. And I'd appreciate any suggestions you might have for new columns, improvements in existing columns, etc. I can also give you a little teaser now: expect some big changes and additions in NRC offerings in time for the next DX season.

One feature I'd like to consider reviving is the NRC Contests, which has had a checkered past.

We've had editors who have simply disappeared ... seasons where few members have bothered to enter ... rules and regs which were impossible to understand and follow and seemed to change every issue ... and perhaps unscrupulous entrants who "padded" entries to win the paltry prizes we offered. Nevertheless, a well-run contest is an excellent way to increase one's DX'ing time, and hats off to Ginnie Lupi for a sort-of contest, the target frequencies which increased contributions exponentially (are you done with those finals, yet, Ginnie?). So I'd entertain ideas and offers and volunteers for future NRC Contests; I have on hand photostats of past contest rules if anyone is interested.

We're a few months away from the station test season, so now is the time for you to job down target lists of stations for Ron Musco to sent query letters to. Not only that, I'm sure he'd welcome a little help; if you have any local connections with radio stations which might lead to a CPC test, contact the station(s) and Ron. At the very least, I'd be happy to mail sample copies of DXN to potential new members at any radio station.

GTG's at a glance ... IRCA/Decalomania: South Portland, ME, June 27-29: contact mikesanburn@hotmail.com.

WTFDA: Batavia, NY, July 11-13: scott@fybush.com.

DX Time Machine

From the pages of DX News:

25 years ago ... from the May 15, 1978 DXN: Randy Tomer, McKinleyville, CA was still hearing hot foreign DX, with catches like various stations from Australia, 620, 760, 830, 1210-Hawaii, 660, 880, 1000-New Zealand, 780, 870, 890, 1000, 1010-Japan, 844-Tarawa, 1030-Solomon Islands, 1206-Indonesia, 1525-USSR, and 1555-Philippines.

10 years ago ... from the May 31, 1993 DXN: The *Cape Cod Times*, Provincetown, MA profiled the DX'ing habits of Ernie Cooper, opening the story with "For the past 61 years, Ernest Cooper has been awake at 2 a.m." ... Ernie Wesolowski reported that KHAT-1530 Lincoln went silent on April 30 and that KOIL-1290 was for sale.

AM Switch

Jerry Starr jerry@nrcdxas.org
161 Fox St.
Hubbard, OH 44425-2122

Status changes in AM stations, supplied by the FCC and listeners

CALL LETTER CHANGES

	<u>Old call</u>		<u>New call</u>
610	WAGG	AL	Birmingham WEZN
620	WTGH	SC	Cayce WGCV
700	KWLW	UT	North Salt Lake KALL
720	*New	NY	Dewitt WVOA
890	*New	ID	Meridian KQXI
910	KALL	UT	Salt Lake City KWDZ
920	KLOC	CA	Ceres KVIN
920	KTOC	LA	Jonesboro KMGG
950	KKLF	TX	Denison KYNG
970	WWIT	NC	Canton WOXL
990	WNTY	CT	Southington WXCT
1020	KKSC	NE	Plattsmouth KOIL
1050	WMMA	WI	Eau Claire WDVM*
1090	WJKM	TN	Hartsville WTNK
1180	KOIL	NE	Bellevue KYDZ
1200	WINK	FL	Pine Island Center WPTK
1240	WTLQ	FL	Fort Myers WINK
1240	WGCV	VA	Petersburg WROU
1310	KBTK	NM	Corrales KKNS
1340	KGLW	CA	San Luis Obispo KYNS
1350	*New	UT	Fillmore KNFL
1390	KVIN	CA	Turlock KLOC
1400	WHTR	NY	Albany WAMC
1420	WPBI	FL	Delray Beach WFFL
1440	*New	ID	Pocatello KBET
1450	*New	CA	Blue Lake KCIK
1450	WSPB	FL	Sarasota WSRQ
1450	*New	SD	Pierre KSQP
1490	*New	AL	Level Plains WIRB
1490	*New	TN	Lebanon WCKD
1520	*New	GA	Eatonton (experimental) WK4XVQ
1560	*New	MO	Hollister KBCV
1620	WPNS	FL	Gulf Breeze WBUB

*Note: WDVM-1050 change to WMMA was set aside; station remains WDVM

APPLICATIONS FOR NEW STATIONS

570	GA	Garden City: 500/500 U4 (application modification)
890	CO	Fountain: 5500/500 U5
1100	MN	Dilworth: 50000/1000 (4000 CH) U2

GRANTS FOR NEW STATIONS

1490	TN	Lebanon: 1000/1000 U1 (do not confuse with existing application for Lebanon. NH also on 1490 kHz)
1520	GA	Eatonton: 250/250 U1 experimental station, undefined purpose

APPLICATIONS FROM EXISTING FACILITIES

570	WKBN	OH	Youngstown: 5000/5400 U2
660	KSKY	TX	Balch Springs: 2700/100 U1 for auxiliary purposes
700	KALL	UT	North Salt Lake: 50000/10000 U4
980	KCAB	AR	Dardanelle: 5000/23 U1
990	WLEE	VA	Richmond: modify CP to show 3600/1350 U4



All Radio, a supplement to the DX Audio Service, replaces the After Dark series. Now available on two C-100 tapes, you'll find an interview with Dave Graupner, CEO of TM/Century, about the radio and TV jingle business ... John Bowker with an article on how Clear Channel Radio's competition are starting to copy what they do ... Ken Onyschuk with an article about jazz radio in Chicago ... John Malicky giving us a tour of 540-CBEF (CBC French) in Windsor Ontario ... Mark Durenberger telling about some CBS Milestones ... John Bowker on about FCC rules and regulations ... Fred Vobbe talking about D.R.M. ... A story about a group of people that are trying to get ads pulled out of the Russ Limbaugh show ... From N.P.R., a piece on the consolidation of radio and old time radio ... How Del Rio, Texas, is proposing to give Wolfman Jack a tribute with a large statue ... Fred Vobbe with two stories on EAS fines and regulations, and finally, on the entire side second side of tape 2, Fred talks with Leonard Kahn, of Kahn Communications about digital MW radio. Order Item ART-1. U.S.A Price \$5.00; Canada \$7.00; Overseas \$9.00. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.

1110	WFCG	LA	Franklinton: to 1100 kHz with 30000 (10000 CH) D1 (modifies application shown last issue)
1320	KSDT	CA	Hemet: 1000/280 U4
1420	KUJ	WA	Walla Walla: 5000/930 U1
1440	KTNO	TX	Denton: 9000/350 U4
1480	WPWC	VA	Dumfries-Triangle: 5000/500 U4
1520	WVOZ	PR	San Juan: 25000/25000 U3



DALLAS/FT. WORTH
KMKI AM 620
ABC Owned & Operated

GRANTS TO EXISTING FACILITIES

820	WNYC	NY	New York: 10000/1000 U4
950	WPET	NC	Greensboro: 540/41 U1
1080	WFTD	GA	Marietta: 50000 (30000 CH) D6
1110	KAOI	HI	Kihei: relocate transmitter (shares site with KUAU-1570)
1330	WMOR	KY	Morehead: 800 D1
1340	KYNS	CA	San Luis Obispo: 790/790 U1
1390	WNIO	OH	Youngstown: modify CP to show 9500/4800 U2
1480	*New	VA	Glen Allen: modify CP to show 6300/1500 U4
1500	KIEV	CA	Burbank: to Culver City, CA with 50000/4300 U4 (new station not on the air)
1510	WEAL	NC	Greensboro: 820 (200 CH) D1

OTHERNESS

570	WVMI	MS	Biloxi: SILENT (moved operations to 1640 kHz)
720	WSIV	NY	East Syracuse: CP to move here from 1540 kHz CANCELED
820	KTMG	CO	Deertrail: CP to move here from 1370 kHz CANCELED
890	*New	NM	Bernalillo: CP CANCELED
930	KYAK	WA	Yakima: CP for 10000/127 U1 is on
940	WGRP	PA	Greenville SILENT
960	WPRT	KY	Prestonburg: silent station is ON THE AIR
960	WKVN	PR	Quebradillas: SILENT
970	WOXL	NC	Canton: silent station is ON THE AIR
1000	WRAR	VA	Tappahannock: CP for 300 D1 is on
1050	WPLC	MD	Silver Spring: silent station is ON THE AIR
1090	KNUZ	TX	Bellville: SILENT
1150	KCUV	CO	Englewood: silent station is ON THE AIR relaying KNRC-1510
1150	WTMP	FL	Egypt Lake: CP for 10000/500 U4 is on
1210	WDGR	GA	Dahlonega: silent station ON THE AIR with "transmitter tests"
1230	WABN	VA	Abingdon: SILENT
1260	WI2XSO	PR	Mayaguez: new sychro for WISO Ponce is on
1270	KPBA	AR	Pine Bluff: SILENT
1270	WXYT	MI	Detroit: CP for 50000/50000 U4 is on from new site
1310	KFVR	CA	Crescent City: silent station is ON THE AIR
1310	WGH	VA	Newport News: CP for 20000/5000 U4 is on
1390	WNIO	OH	Youngstown: CP for 9500/4800 U2 is on (new XR site)
1410	WIQR	AL	Prattville: silent station is ON THE AIR
1450	KAVP	CO	Colona: CP for 1000/1000 U1 from new site is on
1450	KMMS	MT	Bozeman: CP to relocate transmitter is on
1460	KTFW	TX	Waco: SILENT
1490	WRLA	GA	West Point: silent station is ON THE AIR
1510	WJKN	MI	Jackson: silent station is ON THE AIR relaying KTGG-1540
1540	WRSM	AL	Sumiton: SILENT
1560	WRSJ	PR	Bayamon: SILENT
1570	WGLL	IN	Auburn: silent station is ON THE AIR
1640	WTNI	MS	Biloxi: new station is ON THE AIR
1660	WWRU	NJ	Jersey City: CP for 10000/10000 U2 is on

CANCELLED LICENSES

Once again, Wayne Heinen has run a check of the FCC Database with the NRC Log Database and has uncovered more licenses that no longer appear in the FCC files. All the stations we questioned in Issue #11 appear to be gone. Here is a new list. If you live near any of these stations and find that they are still on the air please let us know.

730	KTRY	LA	Bastrop
-----	------	----	---------

840	KCKC	AK	Long Island
840	KRKL	CA	Yountville
1030	KIOQ	CA	Folsom
1240	KFSH	AK	Seward
1310	KMYX	CA	Taft
1340	KETO	ID	Rupert
1340	KTMP	UT	Heber City
1490	KPLT	TX	Paris
1580	WPUV	VA	Pulaski
1590	WGYJ	AL	Atmore



Citadel Broadcasting Company

KKFM • KKMG • KSPZ • KVOR • KBZC
Tiffany Square, 6805 Corporate Drive, Suite 130, Colorado Springs, CO 80919

The FCC Database is NOT without errors. Some of the internet DX reflectors are filled with rumor and conjecture disguised as fact so we're not interested in third-party information. But if you hear any of these stations on the air WITH YOUR OWN EARS and are POSITIVE of the ID please let us know.

THANKS: Bill Hale, Wayne Heinen, Ed Krejny, Shawn Axelrod, Paul Crane, Dave Braun, Herb Newberry, Patrick Griffith and Les Johnson

Jerry & BKF

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

Domestic DX Digest

West: Bill Hale w_r_hale@sbcglobal.net

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

East: Ginnie Lupi ginnie@nrcdxas.org

PO Box 4014 - Clifton Park, NY 12065-0850

(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

- Recent tornadic storms ripped through Oklahoma, Missouri, Arkansas and Tennessee toppling several broadcast towers, including WTJS-1390 Jackson, Tennessee, along with many FM towers.
- **Tim Cuprisin**, writing in the *Milwaukee Journal-Sentinel*, did a piece on ethnic radio recently. He listed the following Milwaukee-area radio stations as carrying some sort of ethnic programming: "WRRD-540 - The Christian radio station airs 'St. Sava Serbian Orthodox Cathedral Radio Hour' at 7 a.m. Sundays, 'The Croatian Hour' at 5:30 p.m. Sundays and 'Sabor Latino' at 7 p.m. Sundays; WEMP-1250 - The station, which carries mostly religious programming, airs Hmong programming at 8 p.m. Mondays and Thursdays and 6:30 p.m. Sundays. It has Spanish programming at 7 p.m. Fridays, 10 and 10:30 p.m. Saturdays and 3 p.m. Sundays. WEMP carries two German programs: 'Stimmung Stunde' at 10 a.m. Saturdays; and 'Continental Showcase' at 4 p.m. Saturdays and Sundays. The Polish show 'Pod Nogi' airs at 9 a.m. Saturdays; WMCS-1290 - You can hear the bilingual Spanish music program 'Ritmos del Caribe/Rhythms of the Caribbean' at 7 p.m. Saturdays; WRJN-1400 - The Racine station broadcasts the 'The Serbian Hour' at 9 a.m. Sundays and a live 'Voice of Italy' at noon Sundays." All times, of course, are Central.
- Lo and behold, after several months we have Graveyard DX Updates to report. Thanks to **Jeff Falconer** and **Tim Hall** for the new records. See them later in the column.
- "It appears that the KJME-1390 application to move their transmitter site 13 miles north and diplex into one of the 450 foot towers of KLZ-560 has been granted. The CP calls for a day power reduction from 5000 to 1300 watts and a night reduction from 139 to 59 watts. The owners of KJME also have a CP for a new station on 870 in Pierce, Colorado with the assigned call of KJMP. Rumor is that KEZZ-1470 in Estes Park may get one of the country's first ultra-short Kinstar AM antennas. If the FCC gives their approval KEZZ may install the 40-foot Kinstar this summer to help resolve a long on-going battle between the station and local politicians over the relocation of the KEZZ antenna" - PG-CO; "Just a quick business trip to Dallas on short notice. Only had an hour or two to DX in the evening, plus a bit in the car radio while we ran back and forth. Conditions were awful both nights." - TRH-CA; then, after returning from a trip to Arizona, **Tim** expounds: "I really enjoy DXING from Tombstone. There are no local stations and very little electrical noise or slop to contend with. The conditions were completely different this time. Last time they favored the north, this time they favored ENE-NE (NM/TX), and conditions to Mexico were better too. In eight nights

of DXING there over the last three years, I've already logged about 325 stations including 55 graveyarders."

- According to the latest FCC figures, there are 4804 licensed AM stations operating in the U.S.A. and possessions.
- We're into the non-weekly schedule, so here are the deadlines for the remainder of Volume 70: Issue 27 - June 5; Issue 28 - July 3; Issue 29 - July 31; and Issue 30 - Sept 4.

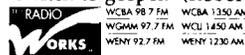
REPORTERS (and a fine group they are)

- BA-CO **Brian Avery Fruits** Sangean ATS-404 receiver, with Radio Shack Loop <yamsi531@msn.com>
- RA-CA **Rene Auvray** DXING in Los Angeles '97 Ford Crown Vic with Jensen Plus Tuner
- RD-NE **Rick Dau Omaha** Sony ICF-2010 + Quantum Loop antenna <rdau1965@yahoo.com>
- MG-ID **Mark Griffin Boise** GE SR III + Select-A-Tenna <jmarkgriffin@yahoo.com>
- PG-CO **Patrick Griffith Westminster** Drake R-8 and Kiwa loop <AM-DXer@webtv.net>
- TRH-AZI **Tim Hall Tombstone** ICF-2010, Kiwa Loop, Marantz tape recorder, Intermatic timer, lousy Toyota car radio <halls@inetworld.net>
- TRH-AZ2 **Tim Hall Ajo**
- TRH-CA **Tim Hall on the road in California**
- TRH-TX **Irving on business trip** ICF-2010, internal antenna, Delco car radio
- DKK-CA **Don Kaskey San Francisco** Drake R8A Kiwa Air Loop <kaskeyfamily@yahoo.com>
- JEL-MO **J.E. Lewis Kansas City** Sony ICF-2010
- PAL-MN **Paul LaFreniere Grand Marais** <plafren@boreal.org>
- PAL-MN1 **Paul LaFreniere Grand Marais** Chevrolet pickup radio while parked at Coast Guard Station North Superior
- KO-IL **Ken Onyschuk Joliet** '87 Nissan Stanza caradio
- JJR-WI **John J. Rieger South Milwaukee** Icom IC-R75, Kiwa loop, MFJ-959B tuner-preamp or GE Superadio III with Terk AM1000 loop <johnrieger@webtv.net; http://DX-midAmerica.com; http://DXMW.com>
- KR-AZ **Kevin Redding Mesa** Sony ICF-2010 barefoot; CCRadio that was nekkid as the day it was born <amfmdx@fastq.com>
- DS-TN **Doug Smith W9W1 Pleasant View (Nashville)** <w9wi@earthlink.net>
- MS-MB **Morris Sorensen Winnipeg** DX-392 "barefoot" <mosor@shaw.ca>
- JV-KY **John Vervoort Murray** Yacht Boy 400PE barefoot
- JW-CO **John Wilkins Wheat Ridge** Drake R-8, 4-foot box loop <peakbagger3@juno.com>
- Ed-TX **Editor North Richland Hills** DX-398 barefooted

STATION NEWS & NOTES

- 570 **WVMI MS Biloxi** - Has gone silent, as its programming moves to WFNI 1640. (DX-midAmerica.com)
- 700 **KALL UT North Salt Lake City - 5/7 0300-0305** - With ABC News. Noted ID at 0305: Call 700 is here. KMBX-CA was QRming severely at the time. Ex: **KWLW (DKK-CA)**
- 860 **KBEE UT Salt Lake City** - Will drop Radio Disney, which will move to 910. (100000watts.com)
- 900 **WATK WI Antigo** - Goes standards/ABC Soft Oldies // WACD 106.1. Ex: classic country/Jones. (Upper Midwest Broadcasting at <http://www.northpine.com/broadcast/index.html>)
- 910 **KALL UT Salt Lake City** - Will flip to Radio Disney and change calls. (100000watts.com)
- 1010 **WSPT WI Stevens Point** - Has dropped its sports/ESPN segments, and is now all-talk. (Roger Frost in the Stevens Point Journal via Radio/DX Information from Wisconsin)
- 1020 **KOIL NE Plattsmouth - 4/30 2159** - C&W music, Coil Country slogans. Legal ID at 2201:20. Poor in auroral conditions, but good on subsequent nights and early mornings. Ex: **KKSC (JW-CO)**
- 1020 **KOIL NE Plattsmouth - 5/3 0605** - The country music you love, KOIL (pronounced 'coil') Country, 1020. New call; ex: **KKSC (PG-CO)**
- 1140 **KCXL MO Liberty - 5/4-5/5** - Noted off the air, presumably due to the tornados which came through the area. (JEL-MO)
- 1150 **KCUV CO Englewood - 4/28 2000** - Noted back on tonight after being dark since 2/11. Programming // to KNRC 1510. No mention of 1150 on the air. IDs for

- KNRC only. No IBOC noted although that is supposedly forthcoming. Perhaps this is testing. KSAL audible under the night signal here in the north suburbs. (PG-CO)
- 1150 KNRC CO **Englewood - 5/8 0235** - Atop, with ads and 303 Area Code numbers. Back to Laura Ingram show with sub Michael ?? filling in. More ads from **0245-0248** with many mentions of CO, then at **0247:30** two KNRC IDs during station promos. Turned loop every direction & found KNRC atop at all times. KXTA far below. In the 80s this station used to pop in regularly. Ex: KCUV. (DKK-CA)
- 1170 KJOC IA **Davenport - Switches to talk** as *Supertalk 1170*; ex: sports and *K-Jock*. (Radio/DX Information from Wisconsin <<http://www.angelfire.com/wi/dxing/#head>>
- 1180 KWDZ NE **Bellevue - 5/4 0700 - Radio Disney programming**, with occasional local inserts. Legal ID at **0758**, sounding like *AM 1180 KYDZ Bellevue-Omaha*, then more Disney. Good signal through most of the hour, although ID was partially garbled - pretty sure call is KYDZ, ex: KOIL. (JW-CO) [It's KWDZ - Ed.]
- 1250 WSPL IL **Streator - Goes standards**; ex: talk. (DX-midAMerica.com)
- 1260 WLGS AL **Birmingham - 5/6 - Now Talk** // WYDE 101.1 Cullman. Ex: standards. (100000watts.com)
- 1340 KYNS CA **San Luis Obispo - 5/5 0300** - Calls heard clearly through/over the mush. KCBL QRM for one. Ex: KGLW. (DKK-CA)
- 1370 WLJ IL **Lincoln - Now these calls**, matching those of new simulcast partner WLJ-FM 89.7 Springfield. (100000watts.com)
- 1390 KVIN CA **Turlock - 4/25 - Has swapped** calls with KLOC-920 Ceres, California and the 'new' KVIN is now programming regional Mexican // KRVR-105.5; ex: smooth jazz. (100000watts.com)
- 1390 KXSS MN **Waite Park - Was scheduled to change their format to sports** on May 12, using programming from Clear Channel's FAN Network. This will be the network's first non-Clear Channel station. KXSS' current Classic Country format (from Jones Radio Network) debuted last March. (Radio/DX Information from Wisconsin <<http://www.angelfire.com/wi/dxing/#head>>)
- 1450 KFSD CA **Escondido - Changes to a classical format**; ex: oldies. (All Access)
- 1450 WDXR KY **Paducah - 4/26 - Has returned to the air**. Now sports/ESPN. (100000watts.com)
- 1490 KBUR IA **Burlington - 4/28 - Now oldies**; ex: talk/AC. (100000watts.com)
- 1500 WGEN IL **Geneseo - 4/19 - Is now news-talk**, with CNN News on the hour on May 1, and has moved its studio back to Geneseo. (Radio/DX Information from Wisconsin)
- 1540 WRSM AL **Sumiton - Has gone silent**. (DX-midAMerica.com)
- 1570 WBEE IL **Harvey - Is dropping its jazz format** after the pending sale from Mariner Broadcasters to Great Lakes Radio-Chicago, and will switch to gospel. (Robert Feder in the Chicago Sun-Times)
- UNIDs and UNID HELP**
- 1150 UNID ?? - 4/27 0735 - *Big Band Jump* program. Web site lists no affiliates on 1150. (TRH-AZ1)
- 1190 UNID ?? - 5/3 2115 - Good, with *AM 1190 Radio Disney*. No call letter ID. (PAL-MN1) [The Log lists KPHN Kansas City as being Disney, and their new proposed 2 kW night pattern would favor you. Maybe it's on? - Ed.]
- 1230 UNID ?? - 4/27 0910 - Ad for Fountain Green, north of the 540 in (Platteville?). Mixing with KEXO. (TRH-AZ1)
- 1240 "KENG" ?? - 4/26 0458 - ID sounded like *Classic Country KENG*. (TRH-AZ1)
- 1240 "KVCS" ?? - 4/26 0259 - ID sounded like *1240, KVCS, Pinezone*. (TRH-AZ1)
- 1260 UNID ?? - 4/25 0445 - Ad for Martinson's Boat Showroom, mixing with XEWGR. (TRH-AZ1)
- 1270 UNID ?? - 5/3 0949 - SS music with announcer mentioning *familia* many times. Moderate reception. From the States or Mexico? (RA-CA)
- 1290 UNID ?? - 4/28 0926 - Mentioning *Radio Disney* into a Top 40 song. QRM from KFRN. No IDs. Who? (RA-CA) [KKDD San Bernardino - Ed.]
- 1400 "KSFR" ?? - 4/26 0006 - ID sounded like *AM 1400, KSFR, Fremont*. Can't find anything



P.O. Box 1047, Corning, NY 14830

- that matches. (TRH-AZ1)
- 1450 UNID ?? - 4/24 2336 - All three nights I noted a station running CNN News. (TRH-AZ1)
- 1450 "KNEY" ?? - 4/25 2359 - ID on tape really sounds like "KNEY." (TRH-AZ1)
- 1450 UNID ?? - 4/27 0215 - Commercial for farm products included the phrase... *the one company in Temple*... Maybe KCYL-TX? (TRH-AZ1)
- 1490 UNID ?? - 4/29 0307 - A capella SSB by male vocal group. Looped north. (TRH-AZ2)

TIS & OTHER STUFF

- 890 TIS TX **De Soto - 4/21 1946** - City TIS with fair signals. I haven't found De Soto on any maps but it must be near Dallas. (TRH-TX) [DeSoto is a far-south Dallas suburb just west of I-35E - Ed.]
- 1250 WPHG284 TX **Duncanville - 4/21 0142** - City TIS, mentioned city web site at www.duncanville.com. (TRH-TX)
- 1570 KAMP AZ **Tucson - 4/26 1925** - Pretty good signals as we drove near the ASU Campus. Mostly hip-hop music. (TRH-AZ)
- 1610 WPSE479 CA **Needles - 4/28 2154** - CalTrans HAR with road conditions for I-40 in the Needles area. Note: Message format and woman's voice are identical to WPSG912 Mountain Pass, California, that many of us have been hearing lately. The only real difference is the substitution of *I-40 in the Needles area* for *I-15*. (TRH-AZ2)
- 1610 WPBE828 UT **Panguitch-Red Canyon - 4/27 2327** - Station is running a full tape loop again, mostly mentioning Bryce Canyon and Highway 12. Note: It is especially easy to mistake this station for the Bryce Canyon station (KOP798) because it now mentions the other Bryce station on 1590. Mixing with westernmost Zion National Park station (Virgin-La Verkin, Utah). (TRH-AZ2)
- 1620 WPMV714 TX **Lewisville - 4/21 0111** - City TIS with news about city projects and local public access TV station "LVTV". Slogan *WPMV radio 1620 on your radio dial*. (TRH-TX)
- 1640 (WPLR660) TX **DFW Airport - 4/20 2300** - Airport TIS not noted while I was in town. 1680 station is still on, no signs noted. (TRH-TX) [Station has been off since, at least, August of 2002. See TIS note in Volume 69, Issue 29. Arrivals and departures are now all on 1680 - Ed-TX]
- 1660 UNID AZ **Tucson - 4/26 1926 - Warrior Radio 1660 AM, Blues School** is located at the Pueblo Magnet High School, where students are learning to use state-of-the-art radio automation equipment. Blues music and PSAs (stay in school, etc.). Good signal covering most of the city. (TRH-AZ)
- 1670 WPIW244 TX **Farmers Branch - 4/21 0742** - "Farmers Branch information radio" here now, ex 690, with weather and other info. (TRH-TX)
- 1680 TIS TX **Dallas - 4/21 1030** - New TIS for Downtown Dallas Improvement District, mentioning events in downtown Dallas. Surprised they would put this station on the same channel as the big airport TIS. (TRH-TX)
- 1690 WTUA401 IL **Aurora - Relays NOAA weather radio 162.425** for Chicago and South Suburbs from a building here. On since January of this year, at least. Accidentally heard it while at the Arena Auto Auction in Bollingbrook. Now I hear it well from my daughter's home in Oswego. Also can hear the weather station on 530 kHz from Rockford mixing with area TIS stations. (KO-IL)

REGULAR DX LOGGINGS (times in ELT)

- 550 KCRS TX **Midland - 5/3 0722 - Dr. Dean Edell** program. ID as *News Talk 550, KCRS*. (PG-CO)
- 610 KSKE CO **Vail - 4/26 2255** - Poor, with TLK. Splatter from local KJOL on 620. *Colorado Radio Network* and ad for Sonnenalp Resort of Vail. Lost to QRM and splatter at 2258. (BA-CO)
- 610 KDAL MN **Duluth - 4/12 2338** - Good with *News Radio 610 KDAL* ID in promo for old-time radio program *Imagination Theater*. (RD-NE)
- 610 KNML NM **Albuquerque - 4/26 2248** - Fair, with sports talk and ads. Splatter from local KJOL-620. Station was slowly replaced by KSKE-610. (BA-CO)
- 610 KVNU UT **Logan - 4/27 0700** - With ABC News, an ID and the *Glen Hagy Handyman Show*. Rare this year. (KR-AZ)

630 WMAL DC Washington - 2/24 0500 - Poor, but atop, with WMAL Washington, an ABC Radio Station, into ABC News. New. (DS-TN)

630 KFXD ID Nampa - 4/27 0715 - Playing classic country with ID AM 630 KFXD. Rare this year. (KR-AZ)

630 KSLR TX San Antonio - 2/26 0700 - Poor, in mess, with AM 630 KSLR. (DS-TN)

650 WSM TN Nashville - 5/2 2313 - Poor, with Ernest Tubb tune, Accu-Weather forecast, and ad for The Party Place store. Signal faded into KMTI at 2320. New east-of-the-Mississippi catch! (BA-CO)

650 KMTI UT Manti - 5/2 2320 - Poor, with C&W. The longer you listen, the more you hear, with country KMTI, Manti. WSM underneath. (BA-CO)

670 KBOI ID Boise - 5/3 2253 - Fair, with The Rusty Humphrey Show. You're listening to Saturday Night America. Weak unID Arabic station underneath - possibly KIRN (only Arabic station that I know of on 670). (BA-CO)

690 KGGF KS Coffeyville - 4/17 2229 - Fair, with the Jim Bohannon Show. 690 KGGF ID, and commercials for Carter Automotive. (BA-CO)

760 KFMB CA San Diego - 4/24 0055-0105 - Fair-to-good, with end of new Alan Colmes Show featuring Radio Graffiti. Followed by CBS News with a Sears commercial. (MG-ID)

770 KKOB NM Albuquerque - 4/24 0050-0055 - Poor-to-fair, with The Savage Nation. Talking about CNN's mismanagement of news. Slogan: SAVAGE. (MG-ID)

780 WZZX AL Lineville - 4/2 2038 - Mention of being // 95.5 FM and Listen to the Rick and Bubba Show in the morning followed by a country tune. Heard Real Country and another C&W tune at 2043. Over/under WBBM and an unID station. Log lists as a 5 kW daytimer; second time heard at night. (JV-KY) [Their monthly average LSS time in April is 2015, so they seem to be running a bit late - Ed.]

790 KURM AR Rogers - 4/28 0753 - Almost seven solid minutes of ads and PSAs with numerous local business and agency mentions. One ad, for (what sounded like) Norm's Tire Shop in Bentonville, located on "Walton" Street or Avenue across from Wal-Mart Headquarters, was ad-libbed live and the announcer stumbled through the entire piece. A one-minute Oklahoma news brief at 0755. Finally, a nice legal ID at 0759:30 with two other cities mentioned in the AM ID while the FM ID also mentioned three cities, then into the CBS World News Roundup. Many Kurm mentions. Another newbie here. [Ed.-TX]

790 KSPD ID Boise - 5/3 0425 - J. Vernon Mc Gee and Through the Bible. BoH ID. NEW! #725. (KR-AZ)

790 KGHL MT Billings - 4/26 2313 - Good with 75th anniversary promos and IDs. (TRH-AZ1)

790 KGHL MT Billings - 5/3 0420 - Playing Friday Night Blues by John Conlee. (KR-AZ)

790 KFYO TX Lubbock - 5/3 0400 - Ad for CBS-TV program, then into George Noory and Coast to Coast. (KR-AZ)

830 WCCO MN Minneapolis - 5/3 0020 - Fair, with SPT: Vancouver vs Minnesota hockey game post-game show. You've been listening to the Minnesota Wild Radio Network and The news station - WCCO, with traffic and weather on the 8's IDs. (BA-CO)

840 WHAS KY Louisville - 5/2 2330 - Poor, with news. PSA for smoke detectors and how to order the Life Safety Management Plan. Second new east-of-the-Mississippi catch that night! (BA-CO)

840 KTIC NE West Point - 5/3 0430 - C&W into Nebraska farm news. In KXNT null. NEW! #726. (KR-AZ)

890 KLFF CA Arroyo Grande - 5/3 0432 - Decision Today religious program. (KR-AZ)

890 KDXU UT St. George - 4/29 2200 - Poor, with ABC News. Ad for OasisResorts dot com. Program that was monitoring a local computer goods/services auction, eBay-style. Station suddenly disappeared at 2215 (day/night power still the same?). (BA-CO) [Power is always 10 kW, but their night pattern is directly away from you as the null is toward Chicago - Ed.]

890 KDXU UT St. George - 5/3 0435 - We rule the night with George Noory, KDXU. (KR-AZ)

940 KIXZ TX Amarillo - 4/26 2226 - Good, with Common Sense Radio with Ollie North (substitute host, of course). News Radio 940 - KIXZ and The Talk of Amarillo ID at 2230. PSA for avoiding insurance fraud. This is the first time I've caught them since they switched to a talk format. (BA-CO)

950 KMTX MT Helena - 4/26 0659 - Fair, with Abba's Fernando, then taped ID by male: It's time to break for news and weather on Nine-Five-Oh KMTX, Helena, Montana. Unusual to hear fifty pronounced as five oh, rather than in its normal manner. (RD-NE)

960 KZIM MO Cape Girardeau - 4/21 2048 - Fair, with local ads and News Radio 960 KZIM slogan, then weather. New. (PAL-MN)

980 KFVB CA Los Angeles - 4/28 0702 - Fair with NWS. News Radio 980, KFVB ID and ad for Diamonds Direct. NEW! Usually poor reception of KSVC here. (BA-CO)

980 KSVC UT Richfield - 4/24 2258 - Good, with SPT. Announcement for Sports and More after ABC News. (BA-CO)

1000 KKIM NM Albuquerque - 5/3 0443 - Playing religious choral music. (KR-AZ)

1000 KOMO WA Seattle - 5/3 0440 - With news about terrorism in Israel. Fairly rare here this season. (KR-AZ)

1020 KINF NM Roswell - 5/3 0704 - ABC News, then At four minutes past the hour KINF presents another hour of uninterrupted music from the past 60 years. Combination of OLD and NOS. Fighting it out with KOIL at near equal signal strength. (PG-CO)

1030 KTWO WY Casper - 4/25 0623 - Fading in and out, with what sounded like one of the trucker programs to a nice KTWO Casper ID at the :30 break. I was hoping for Boston, but will gladly take Wyoming. This was wa-a-ay before Casper's LSR. New from here. [Ed.-TX]

1030 KTWO WY Casper - 5/3 2150 - Good with football: Wyoming Cavalry vs Billings Outlaws. Ad for a burger place and . . . the Cavs on K2 Radio at 2153. Big signal. No sign of WBZ. (PAL-MN1) [A Google search reveals The Wyoming Cavalry played the Billings Outlaws on May 3rd at Billings. Seems they are an arena football team in the National Indoor Football League. Other NFL teams are: Bismarck Roughriders, Utah Warriors, Sioux Falls Storm, Omaha Beef, Lincoln Capitols, Sioux City Bandits, and the Rapid City Red Dogs. Games seem to be on Saturday nights - Ed.]

1100 KFNB AZ Cave Creek - 5/3 0500 - Opening up with SSB, full ID and station info at sign-on and into The American Advisor with Joe Battaglia. Not DX for me but SSB is rare today and perhaps someone can use this info. (KR-AZ)

1140 CHRB AB High River - 4/27 0740 - Southern Alberta's Family Station playing Anne Murray to fill Can-Con requirements. Canadians are rare here. (KR-AZ)

1150 KSAL KS Salina - 4/29 0027 - Local ads including Geary Community Hospital. (TRH-AZ2)

1160 WKCM KY Hawesville - 4/18 2222 - Fair, under KSL with a mention of . . . Western Kentucky in a weather forecast, then a KCM ID and back to C&W music off the satellite. (RD-NE)

1160 WKCM KY Hawesville - 5/3 2136 - Good with ID: 1160 WKCM Real Country, into Marty Robins song. (PAL-MN1)

1180 KOFI MT Kalispell - 5/3 ABC News to 0505 ID and slogan Good Time Oldies, KOFI. (KR-AZ)

1200 KFNB ND North Fargo - 4/28 0715 - Poor, with Breakpoint with Chuck Colson. You're listening to light talk 1200, KFNB ID. Lost to usually-present WOAI at 0722. New. (BA-CO)

1210 KUNF UT Washington - 4/25 2235 - Fair, with NOS/OLD. This is the place for the music you love, unforgettable 1210 ID at 2245. NEW! They must've still been on daytime power, as KGYN usually dominates here. Abruptly disappeared at 2250, with KGYN . . . your station for severe weather taking over. (BA-CO)

1230 KEXO CO Grand Junction - 4/26 0529 - Ad for Rocky Mountain Subaru on US 6 and 50. Surprised to hear a few English ads on this Spanish language station. (TRH-AZ1)

1230 KKPC CO Pueblo - 4/27 0159 - Colorado Public Radio programming and ID. (TRH-AZ1)

1230 KFNB NM Las Vegas - 4/27 2305 - New Mexico's Fun Country slogan noted often. (TRH-AZ2)

1230 KLVT TX Levelland - 4/27 0205 - faded up nicely for ID KLVT AM 12-30 in Levelland. (TRH-AZ1)

1240 KSLV CO Monte Vista - 4/28 0858 - Livestock news, ID . . . you're listening to KSLV. (TRH-AZ2)

10
1240 KAMQ NM Carlsbad - 4/27 0259 - Noted often with contemporary Christian music, finally caught the ID. (TRH-AZ1)

1240 KALY NM Los Ranchos de Albuquerque - 4/29 0909 - Albuquerque's Radio Disney AM 1240. (TRH-AZ2)

1240 KRAL WY Rawlins - 5/5 0859 - Legal ID (FM/AM) and into ABC News. Fair in pile. (JW-CO)

1250 KNEU UT Roosevelt - 4/29 2115 - Fair, with C&W. *Battle of the Classics* program, where listeners would call in to vote for songs in a countdown format. Promo for *www.realconcountryonline.com* and ad for *Imperial Auto* in Vernal, Utah. (BA-CO)

1260 KKSA TX San Angelo - 4/25 0722 - Ads for *San Angelo Water Service* and *Mitchell Pontiac-GMC*. (TRH-AZ1)

1260 KPOW WY Powell - 4/27 0812 - Playing C&W. Heard an ad for the grand opening of a plumbing supply and ads for other places around Powell before fade-out. New! for #722. (KR-AZ)

1270 KTFI ID Twin Falls - 5/2 2350 - Poor, with Fox Sports. *KTFI - We talk all day and play all night; just the right mix of news, talk, and sports.* New! (BA-CO)

1270 KTFI ID Twin Falls - 5/3 2306 - Spot for a jewelry store in Twin Falls, call ID and back to ESPN program at 2307. Fair. (JW-CO)

1270 KGNM MO St. Joseph - 5/3 2255 - Poor in QRM with . . . *Great Christian Radio*, KGNM . . . 36 watts! (JW-CO)

1270 KRVT OK Claremore - 5/3 2300 - . . . *KRVT Claremore-Tulsa, the only station in town with America's ?? music*, then CNN News. 26 Watts! (JW-CO)

1290 KWLS KS Pratt - 4/28 0725 - Fair, with C&W. *Global Agricultural Weather* and ad for an investment in a Garnet, Kansas ethanol plant. *Visit Wichita* ads. Lost to an unID talk station at 0735. (BA-CO)

1320 KYHN AR Fort Smith - 5/4 2258 - Spot for Cancun getaway (cruise), dual KWHN/KYHN ID at 2259:50, followed by ABC News. Fair. (JW-CO)

1320 KKSM CA Oceanside - 5/3 0956 - 1940s-style music, ad for a San Diego business, *Comet 1320 KKSM*. 1320 *Oceanside* ID, into another 1940s song. QRM from KWKW-1330. First time heard. (RA-CA)

1340 KOLE TX Port Arthur - 4/21 2335 - Fair with *Fox News 1340-1380* running // KRCM-1380 Beaumont. (TRH-TX)

1360 KPXQ AZ Glendale - 4/29 2140 - Fair, with REL. Sound bites and commentary on *President Bush's* April 29 speech. Severe fade at 2150, but came back in time to catch *Today's Christian Radio*, 1360 KPXQ ID at 2152. (BA-CO)

1360 KPXQ AZ Glendale - 4/30 0958 - Slowly fading, with KPXQ *Glendale-Phoenix, a service of Salem Communications*. KPOP QRM. (RA-CA)

1360 KBUY NM Ruidoso - 4/28 0227 - Ad for local florist, weather for Ruidoso and Cloudcroft. Gets out well. (TRH-AZ2)

1360 KKTX TX Corpus Christi - 4/26 0558 - *Clear Channel News Radio 1360, KKTX Corpus Christi*. (TRH-AZ1)

1380 KTKZ CA Sacramento - 4/25 2222 - Poor, with *Laura Ingram*. *For talk and news*, 1380, KTKZ ID at 2230. Much QRM from unID C&W. (BA-CO)

1400 KRVZ AZ Springerville - 4/29 0458 - *Your station for good-time oldies*, KRVZ *Springerville-Eagar, AM 1400*. (TRH-AZ2)

1400 KFTM CO Fort Morgan - 4/27 0705 - Farm product ads, agriculture news, and ID. (TRH-AZ1)

1400 KART ID Jerome - 4/28 0224 - *Real Country, cart AM 1400*. (TRH-AZ2)

1400 WGIL IL Galesburg - 4/24 2343 - Atop, with local ad and a clear *Galesburg Radio 14*, WGIL ID. (RD-NE)

1400.3 KCHS NM Truth or Consequences - 4/26 0951 - Local ads, still off frequency about 300 Hz. Remember when we used to have an FCC that woke up every few years and took care of stuff like this? (TRH-AZ1)

1400 KTNM NM Tucumcari - 4/25 0115 - Country music and ID: *Keep it right here on AM 1400, KTNM*. (TRH-AZ1)

1400 KREW TX Plainview - 4/25 0106 - ID and satellite oldies programming. Slogan: *Good Time Oldies 1400 crew*. Format change; ex: Tejano. (TRH-AZ1)

1400 KVRP TX Stamford - 4/24 2359 - Faded up nicely for ID *KVRP AM 1400 Stamford*. (TRH-AZ1)

1400 KSRR UT Provo - 4/29 0907 - *The home of your favorites*, 1400 *K-Star*. (TRH-AZ2)

11
1440 KMED OR Medford - 4/15 0820-0830 - Three anchors mentioning news, sports, and entertainment. Station ID as was fading into QRM. First-timer. (RA-NV)

1450 KLMX NM Clayton - 4/25 0922 - Fair with ads for a local bank (*Cattlemen and Stockmen's Bank?*) and a furniture store. (TRH-AZ1)

1450 KSEL NM Portales - 4/27 0106 - Good with local ads including one for the *Roosevelt County Telephone Cooperative*. (TRH-AZ1)

1450 KSNY TX Snyder - 4/24 2340 - Contemporary Christian music, *Playing the best of today's Contemporary Christian music, Life 14-50 AM*. Noted several times over the next few nights. (TRH-AZ1)

1460 WXOK LA Baton Rouge - 5/3 0640 - Good with black gospel music and a clear AM 1460, WXOK ID. (RD-NE)

DX Doctor-Approved FREQUENCY CHALLENGE - 1480 kHz

1480 WRDW GA Augusta - 3/5 0500 - Poor, under WPFR, with brief ID. New. (DS-TN)

1480 WPFR IN Terre Haute - 3/5 2000 - Good, with brief ID. Presumably WPFR is the one normally dominant with religious MOR music across the top of the hour, but this is the only hour they bothered to ID during my 60-second recording window. (DS-TN)

1480 WRDW 1480 AM ALL SPORTS

1480 WHVO KY Hopkinsville - 3/6 0918 and many other times - A daytime semi-local with *Oldies Radio* and frequent IDs. (DS-TN)

1480 KHCK TX Dallas - 4/25 0713 - Bilingual morning show, IDs mentioned KHCK 99.1 FM. (TRH-AZ1)

And Now Back To Our Regularly-Scheduled Programming

1490 KWAC CA Bakersfield - 4/29 0856 - Good with *La Nortena* slogans. Had been running brokered Gospel programming the night before. (TRH-AZ2)

1490 KMET CA Banning - 4/28 0300 - With ID at ToH after several minutes of soft jazz. (DKK-CA)

1490 KOWL CA South Lake Tahoe - 4/24 0936 - Weak, with KOWL 1490 *South Lake Tahoe*, then into news. Lots of QRM including an unID SS station. (RA-NV)

1490 WZOE IL Princeton - 4/18 0200 - Poor, with legal ID and into CBS News. (JJR-WI)

1490 KRTN NM Raton - 4/24 2331 - Good, with ID and local talk with host *Jennifer Stagg*. Mixing with KZZN and XECJC. (TRH-AZ1)

1490 KBST TX Big Spring - 4/24 2305 - Good with ad for *Allen's Furniture* in downtown Big Spring. KZZN was usually on top, but this station was noted several times as well. (TRH-AZ1)

1510 KFNN AZ Mesa - 5/1 2207 - Fair, with the *Bruce Williams Program*. Much complaining about the cost of *President Bush's* flight to the *USS Abraham Lincoln*. Severe fade at 2213, but returned. (BA-CO)

1520 WKWH IN Shelbyville - 4/28 0700 - Poor, with *Classic Hits WKWH, Shelbyville* out of nowhere and back to oblivion. Possibly my unID of 12/30/02. (JJR-WI)

1540 KXEL IA Waterloo - 5/2 2301 - Good, with REL. *The Apocalypse is Coming* sermon (that's tape #1087, yours for \$10). *The power source - 1540, KXEL, Waterloo/Cedar Falls* ID. (BA-CO)

1540 KZMP TX Fort Worth - 4/5 2107 - Emergency Alert System report of dangerous weather and hail storms in Denton County, followed by tones and back into Mexican tunes. New. (JV-KY)

1550 KUAZ AZ Tucson - 4/29 2127 - Fair, with NPR *Marketplace* program. IDs for 1550 *KUAZ Tucson* and *KUAX-FM 89 point 1*. Caught station sign-off at 2200. (BA-CO)

1550 WJIL IL Jacksonville - 5/1 0007 - Presumed to be one here. Poor, but in briefly despite horrendous conditions, with nostalgia, mentions of *Music of Your Life* and *Star 1550* slogan. This is the only MoYL station listed on 1550 and slogan fits. "Cheating" on day power? (MS-MB)

1570 WCLE TN Cleveland - 4/25 2112 - Fair, with *Your home for solid gospel music*, 1570 *WCLE and Solid gospel all day long* on 1570 *WCLE* heard at 2116. New. (PAL-MN)

1580 WKKD IL Aurora - 4/28 0650 - Poor, with legal ID // *WONX-1590*. (JJR-WI)

1580 KRZI TX Waco - 4/26 2215 - *Rangers vs Yankees* play-by-play. Ad for local carpet company. Full ID at 2245 with mention of *Central Texas* and ending with *You're tuned to News Talk Radio 1660 and 1580 AM, KRZI*. Should have been on 500 Watt night power at this time. I tried the 1660 outlet and it was unheard. (PG-CO)

12
1640 WTNI MS Biloxi - 4/14 2259 - Good, with Jim Bohannon Show, a local ad, and an ID as Talk Radio 1640 WTNI, Biloxi. (RD-NE)

GRAVEYARD DX UPDATE

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

						Miles			
1230 kHz:									
KLVT	TX	Levelland	Tim Hall	Tombstone, AZ		465			
1240 kHz:									
KDGO	CO	Durango	Tim Hall	Ajo, AZ		444			
1340 kHz:									
WENT	NY	Gloversville	Jeff Falconer	Clinton, ON		363			
1400 kHz:									
KFTM	CO	Ft. Morgan	Tim Hall	Tombstone, AZ		*685			
KVRP	TX	Stamford	Tim Hall	Tombstone, AZ		606			
Totals:			1230	1240	1340	1400	1450	1490	Total
Tim Hall		Tombstone, AZ	12	10	8	0	7	8	55
Tim Hall		Ajo, AZ	9	8	9	6	6	6	44

Remember all the GY DX records are on line at: www.angelfire.com/tx2/phantom2/index.html

DDXD-East

Guest Editor: Bruce Conti

- MB-ON Mike Brooker, Toronto - **Panasonic RF-2200, Grundig YB-400PE.**
- BC-QC Bogdan Chiochiu, Montreal - **Sanyo MCD-S830, Phillips and Panasonic portables.**
- PC-VA Perry Crabill, Winchester - **Drake R8, Kiwa Loop, 100' wire.**
- JF-ON Jeff Falconer, Clinton - **AOR AR7030+, pair of 130' Ewe antennas, MFJ-1026 phase box.**
- HH-PA Harry Hayes, Wilkes Barre - **Superadio II, Kiwa Pocket Loop.**
- DH-NJ Dave Hochfelder, New Brunswick - **Sony ICF-2010, Quantum QX Pro.**
- RJ-NC Russ Johnson, Lexington - **Grundig S-350, RS DX-398, Palstar R-30C, longwires, Quantum Loop.**
- JR-NY Jim Renfrew, Byron - **Drake R8, longwires, Quatum Phaser.**
- DT-JMC Don Trelford, Runaway Bay - **Kenwood R2000, longwire NS-EW.**



Station News

1270 WXYT MI Detroit - 4/17 1942 - Announcing it is now 50,000 watts. Blasts in here day and night now! (JF-ON)

Presumed and unID

- 1040 WPBS GA Conyers - 4/12 1842 - Religious talk; K. Hagen Ministries, Joyce Myers, good until cut to night power at 1848. (DT-JMC)
- 1270 WRLZ FL Eatonville - 4/6 1919 - Religious music in Spanish, poor, interference from WNOG. (DT-JMC)
- 1370 WKJF MI Cadillac - 4/2 2048 - Local hockey game, Port Huron mentioned, part ID as "Sports Network," poor under WCOA. (DT-JMC)
- 1690 KDDZ CO Arvada - 4/12 2202 - Poor; Radio Disney stuff on west wire. (JF-ON)

Station Loggings

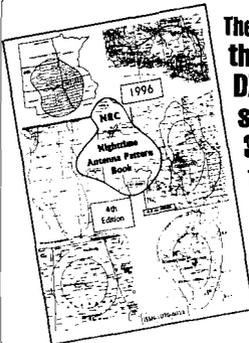
- 730 WKDL VA Alexandria - 4/9 1900 - Spanish programming. At TOH, "Esta es Radio Capital, WKDL" with call letters given in English. Was WBZS with business programming in 1998. (PC-VA)
- 950 WWJK SC Monks Corner - 4/11 0730 - Multiple "WJK" IDs and Imus radio program. (RJ-NC)
- 1060 WJKY KY Jamestown - 4/22 1955 - Alone with C&W music, "Number one country, WJRS Jamestown-Lexington," AP News. AM calls not given, just calls of FM sister. (JF-ON)
- 1070 CBA NB Moncton - 5/4 0200 - CBC ID, mention of "...public radio from around the

- 1110 WUHN MA Pittsfield - 4/17 1920 - Good; C&W music, call ID, PSA for the U.S. Coast Guard. (JF-ON)
- 1130 WRRL WV Rainelle - 4/16 2145 - "Glorious Gospel, AM 1130, WRRL Rainelle." (RJ-NC)
- 1240 WBES WV Charleston - 4/18 2300 - "AM 1240, WBES, Fox Sports Radio." (RJ-NC)
- 1230 WHUC NY Hudson - 4/21 2007 - Poor in mess; "The music of your life on WHUC" into NOS music. Only second time heard here. (JF-ON)
- 1270 WKZT KY Fulton - 4/6 2130 - "AM 1270 WKZT," surfaced briefly over a rare appearance by WCBC. (RJ-NC)
- 1320 CKEC NS New Glasgow - 5/04 0207 - Playing "Here I Am" by Bryan Adams. Very strong and clear signal with relatively minor interference from WATR. (BC-QC)
- 1320 CJMR ON Mississauga - 4/30 0000 - Good in a jumble; carrying Arabic music, top of the hour call ID. New (405). (DH-NJ)
- 1330 WSPQ NY Springville - 4/17 2000 - Poor; "Western New York's sports leader, WSPQ Springville," into scores from ESPN. (JF-ON)
- 1340 WENT NY Gloversville - 4/24 2005 - Briefly on top with WENT Comprehensive News, item about a bank robbery in Amsterdam. New! (JF-ON)
- 1360 CKBC NB Bathurst - 5/4 0141 - Pop music, the sound treatment of the audio accentuated the beats of the songs. Very strong, over/under increasing interference from an unID NOS station. (BC-QC)
- 1370 WDEF TN Chattanooga - 4/17 2031 - Call letters WDEF popped up in a mess which included Atlanta Braves game. (RJ-NC)
- 1380 WAOK GA Atlanta - 4/23 2020 - Poor; promo for Atlanta Falcons football, two call IDs heard. Not heard here for many years. (JF-ON)
- 1380 WNRI RI Woonsocket - 5/4 1930 - Break in "Fightback," then ID. Ad for The Blue Onion at 1933 with featured Black Angus Burger. Fair with many others. (HH-PA)
- 1390 WNIO OH Youngstown - 5/4 2028 - Now with Fox Sports Radio, slogan "When you think sports, think WNIO." Good signal. (HH-PA)
- 1390 WVAA VT Burlington - 5/4 1936 - Good; ad for "All American Country Calendar" with address given as 1 Main St, Rimouski VT, then I believe they went into NASCAR coverage. (HH-PA)
- 1410 WDOV DE Dover - 4/29 0000 - Good; in dogfight with NHL game between Anaheim and Dallas presumably on WPOP. Top of hour call and city ID with local ads, then into CNN news. New (404). (DH-NJ)
- 1410 WNWZ MI Grand Rapids - 4/17 2330 - Fair; Spanish tropical music, a couple of ads in English mentioning Grand Rapids. Rare here because of CKSL. (JF-ON)
- 1410 WING OH Dayton - 4/23 2359 - Over CHKT-1430 slop with Volunteers of America PSA, ID as "1410 WING Dayton, a Radio One station," into ESPN sports at top of hour. (MB-ON)
- 1420 WACK NY Newark - 4/23 0000 - Good; carrying Yankees vs. Angels, top of hour call ID. This is also presumably the station carrying ESPN and CNN news that I've been hearing for the last several nights. New (403). (DH-NJ)
- 1430 WXKS MA Everett - 5/4 1944 - ID consisted of mention of many artists, then, "...they're still all on WXKS." Loud with others. (HH-PA)
- 1450 WWHS NY Glenn Falls - 3/4 2200 - Heard two songs, one NOS and the other one light pop with announcements between these songs followed by short ads, then legal ID followed by ABC news. Generally strong and atop as this had been the case all week when checking. The recent solar disturbances made the GY channels very clear generally speaking. (BC-QC)
- 1460 WWWG NY Rochester - 4/25 0700 - Top of hour ID, "1460 AM Three-W-G, WWWG Rochester" into local weather, fighting off pesty CJOY daytime groundwave. (MB-ON)
- 1480 WYZE GA Atlanta - 4/12 0712 - "Forty-six degrees on the outside at Atlanta's gospel station, 1480 WYZE." (RJ-NC)
- 1490 WECM FL Milton - 4/7 2147 - Religious talk show, brief ID as WECM, fair. (DT-JMC)
- 1560 WBYS IL Canton - 4/18 0741 - Fair; mention of the Canton Presbyterian Church, ad for Wells Fargo, "Weather from the WBYS news room." New! (JF-ON)
- 1570 WSCO WI Appleton - 4/12 2021 - Briefly atop with "Fox Sports Update" on "The Score,"

- (JF-ON)
- 1580 WSNE KY Georgetown - 4/30 0725 - Ads for hearing testing in Lexington, KY locations. (RJ-NC)
- 1580 WTTN WI Watertown - 4/20 2253 - Alone with song by the Supremes, "For the best oldies of all time, keep it tuned to The Moose 1580, WTTN Watertown," into CNN news. (JF-ON)
- 1590 WNTS IN Beech Grove - 4/18 0720 - Good; gospel music, traffic info mentioning construction on the east side on 56th Street. (JF-ON)
- 1590 WPVL WI Plateville - 4/18 0722 - Poor over WNTS briefly with oldies and "Cool Oldies, WPVL" ID. (JF-ON)
- 1600 KCRG IA Cedar Rapids - 4/18 0812 - Briefly over KATZ with "The KCRG Forecast." (JF-ON)
- 1600 KATZ MO St. Louis - 4/18 0810 - Good; promo for "The 3rd Annual Easter Treasure Hunt" sponsored by "Gospel 1600, KATZ." (JF-ON)
- 1640 WTNI MS Biloxi - 4/12 2306 - NBC News with sports; poor copy behind WKSH null. Heard "Radio 1640, WTNI." (PC-VA)
- + 4/13 2037 - NASCAR program, ABC News, ID as "1640 WTNI" and "Covers the Gulf coast Pensacola to Gulfport," fair, they are on regular schedule now, I guess. (DT-JMC)
- + 4/18 2045 - Mississippi State baseball game vs. South Carolina. Rain delay. Still using WVMI-570 ID. First time heard. Very strong. (RJ-NC)
- + 4/18 2259 - Bohannon show, Biloxi ads, "Talk Radio 1640 WTNI Biloxi," generally poor under WKSH. (JR-NY)
- 1700 KQXX TX Brownsville - 4/26 2340 - Finally heard, poor to good mixing with WEUV/KBGG/KTBK, oldies music and "Oldies Radio" slogans, heard one promo item for an event "...on Sunday in Brownsville." New! (JF-ON)

Expiring? Time to renew? Not sure when? Need to call or e-mail someone? Check the back page - it's all right there!

The NRC AM Radio Log, 23rd 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. \$19.95 to U. S. members; \$25.95 to U. S. non-NRC members; to Canadian members, \$23.00 (\$29.00 to non-NRC members). Airmail to members in western Europe (except Italy) and Australia, New Zealand, and Japan: \$29.00. All others contact us for exact prices. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax).



The NRC Nighttime Antenna Pattern Book, 5th Edition is the perfect mate to the NRC AM Log, as the NPB provides DX'ers with up-to-date maps of all (except Class IV) stations with nighttime operations. Convenient to use: 3-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 in Europe (except Italy): \$29.00. All others, please contact us for exact pricing.

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

International DX Digest

Bruce Conti nrcidx@aol.com
46 Ridgfield Drive
Nashua, NH 03062-1174

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

Transatlantic DX

- 153 ALGERIA *Chaîne 1*, Bechar APR 17 2324 - Arabic vocal and drumming; good carrier but light audio. [Connelly-MA]
- 162 FRANCE *France-Inter*, Allouis APR 17 2323 - French telephone interview; good, best LW TA at the time. [Connelly-MA] APR 20 0341 - Loud and clear with man in French. [DeLorenzo-MA]
- 171 MOROCCO *R.Mediterranee Internationale*, Nador APR 17 2325 - Mellow female Middle Eastern vocal; fair. [Connelly-MA] APR 20 0342-0350 - Fair with religious Middle Eastern music, female Arabic vocal with flute and violins. [DeLorenzo-MA]
- 183 GERMANY *Europe Number 1*, Felsberg APR 20 0352-0355 - Loud and clear with man in French taking phone call, "Bonjour, Marc. Comment ça va?" and conversation about "chocolat." At 0355 English pop vocal "It's Gonna Be OK." [DeLorenzo-MA]
- 198 ENGLAND *BBC Radio 4*, Droitwich et al APR 20 0357-0400 - Good; ending discussion on "The role of faith in the modern world" parallel to 5975 kHz. ID at 0400 and into world news headlines. [DeLorenzo-MA]
- 216 FRANCE *R.Monte Carlo*, Roumoules APR 20 0402-0410 - Good with man in French taking phone calls. Block of ads at 0408. Some interference from aerobeacon CLB. [DeLorenzo-MA]
- 234 LUXEMBOURG *RTL Beidweiler* APR 20 0411-0415 - Good with pop music, male DJ in French mentioning "Destiny's Child," station jingle. [DeLorenzo-MA]
- 603 SPAIN *RNE R.5* synthros APR 18 0045 - Parallel 621 with light pop male vocal. [Connelly-MA]
- 612 MOROCCO *RTM A*, Sebaa-Aioun APR 18 0043 - Man in Arabic, then flute music; to good peak. [Connelly-MA]
- 621 CANARY ISLANDS // SPAIN *RNE R.1* synthros, Santa Cruz de Tenerife et al. APR 18 0041 - Man and woman with fast-paced cheery Spanish talk; good, over WZON/WVMT slop. [Connelly-MA]
- 711.05 WESTERN SAHARA *RTM*, Laayoune APR 17 2318 - Arabic vocal; poor to fair. [Connelly-MA]
- 774 SPAIN *RNE R.1* synthros APR 18 0133 - Parallel 855 with Spanish talk; poor. [Connelly-MA]
- 783 MAURITANIA *R.Mauritanie*, Nouakchott APR 17 2307 - Parallel 4845 with public speech by man in Arabic, room reverberation noted. Up to a strong level when rechecked at 2333 UTC. [Connelly-MA]
- 837 CANARY ISLANDS // SPAIN *COPE* synthros APR 18 0053 - Parallel 882 with man and woman in Spanish; fair, over others. [Connelly-MA]
- 855 SPAIN *RNE R.1* synthros APR 18 0133 - Parallel 774 with man in Spanish; fair. [Connelly-MA]
- 882 CANARY ISLANDS // SPAIN *COPE* synthros APR 18 0053 - Parallel 837 with Spanish talk; fair. [Connelly-MA]
- 890.98 ALGERIA *Chaîne 1*, Algiers APR 18 0055 - Arabic vocal music at low audio level on good-strength carrier. [Connelly-MA]
- 945 FRANCE Toulouse APR 18 0146 - Woman in French; poor in slop. [Connelly-MA]
- 981 ALGERIA *RTVA Chaîne 2*, Algiers APR 18 0025 - Droning vocal; light audio on strong carrier. [Connelly-MA]
- 999 SPAIN *COPE* Madrid APR 18 0101 - Parallel 882 with woman in Spanish, punchy booming audio; very good, stronger than adjacent 1000 kHz stations. [Connelly-MA]
- 1008 CANARY ISLANDS *Onda Cero*, Las Palmas APR 17 2346 - Bits of Spanish vocal; through WINS slop. [Connelly-MA]
- 1044 SPAIN *SER* synthros APR 18 0149 - Parallel 1179 with fast talk by man; to fair peak. [Connelly-MA]
- 1098 SPAIN *RNE R.5* synthros APR 18 0150 - Parallel 1107 with Spanish teletalk; fair. [Connelly-MA]
- 1107 SPAIN *RNE R.5* synthros APR 18 0151 - Parallel 1098 with Spanish talk; poor, through Carúpano/WBT slop. [Connelly-MA]



- 1116 **SPAIN** *SER* synchros APR 18 0152 - Parallel 1179 with fast Spanish talk; over unID music station. [Connelly-MA]
- 1134 **SPAIN** *COPE* synchros APR 18 0154 - Parallel (huge) 999 with musical interlude, then man and woman in Spanish; to fair peak, dominant. [Connelly-MA]
- 1179 **CANARY ISLANDS // SPAIN** *SER* synchros APR 18 0112 - *SER* teletalk; fair. [Connelly-MA]
- 1206 **FRANCE** Bordeaux APR 18 0112 - French discussion; poor to fair. [Connelly-MA]
- 1215 **SPAIN** *COPE* synchros APR 18 0114 - Parallel 999 with Spanish talk by two men. [Connelly-MA]
- 1296 **SPAIN** *COPE* Valencia APR 18 0115 - Spanish teletalk; over *Radio XL* (UK) and another station. [Connelly-MA]
- 1503 **SPAIN** *RNE R.5* synchros APR 18 0118 - Spanish talk; poor. [Connelly-MA]
- 1557 **FRANCE** Nice APR 20 0307-0317 - Loud and clear in peaks with news in French by alternating man and woman. Best signal in LSB to avoid WQEW splatter. [DeLorenzo-MA]

Pan-American DX

- 530 **TURKS & CAICOS** *R.Visión Cristiana Internacional*, South Caicos APR 17 2327 - Fast Spanish religious talk; over other co-channel stations (including MA pirate) and 531 het. [Connelly-MA] MAY 4 0503 - Spanish talk, very poor and could only pick up the word "información" out of the signal. First time heard in May for me! [Chiochiu-QC]
- 535 **GRENADA** *CBC* St. George's APR 18 0143 - Boy-band vocal (style of NSync, Backstreet Boys); good. Best signal out of this one in quite a while. [Connelly-MA]
- 555 **ST. KITTS & NEVIS** *R. ZIZ* Basseterre APR 18 0141 - Classic reggae (Jimmy Cliff or Bob Marley); good. [Connelly-MA]
- 600 **MEXICO** XEDN Gomez Palacio, DUR APR 26 1110 - Good signals, "La Mexicana" slogans. [Hall-AZ1]
- 640 **CUBA** *CMBC R.Progreso*, Guanabacoa MAY 3 0434 - Presumed. Noted at a very threshold level with music, too weak to clearly determine if tropical or pop type of music, but sounded a bit Spanish. [Chiochiu-QC]
- 640 **GUADELOUPE** *RFO* Pointe-a-Pitre APR 18 0040 - French shouting (sports report); over/under CBN. [Connelly-MA]
- 650 **COLOMBIA** *HJKH RCN Antena Dos* Bogotá APR 18 0129 - Fast talk about Barranquilla, Cali, and other Colombian cities; over others. [Connelly-MA]
- 660 **MEXICO** XEEY Aguascalientes, AGUA APR 27 1111 - On top of channel with "La Consentida" slogans. [Hall-AZ1] APR 27 1118 - Blasting in with ID and banda recodo music, was over KTNM which is very rare. Uses slogan "La Consentida" with echo effect. [Redding-AZ]
- 670 **MEXICO** XETOR Matamoros, COAH APR 25 1143 - Ad for farmacia Guadalajara and ID, "XETOR, Radio Ranchita." [Hall-AZ1]
- 670 **VENEZUELA** YVLL *R.Rumbos* Caracas APR 18 0130 - Timecheck, ID "R.Rumbos, la emisora de Venezuela," then salsa music; good / dominant. [Connelly-MA]
- 690 **ANGUILLA** *Caribbean Beacon*, The Valley APR 18 0037 - Parallel 6090 with preacher in front of excited crowd, mentions of "the house of Israel, the house of the Lord"; good with CINP phased, Brazil/Venezuela/WOKV under. [Connelly-MA]
- 690 **MEXICO** XEMA Fresnillo, ZAC APR 27 1155 - Good with ID. [Hall-AZ1]
- 690 **MEXICO** XETRA Tijuana APR 24 0405-0435 - Good signal, very little fading. "Southern California Baseball Report": Dodgers at Cincinnati; Padres leading 2 to 2. This is a 'mirror' station to 1150 KXTA Los Angeles. [Griffin-ID]
- 699.65 **VENEZUELA** YVPQ *R.Sur*, Puerto Ordaz APR 18 0033 - Fast Spanish talk; splittable from equal strength jumble on 700. [Connelly-MA]
- 720 **CUBA** *R.Progreso*, location unknown APR 18 0502 - Usual Progreso ID, big signal, surprisingly dominant considering that they are not reported on this frequency very often. Not listed on the Progreso website either. [McLarnon-ON]
- 750 **VENEZUELA** YVKS *R.R* Caracas APR 18 0132 - Woman in Spanish read Caracas news items; good. [Connelly-MA]
- 760 **BRAZIL** ZYH588 *R.Uirapuru*, Fortaleza APR 18 0031 - Inspirational talk by man and woman in Portuguese, then reverberated announcement that may have been advertising; dominant over a pile of others. [Connelly-MA]
- 780 **BRITISH VIRGIN ISLANDS** ZBVI Roadtown, Tortola APR 18 0145 - Caribbean-accented man with advert for local gift shop; over CFDR/YV's. [Connelly-MA]
- 780 **MEXICO** XEMF Monclova, COAH APR 29 0310 - Excellent program of romantic guitar music, "Radio Nostalgia XEMF" and "recuerdo" slogans noted. [Hall-AZ2]

- 800 **NETHERLANDS ANTILLES** *PJB Trans-World Radio*, Bonaire APR 18 0145 - Spanish religious program (name translates to "Bible Institute of the Air"); well over CJAD/WNNW/CKLW. [Connelly-MA]
- 810 **MEXICO** unID APR 25 0159 - XE anthem here, leaving two other Spanish language stations after they signed off. Not noted on subsequent nights. [Hall-AZ1]
- 820 **MEXICO** unID APR 26 1202 - Slow XE anthem. Good but faded before ID. [Hall-AZ1]
- 820 **ST. KITTS & NEVIS** *TBN / R.Paradise*, Charlestown APR 18 0137 - Hymn, then preacher; over WNYC and others. [Connelly-MA]
- 840 **HAITI** 4VEH Cap Haitien APR 18 0135 - Religious and mood music; over others. [Connelly-MA]
- 830 **MEXICO** XEIK Piedras Negras, COAH APR 27 1102 - XE anthem, ads, music, and ID. Slogan "La Norteña 830 AM." [Hall-AZ1]
- 860 **MEXICO** XEDU Durango, DUR APR 26 1102 - XE anthem and sign-on announcements, mixing with XEMO. [Hall-AZ1]
- 880 **MEXICO** XEV Chihuahua, Chih MAR 20 0353 - *R.Formula* IDs and playing big band music by Tommy Dorsey. Real strong signal. Extremely auroral conditions. Occasionally interference by KRVN but way in the background. [Redding-AZ]
- 890 **CUBA** *CMDZ R.Progreso*, Chambas MAY 4 0512-0513 - Poor and continuously fading with music. Seemed parallel with 640 but not sure. [Chiochiu-QC]
- 895 **ST. KITTS & NEVIS** *VON* Bath Village APR 18 0140 - Mellow R&B male group vocal, the timecheck, "20 minutes before 10"; to good peak. [Connelly-MA]
- 1000 **COLOMBIA** *HJAQ* Cartagena APR 18 0100 - Colombian news report; over apparent Brazilian and strong Spain-999 interference. [Connelly-MA]
- 1000 **VENEZUELA** YVNM *La Caribeña*, Morón APR 19 0039 - Lively Spanish music with brief insert of apparent phone number and "el contacto musical de Radio Caribeña," alone with WMVP nulled out of the picture. [McLarnon-ON]
- 1020 **TURKS & CAICOS** *Caribbean Christian Radio*, Grand Turk APR 19 0102 - First noted around 0020 with syndicated "soul radio" program and Motown music, appeared to be a domestic but I couldn't figure who it could be. Finally at 0102, an unaccented English announcer cut in with "Superpower 1020, testing the transmitter tonight. Grand Turk in the Turks and Caicos Islands, British West Indies," and back to music ("Hold Back the Night"). Huge signal, smothering KDKA. [McLarnon-ON]
- 1020 **VENEZUELA** YVMX *R.Calendario*, Maracaibo APR 19 0106 - Nice clear "Radio Calendario" ID in fadeup, mixing with the Grand Turk station, still no sign of KDKA. [McLarnon-ON]
- 1040 **VENEZUELA** YVON *R.Los Andes*, Merida APR 1 0900 - Spanish talk under domestic interference (mostly CJMS) with mentions of Merida, then a clear "Merida, Venezuela" heard in a quiet pause. [McLarnon-ON] Nice!
- 1090 **MEXICO** XEWL Nuevo Laredo, TAMA APR 26 1048 - XE anthem, prayer, and sign on announcement. "XEWL, 1 kW, La Romantica 1090." [Hall-AZ1]
- 1100 **BRAZIL** ZYK694 *R.Globo*, São Paulo, APR 18 0105 - Frenetic Portuguese talk with reverb; dominant, slight het from something on 1100.7 and from the 1098 TA's. [Connelly-MA]
- 1100 **MEXICO** unID APR 27 1200 - XE anthem, probably XENAS. [Hall-AZ1]
- 1110 **MEXICO** XEVS Hermosillo, SON APR 26 1407 - Good with "Maxima" slogan, simulcasting FM. [Hall-AZ1]
- 1110 **VENEZUELA** YVQT *R.Carúpano*, Carúpano, APR 18 0106 - Rustic group vocal, Carúpano ID; over WBT. [Connelly-MA]
- 1130 **MEXICO** XEHN Nogales, SON MAY 1 0423 - Vocal music, then apparent sign-off announcement at 0427, and what sounded like "Radio Casa" slogan. The XE anthem followed and station went off at 0430 UTC. [Wilkins-CO]
- 1140 **CUBA** *R.Cadena Habana*, La Habana APR 24 - In WRVA null, nice signal, first time noted here. Music programming. [Loy-IL]
- 1140 **MEXICO** XEMR Monterrey, NL MAY 1 0425 - Presumed with religious program in progress. Tough copy, with co-channel XESOS pounding in at the same time. [Wilkins-CO]
- 1140 **MEXICO** XESOS Agua Prieta, SON APR 25 1645 - Local monitoring indicates this station is much stronger in the Douglas-Agua Prieta area than in the Bisbee-Naco area. Looping with the ICF-2010, the station seemed to be located southwest of Douglas, Arizona, or just slightly west or southwest of Agua Prieta. [Hall-AZ] MAY 1 0427 - Banda music, *Radio Uno* tags, and MST time checks, so not on DST as of May 1. Giant signal, steamrolling over everything else. [Wilkins-CO]
- 1153.35 and 1166.65 **UNITED STATES** WSKW Skowhegan, Maine APR 18 0016 - Red Sox baseball on strong distorted spurs +/- 6.65 kHz from center frequency of 1160. [Connelly-MA]

- 1160 **BERMUDA** VSB3 Hamilton APR 18 0110 - Parallel 5975 with BBC documentary about environmental issues; mixed with WOBM/WSKW/WVNJ. [Connelly-MA]
- 1170 **MEXICO** XEMDA Mondova, COAH MAY 1 0303 - Distinct "Mera, Mera" singing ID, followed by male announcer with another call ID. Fair at best with KFAQ mostly nulled. No sign of usual XEIB. [Wilkins-CO]
- 1180 **CUBA** CMBA R.Rebelde, Villa María MAY 4 0432 - Old-fashioned female son song way under WHAM, but very clearly parallel with 5025 SW 60 meters which was huge! This is the first Latin American I positively identify (thanks to the 5025 parallel) on MW in the month of May. At 0526-0528 even better with talk followed by a salsa song. Was way over WHAM for 10 or 15 seconds around 0527, but after 0528 was rapidly fading down and after 0529 WHAM was virtually alone. [Chiochiu-QC]
- 1180 **MEXICO** XEDCH Cd. Delicias, CHIH APR 28 0246 - Good signal, mixing with presumed Cuban. "Romantica 1180" slogan. [Hall-AZ2]
- 1230 **MEXICO** unID APR 26 1159 - XE anthem, soon faded. "Has" to be needed XEEX Culiacán. Wasn't there the next morning. [Hall-AZ1]
- 1319.88 **MEXICO** XECPN(p) Piedras Negras, COAH MAY 4 1113-1140 - XE music, "La Mexicana" slogans, CDT time checks; mention of Piedras Negras in an ad at 1119; partial ID at 1129, "diversion, alegría, e información, atra vez de... radiofonico... La Mexicana... 1320 AM... RADIORAMA de Piedras Negras," the latter part sung to the usual RADIORAMA tune. Continued fair until 1140 when started to deteriorate. Also heard as an unID the night before at 0321 UTC with soccer. Heard on May 5 and 6, as well, with música romantica and announcing power of 20,000 watts. Mentioned a Mother's Day promo on May 6 and gave phone number 68 (or 78)-20-854. Have not heard a call letter ID yet. Separable on LSB from the 1320 group. First time here, XE #192. [Wilkins-CO]
- 1340 **MEXICO** unID APR 26 0352 - XE anthem as station went off the air. [Hall-AZ1]
- 1340 **MEXICO** XEAA Mexicali, BCN APR 29 2100 - Station is now using the slogan "Radio Capital." [Hall-AZ]
- 1350 **MEXICO** XELBL San Luis Rio Colorado, SON APR 24 1645 - Station is still here (not on 1570 yet) and getting out very poorly. Seems to be running very low power. [Hall-AZ]
- 1350 **MEXICO** XETM Naco, SON APR 25 1610 - Still no trace of this station. Have not heard them on our last three visits to this area, so suspect they're off for good. [Hall-AZ]
- 1350 **MEXICO** unID APR 26 1055 - Morning show mentioned "Aquí en el Distrito Federal." Unsure if XEQC or a syndicated national program. [Hall-AZ1]
- 1390 **MEXICO** XEQC Puerto Penasco, SON APR 29 1507 - Now using the slogan "La Voz de Puerto Penasco." Note that Puerto Penasco is also known as "Rocky Point" (which would be Punto Penasco in Spanish) when marketing to US tourists. [Hall-AZ2]
- 1490 **MEXICO** XEAQ Agua Prieta, SON APR 25 1640 - No trace of this station when I was in Douglas, Arizona. Later this morning we heard a loud Spanish station on 1490 while driving near the US 191 - AZ 181 junction towards Chiricahua, New Mexico, but it was gone when we left the Chiricahua area a few hours later (almost no stations are audible in the canyons at Chiricahua). Station may be running a very limited schedule. We didn't hear them at all last year. [Hall-AZ]
- 1600 **MEXICO** unID APR 28 0202 - XE anthem and sign-off. Not noted the following night. [Hall-AZ2]
- 1620 **MEXICO** Construction Permit, San Luis Rio Colorado, SON APR 24 1640 - No trace of any station testing here yet. Construction permits for new stations on 1650, 1660, 1690, and 1700 also not noted testing yet. [Hall-CA/AZ]
- 1620 **US VIRGIN ISLANDS** WDHP Fredriksted, St. Croix APR 18 0008 - Mention of affiliated stations including WAXJ-FM, then jingle, followed by male reggae vocal; good. [Connelly-MA]
- 1630 **MEXICO** XEUT Tijuana, BCN APR 24 1400 - Station was off the air this morning. No open carrier noted. [Hall-CA]

Connelly speaks: Ben Dangerfield recently stated, "Now while I tend to agree with you that the DX season never ends I still maintain that the TA season always slows down to almost nothing come the end of April and doesn't pick up until the end of August or early September." I disagree with this, at least as it applies to DXing here in the metro-Boston area. Look at "www.nrcdxas.org/idxd/idxd6928.html" and "www.nrcdxas.org/idxd/idxd6929.html" IDXD reports covering late spring and early summer of last year. Contrast these with the rather skinny issues of IDXD seen during this past December through February stretch.

McLarnon speaks: I agree with Ben that conditions have been unexciting of late, but there were a few

good LA openings in April, especially on April 18/19, when I snagged three new ones in less than half an hour.

Chiochiu speaks: All my respect to Mark Connelly who says, "The DX season never ends." And this is true to some extent even here inland, in Montreal!

QSL Information

- 180 **TURKEY** TRT4 Polatli - E-mail QSL for reception FEB 19-20, 2001, after postal request was not answered. My e-mail request was sent to Sedef Somaltin (Ms.), Engineer, HFBC Frequency Management, International Technical Relations, Turkish Radio-Television Corporation, TRT Sitesi C Blok No: 525 Oran Ankara, <sedef.somaltin@trt.net.tr>. It took about three months for the e-mail response. [Renfrew-NY]

Contributors

- Bogdan Chiochiu, Montreal QC; barefoot Sanyo MCD-S830 and Phillips portables. <acq@videotron.ca>
- Mark Connelly, Stackyard Road/Parker River - Nelson Island wildlife refuge salt-marsh, Rowley MA; Drake R8A, car rooftop cardioid array with broadband loop, active whip, Superphaser-2 phasing unit. <MarkWA1ION@aol.com>
- Marc DeLorenzo, Marstons Mills MA; JRC NRD-525, noise-reduced slopers, Mini DXP-3 phasing unit. <MarstonsMarc@aol.com>
- Mark Griffin, Boise ID; GE SR III and Select-A-Tenna. <jmarkgriffin@yahoo.com>
- Tim Hall, [AZ] on the road in Arizona, [AZ1] Tombstone AZ, [AZ2] Ajo AZ, [CA] on the road in California; ICF-2010, Kiwa Loop, Toyota car radio. <halls@inetworld.net>
- Eric Loy, Champaign IL; Drake R8 and Quantum QX. <ecloy@netscape.net>
- Barry McLarnon VE3JF, Ottawa ON. <bdm@bdmcomm.ca>
- Kevin Redding, Mesa AZ; Kenwood R-1000, 60-ft wire. <amfmdx@fastq.com>
- Jim Renfrew, Byron NY; Drake R8, Quantum Phaser, longwires. <renfrew@localnet.com>
- John Wilkins, Wheat Ridge CO; GE SuperRadio II, Drake R8, 4-ft box loop. <peakbagger3@juno.com>

Radio in Iraq

Reported by Steve Whitt, Medium Wave Circle E-Mail News, April 22.

Voice of New Iraq on 1170 kHz: A radio station identifying as *The Voice of New Iraq* and *Iraq Media Network* has begun broadcasting on the frequency of 1170 kHz mediumwave. The station was first mentioned by the Wall Street Journal on April 16 and first observed by the BBC Monitoring Service on April 17. According to the BBC Arabic Service, the station transmits at 21.00-01.00 Baghdad time (1700-2100 UTC). Conflicting reports give either Baghdad or Umm Qasr as the location of the transmitter - or there may also be two transmitters. According to the WSJ the station is using a 20-kW transmitter and was first on the air on April 15. According to the BBC, monitored by Tarek Zeidan, the station should be audible all over Iraq.

Voice of Iraqi Liberation now on 657 kHz: The *Voice of Iraqi Liberation*, previously reported on 1206 and 4025 kHz, has been observed on a new frequency of 657 kHz mediumwave. The station was heard by the BBC Monitoring Service on April 18 at 0400-1100 UTC. The frequency of 657 kHz has formerly been used by the Kurdish and General services of the Republic of Iraq Radio. The transmitter site was unknown, but was believed to be located in northern Iraq. It is not clear whether the same transmitter is now being used by the *Voice of Iraqi Liberation*. The *Voice of Iraqi Liberation* was first discovered by DXing.info on March 6. It is believed to be run jointly by the Iraqi opposition, first using PUK-owned transmitters (1206 and 4025 kHz) in Sulaymaniyah.

Shi'ite Radio Voice of Mujahedin heard on 720 kHz: A new radio station identifying as *Radio Voice of the Mujahedin* (Mujahideen) has been heard on the frequency of 720 kHz mediumwave. The station has aired commentaries opposing US troops in Iraq and has given airtime to the main Shi'ite opposition group, SCIRI, the Supreme Council for Islamic Revolution in Iraq. The station was first logged by Pentti Lintujärvi in Finland on April 11.

[April 21] As Operation Iraqi Freedom transitions into a humanitarian nation-building endeavor, the propaganda war over the airwaves has taken a sinister turn with the appearance of an Iranian-sponsored "hate" radio station that calls for attacks on American troops, rebellion against the planned interim administration and anti-Israel programming.

Between traditional Shi'ite music and "analysis" that the U.S.-led coalition seeks to replace the regime of Saddam Hussein with "a gardener," the Voice of Mujahideen (Sawt al-Mujahideen) on April 18 attempted to incite violence against members of the U.S. military, according to Cairo-based monitor Tarek Zeidan. "My dear Iraqi brothers," an announcer shouted, "Fight those unbelievers! Fight the Americans! Allah Akbar!" Zeidan heard the

calls for violence at 1635 GMT.

The station, BBC Monitoring (BBCM) reports, also broadcasts body counts of dead and wounded coalition soldiers and has led its news program with news reports on American casualties. During its April 17 program the station reported the death of three U.S. soldiers searching an ammunition depot and news of clashes between coalition forces that resulted in "a number of (Iraqis) killed." An announcer later encouraged listeners to oppose the "hirelings, liars, hypocrites, and traitors... Enough bitterness and defeats. Let us not continue to alienate our rights... Let us stop being slain and skinned like sheep and to die unsung and unlamented."

The radio station, which broadcasts on 720 kHz - a frequency known to have been used by Iranian state radio - between 1400 and 1800 GMT also airs anti-Israel propaganda. One such song that has aired includes the lyrics, "Our stones will be from hell and our faith will restore to us our land, the land of Palestine. The rights will be restored to their owners, the territory belongs to the sincere." News of a Palestinian "martyred by Zionist bullets" in the Gaza Strip and claims that "Zionist Rabbis" are encouraging Israeli troops to pray in Western Euphrates, which could refer to Iraqi, Syrian or Turkish sovereign territory, have also been also broadcast.

The broadcasts appear to have replaced the *Voice of Islamic Revolution* in Iraq, which was one of two stations run by SCIRI and transmitted by Tehran. The *Voice of Islamic Revolution* in Iraq, Clandestine Radio Watch reported on March 25, blamed both Saddam Hussein and the U.S. for the military conflict and sought to promote an Islamic government based in the Iranian model. Its broadcasts have not been heard in approximately two weeks. The *Voice of Islamic Revolution* in Iraq, which recently broadcast on 6135, 7100 and 9535 kHz between 0330 and 0530 GMT, was the subject of a radio jamming campaign by Saudi Arabia. Iran and Saudi Arabia, according to Iran expert Rob Sobhani of Georgetown University during an appearance on Foxnews April 19, are vying for influence of internal Iraqi politics.

73 and Good DX!

Target DX R. J. Edmunds
753 Valley Rd. wjb2bjh@nrcdxas.org
Blue Bell, PA 19422-2052

DX'ing 'smart', with shared tips and requests by NRC members

The items contained in this column come from recent discussions on the NRC listserv. I want to again emphasize that the contents of the answers provided below are a composite of various replies also presented on the listserv. Some are my own responses, but many are not.

Q - Is there a phasing unit which would perform similarly to the MWDX-5 commercially available?

A - Not that I'm aware of. The MWDX-5 is a passive phasing unit, using tuned LC-tank inputs and a phase-reversal transformer balanced (or phased) with a Q-spoiling pot. The Quantum and MFJ units are active.

The advantage of the passive tuned LC-tank design is that it's more efficient, low noise, no amplification required. The active units are less efficient, resulting in signal loss, requiring amplification which can produce spurs / intermod due to overload in high RF areas. However, the active units are typically easier to use, whereas the passive units will require more practice to get the feel for how they work.

Q - Which is better for trying to phase null - 2 longwires set up in opposite directions or two slopers set up the same way?

A - Two longwires or two slopers at 90-degrees to each other in theory work best. Parallel wires will work as long as there's enough distance between the wires, say upwards of 100-ft. Wires at 45-degree angles to each other work fine also.

Q - If you don't have room for two wires, would 1 wire of either type work phased with a loop?

A - Wire vs. loop works great, and is often used in car DXpeditions. Note that if using a tuned / active loop, then the loop must be Q-spoiled. A broadband loop (one large loop of wire) can be used vs. a longwire or whip successfully. The Quantum phaser can be used with a Quantum loop vs. wire / whip setup. If you don't have room for two wires, then consider the Double-Ewe antenna. It's basically two antennas in one, and it can be phased. A construction drawing is available on the BAMLog website:

<http://members.aol.com/baconti/bamlog.htm>

Q - Is there a commercially-available battery-operated remote-controlled terminator unit that can be used with a longwire to make it directional?

A - None that I'm aware of. One could build one's own using a Vactrol mounted in a plastic container. Refer to Mark Connelly's WA1ION Labs website for info (<http://www.qsl.net/wa1ion/index.html>). I've found that unless working with an extremely long wire approaching Beverage length, that termination resistance has little effect. Phasing is by far more effective and versatile in producing unidirectional reception and steering or aiming the direction.

Q - I just looked at the EWE diagram on the BAMLog website (see above), and I haven't the vaguest idea how it works. Is it one piece of wire?

A - Basically, yes. It's like one huge rectangular loop of wire - a broadband loop.

Q - How is it oriented?

A - Just like a loop. If the horizontals are parallel a north / south line, then the directions of reception are north / south. It produces a wide-angle cardioid pattern (like 1030 WBZ). Using the north / south example, connect to the matching transformer at the south vertical to receive south / null north. Connect to the north vertical to receive north / null south.

Q - Is it grounded?

A - No. Like a loop, it's a floating antenna and doesn't need grounding. The bottom horizontal section rests on the ground, or it can be in the air.

Q - How is it fed? It looks like there is coax from each end. Is that right?

A - Hook up the matching transformer at each end with separate 50-ohm coax cables to your radio shack. Connect one or the other directly to your receiver, or phase one against the other.

Q - Does it have to be straight across the top?

A - No. In fact it's the verticals that do all the work. It's similar to a radio station with a two-tower array like 1030 WBZ, except that it's the horizontal section across the top forcing a phase difference between the two verticals. Think of a wave traveling up one vertical, across the top horizontal, and then down the other vertical, thus out of phase with the opposite vertical. This is actually how an EWE antenna works, at least in my estimation. I simply modified the EWE antenna to provide two connections so that you could switch from one direction to the other or phase them. One could also phase one of the Double EWE connections against a wire for greater than 35 dB nulls.

Following are some additional DX-related websites, along with a couple of changed urls for sites currently on the published list:

DXCB Brazilian Station list
(downloadable .pdf file) <http://www.ondascurtas.com/listasemissorasmw.php>

Industry Canada Radio Databases <http://spectrum.ic.gc.ca/engineering/engdoc/baserade.html>

FCC Station Data, locations, patterns (links to TopoZone.com instead of the Tiger maps available at the FCC site. This site is still in Beta form but it looks like it will be quite useful. <http://www.fccinfo.com>

Bruce Conti's BAMLog site <http://members.aol.com/baconti/bamlog.htm>

Mark Connelly's Tech site <http://www.qsl.net/wa1ion/index.html>

Naval Observatory Sunrise/Sunset Calculator http://aa.usno.navy.mil/data/docs/RS_OneDay.html

IRCA Web site (new url) <http://www.ircaonline.org>

Werner Funkhauser's WHAMLog <http://home.ca.inter.net/~funk/>

Please remember to keep sending me your questions or your suggestions for future topic-oriented

columns to me either via the NRCDXAS listserv, by off-line email or by regular mail! I'd like to acknowledge Bruce Conti, who provided material for answers in this column.

Kahn announces new technology for improving AM radio fidelity

via Fred Vobbe

Kahn Communications, Inc. (KCI), announced in early April the development of new technology that will restore AM Radio Broadcasting to 15 kHz stereo fidelity by use of digital processing. The system, Compatible AM Digital (Cam-DO), unlike the pending proposal now before the FCC, will not increase adjacent or co-channel interference. Therefore, the system will be able to operate during the nighttime as well as during daytime hours.

Furthermore, the system is fully compatible with the over a half billion radios presently used by the American Public every day of the year. Actually, listeners to such existing radios will hear noticeably improved sound. The new system provides 15 kHz stereo fidelity when received by special new receivers, by use of frequency compression and digital transmission and digital reception techniques.

One of the main advantages of the Cam-D[tm] System is that it can provide improved fading performance over vast distances at night. Accordingly, special emphasis was placed upon convincing Midwestern stations to act as Test Stations. KCI is now negotiating with stations in other regions of the country to test the system in urban areas where reradiation from large buildings is prevalent to prove Cam-D's relative insensitivity to reradiation.

As of this date, the first stations that have contracted to purchase and install the Cam-D[tm] system are located in the States of: Indiana, Michigan, Nebraska, Tennessee, Utah, and Wisconsin. Some of these groups are equipping more than one station in a state. The committed stations range from a 500 watt daytimer, to major 50 kw stations with highly directional antennas.

KCI has assured each Test Station that Cam-D[tm] will perform properly with the station's (new or old) transmitter, and their existing antenna, without any modifications. These Test Stations will provide spectrum measurements as well as practical demonstrations that Cam-D does not increase interference with even first adjacent channel stations, proving its compatibility with present frequency assignments.

The tests will also be performed day and night to prove that the system does not degrade station coverage, indeed, increases it. And, finally, these initial tests will prove full compatibility with radios in the hands of the American Public. Actually, listeners will not, in any way, hear degraded sound, but will enjoy the same full frequency response broadcasters presently provide their listeners.

Special new digitally enhanced radios will be made available in small pre-production sample quantities to demonstrate to Broadcasters and the FCC that Cam-D[tm] provides 15 kHz fidelity, night and day, for much of the station's normal coverage and also that Cam-D[tm] provides Slow Speed Data over the full coverage of the Test Stations. The system is based upon a number of L.R. Kahn patents, as well as brand new inventions.

A spokesman for KCI, the New York, N.Y. and Carle Place, Long Island firm, stated that its president, L. R. Kahn, acting individually, had filed a Petition for Rule Making on January 24, 2003, requesting the FCC to appoint a Blue Ribbon Panel of former FCC Commissioners, etc., to propose revised procedures for evaluating all new technology so as to avoid possible future control of industry FCC Advisory Committees by firms proposing Billion Dollar Rule Making Petitions.

The Rule Making also requested a STAY of the present FCC Order on Digital Audio Broadcasting. This Rule Making will not be withdrawn, Kahn stated, but it was recently amended to, request the Commission to evaluate and compare the Cam-D TI System with the presently proposed Hybrid AM DAB system to determine which system will best serve the American Public.

NRC's Antenna Manuals

Now completely revised and up-to-date!

Beverage Antenna Design and Theory

\$7.95 (\$11.95 to Non-members)

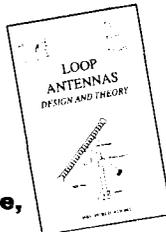
Antenna Reference Manuals, Vol. 1 and 2,

\$7.50 each (\$10.95 to non-members)

Loop Antenna Design & Theory,

\$8.50 (\$12.95 to non-members)

Order from NRC Publications - P. O. Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.



Formats

Wayne Heinen amradiolog@nrcdxas.org

4131 S. Andes Way
Aurora, CO 80013-3831

Changes in programming status; reported by listeners

<u>Freq</u>	<u>Call</u>	<u>Location</u>	<u>New Format</u>	<u>Freq</u>	<u>Call</u>	<u>Location</u>	<u>New Format</u>
<u>Source</u>	<u>Source</u>	<u>Source</u>	<u>Source</u>	<u>Source</u>	<u>Source</u>	<u>Source</u>	<u>Source</u>
540	KNOE	Monroe, LA	NWS/TLK/SPT	1010	WSPT	Stevens Point, WI	TLK
		DX Midamerica				DX Midamerica	
590	WMBS	Uniontown, PA	NOS	1050	WIQB	Conway, SC	SPT
	MSJ				MSJ		
620	WSNR	Newark, NJ	ETH/REL	1050	WPLC	Silver Spring, MD	TLK
	DX News				Braun		
700	WGOP	Walkersville, MD	NWS/TLK	1060	KXPL	El Paso, TX	SS:REL
	Kennedy				100000watts.com		
730	KSUD	West Memphis, AR	REL	1080	WWDR	Murfreesboro, NC	UC:GOS
	MSJ				MST		
750	WSBX	Brookport, IL	NWS/TLK	1140	KPWB	Piedmont, MO	OLD
	MSJ				MSJ		
760	WEFL	Tequesta, FL	SPT	1150	KCUV	Englewood, CO	TLK
	MSJ				Griffith		
790	WIST	Thomasville, NC	NOS	1170	KJOC	Davenport, IA	TLK
	MSJ				DX Midamerica		
800	WCHA	Chambersburg, PA	NOS	1210	WTCK	Bartlett, TN	UC:OLD
	nrcdxas.org				MSJ		
800	KDDD	Dumas, TX	C&W	1230	WFXN	Moline, IL	SPT
	MSJ				DX News		
810	WYRE	Annapolis, MD	SS	1230	KOZA	Odessa, TX	TLK
	Braun				MSJ		
810	KXOI	Crane, TX	SS:REL	1230	WESX	Salem, MA	NWS/TLK/NOS
	Heinen				MSJ		
820	KCBF	Fairbanks, AK	SPT	1250	WSPL	Streator, IL	NOS
	DX News				DX Midamerica		
840	WPGS	Mims, FL	SS:MEX	1260	WLGs	Birmingham, AL	TLK
	MSJ				nrcdxas.org		
880	WRRZ	Clinton, NC	SS	1260	KCCB	Corning, AR	OLD
	DX Midamerica				MST		
900	WATK	Antigo, WI	NOS	1270	KLXX	Bismarck-Mandan, ND	NOS/
	DX Midamerica				TLK	DX Midamerica	
920	WKRT	Cortland, NY	NOS	1280	WHVR	Hanover, PA	C&W
	Kennedy				Kennedy		
920	WVOH	Hazelhurst, GA	GOS	1280	KVOX	Moorhead, MN	SPT/TLK
	MSJ				MSJ		
920	KTOC	Jonesboro, LA	REL	1300	WJFK	Baltimore, MD	SPT
	MSJ				Kennedy		
920	KYST	Texas City, TX	SS:SPT	1310	WOKA	Douglas, GA	OLD
	MST				MSJ		
930	KSDN	Aberdeen, SD	SPT	1340	KIJV	Huron, SD	OLD/TLK/SPTan
	DX News				DX Midamerica		
930	WKY	Oklahoma City, OK	NWS/TLK	1340	WTYS	Marianna, FL	OLD
	DX News				MSJ		
940	KIXZ	Amarillo, TX	TLK	1350	WCMS	Celina, OH	NOS/TLK/SPT
	Heinen				MSJ		
950	KWAT	Watertown, SD	OLD	1350	WYSK	Fredericksburg, VA	SS
	DX Midamerica				Kennedy		
990	KWAM	Memphis, TN	TLK	1360	WHJC	Matewan, WV	AC
	DX News				MSJ		
1000	WRAR	Tappahannock, VA	UC:GOS	1370	WBYE	Calera, AL	UC:GOS
	MSJ				MSJ		

Freq	Call	Location	New Format	Freq	Call	Location	New Format
1370	KJLL	Cheyenne, WY	AC	1460	KKCS	Colorado Springs, CO	C&W
	Source DX Midamerica						
1370	KAWW	Heber Springs, AR	TLK	1470	KHND	Harvey, ND	C&W/SPTan
	Source MSJ						
1370	WLLM	Lincoln, IL	REL	1480	KKCQ	Fosston, MN	OLD/TLK
	Source DX News						
1380	KMUS	Muskogee, OK	KID	1490	KBUR	Burlington, IA	OLD
	Source MSJ						
1390	WRIG	Schofield, WI	TLK/SPT	1490	WCHM	Clarksville, GA	REL:AC
	Source DX Midamerica						
1390	KXSS	Waite Park, MN	SPT	1490	KLNT	Laredo, TX	TLK
	Source DX Midamerica						
1390	WNIO	Youngstown, OH	SPT	1490	KBIX	Muskogee, OK	SPT
	Source Kennedy						
1400	WEZW	Augusta, ME	NOS	1490	WTVL	Waterville, ME	NOS
	Source MSJ						
1400	WLTN	Littleton, NH	OLD	1510	KAGY	Port Sulphur, LA	Cajun
	Source MSJ						
1400	KBDB	Sparks, NV	NOS/TLK	1520	WLKM	Three Rivers, MI	C&W
	Source MSJ						
1410	KLEM	Le Mars, IA	AC	1550	WDLR	Delaware, OH	AC
	Source DX Midamerica						
1420	WEMB	Erwin, TN	GOS/C&W	1550	WMDH	New Castle, IN	NOS
	Source MSJ						
1420	WJUB	Plymouth, WI	NOS	1560	KKAA	Aberdeen, SD	TLK
	Source MSJ						
1420	KUJ	Walla Walla, WA	NOS/TLK	1580	WKKD	Aurora, IL	REL
	Source DX News						
1430	WQOQ	Durand, WI	OLD	1580	KVVY	Merced, CA	C&W
	Source 100000watts.com						
1430	KMRC	Morgan City, LA	Cajun	1580	WPKY	Princeton, KY	SPT
	Source MSJ						
1440	WFNY	Gloversville, NY	AC/OLD	1590	WONX	Evanston, IL	REL
	Source Musco						
1450	WKXW	Atlantic City, NJ	SPT	1600	WWRL	New York, NY	UC/ETH/TLK
	Source MSJ						
1450	WWXL	Manchester, KY	OLD	1610	CJWI	Montréal, QC	FF/Creole
	Source MST						
1450	WBYU	New Orleans, LA	KID	1640	WTNI	Biloxi, MS	NWS/TLK/SPT
	Source MSJ						
1450	KNET	Palestine, TX	C&W	1680	KTFH	Seattle, WA	ETH/SS
	Source MSJ						
1450	KYNT	Yankton, SD	AC	1690	KFSG	Roseville, CA	SS:REL
	Source DX Midamerica						
1460	WBUC	Buckhannon, WV	TLK	1700	KBCG	Des Moines, IA	NWS
	Source MSJ						

I have been reworking the AM Radio Log database to allow it to function in relation to the records of the FCC. One big improvement is the call signs of //FM stations will be appearing in the next edition of the Log. I have come to an impasse on a list of some stations that I need to find out what the call sign they have and the actual City of license. Also it is time for those who want to update the log to get me any changes to any log information so that I can get the updates together for the 23rd edition. You'll find my e-mail and snail mail addresses on the back page. I look forward to hearing from many members in the coming weeks with lots of updates!

Freq	Call	City	State	Freq	Call	City	State
	Note						
710	CBF17	Lac-Edouard	QC	570	CBNK	Cartwright, Labrador	NL
	Source //CBV-980						
640	CBIA	Gjoa Haven	NU	740	CBNZ	Nain, Labrador	NL
	Source //CBQR-FM 105.1						
	Note						
	Source //CFGB-FM 89.5						
	Source //CFGB-FM 89.5						

Freq	Call	City	State	Freq	Call	City	State
	Note						
1350	CBS114	Aguanish	QC	950	KYNG	Denison-Sherman	TX
	Source //CBSI-FM 98.1						
1130	CBS123	Port-Menier	QC	690	KZEY	Tyler	TX
	Source //CBSI-FM 98.1						
710	CBS16	Fermont	QC	960	WATS	Sayre	PA
	Source //CBSI-FM 98.1						
1550	CBS18	La Romaine	QC	1170	WKFL	Bushnell	FL
	Source //CBSI-FM 98.1						
690	CBU	Vancouver	BC	1520	WKVQ	Eatonton	GA
	Source //CKZU-6160 kHz SW						
1340	CFKC	Creston	BC	1430	WLTG	Panama City	FL
	Source //CJAT-FM 95.7						
1230	CHYK	Kapuskasung	ON	1530	WMBT	Shenandoah	PA
	Source //CHYK-FM 104.1						
580	CJFX	Antigonish	NS	1380	WMTD	Hinton	WV
	Source //FM 98.9						
600	CJWW	Saskatoon	SK	1100	WMYQ	Newton	MS
	Source //FM 92.9 0100-0700						
1340	CKGF	Grand Forks	BC	1160	WODY	Fieldale	VA
	Source //FM 99.3						
880	CKKC	Nelson	BC	810	WPIN	Dublin	VA
	Source //CJAT-FM 95.7						
1260	KSUR	Beverly Hills	CA	1300	WQPM	Princeton	MN
	Source The Surf //XEBACH-540						
1020	KTNQ	Los Angeles	CA	780	WZZX	Lineville	AL
	Source Recuerdo //FM 103.9 and 98.3 days						
	Source //FM 95.5 Real Country						

Musings

of the Members

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.

Dave Schmidt NRCMusings@aol.com

P. O. Box 3111

Scranton, PA 18505-0111

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

Russ Edmunds - Blue Bell, PA (wb2bjh@nrcdxas.org)

I'm finally close enough to completing my 40th year in the NRC to do a musing with that in mind. Mid-August will start my 41st year in NRC, having started DX'ing casually around 1960, and more seriously in 1962. The official numbers are 40/56 for those keeping score at home. I have DX'ed continuously from various locations - mostly in Northern NJ and Eastern PA - except for the period between 1983 and 1989 when I was inactive. During that time, I remained active as amateur station WB2BJH on 2 meters FM & Sideband, where I am relatively inactive now. I started DX'ing FM at about the same time, and have, with more breaks of a few years here or there, continued today. I am not actively maintaining totals - I only update them every few years any more, since most years I don't add more than a couple of dozen new one to the log. This past season, however, mostly thanks to Ginnie's Weekly Challenges for DDxD, I had a better year than many recently by adding around nearly 40. This year I was also jump-started by the November DXpedition to Long Beach Island NJ, and had hoped to do one in early Spring, but a combination of things prevented that from happening, although I'm certainly looking forward to another one next Fall, as it was a thoroughly enjoyable experience. The next few months will be spent primarily on FM, although I'll continue to monitor the GY frequencies and a few selected regional channels in order to log some new ones with baseball broadcasts. I'll not be in attendance in Dallas, but one of these years, I might actually be able to make another convention. 73

It may not be perfect ...

but the NRC AM Log is, simply, the best there is because of your contributions. Why not make the next edition even better? Send all corrections and changes to

Wayne Heinen - 4131 S. Andes Way - Aurora, CO 80013-3831, or amradiolog@nrcdxas.org. Thanks!

Graveyard Achievements

Distance records for stations logged on graveyard frequencies



Logged from Jan 1, 1960 to Present

Date of Last Update: February 22, 2003

indicates record held from Alaska or Hawaii

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

& indicates record held by DXer from the Caribbean

Station	City	DXer	DX Location	Miles
WAUD	AL Auburn	Ernie Wesolowski	Omaha, NE	836
WJBB	AL Haleyville	Steve Francis	Alcoa, TN	232
WBHP	AL Huntsville	J.W. Bay, Jr.	Drexel Hill, PA	718
WHOD	AL Jackson	Niel Wolfish	Toronto, ON	957
WNUZ	AL Talladega	Steve Francis	Alcoa, TN	193
WTBC	AL Tuscaloosa	Dave Whatmough	Hamilton, ON	805
KIFW	AK Sitka	Jack Woods	Douglas, AK	#91
KVAK	AK Valdez	Esa Hänninen	Lemmenjoki, Finland	3453
KSUN	AZ Bisbee	Ernie Wesolowski	Omaha, NE	1022
KAAA	AZ Kingman	John Johnson	Sheridan, WY	761
KOY	AZ Phoenix	Tim Hall	Carmel-by-the-Sea, CA	596
KATO	AZ Safford	Ernie Wesolowski	Omaha, NE	950
KINO	AZ Winslow	Phil Bytheway	Seattle, WA	1055
KFPW	AR Ft. Smith	Jerry Starr	Youngstown, OH	855
KBTM	AR Jonesboro	Ron Bailey	Shelby, NC	513
KGEO	CA Bakersfield	Richard E. Wood	Keaau, HI	#2444
KGEO	CA Bakersfield	Tim Hall	US6 on UT side of NV/UT line	*375
KSZL	CA Barstow	Tim Hall	The Sea Ranch, CA	444
KIBS	CA Bishop	Nancy Johnson	Aberdeen, WA	722
KXO	CA El Centro	Richard E. Wood	Keeau, HI	#2595
KXO	CA El Centro	Tim Hall	Mammoth Lake, CA	*389
KDAC	CA Fort Bragg	Carl Dabelstein	Lihue, Hawaii	#2414
KDAC	CA Fort Bragg	Nancy Johnson	Aberdeen, WA	*522
KYPA	CA Los Angeles	Tim Hall	Crater Lake Rim Village, OR	651
KPRL	CA Paso Robles	Frank Merrill	Nenana, AK	#2321
KPRL	CA Paso Robles	Tim Hall	Fillmore, UT	*513
KRDG	CA Redding	Phil Bytheway	Seattle, WA	487
KWG	CA Stockton	Richard E. Wood	Keaau, HI	#2388
KWG	CA Stockton	Phil Bytheway	Seattle, WA	*669
KEXO	CO Grand Junction	Shawn Axelrod	Winnipeg, MB	921
KBRR	CO Leadville	Mike Hardester	San Marcos, CA	738
KDZA	CO Pueblo	Niel Wolfish	Winnipeg, MB	871
KDZA	CO Pueblo	Shawn Axelrod	Winnipeg, MB	(Tie) 871
KBCR	CO Steamboat Springs	Shawn Axelrod	Winnipeg, MB	846
KSTC	CO Sterling	Mike Hawk	Omaha, NE	371
KG EK	CO Sterling	Ernie Wesolowski	Omaha, NE	(Tie) 371
WINF	CT Manchester	Jeff Falconer	Clinton, ON	473
WG GG	FL Gainesville	Barry McLarnon	Ottawa, ON	1143
WONN	FL Lakeland	Don Trelford	Runaway Bay, Jamaica	&728
WONN	FL Lakeland	Tim Hall	I-75 Rest Area 28	*79
WMAF	FL Madison	Steve Francis	Alcoa, TN	356
WSBB	FL New Smyrna Beach	Barry McLarnon	Ottawa, ON	1164
WNVY	FL Pensacola	Ron Schiller	Lighthouse Point, FL	519
WCNH	FL Quincy	Barry McLarnon	Ottawa, ON	1128
WJNO	FL West Palm Beach	UK DXpedition	Sheigra, Scotland	4121

WJNO	FL West Palm Beach	Marc DeLorenzo	Hyannis, MA	*1172
WCKJ	GA Augusta	Dave Braun	Falls Church, VA	462
WBLJ	GA Dalton	Dave Whatmough	Hamilton, ON	648
WXLJ	GA Dublin	Jeff Falconer	Clinton, ON	771
WFOM	GA Marietta	J.W. Bay, Jr.	Drexel Hill, PA	657
WSOK	GA Savannah	John J. Rieger	South Milwaukee, WI	837
WAYX	GA Waycross	Harry Hayes	Thornhurst, PA	784
KBAR	ID Burley	Nancy Johnson	Aberdeen, WA	578
KORT	ID Grangeville	Esa Hänninen	Lemmonjoki, Finland	4277
KORT	ID Grangeville	Shawn Axelrod	Swan River, MB	*796
KRXX	ID Rexburg	Esa Hänninen	Lemmonjoki, Finland	4360
KRXX	ID Rexburg	Shawn Axelrod	Swan River, MB	*749
WJBC	IL Bloomington	Shawn Axelrod	Winnipeg, MB	750
WMRZ	IL Moline	Esa Hänninen	Lemmonjoki, Finland	4165
WMRZ	IL Moline	Shawn Axelrod	Winnipeg, MB	*650
WHCO	IL Sparta	Shawn Axelrod	Winnipeg, MB	879
WJOB	IN Hammond	Niel Wolfish	Winnipeg, MB	773
WSAL	IN Logansport	Niel Wolfish	Winnipeg, MB	855
WT CJ	IN Tell City	Barry McLarnon	Ottawa, ON	764
WBOW	IN Terre Haute	Shawn Axelrod	Winnipeg, MB	879
KFJB	IA Marshalltown	Ron Schiller	Monmouth Beach, NJ	994
WHIR	KY Danville	Barry McLarnon	Ottawa, ON	705
WHOP	KY Hopkinsville	Steve Francis	Alcoa, TN	211
WANO	KY Pineville	Steve Francis	Alcoa, TN	70
KLIC	LA Monroe	Frank Merrill	Milan, MI	803
WBOK	LA New Orleans	John J. Rieger	South Milwaukee, WI	902
KSLO	LA Opelousas	Carl Dabelstein	Lincoln, NE	755
WBME	ME Belfast	Ron Schiller	Monmouth Beach, NJ	380
WQDY	ME Calais	Andy Rugg	Nuns Island, QC	308
WSJR	ME Madawaska	Andy Rugg	Montreal, QC	283
WITH	MD Baltimore	Steve Francis	Alcoa, TN	464
WALI	MD Cumberland	Jeff Falconer	Clinton, ON	310
WMNB	MA North Adams	Jim Renfrew	Rochester, NY	227
WNAW	MA North Adams	Barry McLarnon	Ottawa, ON	(Tie) 227
WESX	MA Salem	John Campbell	Bridestow, England	3195
WESX	MA Salem	NF DXpedition #5	Cappahayden, NF	*928
WNEB	MA Worcester	Morris Sorensen	Emsdale, ON	436
WCUZ	MI Grand Rapids	Niel Wolfish	Winnipeg, MB	716
WCUZ	MI Grand Rapids	Shawn Axelrod	Winnipeg, MB	(Tie) 716
	MI Grayling			
WIKB	MI Iron River	Barry McLarnon	Ottawa, ON	621
WMPC	MI Lapeer	Barry McLarnon	Ottawa, ON	424
WSOO	MI Sault Ste. Marie	Morris Sorensen	Leaf Rapids, MB	955
WSTR	MI Sturgis	Joe Fela	Newark, NJ	588
WKLK	MN Cloquet	Rick Dau	Iowa City, IA	355
KGHS	MN International Falls	Ernie Wesolowski	Omaha, NE	526
KYSM	MN Mankato	Morris Sorensen	Leaf Rapids, MB	740
KMRS	MN Morris	John Wilkins	Wheat Ridge, CO	618
KTRF	MN Thief River Falls	Morris Sorensen	Leaf Rapids, MB	980
KWNO	MN Winona	John J. Rieger	South Milwaukee, WI	205
WCMA	MS Corinth	Barry McLarnon	Ottawa, ON	983
WHSY	MS Hattiesburg	Charles Reh	Leamington, ON	826
WSSO	MS Starkville	Charles Reh	Leamington, ON	683
KODE	MO Joplin	Shawn Axelrod	Winnipeg, MB	880
KLWT	MO Lebanon	John Wilkins	Wheat Ridge, CO	685
KWIX	MO Moberly	Esa Hänninen	Lemmonjoki, Finland	4336
KWIX	MO Moberly	Shawn Axelrod	Winnipeg, MB	*747
KOBB	MT Bozeman	Shawn Axelrod	Winnipeg, MB	703
KHDN	MT Hardin	Frank Merrill	Milan, MI	1213
KXLO	MT Lewistown	John Johnson	Sheridan, WY	197
KLCB	MT Libby	Nancy Johnson	Aberdeen, WA	396

XESCT	BCN	Ensenada	Tim Hall	Chula Vista, CA	52
XEIZ	NL	Monterey	Jim Boehm	San Antonio, TX	289
XETVH	TA	Villahermosa	Tim Hall	Naples, FL	909
ZBM1	BER	Hamilton	Ernie Wesolowski	Omaha, NE	1831
LT2	ARG	Rosario	Pete Taylor	Poipu, HI	7522
ZY1670	BRZ	Joao Pessoa, PB	NF DXpedition #4 Team	Cappahayden, NF	3897
ZYJ816	BRZ	Sao Jose, SC	NF DXpedition #4 Team	Cappahayden, NF	5160
HJLK	CLM	Cali	LEM96	Lemmenjoki, Finland	6328
HJLK	CLM	Cali	NF DXpedition #2 Team	Cappahayden, NF	*3325
YVNT	VEN	Caucauga	Tim Hall	Crane Beach, Barbados	&525
CMAD	CU	Artemisa	Frank Merrill	Milan, MI	1330
CMGM	CU	Jaguey Grande	Ron Schiller	Lighthouse Point, FL	267
BEV58	CHN	Taichung	Pete Taylor	Hangzhou, China	426

- MB DXpedition = [Shawn Axelrod, Wayne McRae]
- NF DXpedition #2 Team = [Jean Burnell, Mark Connelly, Bruce Conti and Neil Kazaross]
- NF DXpedition #4 Team = [Jean Burnell, David Clark, Mark Connelly, Bruce Conti, Neil Kazaross, Jim Renfrew]
- NF DXpedition #5 -1996 = [Jean Burnell, Ben Dangerfield, Bruce Conti, Neil Kazaross, Dave Clark, John Fisher, Jim Renfrew]
- UK DXpedition = [Steve Whitt, Mark Hattam, Clive Rooms]
- LEM96 = [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 are more Major League Baseball network lists, along with some Minor League Baseball information. I still need some MLB (Major and Minor) network and flagship information, plus foreign language stations.

Montreal Expos (EE) 2003 +Elliat Price, Terry Haig
No network (via Mike Brooker) only 990 CKGM-PQ

Montreal Expos (FF) 2003 Jacques Doucet, Marc Griffin
(from Pocket Schedule via Mike Brooker)

550	CHLN-PQ	630	CHLT-PQ	1040	CJMS-PQ *p	1240	CFLM-PQ
590	CKRS-PQ	730	CKAC-PQ *	1150	CHGM-PQ	1270	CFGT-PQ
610	CHNC-PQ	800	CHRC-PQ		CJRC-PQ	105.3	CHRM-PQ

Here is some Minor League Baseball flagship information from Art Blair. I have to assume that most of these have no network. Art lists a network for a few teams.

INTERNATIONAL LEAGUE RADIO

Buffalo Bisons	1520	WWKB	Buffalo, NY
Columbus Clippers	103.1	WSMZ	Johnstown, OH
Indianapolis Indians	1430	WXNT	Indianapolis, IN
Norfolk Tides	1310	WGH	Newport News, VA
Ottawa Lynx	1200	CFGO	Ottawa, ON
Pawtucket Paw Sox	790	WSKO	Providence, RI *
	1340	WNBH	New Bedford, MA
	1440	WVEI	Worcester, MA
	1450	WLKW	West Warwick, RI
	1480	WSAR	Fall River, MA
	1490	WMRC	Milford, MA
	1570	WPEP	Taunton, MA
Richmond Braves	950	WXGI	Richmond, VA
Scranton/Wilkes Barre Red Barons	104.9	WWDL	Scranton, NY



Syracuse Sky Chiefs	1260	WNSS	Syracuse, NY
Toledo Mud Hens	1470	WLQR	Toledo, OH

TEXAS LEAGUE RADIO

Arkansas Travelers	101.1	KDRE	North Little Rock, AR
El Paso Diablos	750	KAMA	El Paso, TX
	1380	KHEY	El Paso, TX SS
Frisco Rough Riders	1700	KTBY	Sherman, TX
Midland Rock Hounds	550	KCRS	Midland, TX
Round Rock Express	1260	KWNX	Taylor, TX
San Antonio Missions	680	KKYX	San Antonio, TX
Tulsa Drillers	1300	KAKC	Tulsa, OK
Wichita Wranglers		(?)	

PACIFIC COAST BASEBALL RADIO

Albuquerque Isotopes	610	KNML	Albuquerque, NM
Colorado Springs Sky Sox	1240	KRDO	Colorado Springs, CO
Edmonton Trappers	880	CHQT	Edmonton, AB
Fresno Grizzlies	103.1	KAAT	Oakhurst, CA
Iowa Cubs	1460	KXNO	Des Moines, IA
Las Vegas 51s	1460	KENO	Las Vegas, NV
Memphis Redbirds	560	WHBQ	Memphis, TN
Nashville Sounds	900	WCOR	Lebanon, TN
	98.9	WANT	Lebanon, TN
New Orleans Zephyrs	690	WTIX	New Orleans, LA
Oklahoma RedHawks		Negotiating	
Omaha Royals	1420	KHLP	Omaha, NE (?)
	1490	KOSR	Omaha, NE
Portland Beavers	970	KUFO	Portland, OR
Sacramento River Cats	650	KSTE	Rancho Cordova, CA
	1240	KSQR	Sacramento, CA SS
Salt Lake City Stingers	1320	KFNZ	Salt Lake City, UT
Tacoma Rainiers	850	KHHO	Tacoma, WA
Tucson Sidewinders	990	KTKT	Tucson, AZ

Major League Teams, stations unknown or unavailable

Anaheim Angels (EE) 2003 Rory Markus, Jerry Smith
 Anaheim Angels (SS) 2003 Jose Mota
 Arizona Diamondbacks 2003 Greg Schulte, Rod Allen, Thom Brennaman, Jim Traber, Jeff Munn
 Atlanta Braves 2003 (SS)
 Boston Red Sox (SS) 2003 J. P. Villaman, Luis Tiant
 Colorado Rockies (SS) 2003
 Florida Marlins (SS) 2003 Felo Ramirez, Angel Rodriguez
 Houston Astros (SS) 2003 +Francisco Ruiz, Alex Trevino
 New York Mets (EE) 2003 Gary Cohen, Ed Coleman, Bob Murphy
 New York Mets (SS) 2003 Billy Berroa, Juan Alicia (100 games only)
 New York Yankees (EE) 2003 John Sterling, Charlie Steiner
 New York Yankees (SS) 2003
 Pittsburgh Pirates 2003 Lanny Frattare, Steve Blass
 Saint Louis Cardinals 2003 Wayne Hagin, Mike Shannon
http://stlouis.cardinals.mlb.com/NASApp/mlb/stl/schedule/stl_schedule_tv_radio_affiliates.jsp
 (03/26/2003) [2002??] <http://stlouis.cardinals.mlb.com/images/nav/plus_off.gif> Schedule (This is the 2002 list.)
 San Diego Padres (EE) 2003 Jerry Coleman, Ted Leitner
 San Diego Padres (SS) 2003
 San Francisco Giants (SS) 2003

QUINCY, MASSACHUSETTS



Quincy, Mass.



Salem, Mass.

* = Flagship station

p = Backup flagship in case the flagship has another sports event to carry

'Broadband over power line' poses HF interference threat

from The ARRL Letter, Vol. 22, No. 17

via Perry Crabill

The FCC soon will invite public comment on the concept of using existing electrical power lines to deliver Internet and broadband service to homes and offices. The Commission initiated a Notice of Inquiry (NOI) in ET Docket 03-104 when it met April 23. What the FCC calls "Broadband over Power Line" (BPL) is a form of carrier-current technology typically known as power line communication (PLC). Whatever its name, the technology is raising serious interference concerns within the Amateur Radio community, since BPL would apply high-frequency RF to parts of the power grid. One aspect of the NOI is to gather information on potential interference effects on authorized spectrum users.

"Entire communities will be affected, so every amateur in that community could have part of the radiating system 'next door' on the power wiring on his or her street," cautioned ARRL Lab Supervisor Ed Hare, W1RFL. Hare chairs the PLC Work Group of the IEEE C63 Accredited Standards Committee on Electromagnetic Compatibility <<http://c63.ieee.org/>>.

The complete NOI has not yet been released, and until that happens, the FCC will not formally accept comments in the proceeding. The ARRL will be among those expected to submit detailed comments in ET 03-104.

So-called "access BPL" would use medium-voltage (1 kV to 40 kV) power lines to deliver Internet and broadband applications. Hare says access BPL is likely to be a more significant interference source than in-building PLC technology "because overhead electrical wiring is a much better antenna than the electrical wiring within a building."

ARRL CEO David Sumner, K1ZZ, editorialized on the subject of PLC in "It Seems to Us..." in the October issue of 2002 QST. "Is it possible to do power line communications without causing interference to over-the-air communications?"

Sumner asked. "Count us among the skeptics. What may be a fine transmission line at 60 Hz looks more like an antenna at HF." Hare said his own computer analyses of interference potential from access BPL/PLC suggest "a significant increase in noise levels" from deployed systems.

The FCC appears enthusiastic about BPL, however, saying it has the potential to "provide consumers with the freedom to access broadband services from any room in the house without adding or paying for additional connections." The Commission also touted BPL as "a competitive alternative to digital subscriber line and cable modem services."

New digital power line designs use multiple carriers spread over a wide frequency range—from 2 MHz up to 80 MHz—and capable of high data rates—up to 20 MB/s, the FCC said.

In addition to viewpoints on interference potential, the FCC also has requested comments on the current state of high-speed BPL technology, test results from BPL experimental sites, appropriate measurement procedure for testing emission characteristics for all types of carrier-current systems, changes that may be needed in Part 15 technical rules, and the equipment approval process to foster the development of BPL.

Tests of BPL are under way in several states, including Alabama, Maryland, Missouri, New York, Ohio, Pennsylvania and Virginia. Hare says ARRL Lab personnel will visit some of the test sites this spring to take field measurements to quantify the potential for interference to Amateur Radio operations.

BPL/PLC technology already has been deployed in some European countries, and amateurs there have complained about interference. Japan—responding in part to concerns expressed by its amateur community—decided last year not to adopt the technology because of its interference potential.

Why worry about who owns the media?

MoveOn Bulletin Op-Ed opinion by Eli Pariser

via Dave Hochfeld

It's like something out of a nightmare, but it really happened: At 1:30 on a cold January night, a train containing hundreds of thousands of gallons of toxic ammonia derailed in Minot, North Dakota. Town officials try to sound the emergency alert system, but it isn't working. Desperate to warn townspeople about the poisonous white cloud bearing down on them, the officials call their local

radio stations. But no one answers any of the phones for an hour and a half. According to the *New York Times*, three hundred people are hospitalized, some are partially blinded, and pets and livestock are killed.

Where were Minot's DJs on January 18th, 2002? Where was the late night station crew? As it turns out, six of the seven local radio stations had re-

cently been purchased by Clear Channel Communications, a radio giant with over 1,200 stations nationwide. Economies of scale dictated that most of the local staff be cut: Minot stations ran more or less on auto pilot, the programming largely dictated from further up the Clear Channel food chain. No one answered the phone because hardly anyone worked at the stations any more; the songs played in Minot were the same as those played on Clear Channel stations across the Midwest.

Companies like Clear Channel argue that economies of scale allow them to cut costs while continuing to provide quality programming. But they do so at the expense of local coverage. It's not just about emergency warnings: media mergers are decreasing coverage of local political races, local small businesses, and local events. There are only a third as many owners of newspapers and TV stations as there were in the 1970s (about 600 now; over 1,500 then). It's harder and harder for Americans to find out what's going on in their own back yards.

On June 2, the Federal Communications Com-

mission (FCC) is considering relaxing or getting rid of rules to allow much more media concentration. While the actual rule changes are under wraps, they could allow enormous changes in the American media environment. For example, one company could be allowed to own ABC, CBS, and NBC. Almost certainly, media companies will be allowed to own newspapers and TV stations in the same town. We could be entering a new era of media megaliths.

Do you want one or two big companies acting as gatekeepers and controlling your access to news and entertainment? Most of us don't. And the airwaves explicitly belong to us — the American people. We allow media companies to use them in exchange for their assurance that they're serving the public interest, and it's the FCC's job to make sure that's so. For the future of American journalism, and for the preservation of a diverse and local media, we have to hold the FCC to its mission. Otherwise, Minot's nightmare may become our national reality.

MW Makes Waves Again, To Transmit Community Radio

By Nivedita Mookerji, Financial Express, New Delhi

via Alokesh Gupta and Robert Foxworth

New Delhi: Used medium wave transmitters of All India Radio (AIR) are being turned into money spinners. With the state broadcaster on a phase-out drive, as far as medium wave and short wave are concerned, time on the old transmitters is up for rent.

To begin with, AIR has been allowed to offer time on the phased-out medium wave transmitters to organisations/institutes for educational purposes, according to a Prasar Bharati official.

Although community radio programme was launched with much fanfare a few months ago, it is yet to pick up in a big way. Instead, many organisations are seeking a wider area coverage than what is being offered under the community radio scheme. And this is where old medium wave transmitters can come handy, says the official. While the low-wattage transmitters under the community radio scheme cover a radius of 5-8 km, those in medium wave frequency can reach up to 30 to 40 km.

So, welcome to community radio - part II. In the first case, a decision has been taken to give 8-10 hours of airtime on a medium wave transmitter to a Hyderabad-based institute (National Institute of Agricultural Extension Management) for one year. At a price of around Rs 25 lakh for a year, more cities are likely to follow.

While the operations at the stations would be handled by AIR, content will be provided by the

organisation taking time on the medium wave transmitter. AIR Resources (a division of AIR) had earlier entered into a pact with private FM operators for co-locating their transmitters on the AIR towers in Delhi, Chennai and Kolkata. While that has been a good source of revenue for AIR Resources, the arrangement to rent out time on old medium wave transmitters will add to its pie.

For co-location of transmitters on the AIR tower, AIR Resources charges Rs 25 lakh per annum per operator in Delhi and Rs 13.36 lakh each in Chennai and Kolkata. Besides, private licencees pay Rs 8,000 per square metre annually as rental charges to AIR Resources. The turnover of AIR Resources for the past 18 months stands at Rs 24 crore.

The idea to turn old transmitters into a source of revenue struck AIR when advised by the government to phase out short wave and medium wave transmitters, and focus on FM instead. Out of the 39 medium wave stations, only 11 are left. The remaining have been shifted to FM.

In a report of the working group for the Tenth Plan, the benefits of FM radio were highlighted as against medium wave and short wave. The quality of transmission and reception of FM radio is much superior to the other bands, it had stated. () Regds Alokesh Gupta New Delhi, India.

(A lakh is 100k and a crore is 10M and there are about Rs 48 per dollar. -Bob)

Geomagnetic Summary

Phil Bytheway phil-bytheway@teknologic.net
 9705 Mary NW
 Seattle, WA 98117-2334

High "A" values indicate possible auroral conditions

Geomagnetic Summary March 11 2003 through April 21 2003

SWF - Space Weather Forecast pca - polar cap absorption
 maf - major flare SWT - Space Weather today
 mas - major storm spe - satellite proton event
 mis - minor storm ss - severe storm

Tabulated from email status daily.

Date	Flux	A	KSpace	Wx Today	Space Wx Forecast	Etc.	
11	144	11	3	no storms	no storms		7
12	no report						
13	no report						
14	134	15	2	no storms	no storms		5
15	139	17	5	moderate	minor		8
16	131	22	3	minor	no storms		9
17	129	16	3	minor	no storms		8
18	125	31	5	strong	minor		8
19	118	20	3	strong	moderate		6
20	108	12	2	minor	moderate		6
21	97	17	5	minor	minor		8
22	91	30	4	minor	no storms		7
23	89	14	3	no storms	no storms		7
24	93	20	2	moderate	no storms		6
25	98	7	1	no storms	no storms		5
26	109	5	2	no storms	no storms		3
27	127	8	1	no storms	minor		7
28	141	22	5	minor	minor		9
29	147	22	4	no storms	no storms		10
30	155	21	4	minor	minor		10
3/31	155	22	3	minor	no storms		8
4/1	160	26	3	minor	minor		8
2	153	16	3	minor	no storms		6
3	158	21	3	no storms	no storms		10
4	156	15	3	no storms	minor		10
5	153	24	3	minor	minor		8
6	137	22	4	minor	minor		9
7	126	8	2	no storms	no storms		5
8	116	6	1	no storms	no storms		5
9	112	18	5	minor	minor		9
10	109	26	3	minor	minor		6
11	104	27	4	minor	minor		7
12	103	14	3	no storms	no storms		8
13	102	8	2	no storms	no storms		6
14	102	11	2	no storms	no storms		2
15	102	15	3	minor	no storms		6
16	101	24	3	minor	no storms		5
17	99	26	4	moderate	no storms		5
18	101	26	2	minor	no storms		6
19	108	19	3	minor	no storms		5
20	112	13	3	no storms	no storms		6
4/21	119	17	2	no storms	no storms		6

What a Time-saver - the County Cross Reference

A complete list of counties, parishes, and similar political divisions in the U. S. and Canada. Two lists are included: alpha by county, and by state. Compiled by Bill Hale and designed and produced by Wayne and Joan Heinon. \$7.50 for members, \$10.95, non-member. Order "CCR" from the NRC Publications center; NY residents, please include sales tax.

NRC-2003-Big D!

This year the National Radio Club marks another milestone, its 70th anniversary. And this is your invitation to join us in Dallas, TX for our annual convention. Convention dates will be Friday August 29 through Sunday August 31, 2003. Your hosts will be John Callarman, Bill Hale and Wally Wawro, who hope to make your visit to the Lone Star State memorable and fun.

Convention registration and hotel reservations are now being taken. Here's how to join us:

This year, registration is \$45 dollars for each NRC member or \$70 for member and spouse. Registration includes the annual NRC banquet to be held on Saturday, August 30. As usual we'll have plenty of snacks and refreshments throughout the gathering. And there could be other surprises too.

You can register two ways. By mail, send your registration to:

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

Make your check or money order payable to the National Radio Club and note that it's for the convention. Please include your name, address, phone number and e-mail address with your check. If you need special accommodations please note that as well.

Once again you can register for the convention at the NRC website using your credit card through our Paypal account. Click on "Convention." You'll find instructions there. In either case the deadline is Friday, August 15, 2003.

Our host hotel is:

The Holiday Inn Select DFW Airport South - 4440 Airport Freeway - Irving, TX 75062, 1-800-360-2242 <<<http://www.ichotelsgroup.com/h/d/HI/hd/dfwso?irs=y>>>

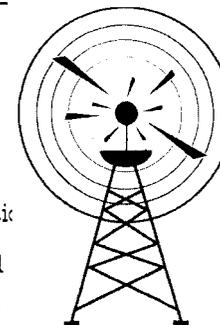
It's just minutes from the south entrance to DFW airport. The hotel has complementary shuttle service from the airport. Room rates are \$69.00 per night single or double occupancy. To get the special NRC rate of \$69.00 you must call the hotel directly. Their toll free number from anywhere in the US or Canada is 1-800-360-2242, and tell them you're attending the National Radio Club convention. If you require special assistance or services please let the hotel know. The hotel is fully ADA compliant. Hotel reservation deadline is Friday, August 15. The hotel will have rooms available at the NRC rate beginning Thursday August 28, through Labor Day, Monday, September 1st. The hotel was recently updated and offers numerous amenities including indoor and outdoor pools, restaurants, lots of space to unwind and even an indoor putting green. Within easy distance of the hotel is everything from Wal-Mart and McDonald's to a major shopping mall.

American, Delta, United and Continental all fly into DFW Airport, but Southwest Airlines does not. If you choose to come to the convention on Southwest you will need to make transportation arrangements from Dallas Love Field to the hotel. Also, all of the major car rental companies are located at DFW airport.

Texas in August is hot outdoors and very well air-conditioned indoors so keep that in mind. And having a tube of sunscreen isn't a bad idea either.

For answers to your questions, contact Wally Wawro at WFAA-TV in Dallas, 214-977-6260, or e-mail at wwawro@wfaa.com. Also, you can reach Wally at 214-354-4958 or e-mail at nrc2003bigd@hotmail.com.

Let's make this the best turnout ever for an NRC gathering. After 70 years we do have something to celebrate! Join us in Texas for this year's NRC convention.



NRC-2003-Big D
National Radio Club