

DX News

* Serving DX'ers since 1933 *

Volume 67, No. 28 - July 17, 2000 (ISSN 0737-1659)



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From the publisher ... You may notice some subtle differences in this edition of DXN, and well you may, as I had to re-create the layout almost from scratch on my Powerbook 1400c after the IDE hard drive in the 6400/G3 crashed (whatever that means). Although I had some backup material available, any material that was e-mailed to me since the June issue, including subscription address updates, articles, and columns, are hopefully being extracted by a hard drive recovery company ... but unfortunately I won't know until after this issue goes to the printer. If they are, you'll see them in August; if not, please re-send. Sorry for the inconvenience, and if it's of any consolation, two of my air conditioners went out at almost the same time, too. I'm almost afraid even to turn on a light, now ... oh, yes, the Ilg printer that I've used for a few years also expired, and it will be interesting to see what I can find to print this issue on.

Our sympathies go out to Ernie Wesolowski in the death of his mother in late June at the age of 89. Many DX'ers had the pleasure of meeting Rose Wesolowski at various times. Our thoughts are with you, Ernie, and your family.

Please take notice of DDXD-E editor Michael Shaw's request for time of while he takes care of family matters (see page 4), and if you can replace him as temporary DDXD-E editor, contact the publisher at his e-mail address (see back page).

Conventions ... Ernie is still accepting bids for the NRC 2001 convention, by August 1, and Fred Vobbe warns us to book our rooms early for the September 1-4 2000 convention, just a few short weeks away. See last issue for more details, or hit the web at <<www.nrcdxas.org/convention>>. The 2000 IRCA convention, to be held August 25, 26, and 27 in Billings, MT, will be hosted by John and Nancy Johnson; check for more information at <<http://pages.prodigy.net/john_johnson/irca2000.htm>>.

DXChange ... Fred Vobbe (706 Mackenzie Drive, Lima OH 45805, 419-228-4199) has for sale some blank recording tape, and plastic reels. The tape is Scotch 111 & 150 on 10" reels in white box for \$5.00 per reel. (some reels may contain recordings) 7" and 5" plastic reels are 50-cents each while they

last. Some 10" reels. Prices exclude shipping.

Welcome to these new members ... Christopher Yeats, Wichita, KS; Charles Chastain, Tulsa, OK; Clyde Parrott, Columbus, IN; Mike Clancy, Jersey City, NJ; Stephen Clang, Plymouth, MA; Michael Laytart, Woodside, NY; Dave Onley, Thornbury, Victoria, Australia; Samuel Jackson, McConnelsville, OH; Allison Smith, Glenmont, NY; Eric Svajdenka, Mukilteo, WA; Richard E. Hillman, Columbia, MO; Foy Ledbetter, Hartshorne, OK; Dave Atchisson, St. Louis, MO; Bobbie C. Howard, Scottsdale, AZ; Leonard Nix, Tampa, FL; Ben Cox, Osceola, IA.

DXN Publishing Schedule, Volume 67

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
29.	Aug. 4	Aug. 14	30.	Sept. 8	Sept. 18

DXN Publishing Schedule, Volume 68

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
1.	Sept. 22	Oct. 2	16.	Jan. 19	Jan. 29
2.	Oct. 6	Oct. 16	17.	Jan. 26	Feb. 5
3.	Oct. 13	Oct. 23	18.	Feb. 2	Feb. 12
4.	Oct. 20	Oct. 30	19.	Feb. 9	Feb. 19
5.	Oct. 27	Nov. 6	20.	Feb. 16	Feb. 26
6.	Nov. 3	Nov. 13	21.	Feb. 23	Mar. 5
7.	Nov. 10	Nov. 20	22.	Mar. 2	Mar. 12
8.	Nov. 17	Nov. 27	23.	Mar. 16	Mar. 26
9.	Nov. 24	Dec. 4	24.	Mar. 30	Apr. 9
10.	Dec. 1	Dec. 11	25.	Apr. 6	Apr. 16
11.	Dec. 8	Dec. 18	26.	May 4	May 14
12.	Dec. 15	Dec. 25	27.	June 1	June 10
13.	Dec. 29	Jan. 8	28.	July 6	July 16
14.	Jan. 5	Jan. 15	29.	Aug. 3	Aug. 13
15.	Jan. 12	Jan. 22	30.	Sept. 7	Sept. 17

DX Time Machine

From the pages of DX News:
50 years ago ... from the July 15, 1950 DXN: Joe Brauner, Williamsville, NY heard a Guatemalan station on 1510 kc/s with a DX program on the morning of July 1, promising souvenirs to reporters; the call sounded like TGJ.

25 years ago ... from the July 14, 1975 DXN: The FCC announced a "relaxation" of rules, including a new 2.5 kW power classification, and the rescinding of the "suburban" rule in the case of non-contested applications for new stations.

10 years ago ... from the July 30, 1990 DXN: Jim Renfrew took over the editorship of IDXD.

AM Switch

Jerry Starr w8jv@yahoo.com
c/o WHOT Radio
4040 Simon Road
Youngstown, OH 44512-1320

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

CALL LETTER CHANGES

Old call		New call
550 WLKW	RI Pawtucket	WBZU
830 WXII	NC Kernersville	WTRU
900 KALT	TX Atlanta	KPYN*
930 WTNR	TN Waynesboro	WWON
1110 KTLN	LA Pineville	KTTP
1260 CIHI	NB Fredericton	CKHJ
1420 WEUC	PR Ponce	WUKQ
1580 KTFN	CA Merced	KRAN
1600 WINX	MD Rockville	WNNY
1610 *New	TX Atlanta	KALT
1700 *New	NJ Warren	WL2XAM



*Notes: 1610 Atlanta, TX was first assigned the sequential call of KNRB but that was almost immediately changed as reflected above. Last month we showed a change for KFEZ-1340 to KCKN, but now a month later we find KCKN is still licensed to 1020 kHz Roswell, NM. We have no answer to this anomaly but will keep looking into it. See Grants below for information on WL2XAM.

APPLICATIONS FOR NEW STATIONS

None

GRANTS FOR NEW STATIONS

740	ON Toronto: 50000/50000 U1 (CHWO will move here from 1250 kHz Oakville)
1700	NJ Warren: experimental station to test digital audio, no facilities shown

APPLICATIONS FROM EXISTING FACILITIES

570	KLAC	CA Los Angeles: 50000/5000 U4
600	WSOM	OH Salem: 1000/45 U1
620	WKHB	PA Irwin: modify CP to show 5500/400 U2
630	KCIS	WA Edmonds: 2300/53 U1
670	KBOI	ID Boise: modify CP to show 50000/50000 U2
830	KPLS	CA Orange: modify CP to show 30000/20000 U2
930	KLAY	WA Yakima: 10000/127 U1 (dismissed application reinstated)
1050	KBBV	CA Loma Linda: modify CP to show 250 D1
1150	KQQQ	WA Pullman: 25000/210 U2 (dismissed application reinstated)
1190	KVCU	CO Boulder: 6800/110 U1
1290	WCFI	FL Ocala: 10000/1000 U4
1290	WJNO	FL West Palm Beach: 25000/1100 U4
1320	WISW	SC Columbia: 5000/4500 U2
1380	KMUS	OK Muskogee: 20000/500 U4 (dismissed application reinstated)
1450	WBYU	LA New Orleans: 850/850 U1
1520	KKJY	NM Albuquerque: to 1550 kHz with 5000/20 U1

GRANTS TO EXISTING FACILITIES

950	WTLN	FL Orlando: 12000/5000 U2
970	KVWM	AZ Show Low: 5000/195 U1
990	CJCJ2	NB Plaster Rock: to FM (frequency unspecified)
1070	WFRF	FL Tallahassee: relocate transmitter
1140	CJCJ1	NB Perth: to FM (frequency unspecified)
1230	KHSN	OR Coos Bay: relocate transmitter
1260	KJAZ	CA Beverly Hills: 15000/7500 U4
1270	WHLN	NY Niagara Falls: 5000/1000 U4
1270	CHWK	BC Chilliwack: to 98.3 FM

KJCK AM/FM
1420 COUNTRY - POWER 94.5
P.O. Box 789 Junction City, KS 66441

1310	WHEP	AL Foley: 2500 D1
1310	WYND	FL Deland: 8500/95 U1
1490	WGYM	NJ Pleasantville: 400/290 U1
1510	KMSD	SD Milbank: 5000/14 U1
1560	WMRO	TN Gallatin: 1000/3 U1 (1500 CH)
1650	KGXL	CA Torrance: 10000/490 (change from 175 foot to 383 foot antenna)

OTHERNESS

620	KZTY	NV Winchester: station is SILENT (this new station has maintained a very sporadic schedule since debuting; the transmitter site which is licensed for two 270 foot towers has instead two very short unguyed metal poles, one of which appears severely bent. Can somebody get a photo of this one?).
740	WMBL	NC Morehead City: station is SILENT and not expected to return
1070	KRAM	OR West Klamath: silent station is ON THE AIR
1150	KBAI	CA Morro Bay: license CANCELLED, call DELETED at licensee's request
1160	WMV1	NY Mechanicsville: silent station is ON THE AIR a few hours a week to keep the license alive
1290	WNBF	NY Binghamton: CP for 9300/5000 U2 is on
1390	WEGP	ME Presque Isle: station is SILENT
1400	WANI	AL Opelika: CP to relocate transmitter is on
1490	WIGM	WI Medford: CP to relocate transmitter is on
1590	WEHH	NY Elmira Heights: CP to add 460 watts nights CANCELLED at owner's request
1600	WPNT	MA East Longmeadow: station is ON THE AIR as a high powered TIS with non-stop tourists information for Six Flags
1690	KSXX	CA Roseville: new owner of this CP expects to have this new station on the air in "three months"

THANKS: Phil Boersma, Bill Hale, Ed Krejny, Scott Fybush, Shawn Axelrod, Gary Jackson, & MSJ

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

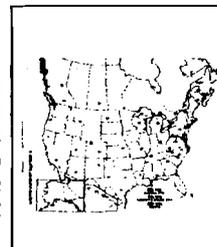
Jerry & BKF

The NRC AM Log on a disk.

The NRC is offering this service primarily for sight-impaired members; but NRC members (ONLY) may purchase this PC-formatted, 3.5-inch disk for \$6.00 postpaid. The list contains only Frequency, Call letters, State, City, Antenna, Day Power, Night Power, Additional Powers, Permits, Time Zone, and Stereo Operation and is current with the 20th Edition of the NRC AM Log. Order from the NRC Publications Center - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.

AM Station Location Maps

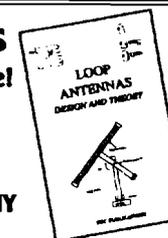
5th edition - \$12.00 to members (\$17.95 non-members), postpaid. Compiled by Bill Hale, this must-have companion to the AM Radio Log and Nighttime Pattern Book shows the location of all U. S. and Canadian broadcast stations (except TIS/LPRT) as well as latitude/longitude coordinates, plus instructions by Dave Sandius enabling users to calculate distance and bearing to any station. This book is three-hole punched for a letter-size ring binder. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.



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Loop Antenna Design & Theory,
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Order from NRC Publications - P. O. Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.



Domestic DX Digest

West: Bill Hale phantom2@eaze.net

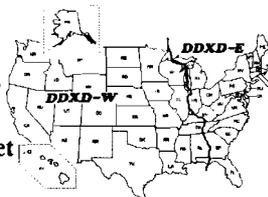
6124 Roaring Springs Drive - North Richland Hills, TX 76180-5552

East: Michael Shaw thousandislands@mediaone.net

25 Trask Ct Apt 14 - Beverly MA 01915-5370

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

(Division line is between East and Central time zones)



DDXD-West

MEDIUM WAVE RAMBLINGS

- Apologies to Russ Edmunds for an error in reporting a GY record's mileage in Issue 26. Corrected data lies below.
- REPORTER'S COMMENTS: Speaking of his DXploits during a recent western trip, Tim comments: "One goal I had was to sort out all of the contradictory information on Yellowstone Park TIS stations. I visited all sections of the park except the West entrance, the Northeast Entrance (Lamar Valley), and a section of the road between Tower Junction and Canyon that was closed (Mt. Washburn). I found stations active at the entrance stations with general park info (hunting and fishing permits, etc.), and only two inside-the-park stations, at Madison and Bridge Bay-Lake Village, with a message about the dangerous wildlife. Most of the sites where TIS stations have been listed in the past show absolutely no signs of TIS transmitters or antennae; I would speculate many of these facilities were lost in the 1988 fire. Only the stations at the entrance gates even have road signs posted, so I doubt anyone's listening to the Madison and Lake Village stations." Tim continues... "Bad move award: Cody, WY has established a very low-power TIS on 107.1 FM. Although there are signs for this station near the edge of town, it is only audible withing a few blocks of the chamber of commerce. Even there, the signal is terrible. A 10-watt station on 1610 kHz would have covered the entire area and not interfered with any other station."
- A good cross-section of summertime DX graces the column this time. Keep up the good work.
- Next deadline... August 2, 2000. See you here!

REPORTERS

- SA-MB Shawn Axelrod Winnipeg Icom ICR-70 & Drake R8 + 4 Foot Unamplified Box Loop/ Quantum Loop, 145' outdoor wire, 100' indoor wire, MFJ 1026 Phasing Unit <saxelrod@mb.sympatico.ca>
- TRH-CA1/CO1/NV1/UT1 Tim Hall aboard Amtrak's California Zephyr ICF-2010, KIWA Pocket Loop <halls@inetworld.net>
- TRH-CO2/MT2/UT2/WY2 Tim Hall DXing on the road Delco car radio
- TRH-CO3 Tim Hall DXing from downtown Denver
- TRH-SD3 Tim Hall DXing from Custer State Game Lodge (Custer State Park)
- TRH-WY3 Tim Hall DXing from Jackson ("Jackson Hole"), WY
- TRH-WY4 Tim Hall DXing from Old Faithful, Yellowstone NP (mostly from a front-row seat in front of the geyser!)
- TRH-WY5 Tim Hall DXing from Elephant Head Lodge (13 miles east of Yellowstone east entrance, 19 miles west of Wapiti, WY)
- TRH-WY6 Tim Hall DXing from Sheridan
- GH-KS Gary Houdek Munden Magnavox digital radio
- GJ-CA Gary Jackson Sacramento FRG-8800 + Kiwa Loop
- BK-CA Bob Karchevski Sunnyvale R8-A/Kiwa Loop <karchev@worldnet.att.net>
- BL-CA Blake Lawrence San Francisco Drake R8, Icom R-75 + Kiwa Loop; Sony ICF-7600 either alone or with Radio Shack loop <blake@deejay.com>



- CR-IL Cristos Rigas Wood Dale R-2000, Sony ICF-2010, Kowalski loop <crigas@birinc.com>
- JJR-WI John J. Rieger South Milwaukee FRG100, Kiwa loop, MFJ-959B tuner/preamp, DSP599z Audio Noise Reduction Filter <johnjrieger@webtv.net>
- KR-AZ Kevin Redding Mesa GE Superadio III barefoot; GE Superadio 7-2880B <lwdxr@juno.com>
- PT-WA Pete Taylor Tacoma Sony ICF 2010, Kiwa air core loop <tayta@worldnet.att.net>
- RT-CA Rich Toebe DXing from McKinleyville ICF-2010 + Kiwa Loop <richtoebe@ps.net>
- JW-CO John Wilkins Wheat Ridge Drake R-8, 4-foot loop <peakbagger3@juno.com>
- Ed.-TX Editor North Richland Hills ICF-2010 barefoot

STATION NEWS & NOTES

- 610 KNML NM Albuquerque - 6/21 2358 - Local spot, ID as *The Sports Animal* 610 KNML Albuquerque, then back to play-by-play of Arizona Diamondbacks vs San Diego Padres baseball game. Usual good signal, but with KSKE QRM. Ex: KSVA. (JW-CO)
- 630 WBMQ GA Savannah - 6/16 0111 - Good, with a loop announcing technical difficulties and mention to stay tuned for regular programming, along with *News Talk* 6-30 slogans. (CR-IL)
- 920 (KGHO) WA Olympia - 6/25 - Is off again. Thanks Pat Martin for the tip. Nothing new heard in its stead (KSHO, KXLY). (PT-WA)
- 960 KABL CA Oakland - I believe KABL has made a format change. They were Big Band, now they seem to be rock 'n' roll oldies. Noticed on 7/1 and 7/2. Need confirmation. (BK-CA)
- 1030 WNVR IL Vernon Hills - For few months now I have noticed this station running late at night, as late as 1 AM Central Time. The programming is in Polish language and it seems to be a relay of the domestic programming directly from Poland. On the hour there are IDs as *Radio Polonia*, *WNVR Chicago 10-30*, and *WRKL New York 9-10*. I thought they were a daytime only station. (CR-IL) [They are. Sounds like they are trying to pull a fast one - Ed.]
- 1050 KHTL NM Los Ranchos de Albuquerque - 7/4 0751 - Business program, network ads. Legal ID at 0759:50 as *Helping you keep track of your money - 1050 Business Talk Radio KHTL Los Ranchos de Albuquerque* and into Bloomberg News. Fair, with KLMO splatter. Ex:KNML. (JW-CO)
- 1110 KWDB WA Oak Harbor - 6/10 0133 - With promo for Navy event the next day and what sounded like RS, mostly under KBND. I haven't been able to contact them as to why they were on at night. (PT-WA)
- 1160 WSCR IL Chicago - According to Jim Kirk's column in the *Chicago Tribune* on June 28, Spanish Broadcasting could not come to terms with CBS/Infinity to purchase the station on 1160 kHz. CBS/Infinity will now try to sell the station to someone else in a month or so. CBS/Infinity must sell one of its Chicago stations to meet FCC requirement. The rumour is that after they sell the 1160 frequency, they will move the WSCR "The Score" programming to 670 kHz, which at present is the news oriented WMAQ. (CR-IL)
- 1170 KJJJ CO Windsor - 6/23 1059 - Legal ID: *This is KJJJ 1170 AM from Windsor, Colorado, La Nueva Ley, cubriendo Nebraska, Wyoming y Colorado* and into Latino songs. Local and Cheyenne spots and *La Nueva Ley* slogans. Ex-KVVS. (JW-CO)
- 1340 KOMY CA Watsonville - 5/9 1306 - Heard simulcasting KSCO - Santa Cruz, CA. (BK-CA)
- 1410 KRML CA Monterey - 6/28 1232-1245 - Heard simulcasting KLON-FM 88.1 - Long Beach, CA with Jazz. Mentioned *KLON Music Line* (562) 985-1854. (BK-CA)
- 1480 KGOE CA Eureka - 7/3 - Format change (sort of). No longer relaying KGO-810, but is now *Extreme Talk for the North Coast* with Imus, Dennis Prager, Dr Laura, Tom Leykis, Phil Hendrie, etc. (RT-CA)
- 1630 KOME? TX Fort Worth - 7/6 0540 - Very strong carrier, but no audio for about 20 minutes. Disappeared at :00, so they probably turned it off. It was too strong for the Tijuana station. Or was it? This (KOME) should splatter all over the D/FW IAP TIS on 1640. [Ed.-TX]
- 1660 (KXOL) UT Brigham City - 6/19 0217 - On with OC. Nothing readable under it. (PT-WA)
- 1270 KTRT OK Claremore - 7/3 - Format change to REL from sports. (Off the I'net)

UNIDs and UNID HELP

- 1230 UNID ?? - 5/22 2258 - Portland Trailblazers basketball, ad for Oregon Realtors. (TRH-

- 1230 UNID ?? - 5/22 2305 - Faded up for a couple of IDs that sure sounded like KRKM AM 12-30. (TRH-WY3)
- 1230 UNID ?? - 5/27 0050 - Ad for Sharp's Home Furnishings. Soon faded. (TRH-WY6)
- 1230 UNID ?? - 5/30 2219 - Continuous soft rock favorites, K?RO AM 12-30. (TRH-CO3)
- 1340 UNID ?? - 5/29 0359 - Slogan Boone County's . . . , faded out, back after network news with weather for Manningsville(?) (TRH-SD3)
- 1400 UNID ?? - 6/1 2025 - Satellite AC/OLD, network ads, . . . yesterday's and today's best music, the Point (or the Voice, or something similar). Logged between Parachute and De Beque. Signals were so weak today that this would pretty much have to be KDITA. (TRH-CO1)
- 1490 UNID ?? - 5/30 0648 - AM 14-90 KITS(?). (TRH-SD3)

TIS & OTHER STUFF

- 530 TIS CO Fort Collins - 5/31 1523 - Fort Collins office of Emergency Management station really gets out well. Mentioned that the Colorado DoT was now contributing info to their broadcasts. First noted between Laramie and Cheyenne on WY 210. (TRH-WY2)
- 530 (WPCB931) CO Loveland - 5/31 1710 - No trace of station here as we drove through the area. No doubt there is one, given the loud station in nearby Fort Collins. 1610 station got out well. (TRH-CO2)
- 530 (WPGU770) MT Crow Agency - 5/27 1400 - No sign of a TIS anywhere in this immediate area. (TRH-MT2)
- 530 HAR NV Reno - 5/21 2021 - HAR noted with road conditions for Nevada state highways in Nevada DoT District 2. Announcer referred to another station on 1610, but she may have been talking about the airport station. (TRH-NV1)
- 530 (WNFN792) NV Sparks - 5/21 2100 - No trace of a TIS here today, or when we returned 2 weeks later. The train was stopped in Sparks for some time both days. (TRH-NV1)
- 530 TIS UT Alta - 5/22 0656 - City of Alta TIS with driving tips for people entering the Wasatch National Forest. There are 2 stations licensed, but it sounded like I was hearing a single station. (TRH-UT2)
- 530 TIS WY Jackson - 5/22 1638 - The US Fish and Wildlife Service now operates a TIS station for the National Elk Refuge and National Fish Hatchery north of Jackson. Gets out very well with wildlife and visitor center info. Long tape loop with 2 or 3 different male announcers from different agencies, but no call letters mentioned. (TRH-WY2) Also heard - 5/26 0003 - Gets out fairly well at night. (TRH-WY5)
- 540 WPD1548 CO Denver - 5/31 1656 - City and County of Denver airport TIS, audible midday at the Colorado/Wyoming state line (about 80 miles to the north). (TRH-WY2)
- 790 KNNV350 TX Ovilla - 7/3 0745+ - Good, with typical community announcements. PSAs for local volunteer fire department (Join NOW!) and Fireworks is illegal within Ovilla city limits. Must be 45 miles from here. [Ed.-TX]
- 1200 WPKM997 UT Salt Lake City - 5/23 0652 - Good signal, with airport traffic information. Got out well. (TRH-UT2)
- 1590 WPLP689 WY Jackson - 5/22 1606 - Wyoming DoT station with information on road conditions for Wyoming Highway 22 and Idaho Highway 33 over Teton Pass. Using these calls instead of licensed calls WPPU297. There is a second station licensed to Wyoming DoT for the other end of the pass in Victor, Idaho, but I was unable to determine if that one was active. (TRH-WY2)
- 1610 TIS? CA Burbank? - 6/3 2312 - Noted a station with 5 telephone tones repeating over and over. Peaked as the train went through Burbank (the Burbank TIS on 1620 was active as well). (TRH-CA1)
- 1610 WNWN392 CA Saratoga - 5/26 1220 - Weak under Radio Newark WNMQ214. 10 watts. (BK-CA)
- 1610 KNEU564? CA Soda Springs - 5/21 1825 - CalTrans station first noted around Emigrant Gap with info for motorists heading east on I-80 into Donner Pass. Station was not active when we returned this way 2 weeks later. (TRH-CA1)
- 1610 WPSA506 CA Susanville - 6/15 - New Cal Trans "super" TIS here, giving construction info for Lassen County, Highways 36 and 44. The last "super" TIS at Redding was heard last year in Oregon and Canada. (GJ-CA)
- 1610 KNEU564? CA Truckee - 5/21 1920 - Another CalTrans station with info for motorists heading west on I-80 into Donner Pass. No other CalTrans stations noted along I-80 between Sacramento and Reno except for the (presumed) Soda Springs and

- Truckee transmitters. This was off when we returned 2 weeks later. (TRH-CA1)
- 1610 TIS CO Loveland - 5/31 1713 - Loveland Information Radio noted with chatty tape loop about local events. (TRH-CO2)
- 1610 HARCO/WY - 6/25 0615 - Poor signals with loop saying: This is highway Advisory Radio for the Department of Transport for Wyoming and the Dept of Transport Colorado on 1610 AM. Loop repeated over and over. Any ideas??? (SA-MB)
- 1610 KNNV605 ID Idaho Falls/Pocatello - 5/22 0455 - Noted from the train with general campus information and directions. This one really gets out. (TRH-UT1) Also noted from Old Faithful - 5/24 0652 - mixing with KOP714. (TRH-WY4) Also logged - 5/26 0422 - from Elephant Head as well. (TRH-WY5)
- 1610 (KID776) MT Crow Agency/Custer Battlefield - 5/27 1400 - Still no sign of a TIS station here. (TRH-MT2)
- 1610 House NV Reno - 5/21 2025 - Talking house noted as we approached Reno from the west. This was for the entire Sierra Highlands housing subdivision on Rainbow Ridge Drive at the west end of town. Got out quite well. (TRH-NV1)
- 1610 WPJM982? NV Reno - 5/21 2016 - Reno-Tahoe International Airport TIS noted as we crossed the Nevada state line, with info on parking rates. Mentioned web site at www.renoairport.com. Fighting with talking house station as we approached Reno. (TRH-NV1)
- 1610 KNDC614 SD Keystone - 5/28 1800 - Fair signal, with Mount Rushmore information. This station is listed as a Custer State Park information station, and signs near Mount Rushmore say . . . to tune to 1610 for Custer State Park info, but the message is entirely about Mount Rushmore and the station is not audible in Custer State Park. (TRH-SD3)
- 1610 KOJ761? UT Zion National Park - 5/22 0402 - This station continues to get out well. Noted at Nevada/Utah state line near Wendover, UT with information about the Lodge and Visitor Center. (TRH-NV1/UT1)
- 1610 WPLP689 WY Alpine Junction - 5/22 1539 - Wyoming DoT mobile HAR station, with info on road delays for US 26/89 in the Alpine Junction area. (TRH-WY2)
- 1610 HAR WY Cheyenne - 5/24 0212 - HAR is testing with short message: This is the Wyoming DoT/Colorado DoT HAR system on 1610 AM. Station is located in Cheyenne (per local monitoring there on 5/31) and really gets out. (TRH-WY4) Also noted - 5/26 0013 - from Elephant Head (TRH-WY5) And on - 5/30 0628 - Gets into SD at night, too. (TRH-SD3)
- 1610 KOC744 WY Fort Laramie National Historical Site - 5/30 1345 - Fantastic midday signal. First noted from about 40 miles north on US 85. Tape loop contains the phrase Welcome to Southeast Wyoming, one of America's most historic locations . . . This is my unID from Teasdale, UT in 1997! (TRH-WY2)
- 1610 (TIS) WY Grand Teton National Park - 5/22 and 5/23 - No sign of the national park TIS listed at the south entrance. I doubt there's been one for a while, given the Wyoming DoT stations active in the area. (TRH-WY2)
- 1610 WPLP689 WY Hoback Junction - 5/22 1539 - Wyoming DoT mobile HAR station, with info on road delays for US 26/89/189/191 in the Hoback Junction area. (TRH-WY2)
- 1610 WQO681 WY Laramie - 5/31 1225 - Wyoming DoT HAR using these temporary calls, and getting out very well. Audible about 25 miles NE on Wyoming 34 with seasonal road information for Wyoming Highway 130 and other roads leading out of Laramie. I show a WPJ2253 licensed at this location. (TRH-WY2)
- 1610 (WNII729) WY Sheridan - 5/26 1810 - This station is still silent, but signs are still up on I-90 northbound and southbound. (TRH-WY2)
- 1610 KOP718 WY Yellowstone National Park (Bridge Bay-Lake Village) - 5/25 1328 - Noted with inside-the-park tape loop (mostly about keeping proper distance from wildlife). Using these calls as opposed to listed KOD718 (Fishing Bridge). Listings for KOP722 (Bridge Bay) and KOP717 (Steamboat Point) appear to be obsolete. I also found no evidence of a station on 1550 in this part of the park as had been reported by someone a few years ago. (TRH-WY2)
- 1610 (TIS) WY Yellowstone NP (KOP720 Canyon Campground / KOP729 Hayden Valley / KOP709 Mud Volcano) - 5/24 and 5/25 - No sign of these stations when we were in this area on these two afternoons. The one at Canyon may still exist, as this part of the park was only partially open for the season. Mud Volcano appears to have no transmitter/antenna. (TRH-WY2)
- 1610 KOP701 WY Yellowstone National Park (East Entrance) - 5/25 1812 - TIS noted with park

1870 KGNO

K IKS 1370 AM
99.3 FM
Iola Broadcasting, Inc.
Box 710
Iola, Kansas 66748

- entrance tape loop with general info for people entering the park (mostly about hunting and fishing permits). Using these calls instead of listed KOP707. (TRH-WY2)
- 1610 (KOP721) WY **Yellowstone National Park (Grant Village) - 5/23 1910** - No sign of this station when we were in this area. It may still exist, as this part of the park was only partially open for the season. (TRH-WY2)
- 1610 (TIS)WY **Yellowstone National Park - (KOP725 Lamar Valley / KOD711 Mt. Washburn / KOP712 Tower Campground) - No sign of these stations when we were in this area the afternoon of 5/24.** They may still exist, however, as this part of the park was only partially open for the season. (TRH-WY2)
- 1610 KOP714 WY **Yellowstone National Park (Madison Junction) - 5/23 2033** - TIS at Madison noted with inside-the-park tape loop (mostly about keeping proper distance from wildlife). I saw no evidence of transmitters at individual geysers and other exhibits in this region of the park, so the listings for the following stations appear to be obsolete: KOD713 (Artist Paint Pots), KOP716 (Biscuit Basin), KOD712 (Firehole Lake Drive), KOP723 ("Fireology"), KOP719 (Fountain Flats), KOD710 (Indian Creek), KOP715 (Midway Geyser Basin), KOP726 (Norris Geyser Basin), KOP713 (Old Faithful), and KOP727 (Willow Creek-Moose Exhibit). (TRH-WY2)
- 1610 KOP708 WY **Yellowstone National Park (Mammoth Hot Springs - North Entrance) - 5/24 1355** - Noted with general info for people entering the park, using these calls. I don't see any way that KOP724, also listed at the Mammoth north entrance, could exist. I would guess this station is at the visitor center in Wyoming, not across the border in Montana as earlier listings have suggested. (TRH-WY2)
- 1610 KOP711 WY **Yellowstone National Park (Snake River-South Entrance) - 5/23 1835** - TIS for South entrance, noted with general info for people entering the park. (TRH-WY2)
- 1680 TIS CA **Lake Tahoe - 5/21 1934** - North Star Ski Resort TIS, noted as we passed through Truckee, with info about summer golf packages at the resort. Didn't get out as well as I would have expected. (TRH-CA1)
- 1680 WPPD841 CA **Pescadero - 6/14 0200** - Heard, while driving near Half Moon Bay, CA on a '95 Toyota car radio. (BK-CA)
- 1700 WPPP201 CA **Moffett Federal Airfield - 6/1 1211** - NASA Public Information Radio Station. (BK-CA)

DDXD-WEST LOGGINGS

- 540 KNAK UT **Delta** - First noted (but not identified) 6/10 0120 with **Chuck Harder** show and cancer cure ads. On 6/11, ID heard 0300 following religious chorale and orchestral music. Bonneville format announcement heard 0302. On 6/12, the owner said they lost their program relay and were having transmitter problems. Still blasting away at good level 6/24 0100. CBK looped; minimal XEJAZZ). (PT-WA)
- 640 KTIB LA **Thibodaux - 6/19 0545** - Oldies, then *Good Times and Great Oldies*. KTIB *Thibodaux-Houma*. May have been on day pattern/power; over usuals KFI/WWLS. [Ed.-TX]
- 680 WCNN GA **North Atlanta - 6/19 0530** - Soft Urban standards with female announcer. No IDs heard, but **Steve Francis**, in a post to the am@nrxdxas message center, says it was WCNN. Over usual KFEQ. Thanks, **Steve!** [Ed.-TX]
- 740 WIRJ TN **Humboldt - 6/22 0155** - Fair, with promo, R&B oldies. (JJR-WI)
- 760 KTKR TX **San Antonio - 6/20 0550** - In surprisingly well, with lots of San Antonio mentions and sports talk. A friend in Waco commented they were interfering with KAAM-770. Suspect pattern problems, as neither day nor night pattern favors the north. New here. [Ed.-TX]
- 790 KFYO TX **Lubbock - 6/19 0628** - ID as KFYO, *Lubbock. News and Information for the Southern Plains*. New. [Ed.-TX]
- 940 WMIX IL **Mount Vernon - 6/25 0437** - CL ID, then song *Come Saturday Morning*. Good signal. (GH-KS)
- 940 KXTK IA **Des Moines - 6/22 0223** - Fair and alone. Very rare here. 93-3 KIOA // FM oldies. (JJR-WI)
- 960 CFAC AB **Calgary - 5/22 0152** - Quite strong, with local KABL nulled. (BK-CA)
- 1050 CJNB SK **North Battleford - 5/22 0345** - Good, with country music, and *Saturday mornings you pick the music on CJNB*. (TRH-UT1)
- 1060 KDUS AZ **Tempe - 6/17 0612** - ID as KDUS *Tempe-Phoenix*, the One-on-One Sports. (GH-KS)
- 1170 KJOC IA **Davenport - 2/22 0240** - Poor, with *K-jock* and a long string of cities. Legal ID into



5315 W. 76th P.O. BOX 4407 - TORONTO, CANADA M3J 1K6

- One-on-One Sports. Rare here. (JJR-WI)
- 1170 WMRH WI **Waupun - 6/22 0252** - Fair, with ... on WMRH-AM. MoYL format, but why were they on??? Supposed to be days only. Legal ID at 0300 into news. (JJR-WI)
- 1210 KGYN OK **Guymon - 7/1 0045** - Arose from usual mess with C&W music and call letter IDs between songs. Unusually strong. (BL-CA)
- 1230 KXLO MT **Lewiston - 5/25 0702** - ABC News, network ads, and promos that their entire broadcast day was simulcast on <http://www.kxlo-kbcm.com>. (TRH-WY4)
- 1230 KELY NV **Ely - 5/25 0305** - Faded up for ID. Nice surprise. (TRH-WY4)
- 1230 KVOC WY **Casper - 5/30 0008** - Noted with satellite NOS format and ID. Like many satellite NOS stations, this rarely IDs and almost never runs local ads. (TRH-SD3)
- 1240 KSMA CA **Santa Maria - 6/28 1315** - Briefly above the chaos with local spot and clear KSMA ID. One of several relatively near newbies caught on graveyard channels in recent weeks. (BL-CA)
- 1270 KDJI AZ **Holbrook - 6/20 0806** - With ESPN Radio ad, calling itself KDJI, *ESPN Radio for Northeastern Arizona* (KDJI is now full time ESPN). Then into an ad for the **Navajo Demolition Derby**. (KR-AZ)
- 1270 WFRN IN **Elkhart - 6/10 2106** - Poor, with AM 1270 WFRN by jock into weather. Never hear this at night. No WKBF. (JJR-WI)
- 1370 KJCE TX **Rollingwood - 6/19 0515** - Very good, with R&B tunes and Austin mentions. Unusual to hear them here with 1360 splatter. [Ed.-TX]
- 1380 KHJJ CA **Lancaster - 6/20 0800** - With ToH ID as KHJJ *Lancaster-Palmdale*, then into news. (KR-AZ)
- 1400 KVBL CA **Visalia - 7/1 0100** - Caught legal ID, with local KVTO momentarily quiet and partially nulled. KVBL went right back to live play-by-play. (BL-CA)
- 1400 KBJM SD **Lemmon - 5/28 2305** - End of Country Countdown program, weather for South and North Dakota, sign-off with a capella country-style national anthem at 2312. (TRH-SD3)
- 1480 KYOS CA **Merced - 6/10 0805** - *News Talk 14-80* KYOS slogan and ID. (AB-CA)
- 1480 KRXR ID **Gooding - 6/29 2200** - English ID after half an hour of Spanish telephone talk. Decent signal, mixing with KGOE. This one probably didn't power down to 61 watts as they're supposed to. The telephone talk sounded odd ... neither person sounded like they were in studio - sounded like I was listening in on an old-fashioned party line. (BL-CA)
- 1490 KICO CA **Calexico - 6/2 0800** - With KICO. Even with KRKC which was airing CBS News. (AB-CA)
- 1490 KOWL CA **South Lake Tahoe - 6/17 0831** - Musical ID, local weather - possible afternoon t-storms. (AB-CA)
- 1490 WDBQ IA **Dubuque - 6/22 0122** - Poor, with *News Talk 1490 WDBQ* popping out of nowhere, into ad and into mess. (JJR-WI)
- 1490 KLGR MN **Redwood Falls - 5/27 0056-0200** - Dominating the channel with local ads and weather, CDT time checks, and ABC News on the hour. Sign-off at 0158 mentioned they would return at 0630. A capella country-gospel style national anthem. Probably my best catch of the trip, and it came from a noisy hotel room where many channels were completely unusable. (TRH-WY6)
- 1510 WNRB MA **Boston - 6/22 0206** - Fair, through WLAC's OC, with One-on-One Sports, two network ads and AM 1510 *Boston* into sports. Super rare here! (JJR-WI)
- 1520 KMPG CA **Hollister - 5/24 1202** - VID: *This is KMPG 15-20 Hollister* in EE Then program in SS. NEW. (BK-CA)
- 1570 KTGE CA **Salinas - 6/1 1200-1230** - SS programming. IDs often as *Radio Tigre* (TEE-gray) followed by a tiger growl. NEW. (BK-CA)
- 1570 WGSR FL **Fernandina Beach - 6/10 0408** - Poor, though clear, with WGSR *Star 1570* slogans and MoYL. No WFUR/WKBH. Rare here. (JJR-WI)
- 1620 KSMH CA **Auburn - 5/22 1308** - With religious talk from EWTN. QRM from Radio Milpitas WGJ634. NEW. (BK-CA)
- 1630 KKWY WY **Cheyenne - 5/31 1600** - Station is still getting out poorly. Does not even register on a car radio "scan"! Both Denver X-band stations were much louder than KKWY while I was in downtown Cheyenne. (TRH-WY2)
- 1650 KGXLp CA **Torrance - 6/3/00** - With very strong and in the clear signal. Programming was music in the Korean language. (KR-AZ)
- 1690 (KSXX) CA **Roseville - 5/21 1515** - No sign of this station testing as we passed through Roseville today, or two weeks later. (TRH-CA1)



GRAVEYARD DX UPDATE

indicates record held from Alaska or Hawaii

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

1230 kHz:

Miles

KVOC WY Casper Tim Hall Custer State Park, SD *230

1340 kHz:

KEWE CA Oroville Tim Hall Emigrant Pass, NV *302
KRLV NV Las Vegas Tim Hall Winnemucca, NV *359

1450 kHz:

WMOG GA Brunswick Russ Edmunds Parsippany, NJ *778

1490 kHz:

KICO CA Calexico Art Blair Folsom, CA *521



DDXD-East

Bob Galerstein WB2VGD writes, "This is my first contribution since you became editor. Congrats!!". Well, thanks to you, Bob, for submitting! He also says "I'm sending the info via email...but if you want me to resubmit with an attachment, let me know". Brings up a good point, Bob. I like a regular e-mail without attachment. And to all submitters, remember to turn off the HTML and post in regular text.

Given that this column is being assembled on Independence Day, I am pleased to see the relatively high number of loggings and other entries. Summer does bring with it poorer DXing conditions, and several correspondents have noted that the past two months have been much less than optimal for reception. Still, a casual spin of the dial last night (OK...casual clicking on the mouse to tune my LF-modified RX-320) revealed several stations I hadn't heard in months. So don't despair; the DX season really begins every time you power up your receiver!

STATION NEWS

- 640 WMFN MI Zeeland - 6/01 - Drops BIZ format for a TLK/SPT/NOS hodge-podge, including segments from *One-on-One Sports* (1800-2100); The Bob Grant Show (1500-1800); and NOS from WestWoodOne (2200-0600). Uses calls at Top of Hour ID only, otherwise it's "AM 640". (PLB-MI)
- 1280 WADO NY New York - A station employee told me they have begun sporadic nighttime testing of both the new day and night powers. They hope to be fulltime with them soon. (BG-NJ)

UNID, UNID HELP & PRESUMED

- 730 UNID _____ - 4/27 2015-2100 - Strong at times with NOS music; no announcement until garbled sign-off at 2100. WNAK? (JF-ON)
- 1240 WBGC(p) FL Chipley - 6/01 2159 - Female "Drop it off at our studios at 901..."; in jumble. It's the only matching address in the Log. (SK-PA)
- 1460 WXEM(p) GA Buford - 5/24 1945-2004 - POP "L. A. Ranchero" music. No ID but only close format on this frequency. (DT-JWI)
- 1550 UNID _____ - 4/27 1944 - *Viva Las Vegas* by Elvis, followed by "The station that specializes in the '50s, Oldies 95" into another oldie. WTTTC? (JF-ON)
- UNID _____ - 5/6 0215 and 5/8 0115 - C&W simulcaster, heard ID as "The tri-state's _____ country, W_SC," or calls like that. Only mentioned the FM frequency, which was difficult to make out. Also noted an UNID *One-on-One Sports* station. Neither is 1550 Pittston, PA, as that was also noted with light rock. (BG-NJ)
- 1600 WKWF(p) FL Key West - End of *One-on-One Sports Flash*. It's the only affiliate listed at 1600 in the Log. (SK-PA)

LOGGINGS

- 600 CBNA NF St. Anthony - 6/20 2225 - Good; classical music // CBA 1070. (BC*ME)
- 620 WTGH SC Cayce - 6/24 0827 - BGOS programming; announcements for local churches, then ID. (RJ-NC)
- WDAE FL St. Petersburg - 6/26 0600 - Sports call-in show. Talk about Atlanta Braves trade rumors. Last heard as WSUN. (RJ-NC)

- 710 WFNR GA Blacksburg - 7/01 0644 - Promos for CBS Radio News; local news updates for the New River Valley. *One-on-One Sports* call-in show and ads for cellular phones. / / 100.7. Copied through partially-nulled WZOO. (RJ-NC)
- 740 WTAW FL Boca Raton - 5/02 2218 - Talk show; ad for firm in Broward county. Interference from WIAC; poor. (DT-JWI)
- 770 WZCM VA Young Harris - 7/01 0624 - Ad for Georgia Mountain Festival, local planetarium and GOS programming. (RJ-NC)
- WAIS OH Buchtel - 6/26 0012 - Weather; WAIS jingle. Same jingle at 0030. Some strong peaks but couldn't get over WABC. Could be testing. When last heard, they only ID'ed as WSEO 107.7. (SK-PA)
- 780 WCKB NC Dunn - 6/24 0850 - Ad for Dunn Heating & AC on Broad Street in Dunn, then a call-in swap/sell show. (RJ-NC)
- 810 WPIN VA Dublin - 5/25 2015 - REL music; "The Inspirational Newscast"; promo for station program and ID; heard after WYRE sign-off with SSB. (WM-MD)
- 860 WFMO NC Fairmont - 6/24 0905 - BGOS format; "You're listening to Inspirational 860". (RJ-NC)
- 870 WLAM ME Gorham - 6/21 2000 - Good; "WLAM Gorham-Portland, WZOU Lewiston-Auburn, WLAM-FM North Windham. We are The Jewels"; ABC news, easy listening/NOS music. (BC*ME)
- WFLO VA Farmville - 6/24 0905 - Caught ID/jingle for station coming out of the news report. (RJ-NC)
- 880 WRFD OH Columbus - 6/14 2050 - Religious program; weather; male with closing announcements; ID "AM 8-80 WRFD Columbus-Worthington"; off without anthem; left WCBS instead of KRVN—shucks; Good. (HF-MI)
- 890 WBAJ SC Blythewood - 5/29 0745 - Religious call-in show. Programming a part of "Amazing Facts" organization. Female announcer with ID at Top of Hour. (RJ-NC)
- 920 WOKY WI Milwaukee - 6/10 2020 - "The best music in town, AM 9-20 WOKY"; EZL oldies; spot for "When Radio Was"; mainly over CKNX; Fair. (HF-MI)
- CKNX ON Wingham - 6/10 2020 - "Country 9-20 CKNX"; ad for Diamond Dodge on Highway 8; mainly under WOKY; Poor. (HF-MI)
- WTCW KY Whitesburg - 6/11 0035 - Station promos; ID given as "K-104" [// WTCW -MS]; e-mail address as WXXQ. (WM-MD)
- 980 WBZK SC York - 6/24 0927 - John Deere tractor ad, Beach Boys song, PSA for safe speeds in work zones; "Proud Mary" by Creedence Clearwater Revival. (RJ-NC)
- 1060 WAMT FL Titusville - 5/09 1855-1900 - OLD pop music; ad for firm in Mims; poor under UNID SS. (DT-JWI)
- 1070 WSCP NY Sandy Creek - 6/03 2049-2104 - Good at times with WKOK in CHOK phase null, with C&W request program. New; another one on my most-wanted list. (JF-ON)
- 1080 WKKE NC St. Pauls - 6/24 0942 - Ad for Furniture store in Lumberton, ad for car sales in Red Springs, ad for restaurant in St. Pauls. Very weak. (RJ-NC)
- 1100 WWWE HA Hopeville - 6/17 2013 - Ad with phone number 222-1421, call letters, then back to SS music. Mostly under WTAM until probable sign-off at 2130. (SK-PA)
- 1120 WUST DC Washington - 6/24 2014 - Interview on the "Community Forum" program with Falls Church, VA mailing address; reference to "New World Radio". (RJ-NC)
- WXJO GA Gordon - 6/24 2017 - BGOS format. "The New Heaven 11 - WXJO". (RJ-NC)
- 1170 WAVS FL Davie - 5/13 1958-2015 - Caribbean music, talk; ID as "on WAVS Radio"; poor under UNID SS. (DT-JWI)
- WDFB KY Junction City - 6/26 2025 - Canned ID "Great Gospel music, WDFB". Poor. (SK-PA)
- WDIS MA Norfolk - 6/26 2030 - "WDIS must leave the air at this time". Through WDFB. (SK-PA)
- 1200 WXIT NC Blowing Rock - 7/01 1115 - This was fun. Listened to 2 hours of Car Care Radio Show hosted by Bobby Lykus with *USA Radio News* updates at Top of Hour. I never once heard an ID or a local ad. Finally called the number in AM Log and got someone at the FM affiliate. He confirmed that I was listening to WXIT. Didn't seem surprised that I had not copied a local ID. "Well, when they leave on Friday, they just put that station on auto-pilot, with everything coming off the satellite until Monday". (RJ-NC) [Guess I can forget trying to get a weekend gig there! - MS]
- 1230 WESX MA Salem - 6/21 1715 - Good; "Unforgettable music on WESX 1230 AM" and NOS.



P.O. BOX 1478
715 HARRISON
TOPEKA, KANSAS 66601

- (BC*ME)
- WQDY ME Calais - 6/21 1720 - Fair; "Hometown Radio WQDY WALZ" IDs, but top of the hour ID as "International Radio WQDY Calais, Maine; St. Stephen, New Brunswick, 1230 AM 92.7 FM and WALZ Machias, Maine 95.3 FM" into ABC news. (BC*ME)
- WMPC MI Lapeer - 6/17 2020 - Religious music to ID "WMPC Lapeer" at bottom of hour, then "In Touch" religious program; challenge by NOS music station; Fair. (HF-MI)
- WOIC SC Columbia - 6/08 2200 - "Our seventh decade: WOIC, Columbia" shot up in jumble. (SK-PA)
- 1260 WMMM CT Westport - 6/05 1959 - End of NPR program; WSHU ID heard in WNSS-WRIE mix. 2 CTs to go. (SK-PA)
- WRIE PA Erie - 6/05 1959 - Ad for Cleveland Indians shop in Erie; starting line-ups. Ads at 2003 for tire shop and restaurant. "Your home for the Cleveland Indians". Game started then signal clear for five minutes. Never heard on top before. (SK-PA)
- 1280 WKYY KY Lancaster - 5/25 0100 - Partial canned ID "You are listening to WKYY Lancaster..."; with second city, possibly Lexington; then news. In slight WFBS fade with both stations under WADO open carrier. (SK-PA)
- 1290 WDZY VA Colonial Heights - 6/21 2335-0000 - Noted with usual Disney fare; // most times to local WQEW. Also heard ID's with kids voices mentioning "WDZY" and "Radio Disney for Richmond." First time heard, often topping channel and noted the same the next night. Someone forget to flick the switch? (BG-NJ)
- 1310 WTZN PA Troy - 5/27 0200 - "Laser" sound, then "AM 1310 WTZN Troy-Canton"; back to ESPN. Last heard as WHGC. (SK-PA)
- CIWW ON Ottawa - 6/20 2005 - Canned ID by the same guy who voices them for WPHT: "CIWW Ottawa: Oldies 1310". Several people have said they never give a full ID. (SK-PA)
- 1320 WAGY NC Forest City - 6/20 2007 - Promo for program "on WAGY". Shot up in the mud then right back down. (SK-PA)
- 1340 CJLS NS Yarmouth - 6/21 1700 - Excellent; IDs as "The Wave, CJLS"; Broadcast News and AC music. (BC*ME)
- WLEW MI Bad Axe - 6/17 2034 - "WLEW's Weather Center"; ads for Family Farm Supply Center and Garfield Inn of Port Austin; spot for Allen's Country Kitchen program; "AM 13-40 WLEW"; C&W music; Good. (HF-MI)
- WVNR VT Poulney - 6/29 2300 - Heard part of simulcast ID barely above the graveyard rumble, "...and 94.1 WNYV, Whitehall and Glens Falls." (BG-NJ)
- 1350 WOYK PA York - 6/07 2325 - Promo for event at Mirage Center in York; "SportsRadio 1350". (WM-MD)
- 1380 WONO IN Fort Wayne - 2054 6/10 - "You're listening to Wizards baseball on WONO 13-80, The Game"; ad for K&P? Telecom; mainly over Tigers Baseball on WPHM(p); Fair. (HF-MI)
- CKLC ON Kingston - 6/23 2113 - Fading out with live DJ "1380 CKLC. Listen for...". "Sweet Dreams" started then faded back up but dropped out suddenly at 2116. (SK-PA)
- 1400 WEZW ME Augusta - 6/21 1710 - Good; "92 Moose, the number one hit music station" simulcasting WMME 92.3 FM. (BC*ME)
- WANI AL Opelika - 5/29 2117 - ID by female "AM 14 WANI"; back to Bruce Williams. Shot up in jumble. (SK-PA)
- WSGC GA Alpharetta - 6/15 0000 - ID rose up in jumble "WSGC, Alpharetta", then ABC News. Last heard as WLTA. (SK-PA)
- WEOA IN Evansville - 6/17 0200 - "1400, WEOA Evansville-Chandler", then ABC News. Atop jumble. (SK-PA)
- WCCY MI Houghton - 6/19 0200 - "This is the Music of Your Life on AM 14, WCCY". Popped up in jumble. (SK-PA)
- KAOK LA Lake Charles - 6/28 0000 - Message from Association of Broadcasters, then "NewsTalk 14, KAOK". Strong in jumble. (SK-PA)
- 1420 WAMV VA Amherst - 5/29 1959 - "Your ___ for ___, WAMV.com". Atop the flutter—barely. (SK-PA) [Is Dotcom north or south of Amherst? - MS]
- 1440 WRBP OH Warren - 6/08 0055 - ID "The Best of the Old and New, Power 1440". (WM-MD)
- KDIZ MN Golden Valley - 5/25 2045 - Kids yelling "Radio Disney".



- + 5/26 2108 - Two DJs giving request line number 376-1627. QSL on 6/09. (SK-PA)
- WNYG NY Babylon - 5/25 2046 - Now has oldies. WNYG jingles at 2047 and 2102. Atop or in mix until WRBP takeover at 2125. All music; no talking heard. (SK-PA)
- 1450 WRKD ME Rockland - 6/21 1600 - "You're listening to the All News/Talk 1450, WRKD Rockland"; CNN Radio news, and Dr. Laura. (BC*ME)
- WAOV IN Vincennes - 5/27 0000 - End of Sports Byline; partial ID "1450 WAOV", then CBS News. Strong in jumble. (SK-PA)
- 1460 KDMI IA Des Moines - 6/04 0015 - Poor with CKOY phased with ID and weather report. Ex-KSO and KGGO for me. Been after this for a long time. Used to have pest status in the KSO days. (JF-ON)
- WRAD VA Radford - 6/11 0207 - Canned ID "1460 WRAD" after Ray Charles song. (WM-MD)
- WEMR PA Tunkhannock - 5/27 2000 - ID during 3WG fade "WKJN Carbondale, WEMR Tunkhannock, WAZL Hazelton". Only second positive ID. (SK-PA)
- 1490 CKEN NS Kentville - 6/21 1920 - Good; "AVR Weatherline" promo, IDs as AVR, and C&W music. (BC*ME)
- WHAV MA Haverhill - 6/08 0107 - EE ID while fading up "You're listening to 1490 WHAV", then SS music. Years of patience finally pay off. ID is never given at Top of Hour despite having it clear many times. (SK-PA)
- 1520 WLGC KY Greenup - 5/29 2125 - Poor, in and out with calls and C&W music. New. (MB-IN)
- 1540 CHIN ON Toronto - 6/28 1946-2400 - Greek? program; woman announcer mentioned "Macedonia" & "Carmen" several times, vocal music; ID spots before Top of Hour in EE & LL "CHIN AM 15-40 & FM 103"; "From CHIN Radio this is the Voice of Tamil Radio" in EE & LL then continues in LL; Good. (HF-MI)
- 1550 WMRE WV Charlestown - 6/03 2015-2020 - Roy Orbison song; ID with "Memories 1550". (WM-MD)
- 1580 WTCL FL Chattahoochee - 5/21 2105-2132 - Fair at times over jumble with UC/GOS music, IDs; way overboard. Ex-WSBP for me. (JF-ON)
- + 4/29 2003-2046 - UC music; ad for help at station: "Call 663-5527" and mention of WTCL; poor with interference from XEDM and UNID SS. (DT-JWI)
- 1600 KLEB LA Golden Meadow - 5/29 2317-2323 - Cajun music; ID as "1600 AM, KLEB". Fading; under WMNE and WKWF. (DT-JWI)
- WMNE FL Riviera Beach - 6/08 1955 - Canned ID by kid "AM 1600, Radio Disney" in mix. (SK-PA)
- 1630 KCJJ IA Iowa City - 5/29 2039-2049 - Play-by-play high school girls' softball game; ID as "Iowa City softball on KCJJ"; fair. (DT-JWI)
- 1650 KDNZ IA Cedar Falls - 5/27 2352-0000 - sports talk show; ID as "You are listening to Talk KDNZ 1650, 10 kW, from Cedar Falls..." poor over and under WHKT. (DT-JWI)

TIS AND MISCELLANEOUS

- 1610 WDCD 866 MI Isabella Co. - 6/08 1105; 6/10 1050; 6/11 1910 - Relay 162.475 MHz. NOAA station, "This is NOAA weather radio station KIH29 in Clio"; automated male with Great Lakes area & central MI weather repeated loop; ID "Welcome to WDCD 866, transmitting local traffic information on 16-10 kHz from the Isabella county building. This station is intended to broadcast local traffic, weather conditions and points of interest with an authorized power of 10 watts"; Poor/Fair. (HF-MI)
- 1620 WRN-736 NC Charlotte - 7/01 0810 - Weak. Copied as WRN-736, but may be missing a letter. Transmitting weather report info and weather statistics. Copied "Welcome to North Carolina." Presume it is coming from Charlotte airport or possibly a NC-SC highway border. (RJ-NC)
- 1630 UNID MD _____ - 6/22 2130-2200+ - Two stations with identical messages: one male voice; the other, female. "thank you for tuning to the Maryland State Highway system travel advisory radio. This station will provide you with specific highway information... Carbon copies have been heard on 1620 and 1640. (SK-PA)
- 1680 WTIR FL Winter Haven - 5/28 0007-0010 - Travel info, weather; lots of Orlando area ads. Fair. (DT-JWI)

OFF THE INTERNET

- 1050 WBNC NH Conway - Has been off the air since this past Friday night (6/2/00). I don't know

if this is permanent. The parallel FM WBNC-FM 104.5 still gives IDs on the hour as "WBNC and WBNC-FM". I'm spending the week in Conway (just about four miles from the transmitter). It was on the air the Friday afternoon I arrived; it's been gone since then. The stations have recently switched from a satellite country format to a satellite oldies format (maybe a month ago). (JB*NH)



1580 WSMO NC **Camp Lejeune** - I happened to note the following (live or canned - couldn't tell for certain) during regular programming: "You're listening to WSMO 1580, the very best in classic country and bluegrass music". Not certain if that's really new, but didn't note mention of GOS music—which they used to announce. I just noticed today that their offices have moved and I'll try and find out if there's a new address. (MH-NC)

ADDRESS UPDATES

- 750 WWKK MI **Petosky** - Need address. Directory assistance has no listing. (SK-PA)
- 940 KXTK IA **Des Moines** - 1416 Locust Street; correct zip is 50309. (GHD-WV)
- 940 WOGI PA **Charleroi** - 123 Blaine Road, California, PA 15419. 724/430-0949. (GHD-WV)
- 1160 WOBM NJ **Lakewood Township** - P.O. Box 927, Toms River, NJ 08754. 732/269-0927. (GHD-WV)
- 1260 WWVT VA **Christiansburg** - 4235 Electric Road, SW, Suite 105, Roanoke, VA 24014-4145. 540/989-8900 or 540/387-5000. (GHD-WV)
- 1280 WFBS PA **Berwick** - 114 Market Street, Berwick, PA 18603. 570/752-8012 (I don't have dyslexia; I guess 1280 was taken). (SK-PA)
- 1370 WLTH IN **Gary** - 2009 Broadway, Gary 46407. (GHD-WV)
- 1490 WMOG GA **Brunswick** - 3833 U.S. Highway 62, Brunswick, GA 31523-7735. 912/267-1025. (SK-PA)
- 1550 WTTC PA **Towanda** - 204 Desmond Street, Sayre, PA 18840. 570/888-7745. New address and phone number per QSL. (SK-PA)
- 1600 WMNE FL **Riviera Beach** - Address is not valid; no listing with directory assistance. (SK-PA)
- 1620 KW039 IL **Chicago** - National Weather Service, Forecast Office, 333 West University Drive, Romeoville, IL 60446-1804. (GHD-WV)
- WTAW TC **College Station** - P. O. Box 3248, Bryan, TX 71805. (DT-JWI)

REPORTERS

- PLB-MI Phil Boersma Spring Lake.
- MB-IN Mark Burns Terre Haute - R-8, Kiwa Loop; 80' RW.
- BC*ME Bruce Conti Camden - camping DXpedition - Lowe HF-225 Europa, MWDX-5; NE & SE sloping wires.
- GHD-WV Harley DeLeureux Hendricks - Station addresses.
- JB*NH John Bolduc Derry - On the road in NH.
- JF-ON Jeff Falconer Clinton - Drake R8B; 45' vertical; 120' random-wire (noise reduced via 9:1 transformers); terminated EWE antenna; modified MFJ-1026; Timewave DSP-599zx.
- HF-MI Harold Frogge Midland - Icom R71A; MFJ-956 tuner + 85'/170' RW's; 125' single loop.
- BG-NJ Bob Galerstein Maywood - Drake R8B, Kiwa loop.
- MH-NC Mike Hardester Fayetteville - Toyota Camry radio with fender antenna. [Love their guitars, too! - MS]
- RJ-NC Russ Johnson Lexington - CCRadio, Sony 7600G; various loops.
- SK-PA Steve Kennedy Coal Township - GE SuperRadio III; indoor wire.
- WM-MD William McGuire Cheverly - DX-398.
- DT-JWI Don Trelford St. Ann's Bay, Jamaica West Indies - Kenwood R-2000; long wire NS-EW.

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 Helten. \$6.50 for members, \$9.95, non-member. Order items CCR from the MRC Publications center; NY residents, please include sales tax.

International DX Digest

Jim Renfrew renfrew@localnet.com
61 Wilcox Street
Rochester, NY 14607-3832

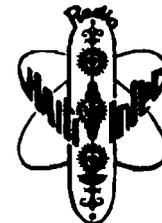
Foreign DX Catches. Times are UTC; for ELI, subtract 5 hrs.

Even though I've had a month to do the column, I've waited until the last minute again. When this one is done, I'm off to the Adirondacks for a few days of camping. I hope you're having fun somewhere, too!

Jim

TRANS-ATLANTIC DX

- 549 ALGERIA Les Trembles, JUN 100057 - Arabic talk by man; to fair peak. [Connelly*Y-MA] JUN 15 0154 - Arabic vocal and oud music; over Germany. [Connelly*R-MA] JUN 21 0120 - Excellent; Arabic vocal // 153. [Conti-ME]
- 567 IRELAND RTE Radio 1, Tullamore JUN 21 0205 - Good; fiddle and country music, splash from code and minute markers of R.Reloj-Cuba. [Conti-ME]
- 576 CANARY ISLANDS // SPAIN RNE5 synchros, JUN 15 0152 - Spanish talk // 774; poor to fair, over Algeria. [Connelly*R-MA]
- 585 SPAIN RNE1, Madrid, JUN 15 0152 - // 774 with Spanish group discussion; poor, over low growl. [Connelly*R-MA] JUN 21 0210 - Good; discussion in Spanish // 531. [Conti-ME]
- 594 PORTUGAL (t) R. Renascenca, Muge, JUN 15 0156 - light music; in slop. [Connelly*R-MA]
- 603 SPAIN RNE synchros JUN 21 0215 - Fair; discussion in Spanish // 531. [Conti-ME]
- 612 MOROCCO Sebaa-Aioun, JUN 15 0152 - female Arabic vocal at light audio level on a massive carrier; way over Ireland. [Connelly*R-MA]
- 621 CANARY ISLANDS // SPAIN RNE1 synchros, JUN 15 0150 - two men in Spanish // 774; HUGE signal, S9+25 or better (as strong as ever heard in autumn or winter). [Connelly*R-MA]
- 639 SPAIN RNE1, La Coruna, JUN 15 0149 - // 657, 774 et al. with Spanish discussion; fair with CBN het notched. [Connelly*R-MA]
- 657 SPAIN RNE5, Madrid, JUN 15 0149 - // 774 with slow Spanish talk; fair to good over WFAN splash. [Connelly*R-MA]
- 675 NETHERLANDS R. 10, Lopik, JUN 15 0158 - '70s era country-influenced pop female vocal; poor in WRKO slop. [Connelly*R-MA]
- 684 SPAIN Sevilla JUN 21 0315 - Excellent; "Buenos dias" with rooster crow, Bruce Springsteen hit, then RNE promo with "Radio Uno y Radio Cinco" ID and telephone talk mentioning las Canarias. [Conti-ME]
- 693 UNITED KINGDOM BBC, Droitwich et al., JUN 15 0200 - BBC news; mixed with other station (Spain?). [Connelly*R-MA]
- 693 SPAIN RNE synchros JUN 21 0325 - Fair; telephone talk // 684. [Conti-ME]
- 747 NETHERLANDS Flevoland, JUN 15 0146 - Dutch talk; mixed with Canaries-Spain. [Connelly*R-MA]
- 747 CANARY ISLANDS // SPAIN JUN 15 0146 - Spanish talk; over/under Netherlands. [Connelly*R-MA]
- 756 SPAIN R.Euskadi/R.Vitoria, Bilbao JUN 21 0200 - Good; "Radio Euskadi, Radio Vitoria, servicio informativa" news well over Germany. [Conti-ME]
- 765 SWITZERLAND RSR, Sottens, JUN 15 0145 - 1986 hit "Human" by Human League; fair to good. [Connelly*R-MA] JUN 21 0145 - Good; ID in English "...on cable in Switzerland, in ...on 103.85, and here in Europe via satellite," adult contemporary music. [Conti-ME]
- 774 SPAIN RNE1 synchros, JUN 15 0142 - Spanish discussion; to fair peak. [Connelly*R-MA]
- 836 AZORES RDP, Pico da Barrosa, JUN 15 0140 - woman in Portuguese; poor, at similar level to Canaries-837. [Connelly*R-MA] JUN 21 0040 - Fair; pop music easily separable from COPE-Canary Islands on 837. [Conti-ME]
- 837 CANARY ISLANDS COPE Las Palmas JUN 21 0040 - Excellent; telephone talk with host Maria. [Conti-ME]
- 891 ALGERIA Alger Chaîne 1, Alger JUN 21 0245 - Good; Arabic vocal and instrumental music // 153. [Conti-ME]
- 1017 SPAIN RNE5 synchros, JUN 15 0109 - Spanish talk mixed with suspected German; poor. [Connelly*R-MA]
- 1026 SPAIN SER synchros JUN 21 0220 - Fair; telephone talk, synchro echo. [Conti-ME]
- 1044 SPAIN SER synchros JUN 21 0035 - Fair; woman host with



A M F M
1330 MHz 106 MHz

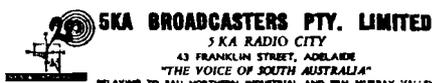
- telephone talk in Spanish. [Conti-ME] JUN 15 0105 - // 1521: Spanish teletalk with several announcers, musical fanfare; excellent. [Connelly*R-MA]
- 1071 SPAIN EL, Bilbao, JUN 15 0019 - man in Spanish; fair. [Connelly*R-MA]
- 1089 UNITED KINGDOM Talk Sport synchros, JUN 15 0136 - promo for "Talk Sport 1089 and 1053 AM"; good. [Connelly*R-MA] JUN 21 0230 - Good; talk about violence at football games, "Hello, welcome to Talk Sport." [Conti-ME]
- 1098 SPAIN RNE synchros JUN 21 0105 - Fair; news and Radio Nacional de Espana ID. [Conti-ME]
- 1098 SLOVAKIA Slovensky Rozhlas, Nitra, JUN 15 0117 - Slavic folk vocal; now over Spain. [Connelly*R-MA]
- 1098 SPAIN RNE5 synchros, JUN 15 0110 - Spanish news; over Slovakia. [Connelly*R-MA]
- 1107 SPAIN RNE5 synchros, JUN 15 0111 - // 1098 with news in Spanish; some synchro-echo and growl noted. [Connelly*R-MA]
- 1116 SPAIN SER synchros JUN 21 0115 - Good; telephone talk // 1044. [Conti-ME]
- 1134 CROATIA HRT Zadar JUN 21 0125 - Fair; rock music over COPE-Spain. [Conti-ME] JUN 15 0112 - Slavic music; evenly mixed with Spain. [Connelly*R-MA]
- 1134 SPAIN COPE synchros, JUN 15 0112 - Spanish talk; over / under Croatia. [Connelly*R-MA]
- 1143 SPAIN COPE synchros JUN 21 0130 - Good; telephone talk, synchro echo, // 1134. [Conti-ME]
- 1152 SPAIN RNE5 synchros, JUN 15 0117 - // 1107 with Spanish talk; in slop. [Connelly*R-MA]
- 1179 CANARY ISLANDS // SPAIN SER synchros, JUN 15 0059 - man & woman in Spanish news; over bits of second audio and growl. [Connelly*R-MA]
- 1215 SPAIN COPE synchros, JUN 15 0025 - man and woman with Spanish teletalk; to good peak. [Connelly*R-MA]
- 1215 UNITED KINGDOM Virgin R. synchros, JUN 15 0122 - '90s hit "Love Fool" by the Cardigans; good, now over Spain. [Connelly*R-MA]
- 1296 SPAIN COPE, Valencia, JUN 15 0028 - // 1215 with teletalk; poor to fair. [Connelly*R-MA]
- 1359 SPAIN Arganda, JUN 15 0031 - bits of orchestral music, then Spanish talk by man; poor. [Connelly*R-MA]
- 1422 GERMANY DeutschlandRadio, Heusweiler, JUN 15 0132 - avant garde electronic organ music, German talk by man, then violin music; fair. [Connelly*R-MA]
- 1521 SPAIN SER, Castellon, JUN 15 0105 - // 1044 with teletalk; poor. [Connelly*R-MA]
- 1530 VATICAN Vatican R., JUN 10 0247 - Slavic-sounding talk, a few seconds of violin music, then a Vatican mention; over / under WSAI. [Connelly*Y-MA]
- 1548 KUWAIT VOA, Kuwait City, JUN 10 0154 - VOA news items from field correspondents; to fair peak through WPTR-1540 slop with CBE-1550 phased. [Connelly*Y-MA]
- 1575 SPAIN SER synchros, JUN 15 0042 - Spanish teletalk show with female presenter; fair. [Connelly*R-MA]
- 1583.65 CEUTA RadiOle, JUN 10 0159 - woman in Spanish; over het from SER-1584. [Connelly*Y-MA]
- 1584 SPAIN SER synchros, JUN 15 0043 - // 1575 with Spanish talk (woman in studio and man on phone); through Ceuta het and WARV-1590 slop. [Connelly*R-MA]
- 1586 AZORES Vila de Porto, MAY 27 0203-0247 - Old instrumental, orchestral numbers, some old American, woman announcer, splash from KMIK 1590. [Trelford-JAM]
- 1602 SPAIN R.Vitoria, Vitoria JUN 21 0150 - Good; talk in Spanish not parallel SER. Overall TADX conditions were poor at the high end. [Conti-ME]

Bruce speaks: "A Maine camping DXpedition all-nighter produced some interesting catches for the first day of summer. Latin American DX was most interesting although Venezuela was dominant with essentially nil from the Caribbean islands. Cuba wasn't even a player! Spain dominated ransatlantic DX as expected. Hopes for some good African DX were met only by Algeria. As always when DX from a hot location is crammed into one or two nights, a number of unsolved unIDs remain. I had two Brazilians on 750, and IDED one after carefully reviewing tapes. Indian music possibly from Suriname on 600 could not be separated from an unID Spanish religious station and domestic interference for positive ID. A check of 670 for Suriname only produced Venezuela. Spanish talk on 1530 was too weak to warrant any extra effort. The unID French Caribbean music station on 1620 that Mark Connolly had been reporting was heard loud and clear toward morning. Listening until sunrise revealed no IDs. Camden Hills State Park continues to be an exceptional DX location on the mid-coast Maine eastern slope of Mt. Megunticook. Loco the DX Cat and I hope to get in a couple more visits this summer to chase chipmunks and unIDs."

530 PAN AMERICAN DX
TURKS & CAICOS R. Vision Cristiana,
JUN 10 0055 - Spanish talk with New
York City temperature readings in both



- Fahrenheit and Celsius; huge S9+50 signal. [Connelly*Y-MA]
- 535 GRENADA GBC, St. George's, JUN 10 0225 - female vocal; poor, hammered by RVC-530. [Connelly*Y-MA]
- 540 MEXICO XEJAZZ Tijuana BCN, JUN 9 0115 - XEBACH-540 is now XEJAZZ, running jazz with slogans "K-Jazz, [The/Southern California's] new jazz station" and English language announcers. Spanish call letter IDs are clearly XEJAZZ. Just this morning I was wondering how San Diego was going to support 3 classical music stations (XEBACH-540, XHLNC-90.7, KFSD-92.1) [Hall-CA]
- 555 ST. KITTS & NEVIS ZIZ, Basseterre, JUN 10 0222 - Caribbean English teletalk, into musical interlude; fair through WGAN slop. [Connelly*Y-MA]
- 570 CUBA R.Relej, Pilon JUN 21 0206 - Good; news, RR code IDs, etc., the only strong signal from Cuba tonight. [Conti-ME]
- 600 unIDs JUN 21 0225 - Religion in Spanish with many "el Senor" and "la palabra" mentions, mixed with an Indian music station (possibly Suriname) in a battle with WICC in CBNA null. [Conti-ME]
- 600 VENEZUELA R. Sucre, YVQB, Cumana, JUN 10 0221 - talk "Sucre, la mejor ... de Venezuela"; slightly over others. [Connelly*Y-MA]
- 640 VENEZUELA Union Radio, Puerto la Cruz JUN 21 0245 - Good; "Union Radio Noticias" news in Spanish. [Conti-ME]
- 650 COLOMBIA RCN Antena Dos, HJKH, Bogota, JUN 10 0218 - Colombian futbol; fair. [Connelly*Y-MA]
- 650 COLOMBIA RCN Antena Dos, Bogota JUN 21 0255 - Good; "la senal deportiva" and "RCN la radio de Colombia" promos, over an unID station with merengue music (likely Dominican Republic). [Conti-ME]
- 670 VENEZUELA R.Rumbos, Caracas JUN 21 0310 - Good; "la programacion de Radio Rumbos" promo and salsa music. [Conti-ME]
- 700 VENEZUELA R.Sur, Puerto Ordaz JUN 21 0335 - Fair; "Radio Sur... la senal gigante" ID over an unID Latin American station (likely R.Net-Colombia). [Conti-ME]
- 705 ST. VINCENT & THE GRENADINES Kingstown, JUN 15 0148 - man in Caribbean English; fair through WOR slop. [Connelly*R-MA]
- 720 VENEZUELA Oriente 720, Porlamar JUN 21 0020 - Good; "la hora en Oriente" time check, "Oriente 720" IDs, Latino pop music, in CHTN null. [Conti-ME]
- 730 DOMINICAN REPUBLIC HIZ Santo Domingo, MAY 3 0312 - talk show, ID as "R. Nacional", fair. [Trelford-JAM]
- 740 PUERTO RICO WIAC San Juan, MAY 4 0219 - LA and American pop music, some in EE, poor with WSBR interference. [Trelford-JAM]
- 750 BRAZIL Radio CBN, Brasilia JUN 21 0720 - Good; promos and ads, Radio CBN mention, romantic vocal, over an unID Brazilian station. [Conti-ME]
- 750 VENEZUELA RCR Caracas JUN 21 0355 - Fair; sign-off with national anthem. [Conti-ME]
- 760 BRAZIL R.Record, Fortaleza JUN 21 0030 - Poor; assumed this with preaching in Portuguese, in WCHP null. [Conti-ME]
- 770 DOMINICAN REPUBLIC HIMD Santiago, MAY 4 0157 - LA pop music, mentions of Dominican Republic, poor. [Trelford-JAM]
- 800 NETHERLANDS ANTILLES Trans-World Radio, PJB, Bonaire, JUN 10 0118 - Transmundial mention, Spanish religious talk; mixed with WCCM groundwave. [Connelly*Y-MA]
- 830 VENEZUELA R. Sensacion, YVLT, Caracas, JUN 10 0120 - Spanish talk with a lot of local Caracas mentions; in mix with WCRN and a third station presumed to be St. Kitts. [Connelly*Y-MA]
- 860 VENEZUELA Enlace 860, Valle de la Pascua JUN 21 0057 - Fair; "desde Valle de la Pascua..." over an unID Latin American station with futbol, in CJBC null. [Conti-ME]
- 880 VENEZUELA R.Musical 880, Puerto Ordaz JUN 21 0420 - Good; ranchera music "con las estrellas Mexicana" and ID "Ocho-ochenta, senal musical de Venezuela," over WCBS. [Conti-ME]
- 1020 VENEZUELA YVTN Chevacoa, MAY 9 0250 - LA pop music, ID as "Radio Alegria". [Trelford-JAM]
- 1070 MEXICO XESP Guadalajara, MAY 11 0208 - LA pop music, ID as Sistem ST". [Trelford-JAM]
- 1090 VENEZUELA Union Radio, Caracas JUN 21 0055 - Fair; "grande liga" baseball discussion, "la red nacional de radio y television" mention. [Conti-ME]
- 1110 VENEZUELA R. Carupano, YVQT,



- Carupano, JUN 10 0035 - salsa-type group vocal, Spanish talk with several Carupano ID's, then romantic ballad; good. [Connelly*Y-MA] JUN 21 0235 - Good; "a Radio Carupano, en primer lugar," Latino pop music, over WBT. [Conti-ME]
- 1139.58 unID JUN 15 0114 - weak het against WRVA et al. [Connelly*R-MA]
- 1140 VENEZUELA La Voz del Caribe, Porlamar JUN 21 0240 - Fair; "En Porlamar, la Voz del Caribe" IDs and announcements fading in and out of CBI null. [Conti-ME]
- 1150 ARGENTINA R. Brigadier López (LT9), Santa Fé, JUN 10 0118 - long lists of winning lottery numbers, hot music, religious program from 0130; ID's as "LT9" much more frequently than "Brigadier López;" SIO 344. [Burnell-NF]
- 1160 BERMUDA VSB3, Hamilton, JUN 15 0118 - // 5975 with talk about the history of Wembley Stadium; eventually losing to WVNJ/WSKW/WOBM jumble. [Connelly*R-MA]
- 1190 ARGENTINA R. América (LR9), Buenos Aires, JUN 10 0105 - best signal ever with news and ID; SIO 444. [Burnell-NF]
- 1375.02 ST. PIERRE ET MIQUELON RFO, JUN 14 2358 - female opera vocal; good to excellent. [Connelly*R-MA]
- 1410 BRAZIL R. Fraternidade (ZYH803), Santo Antônio de Descoberto, JUN 09 2331 - LBV news program and many "LBV" ID's, but included the local coverage area for this station ("Brasília") at 2331; SIO 333. [Burnell-NF]
- 1460 BRAZIL R. Clube (ZYH300), Parintins, JUN 09 2359 - no actual ID but ads for things in Parintins and Manaus, plus mentioned Amazonas a lot; SIO 332. [Burnell-NF]
- 1470 PUERTO RICO WKCK Orocovis, MAY 21 0107 - LA oldies, poor, WWNN interference. [Trelford-JAM]
- 1480 DOMINICAN REPUBLIC HIAH, APR 28 0224 - LA pop music, ID at 0300 as "... Santo Domingo ...", fair with interference from CMJL. [Trelford-JAM]
- 1520 COLOMBIA HJLQ Barranquilla, APR 29 0205 - semi-classical music, ID as "Radio Minuto", fair. [Trelford-JAM]
- 1530 unID JUN 21 0300 - Talk in Spanish weak in WSAI null. [Conti-ME]
- 1580 BELIZE VOA Punta Gorda, MAY 28 0116 - PBSjazz program, VOA news, poor. [Trelford-JAM]
- 1580 MEXICO XEDM Hermosillo SON, APR 30 0142 - ranchera music, interference from WTCL, poor, assumed. [Trelford-JAM]
- 1620 unID JUN 15 0046 - Haitian French Creole talk by man; fair signal. Possibly a domestic pirate. [Connelly*R-MA] JUN 21 0740-0800+ - Good to excellent; continuous French Caribbean/zouk music. [Conti-ME]
- 1630 ARGENTINA La Red 92, Buenos Aires, JUN 09 2350 - pops from 60's and 70's, ads, horse-racing results, and lots of ID's; SIO 454, with Tropicana next door on 1620 kHz at about half this strength. [Burnell-NF] JUN 21 0800 - Good; woman in Spanish and Bee Gees' "Night Fever," over KCJJ. [Conti-ME]
- 1640 ARGENTINA R. Bolivia, Buenos Aires, JUN 10 0018 - Andean tunes, announcer took phones calls and lots of dedications; SIO 243-2. [Burnell-NF]
- 1650 ARGENTINA R. AM Restauración, Hurlingham, JUN 10 0010 - mainly back-to-back SS religious songs, finally some announcement with ID at 0055; peaking at SIO 343, but poor by 0055. [Burnell-NF]
- 1670 ARGENTINA BBC Relay, Buenos Aires, JUN 09 2344 - history of rock program, "desde la BBC de Londres;" SIO 353. [Burnell-NF]
- 1670 unID JUN 15 0047 - man with excited Spanish religious talk that mentioned several South American countries; good. [Connelly*R-MA]

Jan speaks: "...things here were somewhat auroral on the evening of June 9, although it was wearing off pretty quickly. I did hear five X-banders from Argentina, and I stopped to listen to four of these; 1650 and 1670 were first-time logs here. Unfortunately, by 0200 UTC (10 June) the band was poor, with mainly domestic short-skip stuff dominating and European big-guns (nothing newsworthy) audible off the side of the wire. Here are some Panamerican logs from a little earlier that evening. By the way, these logs were made at Renew's. Due to the usual weather (fog and rain) I could not see if "Northern Lights" were visible, but the previous evening (which was clear) I could not see anything unusual in the night sky over St. John's."

INTERNATIONAL NEWS

LATVIA: Here is an up-to-date list of MW transmitters in Latvia, as received today from LVRTC in Riga which is responsible for the network: 576 450kW Riga (R.Liberty in Belarusian), 945 150kW Riga (LVR-1), 1350 40kW Kuldiga (LVR-1), 1350 25kW Cesvaine (LVR-1), 1422 25kW Valmiera (LVR-1), 1422



25kW Rezekne (LVR-1), 1539 7kW Daugavpils (LVR-1). Liepaja 1539 & Ventspils 1602 kHz have been closed. [Bernd Trutenau <btr@pub.osf.lt> via Christoph Mayer in Medium Wave News (UK) e-mail]

POLAND: Polish transmitter on 198 kHz relays (since 1 JUNE) Radio BIS (ex PR 3) plus parliament sessions. On the air from 0600 (sometimes 0700) - 1600 UTC. [Karel Honzik, Czech Republic. Medium Wave News (UK) e-mail]

SOLSTICE WEEK DX

On Saturday afternoon (24 JUN) I had a little time to explore outer Cape Cod looking for potential DXing sites with good ocean views for other hobbies like photography and swimming. In the town of Eastham, I came upon three locations that are part of the Cape Cod National Seashore. Parking is permitted until midnight, good enough (even on the longest days of the year) for Trans-Atlantic and Pan-American DXing which is typically best in the first 3 hours after sunset.

The sites visited were: Fort Hill Park - great view from an elevation of about 100' / 30 m above sea level. You could probably string out some good wires here in autumn / winter. Coast Guard Beach - somewhat crowded, and suited for car-roof antennas only. Worth visiting in the off-season. Nauset Light Beach - a bit roomier than the nearby Coast Guard Beach. Not to be confused with Nauset Beach in Orleans to the south. This is where I finally set up for a DX session from 2300 to 0200 UTC.

DX started out with a few Spaniards on the high end of the MW dial (1602, 1575, etc.) and some surprisingly early (pre-sunset) Venezuelan stations such as R.Barcelona-1080 over / under WTIC and Dos Mil-1500 over WFIF/WTOP. Earliest Trans-Atlantics were from the usual western end of the Mediterranean area. UK, Germany, Slovakia, Croatia, Ireland, etc. peaked up during the 0100-0130 UTC period. Brazil was heard with good signals from Fortaleza on 690 and 760. Venezuelans were "all over the place", at least between 600 and 1200 kHz. Off-frequency Carabobo on 1039.6 was really booming in; demolishing the 1040 pack. Usual Caribbean signals on splits (535, 555, 895) were all good. Early on, ZDK-1100 was coming in with daytimer WHLI-NY nulling into the mud with the loop/whip cardioid array. Overall, for a date so close to the longest day of the year, there was a nice variety of DX from Europe, North Africa, the Caribbean, and South America. Deep Africans were sought but not found other than a hint of Angola-1502 (chewed up by local-like Venezuela on 1500). [Connelly-MA]

BEN IN THE BALTICS

Have been back home since mid-June from our trip to Finland, Russia, Belarus, Lithuania, Latvia, and Estonia. It was a great trip but not for the DX. It doesn't get dark over there until almost midnight by which time I was usually in bed as each day's trips were quite exhausting. And it was disappointing that so few MW stations are left in those areas. Two in Finland, one in Sweden, none in Estonia and few in Latvia and Lithuania. Russia still has quite a few and the Moscow area has around 17, including some in EE, GG and FF. I'm going to list a few of the stations I heard, mostly with consideration as to U.S.A. reception possibilities.

- 540 HUNGARY Solt, Powerful signal and perhaps the best bet for Hungary.
- 549 RUSSIA Krasny [near St. Petersburg] Strong all through area and in RR
- 558 FINLAND Helsinki, Strong in Tallinn and St. Petersburg, but I don't give it much chance of making it over here.
- 576 LATVIA Riga, Seems to be testing a lot so I guess is not yet on regular service. Relays Radio Liberty in RR. Now signs off around 2130.
- 666 LITHUANIA Vilnius, Strong signal in Lithuanian and probably the best bet for logging that country.
- 756 ROMANIA Lugoj, Very strong in Baltics and Belarus, International service.
- 855 ROMANIA Bucharest, Strong everywhere. Best bet for Romania.
- 935 BELARUS Minsk, Best bet for Belarus reception. In RR
- 963 FINLAND Pori, Weak in Helsinki, Russia and Baltics, so must be highly directional to the west and southwest.
- 1053 ROMANIA Lasi, Strong everywhere and a good bet. I have verified it.
- 1152 ROMANIA Cluj, Good everywhere and another good bet for Romania.
- 1494 RUSSIA Krasny [near St. Petersburg] Carries TWR evangelical stuff and also Voice of Russia. Strong signal, and I once heard it over here in RR.
- 1521 SLOVAKIA, Probably the station heard in Minsk relaying BBC sports.
- 1548 MOLDAVA Grigoriopol, Super signal every night throughout the entire area in EE and RR relaying Radio Moscow/Russia.

All the above from Ben Dangerfield, DX'ing over there with SW-100 and KIWA pocket loop.



EARS ON AFRICA - ALGERIA, TUNISIA, LIBYA & MOROCCO

ALGERIA:

- 153 not heard once day or night; DLF Germany heard in evenings MAYBE OFF AIR - or was signal skipping right over me? DLF even heard at 1115UTC on 29/5 via groundwave.
 198 heard equal strength BBC R4 at 2030UTC and 1110UTC in Arabic // 549
 252 not heard once day or night; Atlantic 252 heard poorly instead MAYBE OFF AIR? Atlantic even heard via groundwave at 1115UTC on 29/5
 531 always in Arabic in // 549kHz & 891kHz; fair ground wave; lower modulation than 549
 549 fair ground wave good audio & modulation depth
 576 nil heard; swamped by "local" RNE5 from Barcelona
 648 ID as "Alger Chaine Trois"; always in French, often European pop music; weak-fair ground wave signal UNLISTED TRANSMITTER (not in EMWG or WRTH); no parallel noted
 666 nil heard; swamped by "local" SER from Barcelona
 693 nil heard; swamped by RNE
 738 nil heard; swamped by RNE
 837 nil heard; swamped by COPE Ibiza
 891 huge ground wave signal; very "tinny" audio, maybe transmitter is fed by a telephone line?
 909 nil heard; swamped by RNE5
 981 huge ground wave signal; Arabic
 1305 no sign day or night; totally clear channel during daytime
 1422 blank carrier or very low level modulation noted, fair groundwave strength in Arabic; not parallel other outlets
 1540 nothing observed here
 1550 RASD het against Capital Gold London but little audio recoverable due to splatter.

Note: Quality is not consistent - just listen to audio quality of 531, 549 and 891 which should sound identical but don't; and 1422 seems to have serious problems. Some transmitters are occasionally off air; 891 and 982 were both silent at 1930 on 28th May no other Algerian MW signals were heard. Monitoring regularly from 28 May to 3 June from a location in central Majorca using a ICF2001D with internal ferrite rod antenna.

TUNISIA:

- 585 Arabic // 630kHz whenever checked; audible evenings mixing with Spain
 603 not heard daytime due to R Bleue via groundwave; audible from ~1900UTC onwards in Arabic NOT // 630; including separate news at top of hour heard regularly beyond 2000 hours (EMWG states 1815 sign-off); noted on air separate to 630kHz as late as 2145UTC
 630 Arabic, talk, plays, music & sports; fair groundwave; strong skywave signal; best signal from Tunisia
 684 not heard via groundwave; // 684kHz whenever checked; QRM from RNE 720 not heard via groundwave; not // 630 at 1958 1/6/00; own Arabic news at 2000 but same music stings used between news items as on 630 but separate news (NB 603 did not use music stings at all)
 963 International programme; mainly French but English (1335 29/5/00), Spanish (1800 29/5/00) and Italian (?) (1425UTC 2/6/00) heard. Weak groundwave; Spanish programme is UNLISTED in EMWG - ID as "Radio Tunis Cadena International"

No other Tunisia signals noted/detected. Logged in central Mallorca 28/5/00 - 3/6/00 on Sony ICF2001D with internal ferrite rod antenna.

LIBYA:

1251 & 711 both remain intensely distorted signals. 1251 is massive signal after dark but is a real struggle understanding the English (down to 10-20% intelligible on a clear S9 +++ signal!) news at 2040utc which is followed by French. Audio quality seems to vary noticeably from day to day. "Radio Voice of Africa broadcasting from the Great Jamhriya"

MOROCCO:

- 171 // 9575 French & Arabic
 594, 612, 1053 and 207 all in // Arabic
 711 always swamped by Libya
 819 swamped by Spain
 828 nothing heard at all even in nulled Spanish station
 1044 separate Arabic - never noted // 171
 1494 possibly separate but interference from France

Note: Morocco monitored at 2055 utc on 30/5/00. Other Moroccans not noted; interestingly Morocco does not have the presence on the band anything like Algeria 891/981 or Tunisia 630 or Libya 1251. Note: take care with EMWG listed operating hours due to summertime shifts. Not all countries



included in EMWG have summer time - e.g North African countries.

Summary: Monitoring regularly from 28 May to 3 June from a location in central Majorca using a ICF2001D with internal ferrite rod antenna. [Steve Whitt DX'ing from Majorca <steve.whitt@bt.com>, Medium Wave News (UK) e-mail]

CUBA BANDSCAN

The below bandscan was conducted from 10:45 a.m. to 1:45 p.m. (1445-1745 GMT) on June 20th from Fort Zachary Taylor State Park, near the Foreign Broadcast Information Service (CIA) monitoring site. Equipment used: RadioShack DX-399 digital portable coupled to a RadioShack 15-1853 non-active mini loop. The Sony car radio was used a couple of times to confirm parallels. Once again, a green picnic bench was deployed. New finds were Radio Ciudad Bandera (a Cuban "Local") on 1140 — where lots of other strange happenings have been taking place recently — in parallel to their traditionally sole frequency of 1470. Also "new" is Dobleve programming on 1110. Notably absent were a few normally active big transmitters (550, 560, 880), maybe saving power for the sugar refineries this day. Thankfully, the Elian coverage has all but vanished, allowing for the confirmation of station ID's, affiliations and parallels with ease. Most (but not all) stations continue to accept the "Noticias Nacional de Radio" 30 minute news feed from 1 p.m. local.

- 540 R Rebelde
 550 R Rebelde (not audible or active)
 560 R Rebelde (not audible or active)
 570 R Reloj, huge signal
 590 R Musical Nacional, huge signal
 600 R Rebelde
 610 R Rebelde (threshold under WIOD)
 620 R Rebelde
 630 R Progreso
 640 R Progreso
 652+/- same carrier as heard in Clearwater, an unmodulated R Sandino?
 660 R Progreso
 670 R Rebelde, atop the domestic Spanish
 680 R Rebelde, mixing with Progreso
 680 R Progreso, mixing with Rebelde
 690 R Progreso, seriously overmodulated
 710 R Rebelde, mixing with the domestic Spanish
 730 R Progreso
 750 R Progreso
 760 R Reloj
 800 R Progreso
 820 R Ciudad de la Habana
 840 Dobleve
 850 R Reloj
 870 R Reloj, weakly under the Key West TIS
 880 R Progreso (not audible or active)
 890 R Progreso
 910 R Metropolitana
 930 R Reloj
 940 R Reloj, no trace of malfunctioning or jamming transmitter
 950 R Reloj
 960 R Reloj, weak under Enciclopedia
 960 R Enciclopedia
 980 COCO
 990 R Guama
 1000 R Guama
 1020 R Guama
 1030 R Musical Nacional, clscd mx // 590 and no trace of Guama
 1080 R Cadena Habana, "Esta es R Cadena Habana, la frecuencia popular"
 1090 R Cadena Habana, looping more westerly than 1080
 1100 R Cadena Habana, strongest of the four
 1110 Dobleve, NEW huge 60 cycle blob, didn't ID till much later when audio was up, // 840
 1120 R Cadena Habana
 1140 jammer, loud and atop targeted WQBA



1140 R Ciudad Bandera, NEW and loud in tight null of the jammer and WQBA, // 1470 - canned ID by W before and after "Noticiero Nacional de Radio" as "R Ciudad Bandera, Desde Cardenas, Cuba."

1160/1170 spatter from R Marti, Marathon

1180 R Rebelde, under R Marti

1190 splatter from R Marti

1200 weak Spanish, unable to ID

1210 weak Spanish under domestic R Unica and I don't think // 1200

1220 R Veinte y seis

1230 R Viente y seis

1240 R Viente y seis, all three with really tinny, sloppy, telco-ish audio

1250 R Caibarien

1260 R Enciclopedia, strong but with weird buzzing audio

1270 R Enciclopedia, clever Muzak version of "Ob-La-Di, Ob-La-Da" (but does life go on?)

1290 R Taino, strong

1290 Dobleve, weak under Taino

1310 Dobleve

1310 R Enciclopedia, under Dobleve

1330 R Jaruco, huge overmod signal but no trace of 1390 parallel

1340 R Ciudad del Mar

1350 R Ciudad del Mar, weaker than 1340, running novella

1380 R Cadena Agramonte, songs by NG la Banda and Jose Jose, under Tampa's "Radio Disney" signal

1390 R Jaruco, not active at least today, but 1330 was

1400 R Musical Nacional, poor, // 590

1420 R Llanuras

1430 R Surco, fair when the domestic Spanish Christian was nulled

1440 R Surco, // 1430

1450 R Guines

1460 R Santa Cruz del Sur, fair w/ merengue, live M&W and ID

1490 R Camoa, good with nice traditional folk songs

1540 R Sagua, strong with ZNS-1 in very tight null=20

5025 R Rebelde, fair at 1 p.m. with "Noticiero Nacional de Radio," not SSB as recently reported, at least not now

96.7 MHz R Rebelde, stereo and fair, still the only Cuban FMer I can hear despite extensive scans. Suspect most are not active, and those that are are well under 1 kW.

[Terry Krueger in Tocabaga DX #53]

CONTRIBUTORS

@Jean Burnell St. John's, Newfoundland DX'ing from Renewals, NE, Drake R8A with a 350 m wire pointed at eastern South America (jburnell@morgan.ucs.mun.ca)

@Mark Connelly WA1ION, DX'ing from Rockport MA ["R"]; Drake R8A, Palstar R30, APW-1 active whip, two BBL-1 broadband loops, Superphaser-1 phasing unit <MarkWA1ION@excite.com>

@Bruce Conti, DX'ing from Camden ME; Lowe HF-225 Europa, Die Hard 96552 Deep Cycle Marine Gel battery, MWDX-5 phasing unit, two 60-m wires sloping northeast and southeast. <BACONTI@aol.com>

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@Tim Hall, Chula Vista CA <http://www.inetworld.net/halls>

@Terry Krueger, DX'ing from the Keys. All items from Tocabaga DX #53. <tocobagadx@earthlink.net> Don Trelford, S. Anns Bay, Jamaica; Kenwood R 2000, long wire NS-EW.

OUR PAL MARK ON THE PALSTAR R30

Palstar R30 field-test and a few comments on a Wednesday night DX session: I had a good opportunity to test the Palstar R30 last night (14 June) out at the Granite Pier DXpedition site in Rockport, MA. The first foreign (non-US/Canada) signal to show, at 2345 UTC, about a half-hour before local sunset, was Euzkadi Irratia, Vitoria, Spain on 1602 kHz. Strong interference from Boston's WUNR-1600 was phase-nulled to a good degree with the loop/whip cardioid array, but 1600 still produced a substantial blob of QRM consisting of WWRL and residual WUNR. The Palstar with the 2.5 kHz Collins filter had similar performance to the Drake R8A with the 2.3 kHz L-C filter selected. Audio from 1602 was somewhat fragmented by the 1600 slop. When I put the R8A on the 1.8 kHz filter and either tuned in AM mode to the high side or listened on USB with passband tuning optimized, I had superior 1602 audio to what the R30 could produce. I guess that isn't really that surprising.



In terms of maximum loudspeaker volume, the audio from the R30's little speaker began to distort / get "rattly" at a lower level than the audio achievable from the Drake. With headphones, or an external speaker, this becomes a non-issue. In general, the R30 did a creditable job considering it's half the price and size of the receiver to which it was being compared. The R30 is certainly fine for a casual travel radio for trips where luggage weight must be managed carefully. It's nice that it can be connected to high-gain broadband antennas and not get overloaded the way a Sony ICF-2010 (2001D) does.

As the evening rolled along, I did most of my DX'ing on the Drake, as DX'ing in June is a challenge that makes you want to pull out all the stops, including rapid access to parallel channels. Spain dominated the DX in a big way from one end of the dial to the other. Some of the more interior and northern Europeans made appearances after 0100 UTC. UK-1089 and 1215, Croatia-1134, Germany-1422, Switzerland-765, and Slovakia-1098 were among the louder ones. The two strongest TA's, nearly local-like a week before the longest day of the year, were Canaries-621 and Spain-1044. Morocco-612 and Algeria-549 were also big ... monster signals indeed. On the other hand, there was absolutely no trace of Norway-1314. Even when I could fight off the WLOB-1310 and CKEC-1320 slop, the only thing on 1314 was weak Spain.

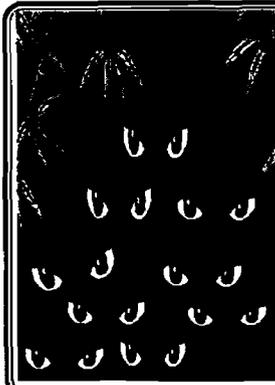
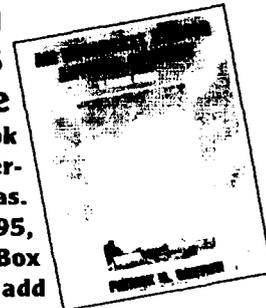
Because of my correspondence with Ron Gitschier in the Caribbean, I was hoping for some decent signals from the south, but that area turned out to be singularly unproductive. Nevis-895, often a good signal, was only copyable as a carrier with the BFO on. The same generally held true for other splits like 535, 555, and 705. Bits of audio here and there, but decidedly substandard reception. I found no trace of a 595 carrier (Ron had mentioned Dominica possibly being back on that split). The 594 Euro QRM and splash from WEZE/VOCM-590 could have very well obliterated whatever 595 had to offer, given the pitiful propagation to the Caribbean and Latin America.

A couple of odd X-band signals showed: one was Haitian French Creole on 1620 and the other a Spanish religious station on 1670 that mentioned just about every South American country. These were probably of domestic origin, either legal or pirate. The signals of both of these were good, comparable to NJ on 1660 and VA on 1650.

I ended the DX session at 0200 UTC. Signals from Spain were still abundant and on the ride home the Saudi-1521 carrier fired up on top of the wild quasi-religious political-harangue show that WWKB was running (.. would SOMEBODY over there at 'KB shut that junk off and run some 1964 Joey Reynolds tapes PLEASE!) [Mark Connelly, WA1ION, Billerica, MA, <MarkWA1ION@excite.com>]

AM Broadcast Station Antenna Systems A Basic Guide

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Target DX

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

Hello again, as we bring you another edition of Target DX, after a month's hiatus. This month's questions come either from direct e-mails or the NRC listserv during the past month or so up to the 7/5/00.

Q - I read with great interest your discussion regarding basement shacks in the "DX'ers Notebook" column. The only available space that I have in my house for my shack is in the basement. You mentioned that a basement location has its share of "problems." Could you please share the pros and cons of a basement shack location (i.e.-potential noise sources, etc.)? I'm thinking we're not the only ones who are relegated to the basement to enjoy our hobby. The good news for me (I think) is that the slope of my property goes down from front to back, so the basement is not completely under ground, the back half of the house is exposed. My shack location, however, will be in the front of the house, slightly below the ground. I'll have a window a couple of feet above the shack.

A - A major problem is that the below-grade location (without an antenna at a higher grade) blocks some signals coming in at very low angles. In a practical sense some element of "horizon blockage" is evident everywhere except on top of a mountain, and so the basement shack simply adds a bit more onto whatever you might have already had resulting from surrounding natural and man-made objects. [More exhaustive discussions of horizon blockage can be found in NRC Reprints # P14, P15 and P16] Another is that basements tend to have any or all of the following - floor support beams, heating or air conditioning ductwork, metal pipes and wiring, all of which can re-radiate spurious signals, generate noise or skew loop patterns. [A more complete discussion of loop pattern skewing is contained in articles contained in the NRC Publications "Loop Antenna Design & Theory" and "NRC Antenna Reference Manual #1] Still another is that the more of the house is above your loop, the more of the metals there can increase the same sorts of problems. Finally, and again depending on the type of construction and the age of it, you might have some steel rebar imbedded in the basement walls which would again increase the problems noted above.

The only real noise-generators in a basement are the heating/cooling systems (motors/switches), or water pumps, and dehumidifiers, and if these are properly maintained, they ought not to be an issue. Any other appliances such as laundry or power tools located in the basement should be no different than if they were located on the main floor or if the shack was located above. Also, we must realize that there are some things that will cause electrical interference either via transmission through power lines and/or the air as long as they are in proximity to the shack.

With an antenna in the attic, you will eliminate some of the blockage issues, and also the pattern-skewing issues, however it may introduce another problem - unwanted 'vertical pickup' from the feedline running from the attic antenna down two stories to the basement. The best way to address this is a coaxial feed with proper grounding. If you're going that far, you should also include noise-reducing transformers. There's been some discussion on that on the listserv this past winter, including reference to a 1997 article by Bruce Conti when he edited "Target DX". The list discussions already appeared in Dave Braun's column before the columns were split.

Your height above sea level doesn't really enter into the equation here, and the slope of the land probably doesn't benefit you because of the location of the shack, which will still force signals to come through the upper stories of the house (with whatever metal there is there), thus degrading the signals and potentially skewing the loop patterns. A loop be affected so far as its patterns are concerned extremely easily (again, see the references noted above), and ideal performance requires a minimum of sizeable hunks of metal anywhere within several feet of it. In my case, I know I've pretty much given up trying to trust the loop bearings I get - I just accept whatever peaks and nulls I obtain without trying to assign any directional values to them. Good luck!

Q - Does anyone know of a great place to buy tubes?

A - You can try <http://www.vacuumtubes.com> or <http://www.tubesandmore.com>.

Or, check out the "Sources of Electronic Components" section at <http://deane.bio.ucalgary.ca/> where you will find links to several vendors of vacuum tubes. Antique Electronic Supply has the largest selection, but they tend to be a bit more expensive than other tube vendors.

(Thanks to several listserv participants who provided answers for this one! - RjE)



Q - I seem to have problems with hearing some of my locals on frequencies where they don't belong - either singly or grouped with others. What is this and what can I do about it?

A - These may be images or spurious re-radiation, or perhaps even harmonics. We'll deal with the last one first - a harmonic is a multiple of the transmitter frequency. Thus, if you have a local on 540 kHz., its first harmonic would be a twice the primary frequency, or 1080 kHz. Its second harmonic would be at three times the frequency, or 1620 kHz. These are generated within the transmitting equipment, and are noted by DX'ers both within and above the BCB. Stations are required to monitor these and to keep them below a specified strength, but you may still hear them anyway. Unfortunately, other than using your receiving setup's selectivity devices to detune them, or nulling them with the antenna, there's little one can do about these.

Images tend to be noticeable as a function of the receiver's IF frequency (in most communications receivers this is 455 kHz.) and the primary frequency of the local station. In the case of the same local on 540 kHz., an image would appear on 1450 kHz., which is twice the IF frequency (910 kHz.) plus the station frequency. Usually, these images are generated in the receiver, and can be reduced or eliminated by a careful tuneup of the receiver or by more careful tuning. These images can also be noted at 910 kHz. less than the primary frequency.

Spurious re-radiation is a bit more complex, partly because it can be produced within the receiving equipment or by a completely external source. It is also more complex simply because the number of possible combinations is often directly related to the number of strong signals near your shack. The most common culprits causing internally generated types are poor connections between metal conductors, whether they may be in the receiver, in the antenna, or in connections between these or between accessories. They may also result from poor ground connections. Externally-generated re-radiation can result from improperly connected, rusted, corroded, or separated joints in all sorts of metallic structures, both above and below ground. Metal fences and drainage pipes are common causes. These joints, whether internal or external, tend to act as if they were small transceivers, which pick up the signals from one or more local stations, and then combine them to retransmit a new signal. If multiple signals are combined, then usually both audios will be present, although frequently one is stronger than the other. It is also not uncommon to hear multiple audio mixes on the same frequency if you have lots of strong locals.

For internally-generated re-radiation, usually a thorough investigation of your equipment and antennas, with a sharp eye out for potential poor solder joints or poor contacts with connectors will solve then problem. For externally generated re-radiation, there's no real way to even locate them, much less eliminate them. In these cases, your best way to deal with them is careful operation of antenna and receiver tuning devices. That's because these signals act just as if they were independent transmitters, and will therefore be able to be nulled. Unfortunately, they will tune as if they were separate transmitters also, and will peak along with the desired stations on frequency. Also, because of the outdoor locations for many sources of externally generated re-radiation, the problem will usually be more severe when the air and/or ground are wet or snow-covered. [A fuller discussion of these topics can be obtained in NRC Reprint #R1: Spurious Signals / Spurious Signals Revisited.]

TIP OF THE MONTH: During these summer months, BCB DX isn't dead, if you know where to look! Targeting stations on the networks of baseball teams within your region can often be very productive, particularly when the team is playing in a more westerly time zone. This may mean that stations are on with the game past their usual sign off time, or that QRM'ing stations may have signed off. It may also mean that some of these stations have remained on day or PSSA facilities later than usual, also presenting an opportunity. This situation also affords you the benefit of closer stations on the network to parallel against.

That's it for this time, and while there's some additional material on hand, remember to send in your questions for the column so that we won't have to skip as many issues!

Sunrise-Sunset Maps

Monthly maps (12) showing the average monthly sunrise/sunset times for the U. S.; customize them for your location. \$3.00 for NRC members (\$4.50, non-members). Order from NRC Publications; NY residents, add sales tax.



The Season of DXpeditions - Autumn 1996

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WYSN*	Somerset	PA	1420	WACK*	Newark	NY
KGLD*	Tyler	TX		KREL^	California	MO
WRAA*	Luray	VA		WKSR^	Pulaski	TN
WETZ	New Martinsville	WV	1430	WMNC	Morgantown	NC
1340 KCBL	Fresno	CA		KFIG^	Fresno	CA
WBBQ^	Augusta	GA		KQLL	Tulsa	OK
WTIF^	Tifton	GA		WVAM^	Altoona	PA
WJOL^	Joliet	IL		KEES*	Tyler	TX
WTRC	Elkhart	IN		KCLK*	Clarkston	WA
WBGN*	Bowling Green	KY	1440	WMAX*	Saginaw	MI
WCM1^	Ashland	KY		WEZJ^	Williamsburg	KY
WCSR*	Hillsdale	MI		KMLB^	Monroe	LA
KROC^	Rochester	MN		WLXN*	Lexington	NC
KIDS	Springfield	MO		WRGM	Mansfield	OH
WJRI^	Lenoir	NC		WNPV*	Lansdale	PA
KRLV	Las Vegas	NV		KPUR	Amarillo	TX
WKSJN^	Jamestown	NY		WAJR	Morgantown	WV
WLVL*	Lockport	NY	1450	WLAY	Muscle Shoals	AL
WJRI	Lenoir	NC		KVSL	Show Low	AZ
WRHI^	York	SC		KMCA	Redding	CA
KTOQ*	Rapid City	SD		WWJB*	Brooksville	FL
WKRK*	Columbia	TN		WSTU*	Stuart	FL
WCDT^	Winchester	TN		WMVG^	Milledgeville	GA
1350 WEPM*	Martinsburg	WV		WFMB	Springfield	IL
WRWH	Cleveland	GA		WAOV	Vincennes	IN
KSRO^	Santa Rosa	CA		WTHU	Thurmont	MD
WIOU*	Kokomo	IN		WMIQ	Iron Mountain	MI
WRNY*	Utica	NY		WKXL*	Concord	NH
WTZK	Black Mountain	NC		WMOH	Hamilton	OH
WCSM^	Celina	OH		WDAD*	Indiana	PA
WOYK*	York	PA		WMJAJ^	State College	PA
WYSK	Fredericksburg	VA		KBFS*	Belle Fourche	SD
1360 WCKY*	Cincinnati	OH		WLAR*	Athens	TN
KUIK*	Hillsboro	OR		WSMG^	Greeneville	TN
KGME^	Phoenix	AR		WMVA*	Martinsville	VA
KSCJ^	Sioux City	IA	1460	WBET	Brockton	MA
WPTT*	Pittsburgh	PA		WWKL	Harrisburg	PA
1370 WOCA*	Ocala	FL		WEMR*	Wilkes-Barre	PA
WAXE	Port St. Lucie	FL		WRAD*	Radford	VA
WLOP^	Jesup	GA	1470	KRAK*	Sacramento	CA
WKJF	Traverse City	MI		WRGA*	Rome	GA
WWCB*	Corry	PA		WPDM*	Potsdam	NY
WLOV	Augusta	SC	1480	WADR*	Utica	NY
1380 WELE	Ormond Beach	FL		WYRN^	Louisburg	NC
WGUS	N. Augusta	SC		KSDR*	Watertown	SD
WYSH*	Clinton	TN	1490	WXVQ*	Deland	FL
WEGP*	Presque Isle	ME		WCHM	Clarksville	GA
WBLL^	Belle Fontaine	OH		WSYL*	Sylvania	GA
WNIO*	Youngstown	OH		WDAN^	Danville	IL
WTJS*	Jackson	TN		WZOE*	Princeton	IL
1400 WKDR*	Burlington	VT		WDBQ*	Dubuque	IA
KJOK	Yuma	AZ		WKBV^	Richmond	IN
KVBL	Visalia	CA		WOMI*	Owensboro	KY
WBAT*	Marion	IN		WMRC	Milford	MA
KVFD	Fort Dodge	IA		WABJ*	Adrian	MI
WFTG^	London	KY		WGYM	Ocean City	NJ
WKNW*	Sault Ste. Marie	MI		WBZD	Elmira Hts.	NY
WSIC	Statesville	NC		WGMF^	Watkins Glen	NY
WHCC^	Waynesville	NC		WAZZ	Fayetteville	NC
KWON	Bartlesville	OK		WRMT*	Rocky Mount	NC
WZNG^	Shelbyville	TN		WBEX	Chillicothe	OH
WVRC*	Spencer	WV		WAZL*	Hazelton	PA
1410 WATW	Ashland	WI		KYZS*	Tyler	TX
WDOV*	Dover	DE		WOSH*	Oshkosh	WI
WHLN^	Harlan	KY		WIGM^	Medford	WI
WDOE^	Dunkirk	NY	1500	WDEN*	Macon	GA
WING	Dayton	OH	1510	WPUT*	Brewster	NY
WPCC*	Clinton	SC		WVAC*	Norwalk	OH

1520 WAUK*	Waukesha	WI	1570	WFLR*	Dundee	NY
WLUV*	Loves Park	IL		WPTW*	Piqua	OH
WMLM*	St. Louis	MI		WNKX*	Centerville	TN
KRHW*	Sikeston	MO		WCLE*	Cleveland	TN
WDSL^	Mocksville	NC		WYTI	Rocky Mount	VA
WQCT*	Bryan	OH		WKBH*	LaCrosse	WI
1530 WEYZ*	Corry	PA	1580	WDQN*	DuQuoin	IL
1540 WNUY*	Bluffton	IN		WLIJ^	Shelbyville	TN
WMCB*	Martinsville	IN	1590	WXR5*	Swainsboro	GA
WTXY*	Whiteville	NC		KWBG*	Boone	IA
WBTC	Uhriehsville	OH		WTVB*	Coldwater	MI
1550 WCVL	Crawfordsville	IN		WBHN^	Bryson City	NC
KAPE*	Cape Girardeau	MO		WCBG*	Greencastle	PA
WUTQ*	Utica	NY		WPSN	Honesdale	PA
1560 WAUX*	Waukesha	WI		WMIM^	Mt. Carmel	PA
WSQR*	Plano	IL		WCAM*	Camden	SC
KQYX	Joplin	MO	1600	WBLY*	Springfield	OH
WTOD	Toledo	OH		WTFE*	Tiffin	OH
WHAT^	Clemson	SC	1650	KDNZ*	Cedar Falls	IA
WFSP^	Kingwood	WV	1690	WPTX*	Lexington Park	MD

Professional Sports Networks
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 Chicago, IL 60643-2409
 Network listings for team sports stations

Bill Hale reports the following corrections to the Minor League Baseball listings in my last column: The data listed for the Texas League are really for the Texas-Louisiana League. The correct web address for the Texas League is

<<http://www.texas-league.com/>>
 The Round Rock Express (formerly the Jackson Diamond Kats) moved from Jackson, MS this year to Round Rock, TX (a north suburb of Austin). Their games are on KVET-1300. The team is primarily owned by Hall-of-Famer Nolan Ryan. Jackson picked up another team and re-named them the same as they had.

Here are the rest of the Texas League (AA) teams. Some web sites did not list broadcast stations; I have no idea if there are radio broadcasts of these teams' games.

Arkansas (Little Rock) Travellers			www.travs.com
El Paso Diablos	750	KAMA-TX (SS)	www.diablos.com Miguel Flores
Midland Rock Hounds	550	KCRS-TX	www.midlandrockhounds.org
Round Rock (N Austin) Express	1300	KVET-TX	www.roundrockexpress.com
San Antonio Missions	680	KKYX-TX	www.samissions.com
Shreveport Captains			www.shreveportcaptains.com
Tulsa Drillers			www.tulsadrillers.com
Wichita Wranglers	1480	KQAM-KS	www.wichitawranglers.com Brett Shetzlsle

Art Blair reports that the Fresno Grizzlies (AAA Pacific Coast League) are on 1340 KCBL-CA (not KCBS).

Here is the Canadian Football League (CFL) flagship information for the 2000 season from www.cfl.ca, Mike Brooker, and the team web sites listed below. I assume that the missing names of the announcers will be found on the main CFL web site as the season (which has already begun) progresses.

British Columbia Lions	980	CKNW-BC	www.bclions.com
Calgary Stampeders	770	CHQR-AB	www.stampeders.com
Edmonton Eskimos	630	CHED-AB	www.esks.com
Hamilton Tiger-Cats	900	CHML-ON	www.tigercats.on.ca Bob Hooper, Russ Jackson
Montreal Alouettes	800	CJAD-PQ (EE)	www.alouettes.net
	730	CKAC-PQ (FF)	
	104.1	CFZZ-PQ (FF)	
Saskatchewan Roughriders	980	CKRM-SK	www.saskriders.com Rod Peterson, Carm Carter
Toronto Argonauts	590	CJCL-ON	www.argonauts.on.ca/ArgosNews/may23_arg.html
Winnipeg Blue Bombers	680	CJOB-ON	bluebombers.com Bob Irving, Goeff Currier



Graveyard Achievements

Distance records for stations logged on graveyard frequencies



Logged from Jan 1, 1960 to Present

Date of Last Update: April 16, 2000

indicates record held from Alaska or Hawaii

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

Station	City	DXer	DX Location	Miles
WDNG	AL Anniston	Steve Kennedy	Coal Township, PA	712
WSMQ	AL Bessemer	Mike Hawk	Omaha, NE	732
WDLK	AL Dadeville	Jim Renfrew	Rochester, NY	837
WWNT	AL Dothan	Don Trelford	Runaway Bay, Jamaica	1019
WFIX	AL Huntsville	Carl Dabelstein	Lincoln, NE	686
WLAY	AL Muscle Shoals	Carl Dabelstein	Omaha, NE	642
WLAY	AL Muscle Shoals	Ernie Wesolowski	Omaha, NE	(Tie) 642
KLAM	AK Cordova	Esa Hänninen	Lemmenjoki, Finland	3497
KAWT	AZ Douglas	Phil Bytheway	Seattle, WA	1311
KNOT	AZ Prescott	Bruce Reynolds	Warrensburg, MO	1076
KVSL	AZ Show Low	Robert Kramer	Chicago, IL	1328
KOPO	AZ Tucson	Mike Hardester	Modesto, CA	674
KENA	AR Mena	Carl Dabelstein	Overland Park, KS	307
KYOR	CA Blythe	Mike Sanburn	Bellflower, CA	214
KAVA	CA Burney	Nancy Johnson	Aberdeen, WA	436
KOWN	CA Escondido	Michael Rolph	Oakwood, NSW	7406
KOWN	CA Escondido	Tim Hall	Lone Pine, CA	*247
KPSI	CA Palm Springs	Carl Dabelstein	Phoenix, AZ	256
KTIP	CA Porterville	Frank Merrill	Nenana, AK	#2319
KTIP	CA Porterville	Tim Hall	Chula Vista, CA	*142
KEST	CA San Francisco	Esa Hänninen	Lemmenjoki	4907
KSOL	CA San Francisco	Dave Whatmough	Hamilton, ON	*2244
KVML	CA Sonora	Nancy Johnson	Aberdeen	645
KVEN	CA Ventura	Michael Rolph	Oakwood	7329
KVEN	CA Ventura	Richard E. Wood	Keaau, HI	#2410
KVEN	CA Ventura	Phil Bytheway	Seattle	*937
KOBO	CA Yuba City	Esa Hänninen	Lemmenjoki	4799
KOBO	CA Yuba City	Phil Bytheway	Seattle	*587
KGIW	CO Alamosa	Olle Alm	Abisko, Sweden	4600
KGIW	CO Alamosa	Frank Merrill	Milan, MI	*1222
KDMN	CO Buena Vista	Wayne Heinen	Aurora, CO	95
KGRE	CO Greeley	Olle Alm	Abisko	4386
KATR	CO Greeley	Jim Boehm	San Antonio, TX	*836
KDRW	CO Silverton	Niel Wolfish	Winnipeg, MB	959
WNAB	CT Bridgeport	Frank Wheeler	Erie, PA	423
WILM	DE Wilmington	Don Trelford	Runaway Bay, Jamaica	1477
WILM	DE Wilmington	Steve Francis	Alcoa, TN	*535
WOL	DC Washington	Barry McLarnon	Ottawa, ON	451
WWJB	FL Brooksville	Jerry Starr	Youngstown, OH	872
WMFJ	FL Daytona Beach	Andy Rugg	Montreal, PQ	1196
WOCN	FL Miami	Joe Kureth	Southern Pines, NC	648
WBSR	FL Pensacola	Don Trelford	Runaway Bay	1040
WBSR	FL Pensacola	Carl Dabelstein	Lincoln	*891
WSPB	FL Sarasota	Dave Whatmough	Hamilton	1111
WSTU	FL Stuart	Steve Kennedy	Coal Township	964

WTAL	FL Tallahassee	Charles Reh	Leamington, ON	808
WGPC	GA Albany	Don Trelford	Runaway Bay	1007
WBHF	GA Cartersville	Ron Bailey	Shelby, NC	201
WCOR	GA Cornelia	Carl Dabelstein	Lincoln	840
WKEU	GA Griffin	Ron Bailey	Shelby	209
WMVG	GA Milledgeville	Don Trelford	Runaway Bay	1079
WMVG	GA Milledgeville	Steve Francis	Alcoa	*191
WQQT	GA Savannah	Russ Edmunds	Parsippany, NJ	711
WVLD	GA Valdosta	John Wilkins	West Des Moines, IA	946
KBFI	ID Bonners Ferry	Shawn Axelrod	Winnipeg, MB	867
KVSI	ID Montpelier	Phil Bytheway	Seattle	651
KORI	ID Payette	Esa Hänninen	Lemmenjoki	4420
KIOV	ID Payette	MB DXpedition	Valhalla Beach, MB	*1053
KEZJ	ID Twin Falls	Olle Alm	Abisko	4411
KEZJ	ID Twin Falls	Shawn Axelrod	Winnipeg	*962
WCEV	IL Cicero	Shawn Axelrod	Winnipeg	708
WVON	IL Cicero	Joe Kureth	Southern Pines	643
WKEI	IL Kewanee	Carl Dabelstein	Lincoln	352
WCVS	IL Springfield	Russ Edmunds	Parsippany, NJ	818
WAFX	IN Fort Wayne	Niel Wolfish	Winnipeg	833
WLYV	IN Fort Wayne	Shawn Axelrod	Winnipeg	(Tie) 833
WXVW	IN Jeffersonville	Niel Wolfish	Winnipeg	968
WASK	IN Lafayette	Niel Wolfish	Winnipeg	814
WAOV	IN Vincennes	Bill Dvorak	Madison, WI	318
KCDR	IA Cedar Rapids	John Wilkins	Wheat Ridge, CO	715
KWBW	KS Hutchinson	Shawn Axelrod	Winnipeg	803
WTCO	KY Campbellsville	Russ Edmunds	Little Silver, NJ	652
WWXL	KY Manchester	Jeff Falconer	Clinton, ON	462
WPAD	KY Paducah	Shawn Axelrod	Winnipeg	968
WLKS	KY West Liberty	Charles Reh	Leamington	287
KSIG	LA Crowley	Ron Schiller	Lighthouse Point, FL	794
KNOC	LA Natchitoches	Frank Merrill	Milan	883
WNPS	LA New Orleans	Charles Reh	Leamington	935
WRKD	ME Rockland	Jean Burnell	St. John's, NF	825
WKTQ	ME South Paris	Don Voorhies	Oswego, NY	303
WTVL	ME Waterville	Steve Kennedy	Coal Township	436
WTBO	MD Cumberland	Barry McLarnon	Ottawa	423
WTHU	MD Thurmont	Charles Reh	Leamington	317
WNBP	MA Newburyport	Steve Kennedy	Coal Township	322
WMAS	MA Springfield	Steve Kennedy	Coal Township	221
WABJ	MI Adrian	Steve Kennedy	Coal Township	397
WATZ	MI Alpena	MB DXpedition	Valhalla Beach, MB	734
WHTC	MI Holland	Carl Dabelstein	Omaha	525
WMIQ	MI Iron Mountain	Ernie Wesolowski	Omaha	(Tie) 525
WHIC	MI Holland	Niel Wolfish	Winnipeg	500
WHIC	MI Holland	Shawn Axelrod	Winnipeg	(Tie) 500
WIBM	MI Jackson	Ron Musco	Windsor	580
WKLA	MI Ludington	Steve Kennedy	Coal Township	552
WNBY	MI Newberry	Russ Edmunds	Parsippany	679
WHLS	MI Port Huron	Steve Francis	Alcoa, TN	503
KATE	MN Albert Lea	Olle Alm	Abisko	3963
KATE	MN Albert Lea	Niel Wolfish	Winnipeg	*454
KATE	MN Albert Lea	Shawn Axelrod	Winnipeg	(Tie) *454
KBUN	MN Bemidji	Gary Atkins	Louisville, KY	805
KBMW	MN Breckenridge	Esa Hänninen	Lemmenjoki	3975
KBMW	MN Breckenridge	Morris Sorensen	Leaf Rapids, MB	*755
WELY	MN Ely	Joe Kureth	Uniontown, MD	931
KCLD	MN St. Cloud	Don Trelford	Scarborough, ON	743
WROX	MS Clarksdale	Andy Rugg	Waterloo, ON	820
WCJU	MS Columbia	Joe Kureth	Uniontown	921
WJXN	MS Jackson	Charles Reh	Leamington	791

WMGP	MS	Meridian	Don Trelford	Scarborough	940
WRTM	MS	Vicksburg	Steve Kennedy	Coal Township	988
WROB	MS	West Point	Jerry Starr	Youngstown	678
KFTW	MO	Fredericktown	Jim Boehm	San Antonio	731
WMBH	MO	Joplin	Niel Wolfish	Winnipeg	903
WMBH	MO	Joplin	Shawn Axelrod	Winnipeg	(Tie) 903
KIRX	MO	Kirksville	Niel Wolfish	Winnipeg	692
KIRX	MO	Kirksville	Shawn Axelrod	Winnipeg	(Tie) 692
KOKO	MO	Warrensburg	Paul Mount	Teaneck, NJ	1055
KWPM	MO	West Plains	Steve Francis	Alcoa	443
KXXL	MT	Bozeman	Ernie Wesolowski	Omaha	817
KUDI	MT	Great Falls	Esa Hänninen	Lemmenjoki	4120
KUDI	MT	Great Falls	Ernie Wesolowski	Omaha	*872
KGRZ	MT	Missoula	Nancy Johnson	Aberdeen	462
KRBN	MT	Red Lodge	Shawn Axelrod	Winnipeg	644
KRBN	MT	Red Lodge	Phil Bytheway	Seattle	(Tie) 644
KSKR	MT	Whitefish	Nancy Johnson	Aberdeen	452
KVCK	MT	Wolf Point	Niel Wolfish	Winnipeg	401
KVCK	MT	Wolf Point	Shawn Axelrod	Winnipeg	(Tie) 401
KWBE	NE	Beatrice	John Johnson	Billings, MT	704
KCSR	NE	Chadron	Ernie Wesolowski	Omaha	372
KONE	NV	Reno	Frank Merrill	Nenana	#2086
KONE	NV	Reno	Tim Hall	Chula Vista	*502
WKXL	NH	Concord	Jeff Falconer	Clinton	502
WIIN	NJ	Atlantic City	Esa Hänninen	Lemmenjoki	3968
WFPG	NJ	Atlantic City	Bill Dvorak	Madison	*818
WCTC	NJ	New Brunswick	Steve Francis	Alcoa	613
KRZY	NM	Albuquerque	Ernie Wesolowski	Omaha	709
KLMX	NM	Clayton	Ron Schiller	Monmouth Beach, NJ	1599
KOBE	NM	Las Cruces	Phil Bytheway	Seattle	1336
KSEL	NM	Portales	Shawn Axelrod	Winnipeg	1115
WCLI	NY	Corning	Barry McLarnon	Ottawa	233
WWSC	NY	Glens Falls	Charles Reh	Leamington	463
WICY	NY	Malone	Steve Kennedy	Coal Township	301
WHDL	NY	Olean	Charles Reh	Leamington	210
WKIP	NY	Poughkeepsie	Barry McLarnon	Ottawa	270
WKAL	NY	Rome	Jeff Falconer	Clinton	306
WATA	NC	Boone	Robert Kramer	Chicago	519
WGNC	NC	Gastonia	Barry McLarnon	Ottawa	754
WHVH	NC	Henderson	Andy Rugg	Montreal	678
WHKP	NC	Hendersonville	Don Trelford	Runaway Bay	1212
WHKP	NC	Hendersonville	Barry McLarnon	Ottawa	*777
WCBQ	NC	Oxford	Ron Bailey	Shelby	184
WFBS	NC	Spring Lake	Ron Schiller	Monmouth Beach	448
KGCA	ND	Rugby	Carl Dabelstein	Lincoln	547
WJER	OH	Dover	Jeff Falconer	Clinton	215
WMOH	OH	Hamilton	Niel Wolfish	Winnipeg	942
WMOH	OH	Hamilton	Shawn Axelrod	Winnipeg	(Tie) 942
WLEC	OH	Sandusky	Steve Kennedy	Coal Township	325
KWHW	OK	Altus	Olle Alm	Abisko	4660
KWHW	OK	Altus	Niel Wolfish	Winnipeg	1046
KWHW	OK	Altus	Shawn Axelrod	Winnipeg	(Tie) *1046
KGFF	OK	Shawnee	John Wilkins	Wheat Ridge	543
KSIW	OK	Woodward	Phil Bytheway	Seattle	1401
KKXO	OR	Eugene	Esa Hänninen	Lemmenjoki	4487
KKXO	OR	Eugene	Tim Hall	Monterey, CA	*521
KFLS	OR	Klamath Falls	Esa Hänninen	Lemmenjoki	4600
KFLS	OR	Klamath Falls	Tim Hall	Santa Cruz, CA	*362
KLBM	OR	LaGrande	Esa Hänninen	Lemmenjoki	4348
KLBM	OR	LaGrande	MB DXPedition	Valhalla Beach	*1056
KBPS	OR	Portland	Phil Bytheway	Seattle	144

WWGO	PA	Erie	Marc Delorenzo	Hyannis	504
WFRA	PA	Franklin	UK DXPedition	Sheigra, Scotland	3326
WFRA	PA	Franklin	Marc Delorenzo	Hyannis	*493
WDAD	PA	Indiana	Andy Rugg	Pointe Claire, PQ	425
WDAD	PA	Indiana	Steve Francis	Alcoa	(Tie) 425
WPAM	PA	Pottsville	Andy Rugg	Pointe Claire	348
WMPT	PA	South Williamsport	Frank Merrill	Toledo, OH	342
WMAJ	PA	State College	Steve Francis	Alcoa	481
WJPA	PA	Washington	Barry McLarnon	Ottawa	423
WWRI	RI	West Warwick	Barry McLarnon	Ottawa	332
WQSN	SC	Charleston	Andy Rugg	Montreal	941
WCRS	SC	Greenwood	Harold Frogde	Midland, MI	661
WHSC	SC	Hartsville	Carl Dabelstein	Lincoln	1012
WMYB	SC	Myrtle Beach	Marc DeLorenzo	Hyannis	721
KBFS	SD	Belle Fourche	Shawn Axelrod	Hecla Island, MB	555
KYNT	SD	Yankton	Niel Wolfish	Winnipeg	469
KYNT	SD	Yankton	Shawn Axelrod	Winnipeg	(Tie) 469
KYNT	SD	Yankton	Tim Hall	Winnipeg, MB	(Tie) 469
WLAR	TN	Athens	Ernie Wesolowski	Omaha	741
WMOC	TN	Chattanooga	Ernie Wesolowski	Omaha	728
WMOC	TN	Chattanooga	Carl Dabelstein	Omaha	(Tie) 728
WDSG	TN	Dyersburg	Steve Francis	Alcoa	303
WSMG	TN	Greeneville	Carl Dabelstein	Lincoln	814
WLAF	TN	La Follette	Steve Kennedy	Coal Township	513
WGNS	TN	Murfreesboro	Don Trelford	Scarborough	660
KAYC	TX	Beaumont	Eric McIntosh	Invercargill	8026
KAYC	TX	Beaumont	Michael Hawk	Omaha	*781
KAYC	TX	Beaumont	Ernie Wesolowski	Omaha	(Tie) *781
KAYC	TX	Beaumont	Carl Dabelstein	Omaha	(Tie) *781
KBEN	TX	Carrizo Springs	Carl Dabelstein	Lincoln	865
KCII	TX	Gonzales	Ron Schiller	Dallas, TX	230
KMBL	TX	Junction	Ernie Wesolowski	Omaha	770
KCYL	TX	Lampasas	Steve Ponder	Ft. Worth, TX	123
KMHT	TX	Marshall	Steve Ponder	Bossier City, LA	37
KNET	TX	Palestine	Carl Dabelstein	Lincoln	627
KSNY	TX	Snyder	Ernie Wesolowski	Omaha	671
KSNY	TX	Snyder	Carl Dabelstein	Omaha	(Tie) 671
KCNY	UT	Moab	Carl Dabelstein	Omaha	735
KURA	UT	Moab	Ernie Wesolowski	Omaha	(Tie) 735
KEYY	UT	Provo	Shawn Axelrod	Winnipeg	962
KDXU	UT	St. George	Ernie Wesolowski	Omaha	977
WSNO	VT	Barre	Morris Sorensen	Emsdale, ON	346
WTTA	VT	Brattleboro	Jeff Falconer	Clinton	455
WFTR	VA	Front Royal	Ernie Wesolowski	Omaha	961
WENZ	VA	Highland Springs	Marc DeLorenzo	Hyannis	470
WREL	VA	Lexington	Bob McCoy	Lincoln, NE	946
WMVA	VA	Martinsville	Don Voorhies	Oswego	422
WLPM	VA	Suffolk	Pete Taylor	Williamsburg, VA	41
KAYO	WA	Aberdeen	Esa Hänninen	Lemmenjoki	4300
KBKW	WA	Aberdeen	Richard E. Wood	Keaau	#2583
KBKW	WA	Aberdeen	Tim Hall	Omak, WA	*223
KCLX	WA	Colfax	Olle Alm	Abisko	4168
KCLX	WA	Colfax	Nancy Johnson	Billings, MT	*430
KONP	WA	Port Angeles	Esa Hänninen	Lemmenjoki	4217
KONP	WA	Port Angeles	LEM96	Lemmenjoki, Finland	(Tie) 4217
KONP	WA	Port Angeles	Shawn Axelrod	Swan River, MB	*1017
KAYE	WA	Puyallup	John Johnson	Sheridan, WY	753
WZAC	WV	Madison	Barry McLarnon	Ottawa	593
WPAR	WV	Parkersburg	Jim Renfrew	Rochester	318
KFIZ	WI	Fond du Lac	Morris Sorensen	Leaf Rapids	1055
WHRY	WI	Hurley	Niel Wolfish	Winnipeg	394

Don't touch that dial!

Satellite radio could make long hauls more bearable

By Warren Brown

The Washington Post

WASHINGTON — You finally get into a groove on a long road trip. You find a radio station playing blues and you're rolling along with those joyful noises when, suddenly, they are replaced by static and a local preacher urging you to be "saved."

Furious fidgeting over the radio dial proves fruitless. You've lost the station and the blues troupe. You're in the middle of a broadcast wasteland, beset by fire and brimstone and country music.

You start rummaging through tapes and compact discs in hopes of relieving your frustration, which isn't cool either, considering that you're driving 65 mph.

Not to worry. By the end of the year, you can start saying "good-bye" to all of that. Welcome to the dawning of digital satellite radio, a broadcast technology that promises to give you what you want when you want it where you want it — without static, station fading, or numerous commercial interruptions.

The Federal Communications Commission in 1987 licensed two companies to develop digital radio broadcasting systems. One is XM Satellite Radio, based in Washington. The other is Sirius Satellite Radio, headquartered in New York City's Rockefeller Center.

Both companies plan to be on the air by the end of this year. Each firm will have 100 digital stations, super-clear channels accessible nationwide by subscribers. Those stations will offer a wide range of music, news, views, sports and family programming.

Combined with in-vehicle telecommunications, navigation, wireless Internet and emergency response and concierge services (such as those cellular and satellite services offered by General Motors Corp.'s OnStar system), satellite radio promises to revolutionize the radio broadcast industry and the way we deal with that industry in our cars and trucks.

Take, for example, the matter of new talent — say, local musicians with national talent who lack national exposure. Both XM Satellite and Sirius officials said that some of their stations could

be used as national audition halls, giving the U.S. public a chance to hear new artists they otherwise might have missed.

All of this is going to cost money, of course. Subscribers will pay about \$10 per month for basic services. That will include the cost of satellite-ready radios, which can be factory-installed or put into vehicles as aftermarket replacements for traditional radios. Satellite adapters also will be sold to make traditional radios accept satellite broadcast signals.

Choosing more advanced satellite radios — for example, those that can store for future retrieval the names of songs and artists from earlier broadcasts — can increase monthly costs. In terms of equipment pricing alone, the installation of satellite radios should boost the cost of most high-end car stereos by \$150, according to analysts at Credit Suisse First Boston Corp.

Automotive and broadcast industry analysts expect this to become big business. Currently, there are 200 million passenger cars and light trucks on U.S. roads, nearly all of them equipped with radios and related sound equipment, such as cassette and compact disc players.

Sales of new cars and trucks in the United States, since 1999, have been about 17 million vehicles annually. Even if, as expected, those numbers start heading south in 2001, analysts still expect new vehicle sales to come in at 16 million-plus, still a healthy market for the new radio systems.

The targeted customers for the emerging broadcast technology are the nation's 110 million commuters who travel via passenger cars or light trucks on their daily runs. An estimated 35 million of those people drive more than one hour a day, according to Credit Suisse First Boston analysts.

Other analysts predict that XM and Sirius could share 25 million subscribers, along with an estimated \$3 billion in annual revenues, within the next five years.

The satellite radio firms also will go after listeners in brick-and-mortar homes, motor homes, and on boats, the analysts say.

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WHRY	WI	Hurley	Shawn Axelrod	Winnipeg	(Tie) 394
WDLB	WI	Marshfield	Steve Kennedy	Coal Township	743
WPEP	WI	Park Falls	Ernie Wesolowski	Omaha	431
WRCO	WI	Richland Center	John Johnson	Sheridan	829
KBBS	WY	Buffalo	Olle Alm	Abisko	4167
KBBS	WY	Buffalo	Ernie Wesolowski	Omaha	*577
KBBS	WY	Buffalo	Carl Dabelstein	Omaha	(Tie) *577
KVOW	WY	Riverton	Olle Alm	Abisko	4281
KVOW	WY	Riverton	Mike Sanburn	Bellflower	*820
CFHC	AB	Canmore	Tim Hall	Lake Louise, AB	41
CKYR	AB	Jasper	Shawn Axelrod	Winnipeg	928
CBKS	BC	Cache Creek	Tim Hall	Ellensburg, WA	267
CHET	BC	Chetwynd	Frank Merrill	Lenana	1110
CHBV	BC	Houston	Esa Hänninen	Lemmenjoki	3841
CKSP	BC	Summerland	Nancy Johnson	Aberdeen	263
CBG	NF	Gander	Olle Alm	Göteborg, Sweden	2694
CFAB	NS	Windsor	UK DXpedition	Sheigra	2604
CFAB	NS	Windsor	Jean Burnell	St. John's	*576
CFJR	ON	Brockville	Charles Reh	Leamington	386
CHUC	ON	Cobourg	MB DXpedition	Valhalla Beach	987
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