WTIC/KRLD 'Event' ... Everyone who subscribes to the NRC DX AS listserv knows that the WTIC/KRLD off-air event finally occurred March 18, beginning at 0100 ELT with KRLD leaving the air, and WTIC following suit around 0134, leaving scattered other 1080 stations to be heard by DX'ers.

NRC'ers know that the Auyer endevour WTIC made it at least as far west as Missouri and CT (rejoins); William Edwards, Fort Worth, TX; and others. The April 9 DXN; check DDXD for details.

What you heard.

NRC'ers knows that the Auyer endevour WTIC made it at least as far west as Missouri and CT (rejoins); William Edwards, Fort Worth, TX; and others. The April 9 DXN; check DDXD for details.

From the Publisher

I need to share with the membership that we have had to take what I'll call "disciplinary" action against several members recently for various infractions, especially spurious or incomprehensible reports to the DX columns, but more for simply refusing to cooperate and accede to our many requests for them to clean up their respective acts.

At the same time, I need to thank the other members who continue to send in valuable contributions and to bend over to cooperate with our requests and formats. As a result, you should be able to comprehend and trust ALL of the loggings you find in DXN from now on ... and if you have any questions or problems with future loggings, kindly direct them to the publisher.

Welcome to these new members ... Stephen E. Auyer N2TKX, Liverpool, NY; John R. Stacy, Midwest City, OK; Robert Taylor, Memphis, TN; Mike Leiviska, Oak Grove, MN; Paul McDonough, Medford, MA; John K. Butler, Novato, CA; Bob Zabot, Virginia Beach, VA; Rick Kenneally, Wilton, CT (reprint); William Edwards, Fort Worth, TX; and Markman Brothers O'Neals, CA.

From the pages of DX News:

50 years ago ... from the March 24, 1951 DXN: It was announced that member Steve Mann, Westbury, NY, had prepared a logbook of all Central and South American CB stations from official government lists, available at 50¢ per copy ... from the March 31 DXN ... Members reporting reception of the DX program from FGN-1180 were Hal Williams, Seymour, CT; Charlie Conley, Lenoir, NC; and Steve Mann, Westbury, NY.

25 years ago ... from the March 29, 1976 DXN: Gary Atkins, Louisville, KY announced that the LADS GTG on February 1 attracted eight, including another prospective member for the NRC ... Marty Wright, Spring field IL said that he had been in WJ trying to buy a radio station, although he decided not to purchase due to its financial condition. "... But I am in the market for a cheap station," he added.

10 years ago ... from the April 1, 1991 DXN: In her "Radio Waves" column, Laura McCusker quoted an FCC report from 1990 that indicated that 42% of the stations visited by the FCC operated with AM power patterns out of licensed tolerance, and 18% of AMers were operating over or under licensed power.
CALL LETTER CHANGES

<table>
<thead>
<tr>
<th>Old call</th>
<th>New call</th>
</tr>
</thead>
<tbody>
<tr>
<td>KACD</td>
<td>CA Thousand Oaks KSSC</td>
</tr>
<tr>
<td>KVQV</td>
<td>CA Hesperia KRAK</td>
</tr>
<tr>
<td>WRBF</td>
<td>FL Kendal WRHB*</td>
</tr>
<tr>
<td>KHPT</td>
<td>NM Los Raschos de Albuquerque KALU</td>
</tr>
<tr>
<td>WAMT</td>
<td>MT Titusville WIXC</td>
</tr>
<tr>
<td>WGLY</td>
<td>NY Flattsburgh WLFE</td>
</tr>
<tr>
<td>WTFL</td>
<td>NC Red Springs WYRU*</td>
</tr>
<tr>
<td>WYBN</td>
<td>MI Soline WCAS</td>
</tr>
<tr>
<td>KRAK</td>
<td>CA Sacramento WSJN</td>
</tr>
<tr>
<td>WKEA</td>
<td>AL Bridgeport WYMR</td>
</tr>
<tr>
<td>WSZE</td>
<td>MA Boston WWZN</td>
</tr>
<tr>
<td>WYRU</td>
<td>GA Augusta WTEL*</td>
</tr>
</tbody>
</table>

*Old call notes: WRBF/WRHB was shown on 1120 last issue, a typo. After digging through a lot of call histories at the FCC, we believe WTEL and WYRU information shown above is correct … at least as of 3/15/01

APPLICATIONS FOR NEW STATIONS

<table>
<thead>
<tr>
<th>Old call</th>
<th>New call</th>
</tr>
</thead>
<tbody>
<tr>
<td>NY</td>
<td>RN: 1000/400 U2</td>
</tr>
<tr>
<td>AZ</td>
<td>Casa Grande: 250/250 U4</td>
</tr>
<tr>
<td>WA</td>
<td>Pullman: 3000/250 U2</td>
</tr>
<tr>
<td>AZ</td>
<td>Fort Deposit: 450 D3</td>
</tr>
<tr>
<td>PA</td>
<td>Reading: 850/225 U4</td>
</tr>
<tr>
<td>TX</td>
<td>Reading: 450/140 U4</td>
</tr>
<tr>
<td>TX</td>
<td>Frankfort: 400/250 U4</td>
</tr>
<tr>
<td>VA</td>
<td>Exmore: 220/220 U4</td>
</tr>
<tr>
<td>MN</td>
<td>Verndale: 1000/500 U2</td>
</tr>
<tr>
<td>NM</td>
<td>Artesia: 1000/250 U4</td>
</tr>
<tr>
<td>CA</td>
<td>Shasta Lake City: 1000/1000 U3</td>
</tr>
<tr>
<td>CA</td>
<td>Blue Lake: 250/250 U2</td>
</tr>
<tr>
<td>VA</td>
<td>Glen Allen: 5000/1700 U4</td>
</tr>
<tr>
<td>VA</td>
<td>Glen Allen: 5000/1800 U4</td>
</tr>
<tr>
<td>GA</td>
<td>Cordele: 1000/1000 U1</td>
</tr>
<tr>
<td>UT</td>
<td>Moab: 1000/1000 U1</td>
</tr>
</tbody>
</table>

APPLICATIONS FROM EXISTING FACILITIES

<table>
<thead>
<tr>
<th>Old call</th>
<th>New call</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIDS</td>
<td>KY Russell Springs: 500/42 U1</td>
</tr>
<tr>
<td>KMJY</td>
<td>WA Newport: 1000/600 (10000CH) U2</td>
</tr>
<tr>
<td>WJJB</td>
<td>MS Brunswick: 1000/66 U1</td>
</tr>
<tr>
<td>KXEJ</td>
<td>TX Sherman: 1000/500 U4</td>
</tr>
<tr>
<td>KGHO</td>
<td>WA Olympia: 3000/17 U1</td>
</tr>
<tr>
<td>WSLJ</td>
<td>MS Jackson: 5000/300 U2</td>
</tr>
<tr>
<td>WAKM</td>
<td>TN Franklin: 5000/80 U1</td>
</tr>
<tr>
<td>KEYF</td>
<td>WA Dishman: 5000/260 U1</td>
</tr>
<tr>
<td>WKQW</td>
<td>PA Oil City: 930 (9300CH) D1</td>
</tr>
<tr>
<td>KSOX</td>
<td>TX Raymondville: 920/850 U1</td>
</tr>
<tr>
<td>WISO</td>
<td>PR Ponce: 2500/2500 U1</td>
</tr>
<tr>
<td>WPEN</td>
<td>SC Darlington: 1000/1000 U1</td>
</tr>
<tr>
<td>KFIV</td>
<td>CA Modesto: 4000/950 U4</td>
</tr>
<tr>
<td>KTSP</td>
<td>UT St George: 1000/500 U1</td>
</tr>
</tbody>
</table>

GRANTS TO EXISTING FACILITIES

<table>
<thead>
<tr>
<th>Old call</th>
<th>New call</th>
</tr>
</thead>
<tbody>
<tr>
<td>1700 AM</td>
<td>106.3 FM</td>
</tr>
</tbody>
</table>

OTHERNESS

<table>
<thead>
<tr>
<th>Old call</th>
<th>New call</th>
</tr>
</thead>
<tbody>
<tr>
<td>560</td>
<td>KNRJ CA Redding: station is SILENT</td>
</tr>
<tr>
<td>620</td>
<td>WGTG SC Cayce: CP for 1000/126 U1 is on</td>
</tr>
<tr>
<td>920</td>
<td>KLOC CA Ceres: silent station is ON THE AIR</td>
</tr>
<tr>
<td>980</td>
<td>WPPE WI Prairie du Chien: CP for 1000/30 U1 is on</td>
</tr>
<tr>
<td>1200</td>
<td>KFIL MN Preston: CP to relocate transmitter is on</td>
</tr>
<tr>
<td>1200</td>
<td>KWMQ GA Moultrie: according to the paper trail at the FCC, the CP to move to 580 kHz Riversi, GA was never used, and the station has remained on 1130, this despite all other major databases such as NRC and MSJ showing a move to 580 several years ago (see Otherness in Issue 62)</td>
</tr>
<tr>
<td>1400</td>
<td>KKPQ CA Delano: call shown as &quot;WRQM&quot; in last issue's Otherness was a typo</td>
</tr>
<tr>
<td>1440</td>
<td>KXLE MO Liberty: CP for 500/6 U1 is on</td>
</tr>
<tr>
<td>1500</td>
<td>KVCO CO Boulder: CP for 6800/110 (50000CH) U1 is on</td>
</tr>
<tr>
<td>1550</td>
<td>KSRB WA Seattle: CP for 10000/600 U2 is on</td>
</tr>
<tr>
<td>1240</td>
<td>KKLE WA Ellensburg: CP to relocate transmitter is on</td>
</tr>
<tr>
<td>1340</td>
<td>KKYD CO Denver: silent station is ON THE AIR</td>
</tr>
<tr>
<td>1340</td>
<td>WCMC KY Ashland: CP for 700/700 U1 from new site is on</td>
</tr>
<tr>
<td>1340</td>
<td>KEXO MO Mexico: CP for 960/960 U1 is on</td>
</tr>
<tr>
<td>1410</td>
<td>WDSK MS Cleveland: CP to relocate transmitter is on</td>
</tr>
<tr>
<td>1490</td>
<td>WCIN OH Cincinnati: CP for 1200/250 U4 from new site is on</td>
</tr>
<tr>
<td>1590</td>
<td>KWAU WI Lake Geneva: station is SILENT</td>
</tr>
<tr>
<td>1350</td>
<td>KRAN CA Merced: silent station is ON THE AIR (and expects their 1660 kHz station to be on &quot;very soon&quot;)</td>
</tr>
</tbody>
</table>

THANKS: Don Kaskey, Ed Kepny, Art Blair, Bill Hale, Wayne Heinen, Shawn Axelrod, Ollie Alm, Montag Fortz, and MSJ
Domestic DX Digest

West: Bill Hale phantom 2@eaze.net
6124 Hoisington Springs Drive - North Richland Hills, TX 76180-5592
East: Michael Shaw mshaw002@tampabay.rr.com
455 Alt. 19 S., Apt. 176 - Palm Harbor, FL 34683-5931

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

**DDXD-West**

**MEDIUM WAVE RAMBLINGS**

- Commenting on the recent trip to the DX bus, Shawn sez: “Well the weather was nice and warm and the walk-in much better than the last trip. The DX was great too with new ones popping up. TA and TF were still no were to be found above 200 kHz. I also logged some new Longwave beacons. Will try for one more trip before Spring thaw and the fields get too wet.” Tim Hall was also on the road recently, and comments: “Conditions were pretty disappointing. I drove down to Pearrell to get away from San Antonio’s pests (especially those on channels adjacent to GY channels), with results that were no better than in San Antonio. With a few exceptions (KSOX-1240 comes to mind), South Texas stations seem to get out poorly. Mexican GY stations, on the other hand, get out pretty well.” Don writes: “This morning (5/6) at 1270 at 7:17 am the announcer on KPLY-Sparks was giving a promo (very large spine) on the move of all spurts radio KPLY to 1230 kHz on Monday March 12th. This would lead one to believe that KCBN will move to 1270 also, probably with NOS format. I’m sure this will go over great with all their fringe listeners. They are very listenable in S.F. 70% of the time.”

- Since the KLKD/WTC event was re-scheduled for Sunday, March 18, I expect a ton of 1080 march events. (TRH-TX1)

*UNIDs and UNID Help*

700 UNID ?? / 0215 - UNID Radio Unica station. (TRH-TX2)
780 UNID ?? / 0215 - Poor signal, under WBBM, with country music. Best to south. (MBDXP)
890 UNID ?? / 0315 - 0240-0248 - Weak station, with CW music, as KDKU faded down. (MBDXP)
510 UNID ?? / 0322 - K-SOX (MBDXP)
1230 UNID ?? / 0306 - REL program, focus on the Family is brought to you as always by Don’s Christian Bookstore. Can’t find any listing for such a business in Texas, New Mexico, Oklahoma, or Louisiana. (TRH-TX2)
1250 UNID ?? / 0315 - Odd, possible Middle Eastern music and man in unknown language. Best to south and east. (MBDXP)
1400 UNID ?? / 03/0701 - News menning Arkansas and Union County. Probably KELD-AR, but no ID noted. (TRH-TX2)
1450 UNID ?? / 0315 - For Lincoln Ready-Mix, then into valley weather. There is a Lincoln County Ready Mix in Ada, OK, so possibly KGFF-OK. (TRH-TX2)
1600 WCPK VA Chesapeake - Is likely JF-JS’s unind in #21, as they use that slogan, has that format, and often forgets to pull the switch. (RJE-PJ)
1690 WPTX MD Lexington Park - is most certainly RDA’s unind in #21. This station programs talk part of the time and “Legends” part of the time. (RJE-PJ)

**TIS & OTHER STUFF**

530 WPLX284 CO Denver - 03/0559 - Good signal, with road information on I-25. (MBDXP)
530 (TIS) TX New Brunetts - 2/28 2130 - Station noted running OC as I drove through the area. Seems to stay that way all three days I was in the area. (TRH-TX1)
580 WPZ1429 TX Austin - 03/1610 - Two HAR stations using this call and running the same message. English announcements by man, Spanish by woman. Audible as far away as Lockhart. (TRH-TX1)
800 WPITL34 TX Austin - 03/1620 - HAR station operated by the Austin district of the Texas DoT. Information on upcoming road closures. (TRH-TX1)
1960 WP1661 WY Cheyenne - WY - 03/20 - Poor signal, with partial ID, as WP1661(? 1601 AM, saying they were Travel Advisory Radio for Wyoming. Not sure on calls. New. (MBDPX)
1600 TIS TX Austin - 2/28 2003 - New TIS is now on the air at Austin’s Bergstrom International airport. Tape loop talks about local bus service, parking, etc. No call letters. This station gets out extremely well. It was audible most of the way to San Antonio at night. (TRH-TX1)
1660 WPP1551 CA San Diego - 3/14 1345 - San Diego Convention Center station is here now, ex: 1620, with usual info about convention center parking. Still using incorrect calls WJF551. (TRH-CAN)
1660 TIS CA San Diego - 3/13 2125 - New TIS testing at San Diego International Airport (Lindbergh Field). One-sentence test message does not include any call letters. Gets out pretty well. (TRH-CAN)

**STATION NEWS & NOTES**

730 CJNW BC Vancouver - 03/0730 - Poor, under CKDM, with talk programming and TC. New calls. (MBDXP)
820 WYPA IL Chicago - Now 1-on-1 Sports. (Tim Noonan at http://www.angelfire.com/ wi/dxving/#head)
970 WBCG NC Canton - 03/0211 - Fair, alone on frequency, with Best Country – WBCG. (Ex: WWIT. (J/JR-W))

---

**NEWSTEX_broadcasting_corporation**

**PLCP**

**1460 kHz**

**1460 kHz**

---

**MIDNIGHT TO MIDNIGHT ELT**

540 CBK SK Regina - 2/27 0730 - Talk on Canadian energy policy, then into CBC News. (TRH-PK)
550 KFMR ND Bismarck - 3/10 0630 - Female with K-Fire 550 KFMR over others. (J/JR-W)
KNEW seldom allows anything in on this frequency. (D KK-C A)
Las Vegas - 3/11 0247 - With basketball and an ad saying that Oldsmobile was the official car of the NCAA Basketball Tournament. New. (KR-AZ)

CKKN ON Wingham - 3/11 0003 - Fair, at 20/9 in local WOKY null! Calls into PSA. C&W. (JJR-WI)

KSEI ID Portage - 3/11 0083 - With call ID, then into item about basketball coach Bobby Knight. (AB-CA)

KXIT TA Des Moines - 3/11 0087 - Fair, with Des Moines ad, talk about upcoming events in Des Moines, AM-940 slogan, and talk about NFL signings. (MS-MB)

KVSH NE Valentine - 3/11 1927 - Fair, with detailed weather for area. No CJNW. (JJR-WI)


KJR WA Seattle - 3/11 2104 - With ID after news, then into ads. Atop 950 but usual strong KABE-960 drop. Playing C&W music. (D KK-C A)

CFC AB Calgary - 3/10 0107-0115 - Atop, with Come Home To Your Country Connection. CFAC Calgary at 0112 atop in tight KABE null. Playing C&W music. (D KK-C A)

KJQX WA Yakima - 3/9 2220-2230 - With ESPN Radio. During break from 2223-2226 two KJQX Sports IDs were heard as well as local ads. Atop, with KFWB nulled out. (D KK-C A)

KXE AZ Tolleson - 3/4 2005 - Church news from Phoenix, followed by preaching then signal faded out. New her. (J R-O K)


KVNI ID Coeur d'Alene - 3/5 0910 - With great signal, atop all, with ID and time during a local news show. News 4 Heather Central weather at 0911. Best ever heard. (D KK-C A)

WTIC CT Hartford - 3/3 0025-0035 - Very weak, with News Talk 1080 WTIC at 0030. (TK-AI)

WKJK KY Louisville - 3/3 0035-0050 - Fair signal for 1 kW but their ERP toward you is about 8 kW. - Ed ] No IDs format with promo: Write in P.O. Box 4007 (?) For your Local Listener Card. KRLD always dominant. (AB-CA)


KYET AZ Williams - 3/7 0300 - With ID after C&W music. Loudly atop the frequency. Open carrier followed ID, so may have been an equipment test. (D KK-C A)

WHAM NY Rochester - 3/4 2055 - Call ID), political ads, then sports news. Signal was strong on fade-ins. (J R-O K)

CFLS SK Weyburn - 3/10 0548 - Very good at 20/9! No WOWOW. C&W. (JJR-WI)

KOQI CA Sequel - 3/6 2120 - Noted extremely loud with C&W music. Probably using their 10 kW. (D KK-C A)

KMVL TX Madisonville - 3/5 2120 - NOS music ad, for Madisonville Radio. This frequency is adjacent to local WBZZ-1220. Heard best on Racal RA6772E in this strong interference. New here. (J R-O K)

KCGO CA Bakersfield - 3/6 0300 - With Bakersfield ads and ID. Only atop briefly. (D KK-C A)

KPRL CA Paso Robles - 3/6 2130 - With AM 1230 KPRL ID. (D KK-C A)

WEAE PA Pittsburg - 3/3 2043 - Fair signal, with ESPN programming and ads for Pittsburgh. New (MBDXP)

KLYC OR McMinnville - 3/9 2055-2215 - Under/over KILT, in locals tight null, with Oregon 3A High School Basketball Tournament. Pleasent Hill Hillblazers versus Two Tigers. Numerous local ads and IDs throughout. Called station and startled them, hi. First time this one was ever heard here. (D KK-C A)

CFRN AB Edmonton - 3/6 0654 - Spot for oldies program and AM 12 60 CFRN ID. (AB-CA)

KVVG TX Pearsall - 3/1 2030 - Loud, with satellite country as I drove into Pearsall. When I left Pearsall (after 2200), the station was off the air. (TRH-TXI)

WMCS WI Greenfield - 3/3 1954 - Poor, in CIST null, with Milwaukee ads. (MBDXP)
UNID, UNID HELP, PRESUMED AND CORRECTIONS

680 UNID 03/10 0008 - Weak with Arabic type music. Has to originate to the east or northeast of Indy as well as everywhere to the west is phased out. Need help on this one. (SC-IN)

880 UNID 03/07 1825 - Poor with talk program and "Classic Talk 880" slogans. (JF-ON)

900 UNID 03/06 1945-1800 [Maybe 1945-2000? - MS] - The Joan Rivers Show in partial CHML null. ID blown out, but had Broadcast News. Almost certainly must be CKTS. If CHML has Broadcast News, I’ve never heard it. (SK-PA)

910 WGToP M1 Cassopolis - 03/03 2253 - 1980s-style "WGTO" jingle, then "You’re Mine (Well Belong Together)". Clear for a moment then in mix with second oldies station and One-on-One Sports. Partial ID from one at 2300 "Good Times and Great Oldies". WGTO had all, or mostly all 50s oldies. (SK-PA)

970 UNID 03/01 2227 - "Fox Sports Radio - The Buzz." This is a regular here, suspect Pittsburgh, PA. Never caught a callign yet. (DT-CT)

990 WALEp RI Providence - 02/14 1925 - In with REL programing and brief weathercast for the area. (LW-NY)

1070 WLFEp NY Plattsburgh - 02/10 0730 - C&W music on "Double Play Saturday" on "Your kinda Country 1070". Mixing with WKOK, sounding like they’re located in VT but it’s formerly WKDR. (LW-NY)

1250 WAREp MA Ware - 03/09 1709 - Presumed the one here with Latin American music and numerous "La Mega" and "La Mej/Meg" ID/liners. On top at sunset on both 03/09 and 03/10. (NJWªON)

1380 WSYA 03/01 1600 - Heavy co-channel, caught ID twice: "WSYA" and "WSYA 13-40". (DI/MD)

1440 WWToMp MA Worcester - 03/07 2042 - Bucks vs. Celtics NBA game; ID given as "WEEI Network". (WM-MD)

1490 Wolfp NY Syracuse - 03/02 1756 - Presumed in graveyard mess with typical puerile Radio Disney junk. (MKB-ON)

1520 UNID 03/08 1627 - Callsign was given twice, sounding like WGBL or something very similar (WGL, WJL, etc.). Nothing on 1490 seems to match, but they didn’t say "1490", so it could be / an FM or other AM. I think they said "NewsRadio" after the callsign on one occasion. They did a promo for a "Disney on Ice" show coming up on March 28, but I couldn’t decipher the name of the arena. A search on "Disney on Ice" did didn’t turn up any likely candidates. Any ideas? (BM-ON)

1580 UNID 03/13 1656-1730+ - Good at times mixing with WWBk and WTHE with Asian programing on east wire. WTRP (JF-ON)

1550 WRSLp KY Stanford - 02/19 0210 - In underneath WWBk's open carrier with C&W music and 96.3 FM ID. (LW-NY)

1550 CBep ON Windsor - 03/02 0250-0300 - Media Review (a Radio Australia production) followed by CBC news, no ID at top of hour. Making it over WDKZ CT Bloomfield, Diensdy. (DI/CT)

1600 KIVA NM Albuquerque - My tentative report from 02/08 has been verified NM #2 from this location. (SK-PA)

1600 KWOpn MN Watertown - 02/27 0448 - Canned ID. "It's unforgettable music on Classic 1600" jumped over basketball game (later determined to be unneeded WILY). I always get a new one when WWRL is absent. 1600 435. (SK-PA)

1630 WRDWP GA Augusta - 02/27 1850 - Fair, Augusta vs. Mississippi Southern Conference hockey game in KCJ null. (BC-NH)

1650 WHKTP VA Portsmouth - 02/14 2133 - Mention of February 14th "day in history" on "AHL's Norfolk Admirals Hockey Network". (LW-NY)

1660 WQSNp MI Kalamazoo - 02/27 1835 - One-On-One Sports talk about the NBA in WWIRU null, over an UNID satellite nostalgia station likely WMBM, no sign of WQIT Puerto Rico. (BC-NH)

1080 WTC CT Hartford - 03/05 2325 - Test was bogus; never left the air! (SK-PA)

WRC / WBLF / WWK / Wnk
The Moon, AM 1160. We shine over the Capital Region all day. At 2020 promo for program Sunday morning... "on 1240 AM (which station is 1240? - MS) and 900 AM". This is an automated NOS music system; the only talking is in the canned IDs. Obviously 900 and 1160 give IDs independent of each other, even though it's the same music. At 2044 message said "A clearer signal on AM 1160. It will soon be the permanent home of Moon Radio"." (SK-PA)

1170 WMRH WI Wausau - 03/01 0754 - Steady in WWVA null with local high school sports report; promo for www.wmrham.com web site; QSLed as WLRK in 1990 (MKB-ON)

1190 WOWO IN Fort Wayne - 03/03 2400 - "AM eleven-ninety wowie, WOWO, Fort Wayne"; ABC News. (DL/MD)

1200 WLIB NY New York - 03/03 2103-2130 - Caribbean format covering WOWO most of the time. "Forty-five years your Caribbean Connection, WLIB". (DL/MD)

1200 WOA1 TX San Antonio - 03/03 0300 - In heavy co-channel caught "WOAI" twice but could not confirm any other program components. (DL/MD)

1200 WTLA NY North Syracuse - 03/03 0600 - In co-channel on the hour: "AM twelve-hundred, WTLA North Syracuse and AM sixteen-forty WSGO, Oswego" into news. Has WSGO moved to 1640 or did my ears miss a note? (DL/MD)

1200 WRKK PA Hughesville - 03/03 0700 - Copied the identification in the clear in a pause just moments after WAGE's ID. Copied the "WRKX" callsign as noted in the last AM Radio Log. (DL/MD)

1200 WAGE VA Leesburg - 03/03 0800 - Frequently uses call sign as a word "wage" in broadcast promos etc. Program "Track Side" by the Middlebrough Broadcasting Network. "AM Twelve-Hundred WAGE, Leesburg and Loudon County is your sound choice for news"; into ABC News. (DL/MD)

1210 WPHT PA Philadelphia - 03/03 1200 - Basketball "on the home of the Wild Cats, Talk Radio twelve-ten WPHT". "The Big Talker, Talk Radio WPHT". (DL/MD)

1220 CKSM QC Shawinigan Falls - 03/03 0950 - From out of the co-channel noise: "This is WCMC Wildwood, twelve-thirty AM. Audio on this ID was loud and clear. It could seem that the program audio prior to and after the ID must have been set much lower as there was no apparent predominant program noticeable; otherwise the station may have been testing with just an ID at the top of the hour. (DL/MD)

1220 WCMC NJ Wildwood - 03/04 0200 - From out of the co-channel noise: "This is WCMC Wildwood, twelve-thirty AM". Audio on this ID was loud and clear. It would seem that the program audio prior to and after the ID must have been set much lower as there was no apparent predominant program noticeable; otherwise the station may have been testing with just an ID at the top of the hour. (DL/MD)

1240 WCEM MD Cambridge - 03/04 0930 - Running Sunday morning religious programs. "AM twelve-forty, WCEM Cambridge, Eastern." (DL/MD)

1240 WKVZ NY Schenectady - 03/03 0000 - Left the top-of-the-hour tape timer running on 1240, and this one was the first of a very good night, rising out of the mush just moments after WAGE's ID which started "AM twelve-forty, WCEM Cambridge, Eastern." (DL/MD)

1250 CBGA QC Matane - 03/10 1611 - Fighting WARE and CHWO with CBC French talk program parallel to 540-CBEF and 860-CJRC. (NJW-ON)

1250 WGL IN Fort Wayne - 03/02 0000 - Fair in WEAF null with "Fort Wayne's first talk station, TalkRadio WGL Fort Wayne, WGLL Auburn", into CBS News. Long-sought to clean up all 36 (29 now, alas) of the three-letter W-calls that were around in 1970. Also, IN #70 and Fort Wayne #3, nearly 31 years ago. The second one, WKI-G-1380 (SF-TN)

1260 CKHJ NB Saint John - 02/09 2235 - Country music program, ID as "KHJ". [21" NRC AM Log shows City of License as seen below - MS] (MR-NY)

1260 Fredericton - 03/05 2224-2252 - Pretty good for the most part, with some good peaks (during the songs, of course) with country music, local weather report from the "KHJ Weather Center" at bottom of hour and multiple "KHJ AM and FM" mentions. Started to mix a lot with Disney-premixed WWMK, Cleveland. (MB-NJ)

1270 WLBR PA Lebanon - 02/16 0700 - Very poor; weather forecast "Cloudy skies today, rain tonight; high 44. Reporting for WLBR, I'm AccuWeather meteorologist Jason Gavin". (SC-IN)

1280 WXYT MI Detroit - 03/07 2224-2244 - Loud at times with new Sports Talk format; many "1270, WXYT" and "Detroit's New Sports Leader" IDs along with numerous local ads. Picked this one up on the backyard wire. (MB-NJ)

1290 WUCN OH Marysville - 03/03 1941 - Liner between C&W songs "Your home for high school sports, 1270 WUCO". (SK-PA)

1290 WDBC MD Cumberland - Bruce Williams show heard, ad for funeral home, ID. ABC News. (WM-MD)

1290 CFLZ ON Toronto - 02/16 1357 - Noted for first time with Toronto airport tape loop. Poor, but readable, during quiet moments under WHTK. (JR-NY)

1290 CJBK ON London - 02/20 2304-2326 - Fair in the mess with the "Race Line" call-in motorsports program live from the Canadian International Auto Show and a "Sports Radio 12-90, CJBK" ID at 23:00. (MB-NJ)

1300 WRNI RI Providence - 03/12 1700 - Spot for "Morning Edition", then male: "From Boston University, this is WRNI Providence and 1230-WXRN Werny. WRNI is Rhode Island's NPR news station". (RWK-CT2)

1300 WIOH OH Dayton - 03/08 2139 - "The home of the Flyers", "NewsTalk 1290"; ID. (WM-MD)

1300 WWCH PA Clarion - 02/01 0300 - Poor; a Christopher Glenn CBM promo then ID "Clarion's right news-talk station WWCH, Night-Talk 1300" then CBS News. (SC-IN)

1300 WXRL NY Lancaster - 02/02 1705 - Poor; country music. Female announcer with WXRL call letters then a male with calls and into a country song I couldn't ID. (SC-IN)

1310 WMTN TN Morristown - 02/03 1800 - Poor; Neil Diamond's "Heartlight" then ID "Another great hour of music and memories ?? WMTN Morristown", then news. (SC-IN)

1310 WCLG WV Morgantown - 02/06 1709 - Very poor; Simon and Garfunkel's "Homeward Bound" followed by Drake jingle and ID "More goodtime classic rock WCLG AM". Then into Chiffon's "He's So Fine". (SC-IN)

1310 WJFK MD Baltimore - 03/01 1726 - Poor; mention of the Baltimore Convention Center then "Now back to the Don and Mike Show on Baltimore's Superstation 1300 WJFK". (SC-IN)

1320 WIBA WI Madison - 02/28 0500 - Good signal, fighting WRSB with "...News, weather, sports and great local talk; this is Radio WIBA, Madison." (RWK-CT)

1320 WADB NJ Asbury Park - 02/21 2200 - ID "1310 WADB Asbury Park. We keep you up to date 24 hours a day". Then CBS News. (SK-PA)

1320 WSSJ NJ Camden - 02/24 1559 - Spanish ID "WSSJ Camden-Philadelphia. Maximus...", then lost to Black Gospel station. Whoever is this they never ID on the hour. (SK-PA)

1320 WJAS PA Pittsburgh - 02/14 2000 - Poor; Tony Orlando's "My Sweet Gypsy Rose" then ID "Pittsburgh's original hit station, WJAS Pittsburgh. It's two o'clock". (SC-IN)

1320 WLOH OH Lancaster - 02/14 0658 - Poor, caught part of ID, "?" in the morning on WLOH, then into Cher's "Gypsies, Tramps and Thieves". (SC-IN)

1340 WTIF GA Tifton - 02/27 2000 - C&W song ending; partial ID "1340 WTIIP", then jumped over by "Morgantown". Can't be WV, possible KY? (SK-PA)
This is the first time I have heard any call signs. Most frequent ever.

Vermont, WNBX, Springfield”. (RWK-CT)

Sox spring training camp and interview with former Yankee David Cone. (BM-ON)

Here’s the WKMC forecast. (MKB-ON)

Listen to Radio Disney, the only station with a mouse in the house, AM 15-50,

Hartford”. (R-WK)
The garage where inventor Frank Conrad developed the technologies that launched the broad- casting industry has been on the endangered list. Now the deadline is looming. Anything I can do to help, I want to do. The

“Links between Conrad’s contribution and the early days of AM radio is very clear.”

But the NMB has a way to go before the garage can be saved. Bids for dismantling it have been coming in at about $70,000, according to NMB chairman Rick Harris. And once the garage is taken apart, it will need to be put into storage for an undetermined period. The group is trying to raise the additional funds or find a contractor who will do the job for the money they already have. "Otherwise, it’s going to be lost,” Harris said.

Conrad’s house will be torn down. But the NMB has been able to salvage some details — old mantels, woodwork — which could someday be used to re-create the garage.

If and when the garage is salvaged, the group will be able to focus its efforts on finding the right location and concept for the museum. NMB president Alice Sapienza-Donnelly calls the garage “the Bethlehem of broadcasting. We have approached historical sites, but so far there’s been no room at the inn.”

The group originally tried to buy the property, which is on the border between Wilkinsburg and Pittsburgh, and establish the museum there. “When we got nowhere with that, we had to change focus,” Sapienza-Donnelly says.

The plan now is to use the garage and broadcasting museum as the nucleus of a larger museum concept, and to find a location where it could be one of several attractions. To contact the NMB, call 412-241-4808.

International

DX Digest

Jim Renfrew

6988 Bank Street Rd.

Byron NY 14422-9702

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

Years ago, Stan Lee, the publisher of Marvel Comics would hand out a “no prize” to any vigilant reader of Spiderman who spotted some inconsistency in the plot line or character development. Well, we award a rare “no prize” to Rich D’Angelo for spotting an error in the stumper of a few weeks ago. WDXX is not a made up club name after all and Rich sets us straight!

Always attempting to seize victory from the jaws of defeat, we’ll take inspiration from Rich for this week’s challenge: name that mild-mannered secret identity. As before, see if you can spot the fake super-hero! If I make a mistake, perhaps you will win the next “no prize”!

Spiderman

Batman

Iron Man

The Thing

Green Lantern

The Admiral

Mr. Fantastic

Bizarro Superman

Black Hawk

Superman

Ant Man

Hulk

The Flash

Human Torch

Super Girl

Invisible Girl

Now, all of you DX’ing Super-heroes, on to DX!

TRANS-ATLANTIC DX

153 ALGERIA Chaine 1, Bechar, FEB 17 0002 - man with news in Arabic; strong. [Connelly*K-MA]
153 NORWAY NRK Ingov, MAR 4 0244 - Poor signals with American pop music. [Axelrod/McRaede-MB]
162 FRANCE France-Inter, Allouis, FEB 17 0001 - News in French; fair. [Connelly*K-MA]
171 MOROCCO R. Mediterranee Internationale, Nadar, MAR 9 0700 - Musical note, Arabic talk by man; fair. [Connelly*K-MA]
183 GERMANY Europe No. 1, Felberg, FEB 16 2359 - French talk by man; good. [Connelly*K-MA]
189 ICELAND Rikisvarpdir, Gufskaral, FEB 16 2359 - Piano music; fair. [Connelly*K-MA]
198 FRANCE France-Inter, Allouis, FEB 17 0707 - Ragtime piano jazz; excellent. [Connelly*K-MA]
198 DENMARK BBC R. 4, Driendwich et al., FEB 17 0707 - Excellent with male announcer playing jazz music. [Connelly*K-MA]
207 ITALY RTV, Azul, FEB 16 2358 - Arabic male vocal; very poor signals. [Connelly*K-MA]
216 FRANCE R. Monte Carlo, Roumoulles, FEB 17 0704 - News in French; poor, mixed with second station. [Connelly*K-MA]
224 LUXEMBOURG R. Luxembourg, Junglistler, FEB 17 0004 - Political talk in French; excellent. [Connelly*K-MA]
232 DENMARK (I) Danmarks R., Kalundborg, FEB 17 0723 - Talk, then music that seemed // 1062, poor with QRM from YVB beacon. [Connelly*K-MA]
242 ALGIERA R. Tipaza, FEB 17 0006 - Orchestral music (avant-garde classical); over Italian's dance club music. [Connelly*K-MA]
244 IRELAND Atlantic 252, Clarkestown, FEB 17 0710 - British accented DJ talked about videos and a Web site "madonnaforever.com"; loud, over others. [Connelly*K-MA]
song "Tell You're Resting Here With Me", + FEB 17 0955 - advert 'get a 15% discount'. FEB 17 1005 - dance music: signal still hanging in there at 5.05 a.m. EST! [Connelly*H-MA]

MADEIRA RDP, Porto Santo, FEB 17 0030 - / 666 with Portuguese talk by woman; briefly over Spain and Algeria. [Connelly*H-MA]

SPAIN RNE R. 5 synchros, FEB 17 0031 - man with Spanish teletalk show; fading up over Madeira & Algeria. FEB 17 0223 - news; loud, over others. FEB 17 0712 to 0720 - dominant & loud with Spanish talk, no evidence of Fareso sign-on. [Connelly*H-MA]

SPAIN RNE1, MAR 11 0243 - With jazz music. Parallel to 585 and 774; poor. [Wolffish-ON]

ALGERIA Chaine 1, Les Trembles, FEB 16 2211 - local-like with news in Arabic. The signal was noted as early as 1955 UTC as a h.et. [Connelly*O-MA]

SPAIN RNE R.5 synchros, FEB 17 0225 - / 855 with Spanish teletalk; good, over other. [Connelly*H-MA]

IRELAND RTE R.1, Tullamore, FEB 10 0412 - two women discussing a meeting on Thursday; fair to good. [Connelly*B-MA] FEB 16 2210 - female Irish folk vocal. [Connelly*O-MA] FEB 10 0226 - smashing S9+25 signal with talk about "golden opportunities for development in western Ireland". FEB 17 1005 - hit still present at this very late time. [Connelly*H-MA]

CANARY ISLANDS // SPAIN RNE R.5 synchros, FEB 16 2209 - Spanish talk; poor. Not: RNE-1's at this time. [Connelly*O-MA]

GERMANY (t) Mega R., FEB 17 0026 - / 866 with dance club music; a bit behind the RNE synchros. [Connelly*H-MA]

SPAIN RNE R. 1, Madrid, FEB 16 2208 - man in Spanish; good over presumed Tunisia growl and some slop from VOCM-590 (semi-local WEZE phased). [Connelly*O-MA]

PORTUGAL (t) R. Renascença, FEB 17 0225 - / 866, in messy slop. [Connelly*H-MA]

FRANCE France Bleu, Lyon, FEB 16 2146 - / many others with "Baker Street" by Gerry Rafferty; fair to good. [Connelly*O-MA]

IRELAND RTE 2FM, Athlone, FEB 16 2355 - dance-club music; over Morocco. [Connelly*H-MA]

MOOROCCO RTM, Sebba-Aioun, FEB 17 0015 - / 207 with female Arabic a cappella vocal; good, dominant at this time. FEB 17 0229 - woman in Arabic, then oud music; monster S9+30 signal, this one is always among the strongest TA's on the E. Harwich sloper. [Connelly*H-MA] MAR 2 0015 - Good; man in Arabic parallel 207, it's been awhile since I last received this station. [Conti-NH]

CANARY ISLANDS // SPAIN RNE R.1 synchros, Santa Cruz de Tenerife et al., FEB 16 2206 - / 855 with news by man in Spanish; good. [Connelly*O-MA]

SPAIN RNE R.1, La Coruna, FEB 16 2205 - / 855 with Spanish news and mention of R. Nacional; good. [Connelly*O-MA]

SPAIN RNE R.1, Badajoz et al., FEB 16 2025 - / 855 with Spanish news // 855. [Connelly*O-MA]

SPAIN RNE R.5, Madrid, FEB 16 2204 - woman in Spanish; fair to good. Not // 855 at this time. [Connelly*O-MA]

PORTUGAL RDP Antena 1, Lisboa & Vila Real, FEB 16 2204 - muffled Portuguese talk; slightly over probable Spain. [Connelly*O-MA]

SPAIN SER R. Barcelona, Barcelona, FEB 17 0028 - sounded like monotone rapid-fire SER-style Spanish newstalk; mixing with Portugal and possible Algery or Syria. [Connelly*O-MA]

LIBYA (t) Libyan Jamahiriya BC, Benghazi, FEB 16 2203 - Arabic music surfaced briefly over a co-channel pile-up. [Connelly*O-MA]

NETHERLANDS R. 10, Lopik, FEB 17 0025 - song "I've Never Been to Me" by Charlene: good, alone on channel. [Connelly*H-MA]


UNITED KINGDOM BBC R. 5, Drottwich et al., FEB 16 2202 - woman in English road news that included an item about the collision of the US submarine with the Japanese fishing boat near Hawaii; fair, with hert from Azores-693.7. [Connelly*O-MA]

AZORES Centro Regional da RDP; Torciera, FEB 17 0024 - Portuguese teletalk; weak audio. FEB 17 0224 - slow pop vocal, now stronger than UK/Spain-693.0. [Connelly*H-MA]

MAROCO/RTM, Sebba-Aioun, FEB 17 0022 - Arabic male vo-
Spanish discussion. [Connelly*O-MA] La Coruña or Zaragoza, MAR 6 0041 - Clear with conversation between a man, who had a voice like Poype, and a woman. SER program. [Dangerfield-PA]

882 CANARY ISLANDS // SPAIN COPE synchros, FEB 16 2143 - Spanish talkshow; over UK and a possible Arabic station. [Connelly*O-MA] FEB 16 0036 - news // 837, good. [Connelly'H-MA]

883 UNITED KINGDOM BBC R. Wales, Washford, FEB 10 0036 - English news commentary; to fair peak. [Connelly'B-MA] MAR 3 0450 - Fair, man in English parallel 198, not parallel any SW broadcasts, so must it have been BBC Radio 4. [Conti-NH]

893 ALGERIA Chaine l Algiers, FEB 16 2142 - fast Arabic talk by man; strong, over others. [Connelly'H-MA] FEB 17 0032 - flute music, then man in Arabic; huge signal, better than 890 kHz stations. [Connelly*O-MA] MAR 1 2220 - Huge carrier, very little audio parallel a much louder signal on 153. [Conti-NH]

917 UNITED KINGDOM BBC, Moorside Edge et al., FEB 10 0042 - English talk. poor, in CHRL/WAB1 slop. [Connelly*B-MA] FEB 16 2215 - man & woman in English; fair. [Connelly'O-MA]

918 SPAIN R. Intercontinental, Madrid, FEB 17 0236 - Spanish talk, teletalk; getting by CCH/WHJ//C/KXN tangle on 920. [Connelly'H-MA]

921 unID FEB 16 2139 - Afro-pop music with Cuban influences; initially good, then fading into the slop. This is always a difficult TA channel with adjacent channel 930 packed with CYQJ, CIBC, and WGIN all on bearings similar to those to Europe. [Connelly*O-MA]

925 SPAIN R. R Enarea, Seibal, FEB 16 2135 - Portuguese talk; poor, in tough CHNS slop. [Connelly'O-MA]

927 LYBIA Libyan Jamahiriya BC, Sirta, FEB 16 2216 - Arabic vocal, talk; to good peak over presumed Spain & Germany. [Connelly*O-MA]

928 ALGERIA Radiodif Algerienne, Algiers, FEB 16 2134 - woman in Arabic, then a bit of violin music; huge signal, rather distorted audio; over apparent Portugal. [Connelly*O-MA]

929 PORTUGAL R. Renascenca, FEB 16 2134 - bits of apparent Portuguese fast talk; under huge Algerian signal. [Connelly*O-MA]

930 SPAIN COPE, Madrid, FEB 16 2132 - fast Spanish talk and interspersed music; loud, over possible Italian station and CKBW slop. [Connelly*O-MA]

935 NETHERLANDS NOS R. 5, Flevoland, FEB 16 2130 - Dutch talk by man & woman; over Canaries & Spain stations, slpped by CKBW-1000 & WINS-1010. [Connelly*O-MA]

937 SPAIN RNE R.5 synchros, FEB 17 0237 - // 855 with Spanish conversation; poor. [Connelly'H-MA]

938 SPAIN SER synchros, FEB 16 2128 - // 1044 with teletalk; fair, over rumble. [Connelly*O-MA]

943 unID FEB 16 0128 - pop music; poor. It seemed too weak to be usual Portugal. [Connelly*O-MA]

945 PORTUGAL Lisbon, MAR 9 0255 - Fair, pop songs and a fem singer. [Dangerfield-PA]

946 MOROCCO Sebba-Aouen, FEB 16 2325 - female Arabic vocal with a picked string instrument (almost like a harp or koto); over Spain. [Connelly'H-MA]

947 SPAIN SER synchros, FEB 11 0034 - female Spanish teletalk; fair. [Connelly*B-MA] FEB 16 2127 - man & woman in Spanish; huge, over Morocco. [Connelly*O-MA]

948 MOROCCO Tanger, FEB 16 2126 - man in Arabic; now dominant over UK & Spain. [Connelly*O-MA] FEB 16 2326 - Arabic male vocal; loud. [Connelly'H-MA]

949 UNITED KINGDOM Talk Sport synchros, FEB 16 2125 - // 1089 with sportstalk mentioning Canada; atop Morocco and SER Spain. [Connelly*O-MA]

952 DENMARK Danmarks, K. Kalundborg, FEB 10 0436 - "The Longest Time" by Billy Joel, excellent. [Connelly*B-MA] FEB 16 2218 - US soul / blues vocal. [Connelly'O-MA]

957 SPAIN SER synchros, FEB 16 2142 - // 1044 with man & woman in Spanish; blasting over WTC [Connelly*O-MA]

958 UNITED KINGDOM Talk Sport synchros, FEB 10 0041 - teletalk about "rowdy fans who have their heads up their backseats"; to good peak. [Connelly*B-MA] FEB 16 2123 - talk about a club's performance in playoffs; excellent. Daytimer WILD-1090 was easily phase-nulled with the

loop / whip cardioid array. [Connelly*O-MA]
ish talk by man, slight echo. 450 Hz growl from Angola. [Connelly-O-MA]

1949 24 FRANCE France Bleu synchros. FEB 11 0331 - woman in French; poor. [Connelly-B-MA]

1950 FEB 16 2146 - / many others with "Baker Street" by Gerry Rafferty; fair. [Connelly-O-MA]

1951 BELGIUM R. Netherlands, Wolvertem, FEB 12 23 26 - English talk by man & woman; slightly over possible Middle Eastern station & WNBR slot. [Connelly-O-MA]

1952 1512 SW BELGIUM R. Belgium, Brussels, MAR 5 0219 - with Arabic vocal; local-like, killing WWKB. FEB 13 04 48 - pop Arabic vocal with African-style drumming; blowing past WWKB's David J. Smith ranting show. [Connelly-B-MA]

1953 FEB 16 2100 - Arabic news; huge, much stronger than 1520. Not heard as early as 2000 UTC. [Connelly-O-MA]

1954 FEB 28 2255 - Good; Koranic recitations, man in Arabic with Arabiah Sayadiah mention, anthem, then off, parallel 9555 and 9870. [Conti-NY]

1955 1530 VATICAN CITY R. Vatican City, FEB 13 04 43 - prayers in a Slavic-sounding language, excerpts from the Pope; over WSJ and VOA Sao Tome. [Connelly-O-MA]

1956 FEB 18 0325 - US English talk; poor to fair, over other station and WPTV-1540 slot. [Connelly-B-MA]

1957 FEB 16 2240 - VOA news by woman mentioned Palestine, PLO, Gaza Strip; to good peak. [Connelly-O-MA]

1958 1550 ALGERIA RASD Clandestine, FEB 11 0329 - Query: be Mid-East music and chanting, and I thought Dubai. Checked the SW parallels per EMWG

1959 1560 SPAIN SER synchros, FEB 11 0329 -bits of Spanish talk; barely getting by Ceuta-1583.65 hertz

1960 SPAIN SER synchros, FEB 11 0327 -SW has been booming in but no signal on 1566. And at the same time last week, I had a station on 1566 playing Central Asian type music, so perhaps Iran. But no sign of them since. That night the upper

1961 found 2 Mid-East type stations on 12005, one of which seemed

1962 1575 for a week or two." [Jim]

1963 1188 530 TURKS R.Kebelde, Turkey, FEB 16 2241 - Query: Dick Dangerfield-PA

1964 580 speaks: "My tentative reception of

1965ish talk by man; slight echo, 450 Hz growl from Angola. [Connelly-O-MA]

1966 4th/ 5th of March I had a signal on 1476 between

1967 was hearing United Arab Emirates. Since then, 13675

1968 had a good signal from

1969 had a good signal from

1970 found 2 Mid-East type stations on 12005, one of which seemed

1971 for a week or two." [Jim]

1972 id speaks: "Last week began with some interesting possibilities, which I didn't report then hoping to get something more definite, but in the interim TA reception has gotten back to the so-so stage. A week ago, around the 4th/5th of March I had a signal on 1476 between 0200 and 0300 that seemed to be Middle Eastern music and chanting, and I thought Dubai. I found the SW parallels per EMWG and found 2 Mid-East type stations on 12005, one of which seemed // to 1476, but the SW outlet on 13675 wasn't heard that night. So I couldn't be sure I was hearing United Arab Emirates. Since then, 13675

1973 had a strong signal but on 1476. And at the same time last week, I had a station on 1566 playing Central Asian type music, so perhaps Iran. But no sign of them since. That night the upper

1974 found 2 Mid-East type stations on 12005, one of which seemed

1975 for a week or two." [Jim]

1976 id speaks: "Last week began with some interesting possibilities, which I didn't report then hoping to get something more definite, but in the interim TA reception has gotten back to the so-so stage. A week ago, around the 4th/5th of March I had a signal on 1476 between 0200 and 0300 that seemed to be Middle Eastern music and chanting, and I thought Dubai. I found the SW parallels per EMWG and found 2 Mid-East type stations on 12005, one of which seemed // to 1476, but the SW outlet on 13675 wasn't heard that night. So I couldn't be sure I was hearing United Arab Emirates. Since then, 13675

1977 had a strong signal but on 1476. And at the same time last week, I had a station on 1566 playing Central Asian type music, so perhaps Iran. But no sign of them since. That night the upper

1978 found 2 Mid-East type stations on 12005, one of which seemed
ing into March, transatlantic signals arrived like a lamb, nothing like the lion's roar of signals heard in mid-February. Now Latin American signals appear to be rebounding as transatlantic reception returns to "normal" or at least what has been typical for the peak of sunspot cycle 23. Congratulations to my list of prime targets.

and say, "I have to start concentrating on the overseas possibilities," but of course I never do. Well, that With the equipment you list, you should not have any problem hearing more of these international DX'ing from Billerica, East Harwich, South Orkans MA. Drake R8A, band-pass loop, active whip, slopers: Superphasor-1 phasing unit. [Michael W. Battaglino@newworldlife.com] (The Incredible Hulk) 

international News
DOMINICAN REPUBLIC: Information from Pr. Silvestre Gonzalez Tabar: 1570 10 kW Santo Domingo, 910 5 kW Santiago de los Caballeros, 900 5 kW San Pedro de Macoris, and 1060 San Francisco de Macoris. He did not mention the power for 1060. [Christoph Mayer in Hard-core-DX e-mail] UNITED KINGDOM: By the way has anyone else noticed a slight echo on Talk Sport 1089? [Steve Whitt-UK] Most prominent with loop beamning N-S I've noticed an echo when the advernt beacons are on. Talksport have been broadcasting separate adverts for London from Brookmans Park, but at night they broadcast the same adverts as other transmitters on 1089. The Brookmans Park output always seems to be ahead of the other transmitters, with a variable delay, sometimes up to a second. Possibly when the commercials are started there are two buttons, one for London and one for the rest of the country, so the delay in the echo depends on the speed of the engineers finger? [Paul ??? on Medium Wave Circle (UK) e-mail list] AND NOW THIS CORRECTION FROM "NO PRIZE" WINNER RICH D'ANGELO "Greetings from Wyomissing where it is beginning to look like winter may actually be coming to an end. I enjoyed the "stumpers" that appeared in the International DX Digest column 9 (Volume 68, No. 27) about the WDXC. The WDXC was founded in 1968 by taking over the operations of an amateur club. There is an UK-based club, the World DX Club, using those initials. Let me provide a little background information for the membership."
In early February a series of reports began to show up on various internet mailing lists of unusual interference on 1140. It was hard for many of the initial reporters to find a description of the sound of the interference. One listener put a file of the interference on an internet site (www.sharkk.com/1140). There was speculation that it was a Cuban jammer, as often heard around 1140, or an off-frequency AM station. Initial reports were almost entirely from the western portion of the US and Canada.

The sound was described as some sort of digital data, an idling RTTY transmitter, or, as ARCA member Charlie Taylor described it, "One can hear the FMing of modulation on the "jamming". It sounds like someone unlocked the frequency AMer whose unlocked frequency, one other recurring waveform in its transmission or on its audio. Could be KCMJ off frequency, some other 1140er off frequency on, or someone jumped from 1130 or 1150 (1150 more likely). This is NOT the Cuban WQJAM jammer."

Kevin Redding in Mesa, AZ, felt that it wasn't KSFN-Las Vegas or KCMJ-Palm Springs because the fade times were different at his location and the interference was audible before either of those stations.

Glenn Hauser's "DX Listening Digest" 1-21 (Feb. 16) included the following from Michael Watson (KC6YUW): "Glenn; Thank you for the inquiry you made on my behalf, regarding the 1140 kHz interference. I inquired of the FCC, and just heard back from their Tom Hora. He's received a report from KC6YUW:"

"I got repeated fixes on the pulsing signal. I put it at 10°/285 degrees, true."

"Previously, on Feb. 17, Glenn, I was located in Boyes Hot Springs, Sonoma County, CA. About 40 air miles N. of San Francisco and 60 mi. W. of Sacramento. Have been trying to get RDF fixes for some time. In all cases the null shows the same bearing as KHTK. I tried to extend my baseline about 20 miles out, but on that day the signal was too weak. I doubt the source of the interference is actually on a line with Sacramento, suspect that signal is beating with KHTK carrier, so is most audible when KHTK is too. If I find KHTK off the air at some time, will try again to get a fix on interference."

Patrick Griffith replied: "That is the same thing I noticed with KSOO. It appeared to be coming from the same direction as KSOO which is the dominant station on 1140 here at night. I suspect it is somehow riding the signal from KSOO to me and I may not be getting an accurate bearing."

"I'm currently (9:57 p.m. PST) hearing KSFN there with their "Cruising Oldies" format, clearly separable from KHTK. Nice ugly hit against 1140 with the "blipping" mystery sound as the sig beat together. Patrick Griffith replied "I tried 1136 several times last night (Feb 18—00) early mid, and late evening. I never heard a peak. At just over 60 miles from Vegas I expected to hear something using the Drake R-8 and the Kiwa loop. The noise on 1140 seems to be on frequency or pretty close to it to me. I hear it from about 1138 to 1141 under KSOO at night. Also I just tried during the day again. At 1330 EST nothing on 1136, the noise on 1140 is very weak looping NE/SW as usual, the noise on 820 is very strong looping NW/SE as usual. It's got me stumped."

Meanwhile, here's your chance to log Nevada on a split frequency! "Bob, Got called out on a tower light fight problem tonight, and as I drove across Las Vegas from East central to North central, the strength between the 1140 local and the interfering signals varied independently from what I heard, I feel confident that the station is not transmitting the interference, but rather it is coming in from elsewhere. Due to the strength of the local, I am unable to detect the interference."

And then from Tony Abbott: "I am receiving my mystery signal 35 miles East of LA at 2319 using a Sony 2010 with built-in loop antenna. Signal strength appears to peak at 280 degrees. The signal appears to be independent of two quite weak bc stations. Reception of signal can be enhanced by switching to LSB mode, or by tuning between 1135 to 1145; it seems as if the mystery signal is in between KSFN and 1140! I've made a recording of this, including tuning between 1135 to 1145, that I will convert to Windows Media and make available to anyone interested by e-mail. In the meantime, anyone who would like to hear this "live" via telephone can send me their number by e-mail. Something DAMN STRANGE is going on with KSFN!" And later the same day, again from Harry Helms, "There is no way the 1136 signal is a spur, it's far too strong. Most, if not all, of KSFN's transmitter energy is going out on 1136. There is no trace of KSFN above 1140. In case anyone's interested, I made a tape today at noon PST where I tuned from 1140 to 1130. You get to hear the ID for KQB8, then a hot and pulsing, "KC8N" on 1136, and then an ID for KXLU on 1130. KSFN is the broadest spectrum of any at 1130. KSB in the FMing 1136 plus 90 Hz does not have a spurious or AM on 1136."

By the evening of the 19th, several additional reports were made of the interference, including Paul Swearingen (Topeka, KS), Bob Carter (NC), Bruce Winkelmann (Tuba, OK), and Randy Stover (Springfield, MO). Dave Petre reported: "I have been noting that noise on or near 1140 for a week, as well as..."
The noise is not there in the daytime, either on 820 or 1140. Also the 820 nulls just a bit (maybe 10 degrees) west of north at night.” Patrick Griffith reported “Different conditions tonight on 1140. On an east/west heading I’m hearing KSFN Las Vegas still sounding like they are off frequency with oldies, but I seem to be better (at 1138 kHz). As a north/south heading is the Canadian in Alberta with a big signal and C&W music. No sign of KSOO at all. Last night I had KSOO and no sign of the Canadian or KSFN.” Bruce Winkelman reported that he was able to zero-beat the pulsing signal on 1137 at 6:05 PM Central time.

On February 20, Harry Helms sent in this report: “I just got off the phone with Tracy Teagarden, CE for all theInfinity stations in Las Vegas. Besides KSFN-1140, those include KLUC, KMNB, KMZQ, KXNT, and KXTE. He says the signal on 1136-37 kHz isn’t there but a pirate or other unknown relay of their signal! He says he is able to hear it in the nulls of their nighttime directional array and that it appears to be somewhere west-southwest of the Las Vegas metro area. While he was on the phone, I let him listen to the signal live via my R8/Quantum Loop combo and also played the tape I made yesterday. We agreed that this isn’t your run-of-the-mill pirate; the signal is just too strong. We must be a few kilowatts here and a good ground system to propagate such a strong groundwave signal across the dry, rocky desert between me and Las Vegas. Now this is where it gets a little weird. I asked Tracy if—based on the strength of this signal and the fact this pirate didn’t appear too worried about attracting attention—this “pirate” might actually be some sort of military test or experiment from the facilities scattered throughout the area. He replied that “sometimes in the past they’ve relayed some local stations over at S4.” (S4 is the top-secret Papoose Lake facility located to the south of the famous Area 51.) However, Tracy said that when they’ve complained about prior relays to the FCC, they’ve been told “not to worry about it” if the relay was part of a government project or experiment. He said the FCC didn’t say that time and is treating this as a civilian test.

As explained above, Tracy further said the signal is off around midnight PST last night and also transmits ESK signals and triangle waves. To me, these latest two items seem to indicate this must be some sort of government test instead of a pirate—may the FCC hasn’t been alerted by The Secret Government?? There are all sorts of candidates for the location; between me and Las Vegas are the Nevada Test Site, Fort Irwin, my semi-local China Lake Naval Weapons Center, etc. All would agree with my loop bearings. S4, Area 51, etc., are too far north if my bearings are reliable. A military test would also explain such oddities as Pat Griffith’s reception of CHRB at 1141 PST last night. It was across the dry, rocky desert between me and Las Vegas. Tracy sounded concerned about this.

That evening, Michael Shaw in Palm Harbor, FL, also reported hearing the noise on 1136.

On February 21, and Harry Helms made this report: “The mystery signal, including the of-frequency KSFN-1140 relay, is gone here. I listened to it until a little after 1130 p.m. last night. It was not there when I checked this morning and hasn’t returned throughout the day. All I hear on 1140 now is KQAB with KSFN underneath. I spoke to Tracy Teagarden, CE for KSFN and the rest of the Infinity stations in Las Vegas, a few minutes after he surprised me to learn that the station had vanished (he says they could only hear it in the nulls in the pattern). Tracy sounded relieved to know that the relay has stopped! He said there was a loss of power to the Infinity transmitters in Las Vegas shortly after midnight last night for about five seconds before they returned to the air. Did this have anything to do with the disappearance of the mystery signal? Your guess is as good as mine!” Tracy gave me a bit of a personal DX test in our call. He switched to night power and pattern while I patched the R8’s audio into the phone, and he was impressed to still hear his signal under KQAB because I am in his night null and the kind of reception that Pat Griffith’s reception of CHRB in Las Vegas last night. Tracy said he had heard nothing from the FCC since they made their complaint about the signal.

On February 19, I made a recording of the “KSFN” signal sandwiched between KQAB and KRDJ, a copy of this recording has been sent to Fred Vobbe for the NRCS DX Audio Service. I also posted a message about my receptions to amradioxas.org in which I stated that KSFN was off-frequency. Someone forwarded my message to KSFN, because I received an e-mail from Tracy Teagarden, the CE for KSFN and other Infinity stations in Las Vegas (including KLUC, KMNB, KMZQ, KXNT, and KXTE). He emphatically denied KSFN was off-frequency and said their signal was being relayed without their permission by a “pirate.” After receiving Tracy’s e-mail, I phoned him and we discussed the situation. I patched my R8’s audio into the phone and let Tracy listen to the signal live. I was openly skeptical that it could be a pirate, because the audio seemed strong. I let him hear exactly how loud the 1136 signal was than either station on 1130 and 1140. Tracy and I agreed this “pirate” had to be running a few kilowatts into a very good antenna/ground system

Tracy said the signal was audible in the Las Vegas metro area only when KSFN went to night power and pattern (KSFN is 10000/2500 W and) and then just in the nulls of their pattern. Tracy said that he was not aware of any other station being relayed, but he heard ISK and triangular audio waves on the signal. Most evenings the signal left the air at midnight PST, but sometimes it stayed on all night.
At this point, I took a flyer and asked Tracy if—based on the strength of this signal and the fact that this station didn’t appear worthy of attracting attention to itself—this “pirate” might actually be some sort of military test or experiment from one of the facilities scattered throughout the Mojave Desert. Tracy’s reply floored me; he said “sometimes in the past they’ve relayed some local stations over at 54.” (“54” is the top-secret Papoose Lake facility located between the AEC’s Nevada Test Site and the famous Area 51.) Tracy said that when stations have complained about such relays to the FCC, they were told “not to worry about it.” But Tracy said the FCC told him they were treating this as a civilian “pirating” case.

“I heard the signal all day on February 20, and listened until around 11:30 p.m. PST that night. I loaded fresh batteries into my C. Crane CCR receiver, packed my maps and GPS receiver, filled my car’s gas tank, and set my alarm for 5:00 am the next morning. I was planning to drive east into the Mojave Desert to find a site I would use February 21 to track down the source of the signal.

“But when I awoke on February 21, the signal was gone. I called Tracy Teagarden again that morning, and he expressed surprise and considerable relief to learn the signal was gone. He then said that he and other CEs of stations on 1140—including KHTK, KQAB, and KNWO—had agreed to power down at midnight for a few seconds so accurate DFing of the signal could be made. But when they did so, the signal was gone! Apparently the signal had left the air sometime in the half-hour between my last reception and midnight PST.

“Tracy said the FCC had not contacted him about the “bust” of a pirate or offered any explanation for the absence of the signal. Intrigued, I phoned John Winston, the media liaison for the FCC’s Enforcement Bureau, in Washington. I didn’t reach Winston, but I did leave a phone message describing the case and asked whether a pirate had been shut down in Las Vegas.

“Figuring that someone closer to the action might be able to give me a faster answer, on February 22 I called Charles Craig, director of the western division of the FCC’s Enforcement Bureau, at his office in Pleasanton, CA. He said he was not aware of the 1136/1140 mystery signal, nor was he aware of any recent bust of a pirate in Nevada or southern California.

“I next called Jim Zolich at the FCC’s office in Cerritos, CA. Zolich is the Enforcement Bureau officer in charge for southern California and Nevada. He was simultaneously enlightening and baffling. He was aware of the 1140 signal but had no idea of what it was. He was also aware of the efforts that were made on February 20 by the CEs of the stations suffering QRM to locate the signal, but said the FCC had made no special efforts to locate it. And he said there had been no bust of a pirate station on the mystery signal’s frequency in southern California or Nevada.

“Like many other ‘radio mysteries’, I was nonplussed after my conversation with Zolich. He admitted to being aware of a signal that was being heard throughout the west and which was serious enough to motivate a group of CEs of stations on 1140 to undertake a joint action to locate it. But Zolich seemed almost disinterested by the signal. His reaction was all wrong if the signal was truly some sort of unlicensed ‘pirate’.

“Later on February 22, I received an e-mail from Jay White, CE of KNWQ in Palm Springs, also on 1140. Jay said KNWQ had been suffering interference from the mystery signal for the previous month and had received numerous complaints from listeners unable to hear KNWQ because of it. However, the signal was heard only at night in the Palm Springs area. He said he had tried to track the signal down the previous Monday but couldn’t get a clean bearing because of the KSFN signal that was mixed in. He confirmed the efforts that were to be made by the affected stations to ‘power down’ and attempt to get a bearing. He also made this comment about the signal: ‘I find it interesting that both times the FCC has been notified, the signal disappears.’

“I was away from home all day on February 26 and didn’t return until late that evening. When I did, the following message was waiting on my answering machine: ‘Mr. Helms, this is the Federal Communications Commission in Washington. I am returning your call inquiring about a pirate radio station operation in the Las Vegas area. That station has been shut down. Because our investigation is still continuing, we cannot release any more information about the case. Should you have any further questions, you may contact Mr. John Winston at 202-418-7450.’ (Winston was the Enforcement Bureau media liaison that I originally called on February 21.)

“So what do I think of that message? I think it’s a load of disingenuous crap. Note, for example, the caller didn’t leave his name—at most unusual for a call from a federal agency, and it sounds like the caller didn’t want his name linked to the statement. Moreover, the statement explicitly contradicts the comments made by Jim Zolich. Since Zolich is in charge of Enforcement Bureau operations for Nevada, he would have known when we spoke whether a pirate bust had gone down in Las Vegas the night before. Either the caller who left the message or Zolich lied to me. Judging the truthfulness of someone you’ve never met on the basis of a phone call is not an exact science, but Zolich shook me as far more credibly than my mysterious message-leaver. Zolich wasn’t expecting my call; his remarks, while a bit confusing and illogical, were unvarnished. The message left for me sounded scripted, and the caller didn’t leave his name. I believe Zolich was giving me the straighter scoop than my mystery caller.

“Those of us who have dealt with the FCC for a few years know those people will lie when the query involves a ‘sensitive’ topic, such as the locations of various ‘numbers’ stations transmitters. Even after Warrenton, VA, and Homestead Air Force Base, FL, had conclusively been identified as sites for ‘numbers’ transmissions, the FCC continued to deny any knowledge of such stations and their locations.

“Adding everything together, I feel it is most likely that the mystery signal heard in the west around 1140 kHz was the result of some government/military test from a location in Nevada or southern California. The Mojave is home to several enormous facilities where a high-powered transmitter and antenna system could safely be hidden—the AEC’s Nevada Test Site. Fort Irwin, and my semi-local China Lake Naval Weapons Station are all bigger than Rhode Island—and much of their area is hidden behind mountains.

“Given the strength and bearings of the signal I heard, I feel a location in the eastern half of the China Lake Naval Weapons Station or Fort Irwin is most likely, with the Goldstone Communications Facility (wedged between China Lake and Fort Irwin) another possibility even though it is less secure. Why 1140? Since Cuba has been running a jammer on 1140 for decades, any interference could be blamed on Castro. Apparently the FCC let whoever was transmitting the mystery signal know about the plans by the CEs to locate it, since the signal was taken off the air just before it could be located.

“Will it return? Only time will tell.”

Like many other “radio mysteries”, we may never know the full story behind this signal. Some additional reports of the sound are on the NRC’s web page (www.nrcdxas.org/mystery/), as well as Harry’s summary message. Additional ideas, reports, information, etc. is welcome.
Here we are once again with another edition of Target DX! This column will be another mix of items, some taken from questions and answers appearing recently on the listserv, and others following many years. For instance, most of us have a few stations which, for one reason or another, we really care, it's 1340, where I have 2 or 3 of my ten closest unheard from my current location. Barring a sudden silent period by my local pest, these situations will call for more sophisticated equipment and techniques such as antenna phasing, but that's not a subject for this column.

Target lists are also often populated by stations which have recently (or perhaps even not-so-recently) increased power, or changed antenna pattern or changed frequency or even changed hours of operation in such a way as to perhaps make them more likely of being heard at our location than they had been prior to the change. In a similar way, there may be some stations on the list because some cancellation or error in the time or even an adjacent frequency has gotten them onto the list in some way. Sometimes these stations are only targets for a limited period of time before circumstances return to ‘normal’, while other times they are more or less permanent. In still other cases, changes in a station’s power or antenna patterns may also provide an opportunity for DX’ers to hear them during overnight equipment testing of daytime facilities.

To me, the implementation of a targets list has to be that there is at least a reasonable probability that the station can indeed be heard from one’s location, with the equipment that one has available. If I discover a new station on the air in an adjacent state, but on the same frequency as a local 24-hour pest, I am not going to add it to my list unless I am quite certain that I might be able to null the local to permit a signal from the new station’s direction to be heard. In the same way, I will be quite unlikely to add a station to my targets list if it’s over 300-600 miles away unless it’s o a nearly clear channel here, without significant adjacent interference. This is a more difficult test for those newer to the hobby, because your perception of what’s probable or likely is something which comes out of time spent at the dials, but do your best, and, since it’s likely that you’ll have a large number of possible prospects, be conservative at first.

Another factor that weighs into the concept of probability can be that what is probable in one month or one time of year may not be at some other time. We need to remember that not only to the sunrise and sunset times change on a monthly basis, but that the boundaries of each 15-minute period vary as well. Further, we need to be aware that some stations (on AM, usually smaller stations associated with schools or stations located in resort areas) may operate on different schedules at different times of the year.

Finally, if you go on for a few seasons trying for a station on your list, maybe it really wasn’t probably after all! One cause which we can’t know about most of the time is local horizon blockage at the transmitter, or sometimes even near enough to our own location to impede reception. In other cases, at least with sunrise, sunset or nighttime DX, it may simply be that the skip angle or distance just doesn’t work for the path, even though we might think that it would. I could point to several cases where I finally removed such stations from my target list entirely, because I’ve concluded that I won’t hear them unless they do a test with day power and I happen to be up late to hear it. That’s all part of what makes the hobby interesting!

Q - From which direction do loop antennas receive, along the axis of the loop or perpendicular to the axis? I’ve heard them described as receiving in a “broadside” direction but I’m unclear on what that actually means in real terms. How about ferrite loops? Same orientation as well?

A – Theory states that loops receive in the direction perpendicular to the plane of the windings. This is where the wave hits the coil at two different times. Arriving signals in the plane of the windings hits both sides of the windings at the same time, thus cancelling each other out. This is in practice, however, things can get a bit confusing.

First remember that the conductor in the loop is what matters, even though with a box-type air core loop, we tend to think of the idea of broadside as respects the physical frame rather than as respects the conductor.

A ferrite core loop peaks at broadside of the ferrite core. A portable radio with an internal ferrite bar antenna behaves similarly. A spiral-wound air core loop where the wire is wound in a spiral creating a flat surface, peaks broadside because the windings and frame are uniformly in the same plane. A box-type air-core loop nulls when the loop frame is broadside to the station. But, before you start to think that this is inconsistent, recall that the wire on a box air core loop is arrayed in such a way that the windings are around the outside of the frame, and thus are wound in a perpendicular manner with respect to the frame. Consider that this is really the broadside of the windings and the apparent inconsistency disappears.

DX Website List Updates.
AM/FM Station list for Panama (in Spanish) : http://www.enterregulator.gob.pa/RadioTV/
SectionActiva/farp/r/default.asp

Barry McLarnon’s UnID Lookup Page ( correction) : http://hydra.carleton.ca/ambc/amuto.html (note no ‘www’ – RJE)

Editor’s thanks to Barry McLarnon and Phil Bytheway for their contributions to this column. More next time! Stay tuned! And remember to send any DX questions you may have to me either via regular mail or email at the addresses above:

Are you expiring?

We hope not! To avoid expiration, mail your remittance to the DX News Membership Center early. Allow at least three weeks after mailing your check or money order for new renewal data to appear on your mailing label.

A DX’er’s Technical Guide

Now in its 3rd edition (published early 1998), this 195-page book answers questions on receiver and antenna theory (how to improve their performance), how audio filters and loop antennas can improve DX (and hints on their construction), how to build a Beverage and phasing unit, and much more. Only $10.00 for IRCA/NRC members, $12.00 for non-members (overseas airmail add $2.50). Order your copy today, in US funds payable to Phil Bytheway, from IRCA Bookstore - 9705 Mary Ave. NW - Seattle, WA 98117-2334


The IRCA MEXICAN LOG list all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, Formats, networks and notes, index, stations that have changed frequency since 1996 are cross-referenced on the old frequency. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call, and day/night power. The log has been completely updated from the 1998 edition and carefully cross checked by IRCA members. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8.5"x11" and three-hole punched for easy binding.

Prices: IRCA/NRC members - $8.00 (US/Canada/Mexico/sea mail), $9.00 (rest of the Americas airmail), $9.50 (Europe/Asia airmail), $10.00 (Australia/New Zealand airmail). Non-members: add $2.00 to the above prices. Order your copy today. In US funds payable to Phil Bytheway, from IRCA Bookstore - 9705 Mary Ave. NW - Seattle, WA 98117-2334.
My "much-beloved" Audio Switching Network

by John Bryant

In a recent e-mail to my Northwest DXing buddies, I mentioned that I was building a new rack box to go under my new receiver and that I was putting in not one but TWO complete sets of "my much-beloved" audio switching network. Guy Atkins immediately shot back a query asking just which circuit I was putting in...not one but TWO complete sets of "my marvelous find" as I should have done. It is classified as a "find" because Don Phillips published the original circuit in DSWC Shortwave News in 1998. My circuit is a slight modification of Don's design. What this simple circuit does is to take two audio inputs and put either listening performance of two receivers. Wearing stereo headphones hooked to this network, you can switch instantly back and forth between two different radios, with the flip of the Priority Switch. Or, if you throw the Mono/Binaural Switch to Binaural, you have one receiver in each ear. In the Binaural Mode, throwing the Priority Switch swaps the inputs to opposite sides of the head. I'm not sure what this latter capability could be used for, but it is kind of neat. Generally, I drive the network from the External Speaker port of each receiver. I have never found any way to do a listening comparison between two receivers that is so effective as this. If running receiver comparisons were the only use for the circuit, it would still be worth having. It didn't take me long, of course, to find a second major use for the circuit. "Checking Parallels." In both SWBC DXing and International MW DXing, it is often possible to at least tentatively identify a station by simultaneously receiving a stronger signal from the same network being broadcast on another known station or frequency. (The two stations are "broadcasting in parallel.") The usual technique for "checking parallels" is either by using two of the memory channels in the receiver and switching back and forth quickly or by using two radios and manipulating the volume controls appropriately. Either technique works well when both signals are relatively strong, but when the target signal is really "down in the mud" there is NOTHING like using this network to put one signal in each ear, simultaneously. There were several times when, with the old techniques, I would have sworn that two Indonesian stations were broadcasting national news from Jakarta in parallel only to find out, in "stereo" in the Binaural mode, that I was hearing the same female announcer but actually hearing her work in two different situations. The delay itself is not very important, but not discovering it over several years of using the "old techniques" of parallel checking indicates how poor they really are.

I discovered a third use for "my beloved" the first time that I took a miniaturized version of it one of my compatriots. I just plug the network into my receiver (Receiver A) and my compatriots' radio

becomes Receiver B. I can hook to some radios directly to our compatriots' Speaker Out port. Others require us to use a "Y" connection at the headphone jack. Hooked up that way, when Dave Clark shouts "Holy 972!!!" at 3 AM, I can be listening to his radio with one or both ears instantly while everyone else has to decide whether to abandon what they have been listening to themselves. On DXpeditions, this network is also useful to compare each other's receivers while in pedal-to-the-metal DXing situations.

A fourth use for this circuit is the one that has me buying more switches this month. Many of us have begun to use MiniDisc recorders rather than cassette tapes. Invariably, these wonderful recorders are "stereo machines." DXing using two receivers, each feeding one channel of the stereo deck sounds just wonderful, frankly. This is an especially attractive idea since the Fast Forward mode of MiniDisc technology uses a sampling rate that keeps the audio relatively understandable while speeding through the track, so you can whiz through the track later and not miss the ID. Its probability taken you much less time than it took me to realize that this networking circuit is perfect as an interface between the deck and a set of stereo phones, allowing you to listen to either channel A or Channel B or both, at the flick of a switch.

In Use With Long-Playing MiniDisc Technology

Sony has recently introduced decks that will record at standard 74/147 min. stereo/mono length, and at two new stereo-only LP lengths of 160 and 320 minutes. The two new lengths are known as LP2 and LP4. I use one of these decks, the MDS-12, to test the whole operation. The largest concern, of course, was obtaining pristine channel separation. Notes on the MiniDisc Community web page indicate that a different algorithm is used to record at each of the three speeds. The LP4 encoding strategy takes advantage of the fact that, in music, about 90 percent of the same information exists on each channel. That is the only way, apparently, to achieve the radical compression necessary to jam 5 hours of music onto a MiniDisc. I was concerned that this approach would preclude the recording of totally separate tracks in LP4 mode. I was right. At fairly low levels of different audio on each channel, there did seem to be full separation. However, when I did the ultimate test - Buddy Holly's "Rave On" at full blast on Channel A and WWV on Channel B - there was some crosstalk bleeding both ways. When listening to just one of the channels, it sounded like low-level sideband splatter on AM was also coming in from the other track. The problem was not very pronounced and, if put in a desperate situation, I might try to use the 5 hours of LP4 with two receivers, but feeding the channels with only mid-level audio.

Running the same test Buddy Holly Test at the LP2 recording speed produced excellent results. Even Buddy's highest kicks stayed right where they belonged, on Channel A! The same was true at the conventional stereo speed of 74 minutes per MiniDisc. So, with these newer decks, you can record over 5 hours with one receiver in LP4 mode or record two receivers for almost 3 hours in LP2 and this switching circuit works like a charm to listen to the result.

I ran the Buddy Holly test using an early generation Sony MiniDisc Recorder and found the same pristine separation of the two stereo channels: seventy-four minutes of excellent recording of two radios simultaneously. Using this circuit to monitor the recording as it happens and to review it later also works like a charm.

"Switch Box B&W Photo" goes here

Final Remarks

Don Phillips original DSWC1 article stressed using high-quality, new switches since most users of this circuit quickly become addicted to switch flipping. I agree wholeheartedly. The best quality full-sized switches in a sturdy mount should still hold the parts costs at around $20.00 and will last you for many years.

The Sony MDS-12 is a professional deck - http://www ministudio.com/minispecs/sonymdse12.html
The MiniDisc Community FAC on MDLP - http://www.minidisc.org/mdlpfaq.html

I'd like to thank Don Nelson and Guy Atkins for their usual excellent behind the scenes advice that refined this article considerably.
Domestic DX Achievements
2840 SE Illinois Avenue
Topeka, KS 66605-1427

Domestic DX totals listed periodically in different categories

Name and location

19 last 29, 2001
TDH, TDT, TDV
ST;
PV
DH;

District of Columbia heard, taped, and/or verified Total Domestic Heard, Taped, Verified
States Heard, Taped, Verified Provinces Heard, Taped, Verified

Thanks for updates from Rick Dau, Shawn Axelrod, Ron Bailey, and Marc Delorenzo. We hope to see YOUR name and updated lists the next time around. Please.

The above is a sampling of the Domestic Total and Domestic Verified as the tiebreaker, and we'll run various priorities at different times. Domestics of course include the contiguous 48 states and Canada, Alaska, Hawaii, Puerto Rico, etc., are counted as foreigns. We'll only delete listings of those who are no longer NRC members, so should you drop out and rejoin, you'll need to resubmit your lists. How about making it a priority for next time of filling in the blanks above, at least in the year started and last update column? Some of the listings are estimates, and that's just fine, but don't forget to update accurately when you can. See you next time? -73

Professional Sports Networks
Barry S. Finkel
bfs@WREN@AOL.com

13014 S. Oakley
Chicago, IL 60643-2409

Network listings for team sports stations

I am not sure whether to consider the new XFL professional sports or professional entertainment. In either case, I am not sure that any team has a radio network. The only stations I know follow:

Chicago Enforcers
1000 WMVP-AM
Bill Simonson, Otto Wilson
San Francisco Demons
680 KNBR-AM
The KNBR web site did not mention any radio network.

Please send me any XFL information that you have (assuming that the league does not fold before then).

I have a preliminary list of Major League Baseball flagship stations, but I am holding it for a few weeks until I know more announcer names. I did a quick network search on the web, and I found that there are no independent MLB team web sites this year. All are found at

http://steal.mlb.com

So, all the web sites have the same content, without network lists. I sent e-mail to the one e-mail address I found on the mlb.com web site. I have yet to get a reply. Maybe if other NRC members write to that address (bbowman@website.mlb.com), the powers that be might consider placing the network lists on the web, I guess that any network lists will have to come from flagship station web sites. Please send me any announcer names and/or flagship lists that you have. Thanks.

Steve Chase, George-Akron, OH
60 11/84 0 0 0 0 119 29 3 743 45 7
Greenberg, Warren-vc Boston, MA
72 11/79 0 0 0 0 99 26 6 128 27 6
Kurth, Joe-Southern Pines, NC
65 6/71 0 0 0 0 92 26 2 878 58 7
Lanman, R. J-Syracuse, NY
64 9/90 0 0 0 0 75 31 5 553 49 9
Mallch, Greg-Alanta, GA
59 10/78 0 0 0 0 59 49 10 59 49 10
Bezila, Steve-vent-Pa
24 10/78 0 0 0 0 50 44 1 3000 48 10
Henderson, Travis-RC
77 10/76 0 0 0 0 55 37 5 528 36 5
Hanson, Greg-Alanta, GA
64 11/80 0 0 0 0 42 19 5 900 36 10
Houcke, Gary-KS
75 1/83 0 0 0 0 31 21 2 294 34 3
Wood, Jack-NJ
77 6/81 0 0 0 0 35 25 2 194 26 10
Oxnaud, Ken-Menomonie, WI
65 11/92 0 0 0 0 15 15 0 972 43 6
Bales, Ron-Schenly, NY
92 1/01 0 0 0 0 4 4 0 756 47 3
Hart, Steve-ne WI
54 11/75 0 0 0 0 0 0 0 0 0 0
Baker, Dave-se MA
65 1/86 0 0 0 0 0 0 0 0 0 0
Lindley, W. -s MA
88 1/83 0 0 0 0 0 0 0 0 0 0
Sampson, John-Hutchinson, KS
76 10/76 0 0 0 0 0 0 0 0 0 0
Sampson, John-Omaha, NE
75 9/79 0 0 0 0 0 0 0 0 0 0
Taylor, Mike-Des Moines, IA
37 11/79 0 0 0 0 0 0 0 0 0 0
Ward, Will-Scottsdale, AZ
49 11/75 0 0 0 0 0 0 0 0 0 0
Winker, Mark-Greensboro, NC
39 11/74 0 0 0 0 0 0 0 0 0 0
Winkelman, Bruce-Tulsa, OK
79 1/92 0 0 0 0 0 0 0 0 0 0

District of Columbia heard, taped, and/or verified Total Domestic Heard, Taped, Verified
States Heard, Taped, Verified Provinces Heard, Taped, Verified

Please send me any XFL information that you have (assuming that the league does not fold before then).

I have a preliminary list of Major League Baseball flagship stations, but I am holding it for a few weeks until I know more announcer names. I did a quick network search on the web, and I found that there are no independent MLB team web sites this year. All are found at

http://steal.mlb.com

So, all the web sites have the same content, without network lists. I sent e-mail to the one e-mail address I found on the mlb.com web site. I have yet to get a reply. Maybe if other NRC members write to that address (bbowman@website.mlb.com), the powers that be might consider placing the network lists on the web, I guess that any network lists will have to come from flagship station web sites. Please send me any announcer names and/or flagship lists that you have. Thanks.
The station fired him in 1982 but brought Mack back in 1986. “First night back on the air,” said former WBAP operations manager Tyler Cox, recalling Mack’s return. “He took the microphone and told listeners, ‘As I was saying before I went on vacation.’”

WBAP operations manager Bob Shomper said Mack’s show is still a strong ratings performer that generates good ad revenues. With what’s arguably the strongest nighttime signal in America, listeners to 38 states and ABC Radio Networks satellite feeds to other stations, he touches listeners across the country.

“I would say he’s easily got a coast-to-coast audience,” Shomper said. “He’s a superstar.”

Though he’s signing off WBAP, Mack said his health is great. He’s working outside, taking in the fresh air, and looking forward to the biography launch. It’s due in bookstores in September or October.

“The thing that’s made it all worthwhile is I’ve been able to do what I damn well wanted to do,” Mack said. “The thing is, it’s been fun.”

<table>
<thead>
<tr>
<th>TSN Affiliates (via Bill Hate)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AM</strong></td>
</tr>
<tr>
<td>Midland KLJS 1520</td>
</tr>
<tr>
<td>Austin KLJJ 1550</td>
</tr>
<tr>
<td>El Paso KIROD 1570</td>
</tr>
<tr>
<td>Tyles KTEB 1580</td>
</tr>
<tr>
<td>Louness KJRT 1590</td>
</tr>
<tr>
<td>Amarillo KGNC 1400</td>
</tr>
<tr>
<td>Edinburg KURV 1440</td>
</tr>
<tr>
<td>Texarkana KCMC 1440</td>
</tr>
<tr>
<td>Hereford KPAN 1400</td>
</tr>
<tr>
<td>Stockton KFST 1400</td>
</tr>
<tr>
<td>Klamath KCLW 1400</td>
</tr>
<tr>
<td>Fredericksburg KNAF 1400</td>
</tr>
<tr>
<td>Center KDIT 1410</td>
</tr>
<tr>
<td>Houston KFRC 1410</td>
</tr>
<tr>
<td>Mt Pleasant KMIP 1420</td>
</tr>
<tr>
<td>KOLD 1450</td>
</tr>
<tr>
<td>Coleman KSTA 1450</td>
</tr>
<tr>
<td>Dallas KRUL 1450</td>
</tr>
<tr>
<td>Plainview KKYN 1470</td>
</tr>
<tr>
<td>Mineral Wells KSJA 1470</td>
</tr>
<tr>
<td>Cleburne KCLE 1480</td>
</tr>
<tr>
<td>San Antonio KWOA 1490</td>
</tr>
<tr>
<td>Madisonville KMVL 1520</td>
</tr>
<tr>
<td>Weatherford KZEE 1490</td>
</tr>
<tr>
<td>Corpus Christi KSIX 1540</td>
</tr>
<tr>
<td>Kerrville KKVW 1510</td>
</tr>
<tr>
<td>Sulphur Springs KSST 1510</td>
</tr>
<tr>
<td>Alpine KVLF 1520</td>
</tr>
<tr>
<td>Bryan KTM 1540</td>
</tr>
<tr>
<td>Dalhart KXXT 1550</td>
</tr>
<tr>
<td>Hemphill KPRL 1560</td>
</tr>
<tr>
<td>Sweetwater KXXO 1560</td>
</tr>
<tr>
<td>Seminole KIZE 1560</td>
</tr>
<tr>
<td>Tulia KTUE 1570</td>
</tr>
<tr>
<td>San Angelo KSA 1580</td>
</tr>
<tr>
<td>Crockett KIVY 1590</td>
</tr>
<tr>
<td>Wichita Falls KXOU 1590</td>
</tr>
<tr>
<td>Brownfield KJUB 1590</td>
</tr>
<tr>
<td>Colorado City KVMC 1590</td>
</tr>
<tr>
<td>Graham KSWA 1600</td>
</tr>
<tr>
<td>Monahans KIJO 1600</td>
</tr>
<tr>
<td>Cotulla KAMN 1640</td>
</tr>
<tr>
<td>Lubbock KKKM 1650</td>
</tr>
<tr>
<td>Lutkin KIRB 108.5 MUSKEGNE KEMJ-FM</td>
</tr>
<tr>
<td>Victoria KAMG 92.1 GLEN ROSE KTW-FM</td>
</tr>
</tbody>
</table>
With a young family and demanding job, I don’t have nearly enough time for live DXing. To enjoy more DX, to make my commute more interesting, and to ensure that every radio I have is gainfully employed, I make recordings of target frequencies and listen later. Now, I’m not big on QSLs except for very special receptions - I use tapes as my record.

Now taping 45-90 minutes of rich DX and hour-long “ID-free” shows. Some years ago, I bought a pair of Micronta timers from Radio Shack that featured digital programming of 7 on/off pairs each. I chained them together for 13 on/off pairs. I then programmed them to record two minutes across the top of every hour through the night. I would then listen the next day to see if we had tapes more interesting, and to ensure that every radio I have of programming, and hour-long “ID-free” shows. Some years ago, I bought a pair of Micronta timers from Radio Shack that featured digital programming of 7 on/off pairs each. I chained them together for 13 on/off pairs. I then programmed them to record two minutes across the top of every hour through the night. I would then listen the next day to see if we had tapes

Now taping 45-90 minutes of rich DX and hour-long “ID-free” shows. Some years ago, I bought a pair of Micronta timers from Radio Shack that featured digital programming of 7 on/off pairs each. I chained them together for 13 on/off pairs. I then programmed them to record two minutes across the top of every hour through the night. I would then listen the next day to see if we had tapes

Now taping 45-90 minutes of rich DX and hour-long “ID-free” shows. Some years ago, I bought a pair of Micronta timers from Radio Shack that featured digital programming of 7 on/off pairs each. I chained them together for 13 on/off pairs. I then programmed them to record two minutes across the top of every hour through the night. I would then listen the next day to see if we had tapes.

Overseas: add $0.50. Order our copy today, in US funds payable to Phil Bytheway, from IRCA Bookstore.

Robert McCoy • 4618 Cooper Ave., #6 • Lincoln, NE 68506 • 908-593-2838

Greetings, everyone. I looked at my calendar, saw it was a new millennium, and decided to send a Musings. I suppose I'll honor the tradition of a re-intro: I'm rapidly approaching the magic 55, an NRC member since 1973 (or whatever year the Windsor Locks Convention was held), single since 1978. I was a cohost at the 1977 Lincoln Convention and helped Ernie V. with the 1992 Omaha one (still have one or two KNRC QSL cards). I've been able to make a few other conventions, mostly a long time ago. I earn my "living" as a security officer; for the last 6 years with a large national firm that likes to change names every so often. I had been at the Nebraska National Guard HQ Complex, which gave me time to do some DX with the Superadio I had in the office, and a RS AM loop (which I think is quite decent). At the end of September, that changed, and I wound up back to working until 4 or 6 in the morning. I thought I might try to find some DX on the RX loop of my old DX S9 receiver. I'd probably be working S5 as I get home, but bed is usually a stronger influence. I've been a Ham since 1992, and upgraded to General last year. I bought a RS HTX10 mobile 10m rig and a RS CB antenna, returned the antenna and installed everything in my car. I have been having a great time on 10m USB, mobile with only 25 watts. I have worked all but two states and 85 countries so far. The basic DX bug is there in everything I do some DX with the Superadio I we had in the office, and a RS AM loop (which I think is quite decent). At the end of September, that changed, and I wound up back to working until 4 or 6 in the morning. I thought I might try to find some DX on the RX loop of my old DX S9 receiver. I'd probably be working S5 as I get home, but bed is usually a stronger influence. I've been a Ham since 1992, and upgraded to General last year. I bought a RS HTX10 mobile 10m rig and a RS CB antenna, returned the antenna and installed everything in my car. I have been having a great time on 10m USB, mobile with only 25 watts. I have worked all but two states and 85 countries so far. The basic DX bug is there in everything I do some DX with the Superadio I we had in the office, and a RS AM loop (which I think is quite decent). At the end of September, that changed, and I wound up back to working until 4 or 6 in the morning. I thought I might try to find some DX on the RX loop of my old DX S9 receiver. I'd probably be working S5 as I get home, but bed is usually a stronger influence. I've been a Ham since 1992, and upgraded to General last year. I bought a RS HTX10 mobile 10m rig and a RS CB antenna, returned the antenna and installed everything in my car. I have been having a great time on 10m USB, mobile with only 25 watts. I have worked all but two states and 85 countries so far. The basic DX bug is there in everything.