John Malicky, who was a good sport about the eat Friday night?) crew who put on a most enjoyable event.

Street Road radio magazine, thanks to the efforts of our editor all of the above (including postage)!

would has info.html.

so how many Kewpie's hamburgers did you REALLY,24,12,24 club history full of DX tips, strategies, technical articles, and contributors. Highlighting this issue is coverage of the 2000 NRC Convention in Lima by John Malicky, who was a good "sport" about the whole thing. And thanks again to Fred Vobbe and crew who put on a most enjoyable event. (John, how many Kewpee's hamburgers did you REALLY eat Friday night?)

In case you hadn't noticed, we're weekly again, so send in your DX catches and your IDXD Musings of the Members.

Possible X-band test ... From IRCA's Patrick Martin, who hears the WC DX that the rest of us dream about: "Per a phone call from Gary Jackson in Sacramento CA, the CP for Burbank on 1500 kHz will be testing not on 1500, but on the X-Band freq. of 1690 in late October or early November 2000. He spoke to Ed Stokes at Quad-104 who is putting the tests on. The station will be testing with 1KW ND, but only daytime. He did not mention the hours, but maybe the signal will skip at LSR or LSS if the tests are going on as there isn't much on the channel in the West, except a TIS or two. The TIS in Culver City on 1690 will only be operating nights during the KRCD tests.

DX Time Machine

From the pages of DX News:

50 years ago ... from the October 21, 1950 DXN: Member Pat Reiley, Jamestown, NY, opined that "These TT's on for hours makes me lose my temper and my religion." He reported a station on 1400 kc at 0400-0430 on October 14 replaying the same record without announcing, and that 1150 kc had a TT 'er all morning for two days without announcing.

25 years ago ... from the October 27, 1975 DXN: Charles Clayton, Adelphia, NJ reported an eclectic list of European stations in IDXD, including R Mi Amigo on 1187 (date not listed) from 0550-0600 at 0120/99 ... Gene Allen, Vallejo, CA, again led the list of DX'ers in Foreign DX/Achievements with 60 stations from Oceania, the best being 2RD-1410 Australia at 500 watts.

10 years ago ... from the October 22, 1990 DXN: Catches in September reported by Don Trefil, Scarborough, ON, included KKR-1110 with Talknet, WJJD-1160 with Great songs, great memories, 1160 WJJD; and WACK-1420 Newark with a Yankees pregame show.
Although we hadn’t planned to have a column ready for this issue due to our previously mentioned NASCAR commitments, our schedule ended up giving us time to write one anyway. So, surprise, here’s AM Switch for Issue #3.

**CALL LETTER CHANGES**

- **Old call** | **New call**
  - 1110 KTLD LA Pineville | KTTP
  - 1450 WKZQ SC Myrtle Beach | WJYR
  - 1470 WPNC NC Plymouth | WPI
  - 1590 WHYT MI Marine City | WHLX

**APPLICATIONS / GRANTS FOR NEW STATIONS**

No applications

**APPLICATIONS FROM EXISTING FACILITIES**

- 780 WPNP FL Mulberry: 500/370 U4
- 880 WTZI NC Fairview: 5000 D1
- 990 WHOO FL Orlando: 50000/14000 U4
- 1030 KLLL OR Reedsport: 50000/630 U1
- 1040 KGGR TX Dallas: 5000 D1
- 1220 KOMC MO Branson: 470/44 U1
- 1290 WCFI FL Ocala: 10000/10000 U4 (application denied then removed)
- 1300 WTZN PA Troy: 1000/72 U1
- 1320 WBRT KY Bardstown: 1000/44 U1
- 1400 KXGF MT Great Falls: 680/480 U1

**GRANTS TO EXISTING FACILITIES**

- 630 WMFD NC Wilmington: relocate transmitter
- 690 KRCD OR Prineville: 1000/77 U1
- 1150 KXTA CA Los Angeles: 50000/44000 U4
- 1150 KQQQ WA Pullman: 25000/210 U2
- 1190 KVCM CO Boulder: 680/110 U1
- 1220 KFPW AR Fort Smith: relocate transmitter
- 1220 WAKI TN McMinnville: 620/1000 U1
- 1320 WUNO PR San Juan: 5000/2300 U1
- 1340 WLSG NC Wilmington: relocate transmitter
- 1350 KDIO MN Ortonville: 670/38 U1
- 1400 KAOK IA Lake Charles: relocate transmitter
- 1450 KHTT NV Reno: relocate transmitter
- 1460 WRKB NC Kannapolis: 200/194 U1
- 1470 WSRO MA Marlborough: 7000/5000 U4
- 1510 KVCJ TX Canton: 2500 (CH 415) D6
- 1520 WTRI MD Brunswick: 17000 (CH 1400) D6

**OTHERNESS**

- 540 WDAK GA Columbus: CP to relocate transmitter is ON
- 550 WMWV PA Bloomsburg: license CANCELLED, call DELETED per licensee’s request
- 580 WLES VA Lawrenceville: station is SILENT
- 670 KIRR CA Simi Valley: CP to change to U3 is ON
- 680 KLOY WA Lacey: station is SILENT
- 940 KXXI TX Wichita Falls: station is SILENT
- 1040 KCBR CO CP for 15000 (CH 2000) D1 is ON (correct U1 shown in Issue #1)

**GRANTS TO EXISTING FACILITIES**

- 780 WPNP FL Mulberry: 500/370 U4
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- 1400 KXGF MT Great Falls: 680/480 U1

If you are a user of the FCC’s AMQ (AM Query) page on the Internet, you may have noticed that they had not updated the page since May and had posted a notice to that effect, claiming that the computer system was being revamped. Well, finally at the end of September, the AMQ came back on line and the system was said to be “new and improved.”

So what brand was the offender? Or, the new system, as it produces some really amusing results. Just don’t expect to get the information you seek. We wonder how long will it take to fix this. It seems that it took nearly 5 months to screw it up. Your tax dollars at work.

**THANKS:** Bill Hale, Al Merrimen, Wayne Heinen, Shawn Axelrod, Ed Krejny and MSJ 73 and Good DX, Jerry Starr & Buffalo K. Torman

**Musings of the Members**

**Dave Schmidt**

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

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*John D. Bowker - 1811 Ft. Duquesna Dr - Sun City Center, FL 33573 (w2wen@comcast.com)*

Dave, I was reminded of the true story about the Singing Hills of Colorado that I don’t think I’ve told in DX News. Back, maybe in 1980, I was responsible for RCA and NBC licensing of all transmitters so I had an office in Washington and New York. The FCC was very good about remembering only to call me on Wednesdays since that’s when I was literally across the street and could fix things that might be haywire on one of our licenses. Thursday: A fax from the FCC Mass Media Bureau Chief. “Please be at a meeting here at 8:30 AM tomorrow.” That’s not good news, I say to me. There was no explanation. I called our chief attorney at Rockefeller Center... he knew of no problems. WRC (ah yes, remember when 980 had a 5,000 Watt NBC affiliate in Washington?) and they had no inkling of the problem. So I went. Seated there was the FCC Bureau Chief, and a couple of representatives of electronics companies, and two uniformed airline personnel. The problem? “Everytime we fly into Stapleton Airport in Denver from the northwest vector, we are unable to copy the tower for up to 30 seconds just before we land! All we hear is static and roll music!” It’s because your FM stations are running 100,000 Watts and Stapleton is running 25 Watts just a little up the dial! A quick check showed that, indeed, several Denver area FM transmitters were grouped right where they were having the trouble. What to do. Move the airport? (laughable that morning). Turn off the radio stations? (are you kidding??) We went aboard with the new and improved system. As you might have guessed, the words “now and improved” when applied to anything at the FCC generally mean “worse than before” and this is no exception. At last, we fly into Stapleton and never had that trouble. “Oh! What brand of equipment are you using?” He named the brand. The phone call to the airport confirmed that all airlines using his brand of equipment had no problem at all. So what brand was the worst for lack of selectivity? I shouldn’t tell you, but as soon as I could get to a phone, I called our attorney in New York and told him that NOW there was, simply, the best there is because RCA found a way to retrofit land! All we hear is static and roll music! We wonder how long it will take to fix this. It seems that it took nearly 5 months to screw it up. Your tax dollars at work.

**Dave Schmidt**

**P. O. Box 3111**

**Scranton, PA 18505-0111**

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*Bill Hale, Al Merrimen, Wayne Heinen, Shawn Axelrod, Ed Krejny and MSJ 73 and Good DX, Jerry Starr & Buffalo K. Torman*
Domestic DX Digest

West: Bill Hale phantom2@cane.net
6124 Roaring Springs Drive - North Richland Hills, TX 76180-5552

East: Michael Shaw (Temporary editor: Paul Swearingen)
2840 SE Illinois Ave. - Topeka, KS 66605-1427, plsCBDXER@aol.com

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

DDXD-West

MEDIUM WAVE RAMBLINGS

✦ Peakbagger3 says: “The season’s off to a good start with 4 new ones and 9 call changes since 1 September. Still trying for WSCR-670 - very difficult with local KLIT on same frequency.”

✦ After many moons we finally have some Graveyard DX updates! So keep those dials tuned to those maligned frequencies and grab a few new records of yours! Check out all of the Graveyard DX records on-line, at: www.angelfire.com/t2/phamтом2/index.html

REPORTERS

CB-AK1 Craig Barnes on vacation in Alaska: NE corner of the Chugach State Park, approximatly 20 miles NE of Anchorage Delco AM/FM radio in the rental car and a Sony 2010 supplemented by a MFI 1020 active antenna <bevdxer@yahoo.com>

CB-AK2 Craig Barnes On Hwy 1 east of Palmer same equipment

CB-AK3 Craig Barnes On Valdez Waterfront same equipment

PC-CO Patrick Griffith Westminster Dr. R-8 & Palomar loop <AM-DXer@webtvet.net>

MH-CA Michael Hawk Saratoga Icom R-70 - Kiwa Loop <hawk@globalcenter.net>

MH-CA1 Michael Hawk Garberville Icom R-70 - Kiwa Loop

NJ-MT Nancy Johnson Billings FRG-7 & Radio West loop <nancynjohnson@uswestmail.net>

BK-CA Bob Karchevsky Sunnyvale RA-A/two long wires /MFJ-1026wv <karchevskyworldnet@att.net>

CK-CO Chris Knight Fort Lupton Kenwood TS440S/AT, GE Superadio III + Kiwa loop <swrad@juno.com>

BM-SD Bill Moser Fort Pierre barefoot GE Superradio II <wcwfort@dakota2k.net>

JRF-WI John J. Rieger South Milwaukee FRG 100, Kiwa Loop and MFJ959B tuner-preamp <johnrie@webtv.net>

KR-AZ Kevin Redding Mesa Realistic DX 440 and RS 18-1533 loop <1ewdxer@juno.com>

MS-MB Morris Sorensen Winnipeg Drake R8 with McKay Dymek DA-9 loop <dubanat@hotmail.com>

JW-CO John Wilkins Wheat Ridge Drake R-8, 4-foot box loop, Superadio II

STATION NEWS & NOTES


1520 UNID ?? - 9/29 1937 - Poor, but steady, with Mustangs vs Jaguars (?) ... or W???. Listened for 17 minutes to fade out. No other mentions. (JRF-WI)

DX AND EQUIPMENT TESTS

1430 KEZW CO Aurora - 10/10 0310 - Occasional TIs noted during regular NOS format. Turned carrier off a few times, too. One on One Sports Station consistently punching thru in KEZW null, probably KQUL but didn’t ID it. (JW-CO)

TIS & OTHER STUFF

1610 WPHC769 AK Anchorage - 9/1 1045 - With CL ID, University of Alaska loop, snow day school closure info. (CB-AK7)

1610 KOF700 AK Denali National Park - 9/8 1300 - With This is KOFL, 1610 AM, The radio voice of the Denali National Park and Preserve and National Park into loop. (CB-AK4)

1670 WNGE288 CA Sacramento - 9/24 0945 - Mentions of www.wattov.com, and phone number of 976-9777. Did mention location in Sacramento, so I guess GJ-C’s phone call to them did the trick. (MH-CA1)

1680 TIS CA Lake Tahoe - 9/16 0925 - NorthStar Ski Resort with parking information. (MH-CA4)

1680 TIS CA Lake Tahoe - 9/24 0852 - Very strong into Garberville, this really gets out. (MH-CA1)

MIDNIGHT TO MIDNIGHT EIT

550 KTNZ AK Anchorage - 9/8 1250 - Strong, with KTNZ, The Zone, and ESPN sports new. (CB-AK3)

580 KRSAT AK Petersburg - 9/6 0945 - Fair, with REL programming. (CB-AK3)

590 KHR AK Anchorage - 9/1 1250 - Strong, with Alaska’s Favorite Music, KHAR 590. NOS format, with Bridge Over Troubled Water by Simon & Garfunkel. (CB-AK1)

620 KGTL AK Homer - 9/1 1330 - Good, with 620, KGTL, USA Radio News, baseball scores, Labor Day traffic report. (CB-AK1)

630 KJNO AK Juneau - 9/1 - Weak, with ESPN Sports News and K-Juneau slogan (telever: only heard slogan). (CB-AK1)

630 KIAM AK Nenana - 9/8 1500 - Good, with Voice of The Wilderness, at 630 on your AR radio, Radio station KIAM. A listing of translators and www address. This is KIAM. Nenana. (CB-AK4)

630 KIDO ID Boise - 9/4 0202 - Tuned in just in time for an ID. (MH-CA1)

660 KENI AK Anchorage - 9/1 1100 - KENI Forecast weather report From your official weather station, 650 KENI. (CB-AK1)

660 KFAK AK Fairbanks - 9/8 1300 - Good, with CL ID, talk show, ABC News. (CB-AK4)

700 KBYR AK Anchorage - 9/1 1130 - Good, with talk 700, KBYR, Anchorage, promo for Bruce Williams Show. (CB-AK7)

750 KFQD AK Anchorage - 9/5 0930 - With 750, KFQD, and a political call in talk show. (CB-AK1)

750 KCHU AK Valdez - 9/6 1140 - Strong with This is KCHU, 770 AM. We are listener supported radio for Prince William Sound and the Copper River Valley. At 1200, Alaska Public Radio. (CB-AK3) (also heard on car radio as far North as Willow Creek on Highway 4)

790 KCAM AK Glennallen - 9/5 1105 - With 24 hours-a-day, stay informed with KCAM. REL programming. (CB-AK2) (also heard on Highway 10 near Chitina)

990 KFYO TX Lubbock - 10/10 0840 - With ID and Consumer Reports spot about UTV alternatives. Weather at 0843 with a high in the 60s temp in the morning at 34 F. New. (KR-AZ)

820 KCBF AK Fairbanks - 9/6 0900 - With AM 820, KCBF is classic country. CW music format. (CB-AK3)

830 KNCO CA Grass Valley - 10/10 0914 - With ID and talk about rainy weather and call in number of 477-KNCO. (KR-AZ)

890 KBBI AK Homer - 9/1 1200 - Fair, on peaks, with KBBI, NPR, then WPR News. (CB-AK1)

910 KBIM NM Roswell - 10/3 0004-0009 - End of news, then local ad for an event sponsored by KBIM, several call letter IDs in promo, into a talk program. Local KPOF nulled. (CK-CO)

920 KSRM AK Soldotna - 9/5 1033 - Fair, with KSRM, Radio 92. Weather forecast, plug for Radio Kenai.com, AC music format. (CB-AK2)

920 KXYL WA Spokane - 9/23 2346 - With Tri-Cities hockey. (MH-CA1)

930 WKY OK Oklahoma City - 10/2 2358-2359 - Very good with legal ID, into AP Network News. (CK-CO)
KXTQ TX Lubbock - 10/10 0855 - With an ID coming out of the shop, there was a LOUD about 280 kHz heard on this frequency today. I generally hear it from Denver here. (KR-A2)

KIAK AK Fairbanks - 9/6 1330 - Strong, with AM 970, Newstalk, and sports news. (CB-AK4)

KRTX TX Rosenberg-Richmond - 10/6 2054-2102 - High school football game play-by-play broadcast, with ID at the top of the hour. Dominant over usual KMBZ. First time heard. (BM-SID)

KRTX TX Rosenberg-Richmond - 10/6 2117-2126 - Fair and steady, with local high school football (Diggers vs. 77), several call letter IDs. *line on KRTX Radio, local ad mentioning "Interstate 10". New. (CK-CO)

KAXX AK Eagle River - 9/5 1030 - Strong, with Dallas Morning News. Sports call in talk show. (CB-AK2)

KFDI KS Wichita - 10/3 2339-2343 - Fair, in KNX null, with C&Q music ID. *on AM 10-70 KFID. Surprised to hear this late at night! (CK-CO)

KASH AK Anchorage - 9/5 1000 - Strong, with KSTI, Anchorage, Alaska, 980 AM. It's the cash that counts. Business news, stock market report. (CB-AK2)

KEORp OK Afton - 10/7 0835 - With Oklahoma Network News network. (KR-A7)

KJRN AK North Pole - 9/8 1400 - Strong, with your just heard the latest news from the AP wire and the newsroom of KNJRN. This is your Gospel music voice of the North. KNJRN AM & FM, North Pole, Alaska. REL programming. (CB-AK4)

WMRH WI Waukon - 9/29 2020 - Good, with Waukon Warriors High School football. (JY-WD)

XXKS NM Albuquerque - 10/9 0654-0703 - Nulled KEX and was able to hear La Super Ennis with Ranchera Music. VID (in SS) at 0630 (gave time in CT1H) and at 0651. Only music at TOH. New! Probably using 10 kW day power (NWC Log shows 24 watts at night). (BK-CA)

KRSV WY Afton - 10/6 2200 - Star Valley vs Worland Warriors High School football. No call heard, but was definitely local to the Star Valley town. Internet search revealed Star Valley is in Afton, and they were in fact playing Worland, Wyoming that day. (MH-CA)

CJOC AB Lethbridge - 10/7 0558-0707 - Good, over XEB (no sign of local KLXZ) with C&Q music ID. *Southern Alberta's favorite country, CJOC. Weren't they supposed to be moving to FM at least this year? (CK-CO)

KVAK AK Valdez - 9/6 0900 - Strong, with CNN News on your hometown station, 1230 AM, KVAK, and local weather. (CB-AK3)

KOTS NM Deming - 10/8 0259 - ID noted in QRM: America's best... KOTS Deming, New Mexico, and into new town, but soon lost. Heard next night, too. New catch, for New Mexico. #6. (JW-CO)

KJAZ CA Beverly Hills - 10/6 0845 - Jazz music, legal ID at about 0845. Needed for call change; ex KJQ. (JW-CO)

CHLW AB St. Paul - 10/7 - Fair-to-good, in KNOX null, with country music at 0058. ID at 0100... serving St. Paul, ???, and ???. (misssed names of two other towns given) is this 1310. CHLW. (MS-MB)

KTIK ID Nampa - 10/6 2134 - High school football and local ads. (MH-CA)

KRKK WY Rock Springs - 10/1 2330-2356 - Very good peaks, in local KHNC null, with oldies music (song Arizona), and clear call letter ID. (CK-CO)

WCCN WI Neillsville - 9/29 2017 - Poor, with calls and NOS. Over WSPD. Not common. (JY-WD)

1580 KUVR NE Holdredge - 10/9 2107 - *Jim CVO and Maryanne Faithful songs. Memories 13-80 slogan, then Queen’s Birthday Compact promo. Sounded much better than listed 62 watts! (JW-CO)

1380 KOTA SD Rapid City - 10/2 0850-0854 - Very good with IDs: Radio 13-80 KOTA, news brief, PSA about breast cancer. (CK-CO)

1400 KAYS KS Hays - 10/2 2320-2338 - Fair at best, in mess, with two clear call letter IDs, then into Monday Night Football. (CK-CO)

1410 WIZM WI La Crosse - 10/3 0130-0134 - Good peak with Whism slogans, call letter IDs, weather forecast for La Crosse (current temperature 64 degrees F in downtown La Crosse), into Coast To Coast AM with Mike Siegler. (CK-CO)

1580 KLAM AK Cordova - 9/6 0930 - With CL ID, AC music, song by Travelling Wilburys. (CB-AK3)

1450 KVSI ID Montpelier - 10/6 2125 - Ads for Three State something, ID, and high school football. (MI-CA)

1470 KEAN TX Abilene - 10/5 2056-2102 - Country tunes with Kean 105 promo and ID in between, indicating simulcast of AM & FM. Dominant over usual KWSL. First time heard with these calls. (BM-SID)

1490 KBSN WA Moses Lake - 9/30 0905 - News and local ads. (MH-CA)

1490 KLGR MN Redwood Falls - 10/10 0300 - Briefly fair, over QRM, with legal ID. New here, for Minnesota #48. The SuperRadio II continues to pull 'em in. (JW-CO)

1470 KTRT MO Rolla - 10/5 2200 - ID: KTRT, AM 1490. Rolla clearly heard through a jumble of other stations. Local KBSR still off the air. (NJ-MT)

1490 KNDN ND Hettinger - 10/5 2354 - Poor-to-fair, with country music and IDs as KNDN AM 1490. (MS-MB)

1630 KKKW WY Cheyenne - 10/6 0136 - With the best signal I've heard since they went on the air. Frequent 16-30 KWB IDs and country music. (PG-CO)

GRAVEYARD DX UPDATE

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

7490 kHz:

KWAC CA Bakersfield - Nancy Johnson Billings, MT *095

KTRT MO Rolla - Nancy Johnson Billings *1016

Miles

DDX-East

Welcome back: deadlines for now will be Fridays, but don't wait to send your loggings in, especially if you e-mail them. (And to save me from carpal tunnel, kindly follow the EXACT format I use below, spaces and all.) Those contributors who do, allowing me to simply cut-and-paste your loggings: I'm sorry, I want this week's TES/HAR week, as we have reports from several NRCs on these pony-whistle DX treats. And notice the almost congruent loggings on 1600: can you say, "Oops we forgot to flip the switch again?"

From Mike Hardesty: "Most of the DX was on a trip to/from Winston-Salem on 4 October. The log of the UNID on 10/8 was while in Morehead City for the Annual Festival:...can we say cold, wet, and windy is possible? Tuned to 1600 to see if we could hear the Newport NWS rebroadcast on 1610, and noted the UNID Carolina Beach has a TES, but I've yet to hear ID it.

UnID and Presumed

970 unde ID unD ? - 10/8 1943 - Bruce Williams Show (WM-MD)

1230 unde ID unD ? - 10/7 2200 - Nostalgia music, female saying ID, which sounded like WCRS / WCWX/WCRS (WM-MD)

1280 WIPC FL Lake Wales - 8/25 2147-2205 - Play-by-play of baseball, 2104 pop LA music, all in SS. (DT-JAM)

1290 WQMC SC Sumter 8/24 2000-2034 - Jazz and soul, under WJNO, poor, only station "close" with that format. (DT-JAM)

+ WDZY VA Colonial Heights - 8/16 1028 - Presumed with Radio Disney (WM-MD)

1360 WHNZ FL Cypress Gardens - 8/16 2128-2145 - UC music, ad for NET TV, poor, under unID SS (DT-JAM)

1450 WQCN FL Miami Beach - 9/10 2153-2044 - Talk show in FF, poor. (DT-JAM)

1490 WDUR NC Durham - 10/4 0940 - believed the one word ID for "Oldies 101.7." Receiving Paul Harvey report and to local spot. (MH-NC)
Tests

1180 WTJH GA East Point - 10/7 1955 - Fair and mostly alone w/ many ID's. Gospel format. Ad for recording contract contest that benefits Am. Cancer Society. ID as "Power 1260 WTJH". New. (HJH-PA)

1270 WLIK TN Newport - 10/7 2045 - All alone on channel w/ coverage of GA Bulldogs vs Tennessee Game. Good at times. (HJH-PA)

1310 WSLW WV White Sulphur Springs - 9/21 1941 - Ending Sammy Davis Jr. song then ad for Tri-County Furniture, Carpen廷g and Appliance and the Greenbrier County Octoberfest. Seemed to drop out at this time. (HJH-PA)

1320 WZMZ FL Hollywood - 9/36 2112-2142 - Talk show in FF, poor (still need their new ad). (DTJAM)

1330 WETZ WV New Martinsville - 10/7 2322 - Various ads. "The area's station for news, talk, and information, NewsTalk 1330", ID. (WM-MD)

1390 WXTC SC Charleston - 10/7 2000 - ID at this time followed by minute-long jingle. Fair and alone on channel w/ Gospel format. (HJH-PA)

1420 WRCG GA Columbus - 10/7 1925 - Ad for Freeway Ford at Exit 6 I-185. Good and alone w/ coverage of the GA Bulldogs at Tenn. game. Mention of WRCG.com (HJH-PA)

1420 WCRE SC Cheraw - 10/8 1941 - All alone here at a fair level w/ oldies format. Ad for Cheraw Lumber Co. on 2nd Street. ID as "Classic-1420 CRE". Later taken over by probable WRCG. (HJH-PA)

1450 WGGG GA Brunswick - 10/7 2000 - Good w/ coverage of GA Bulldogs. No ID given at pause for station id at 2100 on 10/7. The next night hrd w/ Gospel format and CBS NX on the hour. ID as "Home of News, Sports and Gospel Music". (HJH-PA)

1450 WMAJ PA State College - 9/22 2148 - Up locally with MYL-type format. Promo for "Sports Wrap-Up". (HJH-PA)

1520 WEXY FL Oakwood Park - 9/4 2121-2136 - Gos, Community ox, ID as "WEXY 1520", poor, int SS (DTJAM)

1540 WQGR NC Charlotte - 9/29 1900 - Partical ID through WPRT: "AM 1540 WQGR" (SK-PA)

1550 WBSC SC Bennettsville - 10/6 1945 - Start of high school football game; mention of Marlboro County (WM-MD)

1570 WCSR FL Fernandina Beach - 9/3 2341-2352 - NOS or OLD ID, in part as "The new 1570, WCSR", fair (DTJAM)

+ WXLN IN New Albany - 10/8 0020 - ID, "The Word", into southern gospel music (WM-MD)

1600 WPNT MA East Longmeadow - 10/2 1929 - "Listen Jr. That's Davide Brown on a play on Rock 102". Mentioned ticket to Six Flags. Back to the old format (SK-PA)

+ KLEB LA Golden Meadow - 10/7 1650 - KLEB ID followed by two unid Cajun songs. Poor signal while in; eventually lost in mess. First time heard. (RCP-IN) 10/7 2130 - Fair; steady sig, w/ no WWRL present. "ID aw!, "The Ragin Cajun", 1600-AM KLEB", ID's after every other song. Quite a unique format and easy to pick out. New and quite welcome. (HJH-PA)

1630 WAWX GA Augusta - 10/8 2305 - End of ABC News. PSA's for Church of Latter Day Saints. Canned ID: "NewsTalk 1480/1630 WAWX. Set your dial for the new, better signal." Very wavy and narrowly smoothing KJCI. It's a same to lose this good station. Canned ID at 0100 by the same guy who does this for WBTV, News, talk, and sports. 1630 WAWX Augusta... a Beasley Broadcast Group station", into ABC news. (SF-TN)

1640 KQJD ND West Fargo - 9/3 1928-2013 - OLD or NOS, poor int WWRT, WMBI all the time. Thought it was KXOL, but did not know this one was on (a little closer!) (DTJAM)

Are you expiring?
We hope not! To avoid expiration, mail your remittance to the DX News Membership Center early. Allow ten to three weeks after mailing your check or money order for new renewal data to appear on your mailing label.
1280 KTKP.

TIS and HAR

530 KFJX869 MD Near Elk Haven - 10/9 1340 - Traffic announcements for construction on the section of US 40 between MD 272 and MD 217, heard moderately well from near Havre de Grace, stopped on I-95. Call probably not correct. (RJ-MD)

+ WVU4 MD Edgewood along I-95 - 10/9 0820 - Usual announcements about chemical weapons cleanup (say WAXXX - pts), including phone # and website. This one is indeed the one I heard from west of West Chester PA 11/16, as the phone number matched. (RJ-PA)

2220 WPIZ762 NC Durham - 10/4 0927 - Visitor Information Station noted along I-40W, w/M announcer w/ list of attractions in the area. Call letters per FCC Database. (MH-NC)

1610 HAR NC Camp Lejeune has been noted as far as New Bern, NC, and down to Morehead City area w/ rebroadcast of Newport NWS broadcast. I suspect that either it has a really good ground system (possibly due to high salinity in area) or is running >10 watts. Mostly // 530 outlet, but occasionally has "ThreatCon" status reports. (MH - NC)

+ WNEP742MD Cockeysville vicinity - 10/9 0940 - Strong along I-80 at Hunt Valley w/ geoelectric traffic adv. (RJ-MD)

+ WPEP712 MD Havre de Grace vicinity - 10/9 1330 - Strong along I-95 w/ traffic problems ahead, and were there ever! (RJ-MD)

+ WQO719 PA Kennett Square - 10/9 1310 - TIS for Longwood Gardens (on Rt. 1) heard reasonably well on I-95 crossing the DE/PA border. (RJ-DE/PA)

+ WPEH35 NJ Cemey's Point - 10/9 1410 - Traffic advisory for heavy delays on Delaware Memorial Bridge from I-95 DE/PA border mixing w/ WQO719. (RJ-DE/PA)

+ WPN255 NC Duke University - 10/4 0943 - noted along I-40W. M announcer w/ directions to Duke University Medical Center and VA Medical Center. W announcer w/ automated date and day announcement - time not announced. (MH-NC)

+ WNHQ550 NC New Bern Ferry information station not noted in September or early October during travels in area. Transmitter and antenna still present. (MH-NC)

+ NC RDU Ind. Airport TIS not noted throughout trip of 10/4 while traveling along I-40W in Raleigh area. This around 0900 and 1700 on return trip. Still up advising to tune to 1610. (MH - NC)

TIS UNID ? - 10/9 1500 - Noted while in Morehead City, NC. W announcer in soft-spoken voice. Repeating loop, but only clear words I heard each time were "...1610 AM." Not certain if in Morehead City or an adjacent area. Carolina Beach? Mild QRM from HAR at Camp Lejeune. (MH - NC)

+ WNJW446 NEC UNC Chapel Hill - 10/4 0924 TIS noted w/ M announcer mentioning upcoming events and phone numbers. In a couple of minutes traveled, became dominant of WPN255. (MH-NC)

+ WPED201 NC Greensboro - 10/4 1023 - TIS noted w/ M & W announcers mentioning attractions in area, Visitor and Convention Bureau, and giving ID as WPED. (MH-NC)

1620 KNHT236 NC Winston-Salem - 10/4 1050 - Area HAR noted, along I-40W, w/ road construction info announced by a M. Announcing 530 kHz and sign posted lists 530, but nothing noted on 530. (MH - NO)

+ WNZK748 NY ROOSEVELT ISLD - 10/11 0913 - Usual rebroadcast of NOAA Weather Radio KW305 (162.55 MHz). (RJ-NE)

1630 WPNK720 NC High Point - 10/4 1042 - TIS noted M&W announcers with mention of local attractions, Visitor Information Center and location at 300 S. Main St. ID by W as "WPVK" and mention of "1630 AM." Noted in Greensboro area, along I-44W. (MH-NC)

+ WPCD802 PA Philadelphia Airport TIS - 10/9 1355 - Surprisingly very readable from 1-95 and Rt 7 near Christiana, DE. (RJ-DE)

+ KNAAS85 NY Jamaica - 10/11 0910 - Announcements about construction affecting access to different terminals (RJ-NE)

1640 ? ? - 9/26 0322-0342 - Cont. tape, memo for $40, parking available near River

side Dr. sounds like airport info, perhaps American Airlines, Dallas? (Very likely - pts) (DT-JAM)

+ WPMG567 NJ Monmouth Beach - 10/11 0920 - Alternating series of local events announcements (some over a month old) and also rebroadcast of NOAA's KW305 in between. No ID's heard. (RJ-NE)

1680 WPYN994NC Garner area - 10/4 0854 - HAR noted along I-40W, w/M announcer w/road construction info from NC Department of Transportation. Excellent level. (MH-NC)

+ WPYN994NC Nc approaching Mebane area weight station - 10/4 0953 - HAR noted along I-40W, w/ road construction info from NC Department of Transportation. (MH-NC)

1700 KNAAS85 NY Jamaica - 10/11 0900 - Traffic reports for all over the surrounding area (RJ-NE)

Addresses, Formats, Stereo

740 WNQF OH / 10/14 1400 - Jazz music with announcer "Cool Jazz 7-40" into listing of events in suburban Cincinnati. Weak under WJY splash, heard on Buick Century car radio while in Kewpee Drive-thru. (I don't know why I didn't hear them Friday 10/13 0800 in the parking lot of Harris Corp in Mason OH) (FV-OC)

910 WQTO MI Cassopolis - now broadcasting in AM Stereo, according to station officials. (BT-IN)

1230 WBVP PA Bear Creek and

1460 WMBA PA Ambridge ... format, network and parallel info needed on this pair by Wayne Hein for the next Log.

1430 WLRG FL Panama City - Not at address shown in Log, no explanation on returned envelope from P.O. (DT-JAM). Address in Log 21 is invalid (SK-PA)

SC-IN Steve Chappell MCCordville,In. 3 Terminated loops, Bearcat DX-1000

RJ-XX R. J. Edwards Blue Bell, PA. car and radio and whip, in various locations

SE-TN Steve Francis Alcoa, TN - TRF, Select-a-Tenna

HF-MI Harold Frode Midland MI - Drake RB8 + 85/215" RW's, 125 ft. single loop Bearcat 600N11 + RS Dosene

MH-SC Mike Hardeste 1996 Toyota Camry w/vender antenna

SK-PA Steve Kennedy Coal Township, PA - Superadio III

HJH-PA Harry Hayes Wilkes-Barre, PA - Trans-Oceanic, Kiwa Pocket Loop

WM-MD William McGuire Cleverly, MD - DX 398

RCB-IN Robert C. Pole Greenwood, IN - Drake RNA and Kiwa Loop antenna

BT-IN Blaine Thompson Ft. Wayne, IN

DT-JAM Don Trelford St. Anns Bay, Jamaica - Kenwood R2000, NS/E longwire

FV-OC Fred Vobbe Lima, OH - Buick car radio

Contributors

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

The NRC AM Radio Log, 21st Edition, including cross-referenced listings from 530-1700 kHz, is compiled from both listeners' reports and official sources, making it the most accurate listing of U. S. and Canadian AM stations available. Unbound, three-hole punched for standard binders. Still only $16.95 to U. S. and Canadian members; $22.95 to U. S. and Canadian non-NRC members. Airmail to mail the most accurate listing of U. S. and Canadian AM stations available. Unbound, three-hole punched for standard binders. Still only $16.95 to U. S. and Canadian members; $22.95 to U. S. and Canadian non-NRC members. Airmail to Latin America, $24.00; Europe, $25.00; rest of the world: $28.00. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax).
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"Waist-deep" - that's not a plumbing problem, it's Mark Connolly's frenzied swimming in a sea of Latin American stations. Get out your galoshes and water wings (or this week's columnist)!

Please note new DX address. 3668 Bank Street Rd., Byron NY 14422-9702. My new e-mail address is still the same, but until I get a new computer, as my current one is sold, I can be heard on the internet every third day or so. My neighbor hasn't picked up the corn yet, so no long-distance experimentation yet in my new location. Even so, the lack of noise (from neighbors' fluorescent lighting and TV sets) in this location is a very nice benefit.

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**PAN-AMERICAN DX**

**VENEZUELA**

Mundial, Caracas, OCT 3 0421 - through WGR with "Mundial" slogan shouts several times. [Renfew-NY]

**ST. KITTS ZIZ Basseterre, OCT 8 0459-0550 - Good with soca music, man in EE, BBC News at 0500, BBC music program "Rock Round the World" at 0500 [Delorenzo-MA]

**COLOMBIA**

R.Del,Nacional de Colombia, Urbia OCT 9 0930 - Good; "...frecuencia de la Radio Difusora Nacional de Colombia," folk music. [Conti-ME]

**TRINIDAD & TOBAGO**

ICN Port of Spain OCT 9 1425 - Fair; BBC World Service / 5975. [Conti-ME]

**PUERTO RICO**

La Sobera Cadena (WSKN), San Juan, SEP 24 0818 - couple of ID's through CFY and other junk; SIO 332. [Bullern-NF]

**VENUEZUELA**

R. Rumbos, Caracas OCT 9 0322 - Excellent; "En Radio Rumbos, la emisora de venezuelas, Diane, presenta los minutos, toda esa y hermosa musica." [Conti-ME]

**ANGUILLA**

Beacon, OCT 7 0922 - Gene Scott religious program. [Renfew-NY]

**BRAZIL**

R. Nova Eldorado, Sao Paulo OCT 8 2240 - Good; woman in Portuguese with Eldorado mention, urban contemporary music. [Conti-ME]

**VENUEZUELA**

R. Sur, Puerto Ordaz OCT 9 0257 - Good; "la senal gigante" ID, merengue and urban contemporary music. [Conti-ME]

**VENUEZUELA**

R. Rondere, Porlamar OCT 8 2300 - Excellent: "Desde Porlamar, isla de Margarita...transmite Radio Oriente, 270 AM," promo for Realidades program on "Radio Oriente, la senal de Venezuela." [Conti-ME] OCT 7 0299 - heard with "La Hora Oriente" announcement. [Renfew-NY]

**JAMAICA**

RKR Kingston, OCT 8 0545-0600 - Strong and alone on channel with live remote from a local nightclub with DJ interviewing various patrons. Obviously simulcast FM as frequent ID's "RJR 94-FM" and "RJR 94-FM in the house." Best signal ever from this station! [Delorenzo-MA]
0945 - ROM pop music from Nestleares: song is "Recuerdos Siete Ochenta" - male announcer with CDT tie checks & requests; frequent slogans and occasional call letter ID. Reasonably sure of call letters, although at various times they sounded like "XENF" or "XEAM". Apparently ex-970. This one not listed anywhere. XE 415 here. [Winikns-CO)

PARAGUAY R. Primero de Marzo (ZP70), Asunción, SEP 24 0136-0143 - SS talk about football, ID at 0142. [Burnell-NF]

NETHERLANDS ANTILLES PJB R.Transmundial, Bonaire OCT 9 0299 - Excellent; "En 80 del dia, el mensaje diferente a transvoo de Radio Transmundial, desde la isla de Bonaire, Antillas Holandesas" and inspirational music. [Conti-ME]

PUERTO RICO WABA La Grande, Aguadilla OCT 8 0000 - Fair; "850 AM... Waba, la grande" and Latin American nostalgic vocals, over/under WEII. [Conti-ME]

BRAZIL R. Caraita (Z11474), Senhor do Bonfim, SEP 23 2305 - PP sports, muddy ID so let's call this tentative; SIO 332. [Burnell-NF]

BRAZIL R.CBN Rio de Janeiro OCT 8 2330 - Fair, assumed this with news in Portuguese. [Conti-ME]

VENEZUELA Enlace 860, Valle de la Pascua OCT 9 0030 - Good; "Musicales 860" nostalgia program, "Valle de la Pascua... Enlace 860" ID and "musical" jingle. [Conti-ME]

VENEZuela Puerto Cruz OCT 9 0025 - Fair; "En Barcelona, Puerto Cruz... 870 AM," Latino pop/salsa, frequent time checks. [Conti-ME]

ARGENTINA R. Nacional (LR1), Buenos Aires, SEP 23 2300 - faded up over two unID Brazilians, pies, news from Buenos Aires; SIO 333. [Burnell-NF]

MEXICO XFTC Torreón, COAH, SEP 25 1312 - Ricardo Rocha talk program: gave 1-800 numbers and E-mail; think this program originates in Mexico City; at 1314, "Estefano Mayran" slogans and program notes. Good signal in KRVN null. [Winikins-CO]

VENEZUELA R. Paraguaní, Punto Fijo, OCT 7 0055 - extensive identification announcement. The last syllable of the name is most definitely accented! [Renfrew-NY]

VENEZUELA R. America, Valencia OCT 9 0040 - Poor; shouting Radio America IDs heard through R.Progreso-Cuba. [Conti-ME]

BRAZIL R.VoXX Parlaroma OCT 8 0230 - Good; -coutinous bachata music, many equis IDs. [Conti-ME]

URUGUAY C2O R.Monte Carlo, Montevideo OCT 8 0250 - Fair; "C2O Radio Monte Carlo" IDs, full ID; ...transmite C2O Radio Monte Carlo, Montevideo, republica... Uruguay/over/under domestics. [Conti-ME]

BRAZIL R. Rio de Janeiro OCT 7 0114 - What a difference 30 miles makes. The local on 950 is now multicable, and so I could hear this one with the usual time clocks and morse code ID's. [Renfrew-NY]

ARGENTINA R. Splendid (LR4), Buenos Aires, SEP 24 0841 - "Splendid, una emisora con historia" slogan before a tango; SIO 343. [Burnell-NF]

BRAZIL R. Record, Sao Paulo OCT 9 0150 - Good; assumed this with a prooever in Portuguese. [Conti-ME]

BRAZIL R. Mundo Mil, Motion OCT 9 0200 - Fair; "sintonia de... Radio Mil AM" and salsa fading in over Bra-

1000 MEXICO XEFV, Cd. Juarez, CHIH, SEPT 30 0832-0444 - Spanish, very good and steady signal with occasional "growl" from another station slightly off frequency. Music ranchera and slang as "La Rancherita." Announcer with "Buenas noches, continuamos...", then local ad. [Knight-CO]

1000 MEXICO XFOY, Mexico, DF OCT 5 0035-0035 - Spanish, fair with music ranchera, 4-noted whistle and "Es Rad-y-o Mil" jingle by child. QRM from XEFV and another XE giving "Radio Frontera" slogans. [Knight-CO]

1000 MEXICO HIVN Pasto, SEP 25 2148-2201 - sports talk, Texaco and Pepsi ads, ID as "Radio Pasto, fair, WMVP interference. [Trelford-JAM]

1000 MEXICO XEHL, Guadalajara, JAL, OCT 7 0135-0140 - Spanish, fair over all with music ranchera and "La Poderosa 10-10 AM" slogan. [Knight-CO]

1000 VENEZUELA Mundial Margarita, La Asunciun OCT 9 0210 - Excellent; "Margarita primera en el mundo," Latino pop music. [Conti-ME]

1000 DOMINICAN REPUBLIC R.Hiel, Santiago, AUG 28 2206-2238 - male announcer with news, singing "Radio Cadena Noticias", fair under KWWK. [Trelford-JAM]

1000 unID OCT 7 2150 - Fair in SAH; French Creole with mentions of FM and AM, "Info... Popular," and promos or ads with French Caribbean music. [Conti-ME]

1000 MEXICO XEQOO Cancun, SEP 26 0037-0055 - American pop music in EE, "Radio Pirata", Corona ads. [Trelford-JAM]

1000 COLOMBIA R.Delfin Riohacha OCT 7 2200 - Fair; jingle and ID, "Transmite Radio Delfin, H.I.L.Y, en la banda AM" with fanfare into program of exotics. [Conti-ME]

1000 VENEZUELA YMVA Maracaibo, AUG 29 0125-0200 - LA and US pop music, no ID but Venezuela mentioned, fair. [Trelford-JAM]

1000 COLOMBIA Emisora Atlantico, Barranquilla OCT 7 2214 - Good; jingle and time check, romantic vocals. [Conti-ME]

1000 MEXICO XEB, Ciudad Obregen, SON, OCT 2 0501-0508 - Spanish, fair peak thru KNX with music ranchera, ID: "Estas escuchando a XEB, La Potrilla (or similar), mentioned "Ciudad Obregon, Sonora." Did not hear the familiar "Radio Mexicana" slogan. [Knight-CO]

1000 VENEZUELA R.Barcelona, Barcelona OCT 7 2216 - Excellent; "En Radio Barcelona, siete dias se siente... merengue music. [Conti-ME]

1000 MEXICO XEDY, Mexicali, BCN, SEPT 30 0420-0426 - Spanish, poor to fair with music ranchera, one mention of Mexican and "Radio Gallo" slogan. [Knight-CO]

1000 VENEZUELA Union Radio, Caracas OCT 7 2217 - Excellent; "Union Radio Noticias con mas informacion" and news. [Conti-ME]

1000 ANTIGUA ZDK St. Johns, SEP4 23 1932-2022 & SEP 25 0000 - evening church service from St. ??? Anglican Church and religion program. This twigged me to Antigua, as I don't think there are too many Anglican churches in the USA. At midnight, Gospel music ads, Carib-accept. [Trelford-JAM]

1000 VENEZUELA R.Carupano, Carupano OCT 7 2225 - Good; "La emisora de la buena suerte" slogan, ads, announcements, IDs over unIDs. [Conti-ME]

1000 BRAZIL R. Rural (ZYK274), Porto Alegre, SEP 24 0155-0204 - many ID's, coverage of a special event in St. Gabriel; SIO 344. [Burnell-NP]

1000 VENEZUELA R.Idal, Maiquetia OCT 7 2259 - Good; ad for supermercado in Maiquetia, "1100 AM... Ideal ranchera" into light adult contemporary music. [Conti-ME]

1000 VENEZUELA La Voz del Caribe, Porlamar OCT 7 2305 - Fair; "desde Margarita... la Voz del Caribe" over an unID merengue music station. [Conti-ME]

1000 ARGENTINA R. Continental," SEP 24 0254 - no "Continental" listed here, but I strongly suspect that R. Brigadier Lopez (LP) must relay the Buenos Aires station; ID with web address, pipes, and time of 1930, news with lots of Olympic news/SIO 343. [Burnell-NF]

1160 BMUDA VBS3 Hamilton OCT 7 2310 - Good; BBC World Service news // 6175, over an unID religious station (Caribbean Lighthouse-Antigua). [Conti-ME]

1160 COLOMBIA HJBLBarranquilla, SEP 24 0031-0052 - LA pop music, ID as "Radio Aeropuerto", fair. [Trelford-JAM]

1170 COLOMBIA CARAICA, Cartagena OCT 7 2315 - Fair; Caracol ID in football play-by-play. [Conti-ME]

1190 CUBA Radio Rebelde, La Habana, SEPT 30 0330-0411 - Spanish, good, steady signal, coverage of the Olympics, Cuba vs. Russia. "Radio Rebelde" ID #0110UTC. QRM
from a Radio Disney (KOL7). [Knight-CO]

1190 VENEZUELA 1190 AM Esteoro, Barinas OCT 7 2226 - Fair; many "hora de Venezuela" time checks, "especial" mentions, accordian/cumbia music, over/under WLBJ. [Conti-ME]

1200 VENEZUELA 1190 AM R. Tiempo, Caracas OCT 7 2255 - What a surprise to hear this station on such a crowded frequency! Lots of talk, announcements, and "Radio Tiempo" slogans. Also heard OCT 10 0253 - with a man and woman talking about the movies. [Renfrew-NY] OCT 8 0000 - Excellent; "Emisor Radio Tiempo...exactamente las nueve de la noche," mentions of district federal and Falcon, talk about television entertainment. [Conti-ME]

1210 BRAZIL 1192 AM Ceudi R. Clube (ZYEH95), Fortaleza, SEP 24 0209 - time check, ID, and then talk about television; SIO 444. [Burnell-NF]

1220 BRAZIL 1192 AM G. Globo, Rio de Janeiro OCT 8 0028 - Fair; Globo jingles, whistling, man in Portuguese, and Billy Idol song over an unl ID Latin American station. [Conti-ME]

1239-98 VENEZUELA 1192 R. Nacional (YVNY), Punta Tumsecty, OCT 6 2223 - program promo, "RNV Popular" ID, SIO 333 [Burnell-NF]

1250 BRAZIL 1192 AM R. Metropolitana (ZX167), Vespasiano, SEP 23 2343 - religious meeting, ID, amazing SIO 444 with some QRM from the usually much stronger CNB station. [Burnell-NF]

1250-04 BRAZIL 1192 AM CBN (ZX1218), Vitória, SEP 23 2348 - woman with "CBN" ID, talk about elections; SIO 332 with QRM from R. Metropolitana. [Burnell-NF]

1260 MEXICO 1192 AM XEWGR, Morelia, COAH, OCT 2 0200-0227 - Spanish, fair peaks with musica ranchera and musical tropical mixes, "Radio Ranchito" slogans then KYSF and KXWR. [Knight-CO]

1280 BERMUDA 1192 AM VSB2 Hamilton OCT 8 0037 - Fair; assumed this with religion over unl ID American and domestic stations. [Conti-ME]

1290 VENEZUELA 1192 AM R. Puerto Cabello, Puerto Cabello OCT 8 0040 - Good; classic salsa by El Gran Combo de Puerto Rico, then "Atencion Audiorinne...de Radio Puerto Cabello donde esta en noticia" with fanfare into news. [Conti-ME]

1300 PUERTO RICO 1192 AM WTL R. Util, Mayaguez, AUG 24 2238-2258 - LA pop music, ID as "Radio E-Euti" (?), poor. [Trelford-JAM] OCT 8 0106 - "Desde Mayaguez, esta el WTL Radio Util, 1300 kilohertz and rastromatic music, over an unl ID Latin American easy listening music station. [Conti-ME]

1340-07 BERMUDA 1192 AM ZMB2, Hamilton, OCT 6 2218-2231 - financial report, sung ID at 2222, sports, then program in PP at 2230; SIO 243 [Burnell-NF]

1350 COLOMBIA 1192 AM HIJHL ibague, JUL 19 2100-2127 - talk show, ID as "Radio Norte" and "Festival," poor. [Trelford-JAM]

1360 COLOMBIA 1192 AM HJIN Sinceclo, AUG 16 2112-2159 - talk show, ID as "Caracol," fair. [Trelford-JAM]

1410 BRAZIL 1192 AM R. Sao Goncalo (ZYEH47), Sao Goncalo dos Campos, SEP 23 2156-2215 - religious sounding PP talks, some mellow music, ID at 2211; SIO 333. Thanks to Henrik Vlemet and Roco Cotofone for confirmation of the ID. [Burnell-NF]

1420 MEXICO 1192 AM XEH Monterey, SEP 11 0101-0052 - LA pop music, "ranchera," ID as "Rasio Tremenda," poor to fair. [Trelford-JAM]

1460 COLOMBIA 1192 AM HJWH Barranquilla, SEP 8 2141-2158 - LA pop music, ID as "Radio Uno," fair. [Trelford-JAM]


1480 PUERTO RICO 1192 AM WMDQ Fajardo OCT 8 0140 - Fair; "Salsa con Clase" promo, local ads, pop/merengue. [Trelford-JAM] WMDQ under WSAAR [Conti-ME]

1500 VENEZUELA 1192 AM Dos Mls, Carabobo OCT 1 0157 - Fair; Radio Dos Mls ID and romantic music over WTP [Conti-ME]

1510 DOMINICAN REPUBLIC 1192 AM HILB Santo Domingo, AUG 2 0031-2032 - talk show then LA pop music, Santo Domingo mentioned. [Trelford-JAM]

1520 until Oct 1 0940-1900 - Duing Latin American stations, mention of radio, light instrumental music, the other with Spanish rock music and many. 344-1520 telephone number announcements but no IDs. [Conti-ME]

1520 BRAZIL 1192 AM Musical (ZYEH99), Canicagulo, SEP 21 2331; 23 0000 - Brazilian cover versions of 60's pop tunes, frequent single ID's; SIO 332. [Burnell-NF]

1520 COLOMBIA 1192 AM HIJQ Barranquilla, AUG 1 1908-2003 - LA pop music, ID as "Radio Minuto," fair. [Trelford-JAM]

1530 MEXICO 1192 AM XEUR Mexico City, JUL 31 2335-2350 - LA pop music, mention of Mexico, presumed. [Trelford-JAM]

1570 BRAZIL 1192 AM R. Asa Branca (ZYFP98), Salgueiro, SEP 23 2355 - ads, ID as "Rado Asa Branca, Rado Povo," SIO 333. [Burnell-NF]

1580 VENEZUELA 1192 AM YVQK relay, unknown site OCT 8 0210 - Fair; merengue and salsa // 910 YVQK. [Conti-ME]

1580-03 VENEZUELA 1192 AM YVTK? SEP 24 0057 - promos for various TV soaps, Venez. music, ID's only as "RQ-910" seem to relay YVQK on 910 SIO 333. [Burnell-NF]

1600 BRAZIL 1192 AM Nove de Julho, Sao Paulo, SEP 23 2200 - PP talk, ID; SIO 242. [Burnell-NF]

1630 ARGENTINA 1192 AM Red 92, Buenos Ares OCT 11 0100 - Good; mix of Spanish and US pop music, including Spanish remark of Mouth & Mac Neal "How Do You Do?" [Conti-ME]

Marc speaks: "Various other LA's noted during this opening but not ID'd. First time I've been awake at 2am local in a long time."

Ben speaks: "Am enjoying Mark's DXP 3A phasing unit which he converted from my old DL2. TA's have been poor the past few days except for a brief flurry last night in the 1500's. So far, Manzantana 763 has made it to the mainland in the States to get them regularly to 1449, but rarely with the strength they seem to put into the Connelly-Conti etc area. 1 do have a long-ago verie from them. Well, I should be able to hear a few TA's during the next two weeks! Will carry my SW-1005 plus KWA poocket loop." [Ben is traveling across the ocean again - Jim]

TRANS-PACIFIC DX

738 UNID (but likely TAHITI), OCT 3 1206 - Male talk in french. Poor but probably as good as we had on [878]. [McLachlan-MB]

George speaks: "All sorts of European hets between 0015 and 0100. A few had some audio (864,1098,1188,1206,1366) but nothing ID-able. No TP hets at dawn other than 738."
**HUNGARY:** Latest info indicates that the exact location of a 118 kHz TX is Marcali in Hungary, and as of 1600 UTC today it will start relaying VOA/SFE programming in Serbian/Serbo-Croatian. All times below are in UTC. 0300-0300 A/ND NET RL-5 SC (RFE), 0300-0300 A/ND NET RL-5 SC (RFE), 0330-0630 A/ND NET E/SEB (VOA), 0730-0800 A/ND NET RL-5 SC (RFE), 1600-1700 8 A/ND NET RL-8 SC (RFE), 1700-2200 INSERT 118 A/ND NET RL-8 SC (RFE), 1730-1930 A/ND NET RL-8 SC (RFE), 1930-2000 A/ND NET E/SEB (VOA), 2000-2100 A/ND NET RL-8 SC (RFE). 2100-2300 A/ND NET E/SEB (VOA), 2300-2400 A/ND NET RL-8 SC (RFE). [Benő Trutenau (Vilnius) with info from Igor Filat (Belgrade) via Christophe Mayer in Medium Wave Circle e-mail]

**INDIA:** There have been strong signals from AIR Port Blair 684 kHz, maybe the planned increase to 150 kW has come through. 1125 An AIR station first noted on 1125 kHz at 1535 on 23 September appears to be another of the planned new stations for NE India. Noted relaying news in English from Delhi to 1545, then local music and announcements until 1655, when a new bulletin in what sounded like Assamese was carried, the only parallel frequency noted being Cowahati 4960 kHz. Then after local announcement and "Jai Hind" at 1600. No comprehensible local ID heard so far. Quite a good signal in Mae Hong Son, Thailand, noticeably stronger in fact than the existing, similar station on 512. 1134 The 100kHz transmitter near Cuttack on 11.34 kHz has recently been heard with many audio problems (heavy distortion alternating with periods of undermodulation), also appears to be operating rather intermittently. [All items: Alan Davies in Thailand, SEP 24 in ARC Info-Desk e-mail SEP 25]

**LITHUANIA:** Multiwavs (RBW) has a new schedule since 1 September. It is now on the air 0300-0800 & 1200-2030: 0300 0400 R. Liberty (RL), 0400-0800 R. Racza (from Warsaw); 1200-1300 RBW, 1300-1430 RL*, 1430-1500 RBW**, 1500-1630 RL, 1630-1700 R. Polonia, 1700-1830 RL*, 1830-1840 Lithuanian Radio*, 1840-1900 RBW**, 1900-2000 RL. All programs are in Belarusian, times are summer UTC. The transmitter power is 100 kW. The transmitter location is Vilnius / Vilnius, with a 2-mask phased antenna, gain 4dB at 300 km. Email: crbw@centra.lt. "*" timeshifted, "**" repeat. [Rimantas Pileikys/RBW via BI in ARC InfoDesk e-mail SEP 25]

**MADEIRA:** RDP Madeira still is active around the clock with relays of RDP Antena 1 program on 531 kHz, 603 kHz, 1125 kHz, and 1332 kHz. They have local programs during the morning. The signal on 531 kHz is coming from Porto Santo Island. 603 kHz is transmitted from Madeira Island but can also be heard well on Porto Santo. Posto Emisor de Funchal transmits on 1530 kHz (1017 kHz). They have a different program on 92.0 FM. The station recently celebrated its 50th anniversary. During the evening they relay Deutsche Welle in Portuguese. From 2315h local time and during the night relay of Radio Renascença. 1530 kHz also reaches neighbouring Madeira Island in a good signal quality. Estação Rádio de Madeira, which used to transmit on 1485 kHz (960 FM), currently is off the air after it was bought by another local station. Btw: The listed relay of Rádio Turista with programs in several European languages was non-existent already during a stay on Madeira three years ago. [Harald Kuhl via MWC e-mail news 25.08.00, via ARC InfoDesk e-mail SEP 25]

**MAURITANIA:** 783 has now been noted on this frequency after Syria and Saudi Arabia sign off (at approx. 2330 and at 2000 respectively). Their former frequency 1349 has been silent for a long time. [M & Rota via Paul Bowey, MWC e-mail news SEP 19 in ARC InfoDesk e-mail e-mail SEP 25]

**MEXICO:** I'm currently updating the IRCA Mexican Log for the next publication. There are lots of changes this time. If you know of any changes, please contact me via email at swrad@juno.com or via snail mail at: Chris Knight, 1018 Pacific Court, Fort Lupton, CO 80621. There are some useful internet sites for Mexican radio stations: www Steelers of list site (Fred Cantú’s site), www.pdp.net/.../ej/jradio/komex.htm (Esp. Hánninen’s "KOMEX page"), www.imoreradio.mexico/estructura/estructura.htm (Grupo IMER - Instituto Mexicano de la Radio) (www.cirt.com.mx/index.html (Cámara Nacional de la Industria de Radio y TV). Other internet links can be found on the COMEX web page mentioned above. [Knight-CO]

**NORWAY:** 153 According to plans the new transmitter on Ingøy, west of Nordkapp, will start around 1st October. A special broadcast is planned for some time around 28th or 29th September. More information below and from www.dxc.com [Ben Orb Ferguson via BE in ARC InfoDesk e-mail SEP 25]

**QUBICAL:** Norway: A special broadcast from Norwegian broadcaster NRK is scheduled to take place on 153 kHz around the end of September. Exact date and time has not been confirmed as yet, since the transmission will take place as and when the transmitter is ready to be switched on. The transmission will be carried exclusively from the Norwegian longwave site at Ingøy, close to North Cape in northern Norway. This 100 kW Teletón transmitter will replace the 20 kW mediumwave transmitter at Vadsø on 701 kHz. If everything goes well, the transmission is likely to take place around the 28th or 29th of September at the earliest. Up to the minute info into this special broadcast and background will be available on http://www.dxc.com around the 25th, so check this site regularly to be sure to miss this opportunity to hear a new transmitter on the air! After this special broadcast, 153 kHz is expected to carry the NRK Europakanalen in // with 1314, 630 and 675 kHz. We hope this broadcast will be heard over a large distance! A special QSL-card will be issued for correct reception reports to this broadcast. Reports to DX-Listeners’ Club, PO Box 780/Verneheime, N-4668 Kristiansand, Norway, E-mail: longwave@dxc.com [Ben Orb Ferguson, DX-Listeners’ Club via MWC e-mail news SEP 18, in ARC InfoDesk e-mail SEP 25]

**QUERIES, ETC.**

Is there some kind of law in Mexico requiring all radio stations to play the national anthem at 1100 UTC? I’ve heard the Mexican anthem at this time on XE-730 and XEQ-940. It wasn’t part of the sign-on announcement, as these stations are on 24 hours. Don’t know the tune of the Mexican “himno nacional” for midi versions of national anthems, go to http://www.musultemate.com/anthems/index.htm. [Brooker-ON]

**CORRECTIONS**

“My recent 1586 item should have been 1586. Burnell is likely right, but all I have to go by is a 1985 WRTH listing and a presumed guess (in this case wrong), but it seemed to be the only OS or PP on this frequency. Definitely a TA though.” [Trelford-JAM]

**CONTRIBUTORS**

Mike Broker, Toronto ON; 78 Radio RS-57, 2800 kHz wire broadcast from Europe; also DXing from Cappahayden, ND, Drake RRL, 350 kHz wire broadcast at Brazil and 300 in towards Europe. [سجل@morgan.ucsd.edu]

Mark Connolly, WA1QON, Bellevue MA, [MarkWA1QON@excite.com]

Bruce Comli, Nashua NH, RBB, MWDX-5, 30-m wire and 30-m east sloping wire. Also DXing from Camden ME; RBB, MWDX-5, 60-m wires sloping east and west. [BACON1@qol.com]

Gordon Fielder, Wallingford PA; Drake RRL DX-3A phasing unit, four 75’ slopers. [ben-dangerfield@email.msn.com]

Marc DeLorenzo, Auburndale MA, [Marc.Delorenzo@wpd.state.ma.us]

Chris Knight NJ0K, Fort Lupton CO; Kenwood TS-440S AT, GE SRIII, KIIA Loop. [ssward@juno.com]

George Mc Lachlan, DXing near Elma MB; HF-1000, terminated 8001ZZ. 8001ZBZ later, 1900 1500 cape west beverage. [sgmu@sunco.com]

Jim Rennfrew, Biny NY; Drake RRL, Sony 2010, Radio West Loop, longwire. [renergy@localnet.com]

Don Tweed, St, Thomas, TH; Jamica; Kenwood R2000, longwire NE-SE.

John Wilkins, Wheat Ridge. Drake RRL, 4-foot box loop. [peckbig@juno.com]

**ONE OF THE BEST LATIN AMERICAN OPENINGS EVER**

On the evening of Saturday, 7 OCT 2000, I DXed from the Tomset Road DXpedition site in Oceans, Cape Cod, MA. What I experienced was one of those auroral propagation “fleeting transience” for medium-wave DX from South America and the Caribbean. Early on (pre-sunset), Brazil-760 was coming over daytimer WVNE. Other Brazilians on 810 and 1010 showed later. An interesting aspect of this opening was that right after sunset, many good signals came in from seldom-logged stations on the "regional" channels at about 1200 kHz. Here are a few ex-
Bermuda... lould!
1290  R. Puerto Cabello, Venezuela
1320  WUNO, Puerto Rico
1380  Ondas del Mar, Venezuela
1390  Fe y Alegría, Venezuela
1350  R. El Sol, Colombia
I also had many of their stations in the above-1210 segment as well as multiple Latin American
on most of the lower band channels. Most stations were identified but there were a few
intracable waist-deep puddles too. Once again I tried to get an ID out a momentarily huge
1050.3 (any help Florida DXers?), not only was 1050.3 annihilating WEVD-NY but a 1050.3
Latin American wiped out WEVD as well. I heard LA's on channels where I've never tuned them before or
something. 1260 with QWQW, a 1510 Spanish talker challenging WNRB, etc. There were some
tests never previously noted such as 1269.9 and 1510.5. Trans-Atlantices were principally from
northwest Africa. Mauritania-783 (parallel 4845) had an outstanding signal, Guinea-1385.92 got loud, and
Nigeria-1062 was coming through at times. If I'm getting all this stuff with antennas on top of the
car, just think of what a 1 km Beerage is going to bring in. [Mark Connolly, MA]
Hi Mark. Things are hopping here, too! I was out on the evening of the 6th (Friday) specifically to
hear the special broadcast from the new Norwegian tv on 153 kHz. I got that one, but almost nothing else.

The wire was really doing nothing for northern Europe even though it was pointed roughly at
Scotland. However, I could hear stuff off the side that made me realize with that with a few coat-hangers
pointing south I would have been hearing in major DX. Even 1340 CJLS, which normally dominates
the freq unless one uses a really directional set-up, was audible. ZIB2 was alone except for some SS QRM.
By the way, ZIB2 is on 1340.07 kHz these days, and I was very surprised to hear them go into a JP
program at 2230 UTC. 1290: I think I heard the Rio station here, but I didn't pause to log anything
on this freq. 1560: I logged this one on 1560, too. I had WRHC here last December, but this time I could
not squeeze an ID...sounded like a Florida SS station, though, with 55 rap and slick Latino music. [Jean
Burrell]

**DX’er’s Notebook**

**Dave Braun**

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863 Allabands Mill Rd.

Camden Wyoming DE 19934-2132

**Shared tips, topics, and Internet info**

You may have noticed on the front cover of No. 1 that Paul was "musing" about the future of DX

Harly Edmun(ks<ks@earthlink.net>: The latest DX NEWS arrived today and Paul Swearingen raises
an intriguing question on the front page: are DX tests an outdated concept in these days of corporate
ownership and non-resident engineering? Certainly the number of tests is way, way down (remember
those Monday mornings in 1970 when over a dozen tests would be scheduled on near-empty
channels) and the odds of any test being widely heard are slim. Maybe—like frequency checks—DX

tests have outlived their usefulness. Any thoughts...

Russ Edmund(ks<ks@hotmail.com>: Although my DXN usually arrives Mondays, today was
an exception. However, I think there's a cause which predates large corporate ownership - the near-
elimination of daytimers. Then came relaxation of engineering standards and requirements by the
ICC. Both of these occurred some time ago, and both before the relaxation of ownership rules and its
more recent visible results...

Patrick Martin<ks@dweb.net>: That is a very interesting question. I think DX tests are still very
useful and as many have seen the WJNT-890-MS test was heard coast to coast. Here in Seaside
Oregon, hearing a MS station is rare, so that was really great to log WJNT. Yes, there are fewer tests and
I think many stations do not have the interest or the time. There are still a number of CEAs that take an interest
in reception reports. Even with all the QRM, stations running non-directional daytime power seem to
do well. I know of many stations I would never have heard without the DX test in recent years. One
comes to mind is WARV-1590-Rhode Island. That was a real thrill to hear that, even if it took a beverage
to hear it. I think DX tests will always be very useful in hearing new stations. Keep em coming!!!

Kevin Redding<ks<ks@earthlink.net>: 1480 kHz, I have to admit that I consort with the enemy at
IRCA. I work with Lynn Hollerman on CPC. We ask everyone on earth if they will run a test and a lot of
them say that at night no one is there. Its all on auto pilot and they aren't coming in to do a test it
looks like.

Randy Stewart<ks<ks@msu edu>: About the continuation of the tradition of DX tests... I can
certainly understand the reluctance of most stations to bother with them these days. But I'd personally
have to see them die out altogether. As Pat Martin and others have noted, those CW IDs can cut
through the most crowded channels...most of my best DX test loggings, in fact, have been mostly on
the basis of CW IDs, rather than voice IDs or any identifiable program material.

Kevin Redding<ks<ks@earthlink.net>: With tube transmitters and crystal oscillators in 1970 frequency
checks were very important. With new solid state units, transmitters usually stay close to frequency
(at least) to tube transmitters usually stay close to frequency and (at least) to frequency checks are
usually not needed. A tone or morse code can usually be heard through the QRM and a good way of testing
a station with all the 24/7 operation is this way we can hear a DX test.

Randy Stewart<ks<ks@msu.edu>: The idea of asking after seeing the antenna and power changes in the
column is a good one. I think we have done that. It does mean you have to be on a field. If I did it more, but so far it hasn't
been that successful. People just aren't all that excited to go in after midnight on a Monday morning to run
a DX test that they aren't getting paid for. The station being automated doesn't seem to help much.

**Roberts Radio**

Cindy Allen

Morris County Museum

1800 K 번

973.565.3409

KDQQ-AM

973.565.2200
what we expect the station to do during the test. The old standby of a half-hour of special programming on daytime facilities is ideal, but even having stations insert a code ID on a regular basis should help someone hear it that otherwise wouldn't, I suppose.

You also may have noticed in IDAX Bruce Cost's recent log of Uruguay on 930 (maybe in this issue). His position of that log on the wire suggests that he may have been in Lost in the '50s certainly early '70s, but I don't remember him personally. Russell was by some of them but not necessarily by me. Was in NJ on the last trip. Russell didn't get you "em?"

Russ Edwards <wb2ujb@rcda.xs.mail:or> Reply: Wb2ujb, I've had several Peru supplements on that, and several Brazilians, but never got another Argentine or Uruguay. I'd be inclined to guess recollection of this was done earlier in the year."

Neil Kazaros <neilkaz@interaccess.com>: Congratulations Bruce! I believe this is the first logging of Uruguay from the US I've seen in the 25 years I've been in the club.

Robert Foxworth <rfxowor@tampabay.rr.com>: The last CX I recall being heard in the US was 2C88 Radio Imparzial on 1980 which would be occasionally heard on the one day a week that WBAL had around the area. They were ANI that may have been in the 1980s certainly early '70s. They were by number of DXers then, on occasional good mornings, and QSL'd by some of them but not necessarily by me. Was in NJ on the last trip. Russell didn't get you "em?"

Neil Kazaros: I'm well aware of logs of Imparzial in the '60s and perhaps early '70s but by the time I came on the seen in the late 70s the channel was occupied by closer LA's even when WBAL was on going. This highlights one advantage that occurs for DSAs now the further east one goes. In general you get further from points in Cuba and to some extent Venezuela and by picking up the coast of Maine you make Cuba much weaker on a hop signal. Speaking of Brazilians and coastal DX, I had several nights where I knew that QSLing to Mundial on 860 and once I arrived back at my parent's house in Pawtucket there never was a trace. I heard absolutely no Brazilian or anything south of Ecuador from Panama which was about 350 miles from the coast of Maine, I often heard most of the FGR in Mundial and no AU from 1800 and 1600 and a 1kW Costa Rican on 1200, but DSAs felt a lot better for me in Maine."

Russ Edwards: Mundial-860 was my first Brazilian ever (from North Jersey) heard with HQ-150 and NRC loop, several times. Also got Brazil on 940, 980, 1100, 1280, 960, 1000 & 1100, 960, 980 and 1280 were probably the most exciting. My best SA still has to be Perni on 980, though which remains my only "SA" west of Panama. I used to hear several times on 1800 , especially the "New" radio from the coast in Joneport. What I have heard from Florida was in the summer months, the coast on the island at Joneport, with some more permanent shorter waves in the trees. But that's probably a few years off, yet, sigh..."

Mark Connelly <markwajhon@excite.com>: First of all, a great report Bruce. Especially Uruguay 930...awesome...I had a lot of fun DXing the same Latin American "feeding frenzy" from Cape Cod on Saturday evening and I'm going to shoot out to the beach (Rockport or Rowley) on Wednesday after work for a couple of hours to see what else I can uncover. The report will be too long to comply with list rules, so I'll put it on the web and reference the URL here on the list. On Neil's comments (Naraganset versus Queensland), I find on the Cape a distance as small as about 15 miles from West Yarmout, MA with water to the SE, S, and SW versus Orleans, MA with water NE, E, and S and sandy soil blocking in other directions makes a huge difference on the eastern Brazilians. Fortaleza and Natal area Brazilians seem like Africans and are better at the Orleans sites; the Cuban Colombian QRM is much lower even without an obvious difference in skip distance versus West Yarmout. The big difference is the "driving" angle from the SW (Cuba) into the islands, but gets eaten up by the sand on route to Orleans. The west end of the Powder Point Bridge in Duxbury, MA ranks as one of the "top gun" Brazil-getting QTH's because the shoreline runs to the southwest, cutting off Cubans and even some of the western South Americans. The Brazilians from the southeastern coast come in over a long stretch of fairly shallow water that probably has a higher salt concentration than deep water. At sunset I've seen Fortaleza, Brazil on 760 hit over 59 there quite often. The Duxbury location is also suited for the Africans including Lusoto-1197 on several occasions and even the Africa 846 with WEEI-850 nulling with the loop whip cardioid array. This all goes to show that the mechanics of a location can be just as important a contributor (to what gets heard and what doesn't) as the antenna and receiver themselves. Put the best of everything together and east coasters call it Cappahayden (WF) and west coasters call it Japan (WA). Most are aware of the accomplishments of the groups who visit these sites: DX can only dream about at home.

Marc Deleorenzo <Marc.Deleorenzo@repp.dph.state.ma.us>: Bruce, Great catch, nice going!!!

John Callarman <jcallarman@esial.com>: Reply: Repp, WJCI-141 AM (1410m, Lafayette) drops its simulcast of WAZY-FM and flips to Standards under PD Steve Clark. According to an article in the Lafayette Journal and Courier, WAZY's programming comes from Westwood One, and they have added hourly CNN Radio News updates.

And from Scott Fybusch's "NorthEast Radio Watch" dated October 2, 2000: WNTY (990-MN) has returned to the air after that leased-time payment dispute that shut the station down for a few weeks. No word yet on a permanent format for the ADDR Media station...Our engineering and friends have been perusing the FCC database as it slowly returns to being current, and it seems Framingham's WKOQ (1200) and Waltham's WRC6 (1330) are both contemplating sharing a new site of five towers at the Newton site of WINR (1600 Brookline). It's not clear whether WKOQ would be at the site all day or only at night, and we're also told that WRC6's program content will probably be different from WKQ in Waltham. We will continue to monitor these changes for information about these applications, as well as WMEX (1060) Natick's power increase and site move (and its old Ashland location) sometime soon...Wednesday marked the launch of New York City's newest-music station, WNJY (1380) will have a staff of 50 people, comparable to its English-language competitors WCBS and WINS. Alejandro Guerrero is the program director at Mega's new entry into the Big Apple's increasingly crowded AM market...The Commission released a list of currently unlicensed major AM applications last week, based on the applications submitted during January's window for new AM authorizations. We'll know all the details on these later this month, when the full Form 301 applications are due, but here's what's being proposed: Up in Maine, a Daniel Priestly has applied for 1230 in Hermon and 1340 and 1400 in Veazie. In New Hampshire finds Bob Vinikow of WNWT and yet-unbuilt WQHD (1490) applying for 1490 in Lebanon, as well. In addition, New England Syndication's Wendell wants 540 in Jaffrey. We already know about the Connecticut proposals...Fair Communications for 1590 in Oakville, and Dennis Jackson's 1490s in Torrington and Uncasville and 1400 in Fallis Village. Heading into Massachusetts, things start getting interesting...Remember our speculation that Alex Langer bought 1470 in Portage, PA (our guess) for an improvement to WISO's? Well, it's in mind! Seems he's applying to move WISO to Watertown with a significant power upgrade...and to move the Portage station, WNYF, down the dial to 660 and a year west to the Pittsburg suburb of Wilkinsburg. (He's also applying to move WVEC 1530 in Middletown PA a few hours east to the Philadelphia suburb of King of Prussia, and on 1190, to balloon! Also applying to change station to city of license to Watertown, and to Watertown, and to Watertown! Perhaps, to the proposed tower move? In New York, Arthur Liss' FNWY (1440 Babylon) would move to/KIP Terrace on Long Island. Michael A. Sleezer wants a new station on 1440 up on Gloversville. Long-unbuilt WKNJ (550 Lakeside NJ) wants to slide across the state line to Harris, NY. And in the Syracuse area, WOLF Radio wants a new De遇上ter station on 780, WSVI (1540 East Syracuse) to move to DeWitt and 720, while Craig Fox's Renov Broadening looks to put a 1570 on the air in the Mexican heart of Oaxaca. We've had technical details on all of these, when the applications are filed later in October.

If you know of any similar publications floating around that would offer interest to NRC members, let me know and I'll investigate. See you next time.
Farm Radios (and Other Musings)
By Andy Ooms

As I have previously written in an article in this publication, since the age of 4 (which age I achieved in 1942), I have been interested in many forms of radio. These forms include short wave listening, AM decoding, current AM and FM programming, antique AM, FM, and short wave sets, old time radio programming, and just plain listening. You may notice that there are no technical aspects of the radio hobby listed. That is because I claim no technical expertise, and my electronic knowledge is very limited, especially in comparison to the technical abilities of those of you with careers as engineers or electronic technicians. Just plain listening is what I do best. This is in spite of the fact that, as we all know, or at least as many of us believe, current medium wave (AM band) and FM broadcasting is nowhere nearly as interesting as broadcasting could be, nor as interesting as I believe it once was. Negative aspects of today’s programming include narrowcasting demographics, focus, satellite music instead of live local or network talent or programs, sound-alike and mediocrity in music, and apparently a targeted audience ranging from the 6th through the 10th grades. All right, I admit it; my age is showing.

I know that many of you are as fascinated by radio as I am; I don’t claim to be unique at all in that respect. Also, I refer to those of you who have more technical knowledge than I do. And note that I write with apologetic qualification. It appears that I have an interest in historical or electronic fact; when the reader begins to differ, then the reader is probably right.

During my high school years in South Dakota, I had a small used radio sales and repair business operated out of my home. My timing was good as in those early ’50’s most radio repairs involved soldering loose connections, replacing line cords or speakers, fine tuning variable condensers (now probably called capacitors), or replacing tubes. All of the above I could do. I did not get into the science of understanding circuitry or making the investment required for obtaining a test equipment necessary to determine faulty caps, resistors, transformers, and condensers. I could read a schematic, but not well or willingly. Note that transistors are not mentioned; they had been developed by then, but were not yet part of household electronics items.

The early fifties were good for my little business is that in the late forties, the Rural Electrification Agency began bringing 110-volt AC current to most farms in South Dakota and probably throughout western rural America. Line current had been on the farm in the more populated east for some years before then. Until about 1948, my uncles, aunts, and cousins living on farms near my town did without “normal” electricity. Looking back, that seems surprising to me. At the time however, it was not in the least noteworthy. Even in town, we did not have indoor restrooms at home, school, our small-town businesses, or local churches. My grandparents lived in town, but did not have running water. They used a hand pump in the kitchen sink, which drew from a rain water cistern outside.

Our household bathroom was installed in 1960, when I was in 7th grade. Running water indoors was generally limited to kitchen sinks and washing machine hookups. Within that context, not having 110-volt AC on the farm didn’t seem remarkable.

Farmers without access to AC electricity coped in various ways. Some of my relatives used kerosene or white gas lamps. The gas lamps had fragile mantles; the kerosene lamps used sturdy wicks. Stoves were wood, kerosene, or gas. The gas stoves and lamps needed pre-lighting pumping to produce the required pressure; consequently there seemed to be an element of risk of explosion or fire when using them. That risk was largely theoretical, if the equipment was used properly. The stoves were also used in many homes in town that had electricity, although at least the oven or electric stove existed. Needless to say, on those farms, flashlights, batteries, and gasoline engines were critically important items. There was no natural gas available in that area.

Some farms had wind-charger systems. South Dakota has a fine supply of wind; after centuries of use of this resource, no signs of depletion are yet evident. Wind-charger systems delivered 32 volts direct current; this was the voltage which was used to charge batteries. These were either 32 volt DC sets, or battery-operated sets. In those days, A, B, and sometimes C batteries were required. In the pre-solid state era, batteries were fairly heavy, large, expensive, and had a short life. Home battery chargers were unknown to most people.

Under those conditions, pre-electrification radio usage for those not fortunate enough to have a wind charger system was generally limited to big non-portable sets used for full attention listening to specific programs. Batteries were too costly to waste on mere background sounds, so listening was rationed. Frequently listening was limited to prime time (an unheard of phrase at the time) evening network programs with the entire family as a living room audience. Another typical listening habit was local news, farm markets, and weather reports with the volume turned up loud enough to hear while driving the tractor in the field.

Why was the advent of rural electrification good for my fledgling amateur business? With 110-volt capability, farmers suddenly found new uses for radio. All day listening to soap operas by housekeepers while trying to keep up with homemaking chores, long an indulgence of town and city dwellers, became an economically feasible activity on the farm. All-day listening with battery sets had been prohibitively expensive. The family children, of all ages, could listen for hours at no noticeable cost, so radios became a common part of the living room in the homes of farmers. Usually however, the second radio on the farm, after the family living room set, got sent to the barn. Almost all of the sets in the area were general, producing meals, grains, eggs, and milk. So, one or more members of virtually every farm family spent from one to three hours (depending on number of dairy cattle, and depending on whether a new-fangled milking machine had already been purchased) every morning and every evening, 7 per week, 52 per year, in the barn. Appropriate programming for these occasions was available also in the ever important markets and weather in the morning; polka bands, Amos and Andy, One Man’s Family, or The Lone Ranger (obviously dependent on who controlled the dial) in the evening as a transition from work time to leisure time.

My uncle Harris, a Chicago radio shop owner, gave me a car trunk full of working used table model sets. These were the Radiola type, on one of our bi-annual trips to visit my parents. My father had been a radio repair technician before he was drafted. As there was more than a dozen, became the nucleus of my used radio business. I placed an ad under the barber shop mirror for $4.00 per year reading: Nard’s Radios, Used Radios for Sale. Radios Repaired. The business name came from my childhood nickname derived from Bernard, my middle name. Radiocis is a name that caught my attention I guess, probably from seeing it in Popular Mechanics, Popular Electroncis, or Popular Science. Actually I don’t remember where that word came from. So, I sold those radios to farmers for their barns. I accepted trades on AC radios, but also wound up with some 32-volt DC wind-charger radios.

As can be imagined, their value plummeted immediately upon 110-volt hook-up. I sometimes think of all those radios, many of them new and unused, that were sold probably after years of sitting on some shelf in some shed while their owners waited futilely and hopelessly for some practical use for them. Nowadays, a collector could be interested in them, demonstrating them with shop power supplies, but then I was not a collector and tended to be practical. If you could plug it in, who would want it and why keep it? Nevertheless, I used to hate it when a particularly beautiful model with lots of bands and lights came to my attention and it was of no practical use to its owner or me.

That business jump start created by my uncle’s radios led to my buying future radio stock from people who were willing to sell their used radios. One enjoyable source of stock was the occasions when I would be offered two radios, non-working, with the condition that if I fixed and returned one, I could keep the other. This was a good deal, especially on those occasions when both were repairable by me, and I could choose which one I wanted to keep.

When my South Dakota grandparents died, I inherited their highboy style Atwater-Kent, at a time before my business years. It became my bedroom radio for 5 or 6 years, although table models came and went through that room also over the years. Shortly thereafter at an estate sale in town, I bid on another old Atwater-Kent and lopped off $5. That kind of activity allowed me to actually buy and own an antique piece of furniture, especially one that could provide so many hours of enjoyment. I don’t remember what happened to the second old console, but I presume that I sold it relatively soon, as I don’t recall having two around at the same time for any length of time. It is now coming back to me that it was in my garage for awhile, the garage being my summer version of the
basement workshop. But I still remember the warm big sounds of those big wooden consoles with their 12 or 14 inch speakers. Mellow booming describes the sound to me; no one wonders the idea of putting radios in barns came to mind. A big console with big speakers was perfect for a big, busy, noisy barn.

Let me digress here and insert what I believe I know about some of the radios that I was involved with for a period of time as differentiated from the several dozen that merely passed through my hands. Back then, no one I knew cared about older versus new radios. I didn't either. There was no antique or classic radio interest as far as I know. People cared for performance, price, sound quality, and looks; age was not very important, as each of the very oldest radios were relatively new and not yet very rare. So I do not know the model numbers of the radios from my youth; I remember other details about them, so I am going to estimate what the model numbers were by data I have obtained from publications. Tube numbers I knew and cared about; model numbers were not important to someone who wasn't using schematics.

The first radio I was cognizant of was the late '30s model (I won't guess at a model number) Zenith console in our living room. It was multi-band, had pushbuttons, and a black rectangular dial. It had good performance and tone. When I was younger, I was not allowed to select my own listening times and programs, and about the time I was old enough, I started getting my own sets in various other rooms and didn't hang around our living room much. So although I remember enjoying listening to that Zenith with other family members at a young age, I never actually personally operated it to any degree.

The Atwater-Kent I had from my grandparents was probably a 60, made in 1929. The cathedral clock in our home in that day were Philco's, a good radio but relegated to the nearest station, KORN, Mitchell, SD, 1490 on the dial. Our fluorescent lights and refrigerator and freezer motors wiped out other signals. But KORN had a good daytime signal from 40 miles away, and had the right mix of local programming, music, after school serials, and baseball games, so I didn't mind the situation. On a slow day, though, I'd look for a fix that I could tune around some and listen to Sioux Falls, Sioux City, and other exotic metropolises.

When I was about 15, someone cleaning out our basement, attic, or garage offered me a RCA Radiola 80. Naturally, I took it. That was the oldest-looking radio I ever had. It had a flip open top and a long row of tubes. The speaker was separate, a round metal one. That became my basement shop radio for my last two years of high school, and although I took it for granted, it was a wonderful set. It had a great tone, looked good, and was real nice for flipping open and seeing all the glowing tubes at work. That began a long time practice of mine of taking chassis out of cabinets and seeing the works and the glow when I had a radio on. I had radios operating out of their cases for months. Naturally, the advent of transistors took the fun out of that habit.

When I was about 11, I became the owner of an Atwater-Kent 206, produced in 1934. Many a night, I listened to Texas, Oklahoma, New Mexico, and Mexican stations with it and my head under the blankets to escape detection. I would wake up sometime after midnight, bring the radio into bed, listen for an hour or two until I fell asleep, wake up again around 5 o'clock, and start listening to the weather for a while. The 206 was quite heavy, and one day I was charged with forbidden listening as the imprint of the base of the 206 showed up during the following day when Mother changed the bedding. It also got hot under the blankets with all those tubes, but I thought that was a small price to pay for listening to the magic.

My business included town customers as well as rural ones. As the population of Corsica, SD, 450, my burden of entrepreneurship allowed the time for heavy work, working in my Dad's general store before school, during lunch hour, and after school, and from 8 am to midnight every Saturday. We were closed Sunday. I have no complaints about that fairly heavy store schedule, as I thoroughly enjoyed being an adult member of the community. I still remember many customers, what kind of car they put their groceries in, what brands they were partial to (Wheaties versus Pepsodent; Jif versus Kellogg's Corn Flakes; Folgers versus Buttermilk coffee; Luckies versus Camel) who they were related to, and so many other idiosyncrasies. I periodically return to that area, and enjoy visiting with some of the former customers, and they certainly seem to enjoy reminiscing with me. Our store closed in 1966, as Dad had decided that he was tired of the long hours and intended to get out of the store as soon as his youngest child graduated from high school. He felt that working there kept his high school kids out of trouble (who had time for mischief? actually I found little time for that occupation) and stated that as the sole reason for not selling it. I heard him say that occasionally, but didn't register until he sold it the month after I graduated from high school. I guess he meant it. He enjoyed working for a supermarket chain in another city thereafter; 40 hours a week, and no sleepless nights about the state of the business made his life a whole lot more enjoyable.

I also found time for a little fishing, hunting, rabbit hunting (the local creampuff, a business dedicated to buying milk, eggs, and chickens paid 5 cents a pound for which they sell to a market near the town), trying to keep a car running, and church activities. But 3 or 4 nights a week I found in the radio shop, messing with electronic gear unless I had a guest in who caso played caron (up to 26 games one night; the winner needing a two-game advantage, the final being 19 games to 17. I remember the score, but not who won, which may be evidence that I lost).

My repair business was aided by going to the local radio store owner and using his tester for the tubes from the non-working radios I needed to repair. He didn't seem to mind, probably because I bought any needed parts from him, and I was undoubtedly his highest-volume tube customer. He didn't pay much attention to my business otherwise, and was not my "dealer" (electronics mentor). As time passed, I needed to buy tubes less often, as sets I parted out eventually yielded a large supply of used tubes and knobs and other items.

Eventually, I read ads for electronics catalogs in Popular Science, Popular Mechanics, Science and Mechanics, and Illustrated magazines. I ordered catalogs from Allied, Newark Electronics, Lafayette, and Chiesa, plus a couple other companies, names forgotten. I studied them thoroughly and dreamed of all the stuff I didn't have and in fact wouldn't know what to do with, in many cases if I did have it. Some of the things I remember ordering include a long-playing record of either spirituals and cumbia music for my mother's birthday, as she enjoyed unique items. I ordered a contact microphone and amplifier that attached to a guitar sounding board to upgrade a local guitarist as an acoustical guitar player were beginning to want to emulate steel and electric guitar players. At least once I ordered whatever I could afford that I needed and included 4 cents left, so I ordered a 4 and a producer for downsizing a dial switch for a small selector and I can't imagine doing that now, but did I order probably totaling $10 worth of items included the socket reducer I never used. I am unaware of anyone ever using such an ingenious item, but I had 4 cents left over and knew of no more worthy cause of non-designated funds than electronic gear of any kind. If 24 cents had been available instead, I would have talked for, found, and ordered something more expensive in order to use it up (maybe I would have ordered 6 unnecessary socket reducers).

Although I got out of the radio repair business upon graduating from high school in 1956, Allied and Burstein catalogs, addressed to Nard's Radiophonic Service, followed me to college in Grand Rapids, Michigan and after college and after Army service in Germany, they followed me to Indiana. As recently as 1966, I bought an electric alarm clock for about 3 bucks from Burstein when I was living in Indianapolis. I used that clock every workday until 1994, and it still works, although it is now parked on a closet shelf. It followed me and my jobs and family to Anchorage, Detroit, and Los Angeles. But my purview of the catalogs and my usage of them dropped dramatically (one clock in 10 years) and naturally they stopped coming. I have no idea when the last ones came. Are Burstein and Allied still in business? (No, see below -pl.) My catalogs of choice nowadays include Antique Electronic Supply (the Arizona tie-in for this article), Grove in North Carolina, and Universal in Ohio.

My general pricing policy was very simple as I was kind of rule driven in all my habits. I charged $1 plus parts for any repairs. Some repairs were simple and quick, loose wires or variable condensers adjusting for example. Some I spent hours on, looking for faulty connections or other problems not readily identifiable. Either way, I charged $1. Some I worked on for hours for several evenings, but could not fix due to lack of training or test equipment. Those I returned at no charge. If the repair required one of my used tubes, I charged $1 for the tube, regardless of style, rarity, or new price. If I had to buy a new tube, I resold it for 10% over my purchase price. I don't think I charged any labor for tube-replacement-only jobs.

The selling price for my radios was $5, unless the tube pricing formula mentioned above for the
tubes needed to bring the radio to working order called for more. The radios were all used, and except for needed tubes had cost me little or nothing.

There was a large family of adventurous entrepreneurs in my town. They were involved with almost any activity, except the normal farming and small business operations of the area. This family moved buildings, including grain elevators and churches, created roads with bulldozers, moved entire towns out of the way of the lakes created when the big Missouri River dams were built, harvested wheat from Kansas to Manitoba, flew airplanes, and in short, did all kinds of interesting things, compared to my family. The grandfather of the family gave me the Radiola 60. He had at least 9 children, and many grandchildren who were of my generation. One of his sons, Doc, became a Kaiser-Frazer dealer. This dealer had many acquaintances and relatives.

When I was growing up, there was no age limit for vehicle driving; 10-year-olds drove tractors, and 12-year-olds drove cars with sibling passengers to school. These young driving ages were not the norm, as there were plenty of older siblings who insisted on driving, but younger drivers did exist. I was 16 when a law requiring drivers to be at least 15 was passed, so to this point in my life, I have never been too young to legally drive.

At any rate, Doc had living parents, 8 siblings, and many driving nephews, nieces, sons, and a daughter sold a lot of Kaisers and Frasers to relatives, employees of relatives, and friends. I often think of the number of Kaisers and Frasers per capita in Douglas County, SD had to be the highest in the United States. Doc hired me during his senior high school years to install radios in his new cars. He paid $5 per installation, which was great fun and money for me. The first one took about 4 hours, as the car had been designed for easy radio installation. As I was 6 feet tall, I had to fold my legs over the seat of the front seat, and lie upside down with my head under the dash for much of the four hours. The heating air duct had to be removed through a series of awkward maneuvers, and replaced through a series of maneuvers that were even more awkward. But I was proud and enthusiastic about this adult-type business transaction and enjoyed the results. Eventually, I got the job down to a little less than 2 hours. Dad paid me $10 weekly for 30 hours during the school year and $65 weekly May through September. I was not in the least dissatisfied with the pay, as I knew others who worked as hard or harder than I on the family farm or at the family business for no more. The depression taught my parents how to enjoy life without much cash, and they successfully passed their attitudes along to me. Plus, I got free room and board, and had the right to earn more on my time. But the joy of earning a dollar was invaluable to someone outside the family, and having a reason to stay out till 11 p.m., and getting $5 per night for difficult, but fun, work was immense.

Although I did not spend much of my adult life improving that small portion of my youth spent installing Kaiser and Fraser radios, it was a real treat to make a difference then. After the installation of a museum started by Doc's brother. The museum consists of several sheds, a Quonset hut, and open spaces, containing many old, classic, antique cars, trucks, steam engines, tractors, and farm machinery. In the Quonset hut, some Kaisers and Frasers were parked; some in fine condition. And although I had not signed my work and therefore could not prove who installed the radios, the odds are excellent that I have done one or more of them.

After seeing those cars, I went to visit Doc, then in 1966, confined to his house by illness. I had talked to him only once before since 1966. This time I asked him why he hired me to install the radios. I assumed the $5 I charged was less than the factory charge. He corrected me, saying that he would have ordered them factory-installed, but that factory-installed radios were unavailable. I still don't know why that was; it may have been that their supplier was backlogged. Maybe he ordered radios that were not specified for the vehicles; that might explain some of the installation difficulties.

Most embarrassing moment in my radio repair career: leaving my hot soldering iron on the side of the plastic case of the clock whose line cord I was replacing. Nice joining clock until then. When hung, the damage wasn't too noticeable. I confessed, apologized, and he charged me $1 for it. I didn't charge for used line cords, as you can imagine I had a huge number of them by then. The customer was good-naturedly, and later had me work on his living room console radio. In fact, he was a competitor of Doc, in that he operated one of the other grocery stores in town. When I graduated from high school, he bought Dad's store, and I worked for him that summer, until I left for college.

The most surprising moment in my radio repair career: getting knocked to the floor due to touching a hot part of a chassis, and finding out that sometimes more than 110 volts lurked among those parts, especially noticeable when standing on a damp basement floor.

The most satisfying moments: every time a newly received radio worked, or a radio that I had been attempting to repair, and hearing a good sound. And every time that a radio with a sick signal could be greatly improved by merely properly reattaching the antenna leads, adding an antenna, or adjusting the variable.

The most exciting moment: I hadn't paid much attention to shortwave because no one knew about it and medium wave was satisfying enough to me early in my radio years. But when I was about 11, I heard the DX, which had several short-wave bands and therefore a fascinating dial, and I knew I had to find the inoperative one, replacing it, and then begin seeking short wave stations in earnest. I will blame junior high uncoordinated for the bad fact that I dropped the little metal bucket that I carried all the tubes in on the concrete sidewalk in front of the radio shop as I was trying to open the door. Three tubes broke, worth about $12. Since that was about an annual income for me then, and since I had a console AK to listen to, I didn't even check the remaining tubes, and never attempted to repair that set. By the time I had $12 several years later, I had plenty of working radios. But I still remember the sadness of that day, and many times since then even now I wonder what short wave listening opportunities I missed.

I never possessed a good shortwave set while I lived in South Dakota and never ran into anyone who was consistent with short wave listening from that state. I do remember older AM sets that showed POLICE on the upper dial, from about 1600 to 1800 KC, but I never heard any signals there. South Dakota was and is a low crime population state, and I always presumed that 1600 to 1800 would be busy and fascinating in places like Chicago.

The most encroaching discovery: from a toy microphone someone gave me, I discovered that tube radios had an amplifier and that wires connected to two prongs on that tube would enable a microphone to be heard through the set. After I had absorbed that fact, and worn out my microphone use enjoyment, one night I left my microphone unattended and I wonder if a phonograph cartridge connected to those prongs would allow a phonograph to be heard in the home, and I should have figured that out immediately. But I didn't figure that out for a long time. How exciting that was, finding out that my theory worked in practice. I didn't make a public spectacle of myself, but I certainly felt like an electronics genius for a while. Finding something alone and by logic, even if many people knew it all along, is a very pleasurable experience, and I suppose improves the motion inventors have.

My work thereafter generally had a hard time keeping the Radiola on which while I played some of my minuscule record collection. But records never replaced radio for me, in large part because I never knew what would be heard on the radio next and someone like me kept listening in the hope that the next sounds would be interesting. Records were fine and sounded better more consistent than a lot of radio signals but lacked the element of surprise I craved. I am somewhat more cynical about what I listen to radio now or at least have lowered expectations.

A final note on my basement radio shop: I remember early 1960's Monday night radio programs that more than any part of the week. In the summer, I spent no time in my shop except for actual repair jobs only, as warm nights and fishing and other such activities pulled me outdoors. But during the winter, I would spend entire evenings in the shop, whether or not I had actual repair jobs. Due to church youth groups, working on Saturday nights, and basketball nights most other nights, I must have spent more Monday nights at home than any other nights. And on those nights, I remember the glow of the Radiola with the open lid listening to a silly quiz program with the name Lemar in the title. Camel sponsored the show: Lemar is Camel spelled backward, and the game involved the term 'I'd walk a mile for a Camel'. I believe that the Sauter Finnegar Orchestra played on that program, and was the most enjoyable part of it. His music was second only to that of Spike Jones for me, in those years.

I also remember Lux Radio Theatre on those Monday nights. My town had no movie theatre, and it was not until at least two years after high school that I found out about Broadway, or even knew that any live theatre existed someplace else in high school class plays. Lux Radio Theatre was interesting for me though. It consisted of current movies and plays, re-rated for a 60-minute radio presentation and using the actual stars of the current productions. Obviously, I paid no attention to the source of the radio programs, and just enjoyed the programs themselves, drama or comedy, as a Monday night thing to do. (My lack of knowledge about the entertainment industry outside of radio is
into his store down the street; and in September, I walked away from my business (actually took the train), left for college in Grand Rapids, MI where I proceeded to do very little in the line of radio repairing, as transistors replaced tubes and I had not kept up with the technology. Also, I was totally busy with college, the Army, girls, and cheap cars instead of radio. But I continued to be interested in listening to radio and had a little other involvement, which I may write about someday.

And because I thought "Nard" was too unsophisticated for college and the city, I switched to "Andy", based on my first name.

My folks moved from my childhood home in October that year, one month after I left home. They auctioned some stuff off, moved a little, and hauled the rest to the landill, known then as the dump. So the dump got most of my left over stock, and by then I was so totally immersed in a whole different way of life that I didn't give a bit of thought to the interesting stuff being thrown out. But this year, while writing this, I am wondering: what ever happened to that Radiola?

[Andy asked about the fate of Burbstein-Applebee, which was located at 3199 Merriam St. - Kansas City, MO, just barely inside the line from Kansas, and down the hill from Signal Hill, where WDAF AM/FM/TV were all located at that time. The last BA catalog I possess is dated "1980", and I believe the store went out of business in 1981 or so, the land being purchased by a developer for probably a high-rise or mall or something more exciting, like a parking lot.

I had the opportunity to visit Fair Radio Sales in Lima, OH this summer, and the vista and smell of old radio equipment transported me back in time to my visits to BA, which sold a good number of used and surplus equipment, although their forte was components, both surplus and new. Electronic tools, publications, recording tape...you name it, they had it. The cover special on that last catalog is an "AM/FM stereo receiver with built-in 8-track recorder/player; just add a set of speakers for a complete stereo system! Fully wired! Ready to install! Build into any cabinet or all $59.95."

One of the last times I visited BA, I spotted an HQ-170 or a shelf and inquired about the possibility of their having an HQ-180 available. The clerk provided me with a phone number of a regular customer, and after a quick trip to a nearby bank, a $300 drain on my credit card in the form of cash, and another short drive into Mission, KS, I had my HQ-180 (and still do).

Yes, Burbstein-Applebee and most of the old-line electronics suppliers have followed the kerosene and white gas lanterns, outdoor three-holders, and iceboxes into history. But Andy. I still have my Radiola, a five-tuber table model inside a handsome, solid wood case, of WW II vintage, which I started DX'ing on only about 7 or 8 years after WE got rural electrification, too, in Allen county, KS.]

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**AM Broadcast Station Antenna Systems: A Basic Guide**

Written by NRC'er Patrick Griffith, this book makes it easy for the non-technical DX'er to understand everything about AM broadcast antennas. Over 35 photos. $13.95 to NRC members ($17.95, non-members). Order from NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax).
NRC Listserv Procedures by Fred Vobbe

Just send a message to the list of your choice in the following syntax, (list)-subscribe@ncrxdas.org to subscribe, and (list)-unsubscribe@ncrxdas.org to unsubscribe. For example, you want to turn off the AM list when you go on vacation, just send a message to am-unsubscribe@ncrxdas.org to unsubscribe. A couple notes: 1) If there are people posting at the same time you are sending an unsubscribe, you could get a few messages. 2) You will get a message back from the list confirming that you have taken this action. Just reply to it and send it, adding nothing. This is a security feature. If you do not reply, no action is taken. 3) Asking the administrator or the moderator to do it for you can take time. If the address is out of town, the request will not be honored until back in town. This is for security reasons.

By subscribing to a list, you agree unconditionally to the terms of the NRC and the list rules. They are at http://www.ncrxdas.org/policy.

b. List names and descriptions

AM@NCR XDAS.ORG: For discussions of DX and things relating to AM radio. Stories, loggings, technical issues, topics of interest to people who love listening to AM radio.

AM-DIGEST@NCR XDAS.ORG: The "Digest" version of the above. Instead of getting individual messages, you get one large message with all the postings of the day.

FMV@NCR XDAS.ORG: For discussions of DX and things relating to FM radio and television. Stories, loggings, technical issues, topics of interest to people who love listening to FM radio and television.

FMV-DIGEST@NCR XDAS.ORG: The "Digest" version of the above. Instead of getting individual messages, you get one large message with all the postings of the day.

DXTIP@NCR XDAS.ORG: Post only CPC tests DX Alerts to stations on the air under unusual circumstances (weather emergency, forgot to change power/pattern, etc). DO NOT reply to posts in this area. This area is not for discussion. Many people have this tied to pagers and alert systems, so discussion is not welcomed. Just post alerts and heads up!

DXC@NCR XDAS.ORG: This is the Buy/Sell/Trade area. Anything radio related can be posted. Please no MLM, adult, Anway, etc. Personal web site ads encouraged. No commercial site advertising (if you make money off your web page, it's commercial). Please leave Name, Address, City, State, Zip. Phone at your end so people can call you.

GYDXTM@NCR XDAS.ORG: This is the Graveyard DX list, and is for one way postings of records by Bill Hale. This is a one way posting of the column that appears in DX News.

IDXDB@NCR XDAS.ORG: This is the International DX Digest (IDX) listed by Jim Renfrew. This is a one way posting of the column that appears in DX News.

c. Gotchas

The list "may" reject a message that comes in where you have put multiple names in the To: CC: or Bcc: field. This is not a bug, it's a security feature. Please post messages with no more than 3 recipients. The list may bounce messages over 20k in length. Digest users... please edit your replies so you're not sending back an entire Digest back to the list as a reply.

If you change ISPs or locations, the list may not yet post you until you subscribe. When changing services, unsubscribe from the old one, and subscribe by the new one. (Moderators can not do it easily.) It's easy for you to do.

If you get a bounce, read what it says. If the server sends back a message, it says what the cause is.

If it's an ORBS message, there will be a link to the reason. If you want me to comment on it, you have to send me the ENTIRE bounce with headers. If your ISP is on ORBS list, it is for a reason... mostly due to lack of security. Complain to your ISP and not to the NRC.

Read http://www.ncrxdas.org/policy. It tells how the lists work. It will save you a lot of time in the future.

d. Comments & Misc

If you have a beef with a list, a person in the list, the NRC, or any policy. Send it to the moderator of the list, the web master, or to any of the board members. Info on how to contact these folks is on the Web site http://www.ncrxdas.org.

If for some reason you suspect there is a problem with NRC's web site, or mail services, contact the administrator at 410-229-4192. Voice mail is on when I'm not around. Best time to reach me is between 6PM and 9PM eastern time.

Domestic DX Achievements

Paul Swearingen
2840 SE Illinois Avenue
Topeka, KS 66605-1427

Name and location

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Additions of interest to the DX community.

Domestic DX totals listed periodically in different categories
Thanks for updates from Steve Kennedy, Pete Taylor, and John Wilkins. We hope to see your name and updated listings the next time around. Please?

This column is arranged by Total Domestic Heard, then by States heard as the tiebreaker, and we’ll run various priorities at different times. Domestics of course include the contiguous 48 states and Hawaii, Puerto Rico, and other territories. District of Columbia, and for verified listings, those who are no longer NRC members, so should you drop out and rejoin, you’ll need to resubmit your totals. How about making it priority for next time for filling in the blanks above, at least in the year started. In 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.

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It’s A Convention Tripleheader Weekend!
by John R. Malicky

NRC Lima, Ohio 2000 August 31 – September 4, 2000

Lima! What a hit! Just another enjoyable and “grand slam” event sponsored by the National Radio Club over the Labor Day weekend!

As always, many thanks for his “complete game” work, plus assembling WNRC “Convention Radio”, to Convention Host and DXAS Editor Fred Vobbe and his “team”: wife Debbie, daughter Connie, and son Jonathon who’s 5 years of age! Also, thanks for his “relief help” to Phil Wayne and to Fred’s “bench support”, John and Linda Bowker! Always “in the clutch”, John and Linda helped to distribute our convention guides, the well designed clip-on name tags, handled registration, listing members’ names, and tallied bids at the auction! Plus anything else I didn’t mention! If this wasn’t enough, Fred also received a “setting” ovation and “MVP” recognition for his 15 years of coordinating DXAS and being named, in addition as chief engineer, Vice President of Operations at TV 35 WLIO Lima!

Unfortunately, I always do miss some members who were regular attendees like Bruce Comte, Ernie Cooper, and Kermit Geary, plus various DX News Editors and columnists. Also, to anyone else who could not attend like two “starters”, Dick Traxx and Frank Merrill. A broken ankle prevented Dick from coming, but hopefully he’ll be off the IRL “Injured Reserve List” and make next year’s bash. As for Frank, he’s let me throw a “change up”, attending a different reception, that of FM DXing?! So in his absence and money at the auction, we did have Gary Siegel “in relief”! However, in attendance “on the mound” were two longtime members and friends, Betty Lord and NRC Publications Manager and Board Member Ken Chatterton!

Now to our story and postgame report! Leading off, it’s Friday afternoon September first, a new month and time on an extremely warm and humid day. After a drive up I-75 from Sidney, Ohio and a visit to WMVR-1080/105.3, I’ve reached our destination of Lima! For each year’s convention, my anticipation and excitement grow having attended 18 with 16 in a row! Surrounded by these 16 conventions have been my station visits. This year beginning on August 28, I began my radio tours in Cincinnati, Dayton, and other towns in between enroute to Lima. However, that’s another story as now it’s Lima on our second visit, the first hosted by Fred 13 years ago. This small, but vibrant, city sits between Toledo to the north and Dayton to the south in northwest Ohio. Off the interstate at exit 125 and state route 39 is a myriad of commercial outlets to test weary minds like mine! Who’s on first, what’s on second, I don’t know about third, but at the first right is Roschman Avenue leading to our temporary “home park” and hotel, the three-year-old Hampton Inn. On the “line up”, the hotel mentions “100% satisfaction guaranteed” to which I concur!

Inside the “locker room” or hospitality room are my “teammates” or friends, members, and wonderful Kewpee hamburgers! As promoted in DXAS is a “special picnic dinner from 5-7 PM... sponsored by the editors of DXAS” in the room. So this time and under mild pressure not to procrastinate, I bypass a visit today for tomorrow to see WERT-1220 in Van Wert, Ohio to “field” my first meal of the day! In between “short hops” of registering,

It’s not so hard to make friends at NRC Conven- tions, as five-year-old Jon Vobbe finds out.

Pastor Ronald B. Cannon, Sr. is a 39- year radio veteran.

“fumbling” my room key, and “receiving” greetings and an “assist” from our host, I’ll “catch” the legal 6 PM ID from WERT then have a picnic!

During this Friday evening, “on the bench”, I’ve encountered a few members and guests. “Batting first” is DorothyDangerfield and wife of Ben of Wallingford, PA near Philadelphia. As Dorothy is amazed by my entertaining appetite (6 burgers?) We lost count - plies, I am in turn amused by her interesting stories of her and Ben’s Dorothy, a retired school teacher; and Ben, never really retired from his DXing have traveled the world, 110 countries! Happily married for 52 years, Dorothy has tolerated this hobby of Ben’s like “a pro.” “Batting second” is longtime member Jim Wallace who once worked at 1700 WWVA Wheeling, WV then onto West Virginia Public Radio in Charleston, and now in private business since June this year. Having missed Jim in 1987 at WWVA and last year at WWVR, we’ve now caught up.

In the third slot is Mark Erdman who we met last year at NRC Bridgeport. Mark’s “Joy in Living” is working in the “Great Plains of Christian Radio” at KJIL-99.1 and KHYM-103.9. Both are licensed to Copeland, KS though have addresses in Meade, KS as is the same for Mark! Interesting to note, KHYM was licensed to Gilmer, TX on 1060 which was verified by myself many “seasons” ago! Now “batting cleanup or fourth” is my roommate Chris Cuomo. A 13-year veteran in the NRC and nine consecutive years as “roomies”, Chris and I hosted NRC Pittsburgh ten years ago! However, he and I are to be “opposing starters”, pitching our bids to host next year’s NRC convention! Even though now we are miles apart with Chris residing in Homewood, AL outside Birmingham, we’re still in touch or “one pitch” away! All the more reason as I wish Chris all the best because something else more important is occupying his time. That is getting married to his fiancee, Stephanie, in Selma, AL Sunday, October first! And the NRC express our best wishes and much happiness to this new “team”!

The rest of the “lineup” included last year’s convention hosts, Bill and Brenda Swiger, “Brother” Mike Lantz and Lexie, Ken Onyschuk, Chicago’s number one sportfan; always welcome for station and tower locations and stickers, George Greene; DX News Publisher and rival station cup collector, Paul Swearingen; and meeting for the first time in the “DH” (designated hitter) spot is CPC Chairman Blaine Thompson of Ft. Wayne, IN first “gameday” a “W” or win, tomorrow, “game two”!

Saturday, September second and our clock radio is set to AM 1610 WNRC. Suddenly, the radio clicks on at 8 AM with this remark, “You’re listening to AM 1610 WNRC Convention City (and 99.3)... drop us a line or report to receive your very own WNRC QSL... life doesn’t get any better than this!” Let it be delivered, our letters are delivered! Also, life doesn’t get any better because any member can take advantage of the automated station by learning how it works and by being part of the show! Anyone could read a format for news, sports, weather, or welcome messages! With Fred supervising, it’s a great idea! Here the computer system would automatically record the messages to run 3 times or various shifts daily! Shifts would run 6 hours from midnight to 6 AM and 6 PM to midnight with three- hour blocks in between. Easily recognizable were voices of Fred Richards and Jerry Starr’s plus

DXpedition members pause for a group photo outside WIMA-1150.
son, and we thanked him for his “pep talk”.

Now to the transmitters! As we leave the studios, members proceed south about 15-20 minutes away to find the WIMA transmitter site located at 2600 South McClain Road. Here at the site is the original 1948 building once designed as a county fallout shelter and FEMA studio housed downstairs. On the grounds is a 4-tower array with a non-directional signal coming from the 255-foot second tower and all four beams the directional signal north to Lima at night. The main transmitter for the 1000-watt signal is a Broadcast Electronics AM-1A. Less than five miles south is one tower for WBUK, but my less-than-inquiring mind didn’t notice until after the photo was developed later that there are FM bays on that second tower; but no FM’s transmit from it.

Our time for more tours, Mr. Gierhart presents us with an option of seeing the 1300-foot communications tower with 2 bays for WMTT (at 1060 feet) and WMLX (at 650 feet) south of Columbus, Ohio, about 10 miles from here or lunch. Some members opt to see the tall tower while my car companions, Mr. Bowker, Cusano, and Dangerfield, WBCD, take the loss! Though it was ours to treasure of the tours of WIMA, thank you Mr. Gierhart! Arriving back at the Hampton, most members enjoy a leisurely afternoon; however I will seek and find the studio of Lima’s WJDM-940 and Van Wert’s WERT-1220. Accompanied by Pittsburgh NRC member Curt White, I find the afternoon warm and all that is our greeting at WJDM along with 3 FM’s, country WFGT-93.1 or “Foggy 93,” contemporary hits station WZQQ-92.1 “92 Zoo” licensed to Wapakoneta, Ohio, and classic hits WUZZ-104.1 “WUZZ 104” is the group located northwest of downtown at 1301 North Cable Road. Inside a break, WUZZ’s Eric Michaels talks us on “the field” touring each station while explaining their formats! At the stations, owned by Forever Broadcasting, all the young on-air talent are very capable personalities and enthusiastic about their early careers! At WJDM “940 JAMZ” is “Playboy Jay” who started his career 4 years ago at age 13!

As a note, the 940 two-tower site is about one mile southwest of the Hampton, beaming a signal of 250 watts days and 6 at night. Today “940 JAMZ” with a format of urban contemporary is instead airing the Notre Dame-Texas A & M football game, a new pickup for 940. This brings a cheer as ND is leading the “Zoo’s” Christine Connor, a delightful young woman, who has just finished her shift! A ten-year “radio vet”, she mentions almost giving her age away, but her photo! However, I am easily impressed and interview Chris for DXAS!

Yielding to Aaron Mathews on the Zoo, Chris spoke of her “experience two years ago of reading for DXAS and sends a greeting to Fred and the NRCL on this Spot or that, I told Chris that 13 years ago in this building “Dr. Johnny Fever” typed a QSL for himself upon reception of then WCTI! So with that,
we wish Chris, Eric, and everyone the best of success and thank them for our visit!

A little while earlier, I remind myself to find the remnants of NRC Lima '87. Mentioning to Curt, "they put up a parking lot" at Pierce and Market that this was site of the since burnt Milano Inn, the host hotel and later on Cable Road is the old and now empty home to the "Zoo" which in another life was a KFC restaurant! Now like the explorers Lewis and Clark, Curt and I head west off US 30 to old route 30 and Menden Road to find "1200 on your dial". Van Wert's WERT! Even better, like a "double play" combination, we coincide, by accident, our arrival with that of President and GM Chris Roberts! Before departing on a trip, Chris invites us in to see the station! Like a pitcher throwing "heat", Chris "fires" off interesting info about himself and WERT!

A 23-year veteran of Ft. Wayne's WOWO, Chris has a few promotional items from WOWO including a kite and a "sticky board" with a small ball that "fills the hole in the doughnut" between Chicago, Detroit, and Cincinnati by Group W1190! Chris mentions he almost came to KDKA many years ago to replace Art Pallan, but an illness to his wife prevented it. Then five years ago Chris bought the failing WERT, replacing most of the on-air staff with Stardust's satellite nostalgic format and made WERT more of a sales operation. Chris believes that the audience "cares more about the quality of the product" than who's announcing it. While interviewing for DXAS, Chris has on computer four WERT jingles from the mid '60s! In appreciation of our visit, we leave the 42-year-old WERT knowing we won't make the PM "team" photo of NRC members outside the Hampton. Thus I'm tardy for the second year in a row! However, on Fred's advice, Curt and I attempt a quick stop on our return trip to Delphos' WDDE-107.1. Around the detour on old route 30 to West Second Street, we are not deterred, but instead meet President and GM Dave Roach! Dave is in the studio while the country music is playing. Off air, he's listening to the Cleveland Indians being defeated 8-6. Downstairs I'm thankful for the two magic Dave presents to me for the auction, thank you sir!

Rolling on at 6 PM Saturday evening toward a "triple play" evening, our Banquet is first! "You will not go hungry" states DXN as the buffet is full and so are our stomachs at the Ponderosa down the street within walking distance for most from the Hampton. At 7:30 PM, back in the hospitality room at the NRC Business Meeting, a "W" is cast for Pittsburgh also, Jerry Starr's wife Bonnie delivers this "pitch". "NRC Pittsburgh 2001, A Radiorama". Meanwhile "Krazy" already pitches his first section of the new NRC AM Log Book for $15.00. Although there weren't any winners on our free "Super Lotto" Lottery tickets tonight, there were plenty of winners at the always exciting NRC Auction which this year netted $502.00! The highlight was Bonnie's winning bid of $42 for the last remaining NBC "chimes box"; nice ring, Bonnie.

Sunday morning September third and the final day for some, a convention still for others. Returning to the "H" room at 9:30 AM, seven DXAS members and other members listen to John Bowker's DX position and a quick stop on my own and Stareck's "vo dem"! Following the taping is a "vo dem"! NRC Quiz because the print edition was eaten by a mouse! No correctly of poorly answered tests here! Soon it's free time, lively discussions, and departures, or for myself a trip to Dayton's Wright-Patterson Air Force Museum and Omnium Theatre!

n closing once again, "we were glad to have this time together, just a laugh or two"... to enjoy our company, activities, and look forward to next year. And in appreciation, my greetings to all and hope fully to see all of you and WNRC. Plus any other members returning to home for NRC Pittsburgh 2001!

Final score:
NRC Lima 2000 10
Anything not NRC Lima 0
Attending members and guests at NRC Lima 2000:
Cuomo, Hendel, and Baylor: AL
Stoler: CT
J. Bowker, L. Bowker, Lantzy, and Smith: FL
Oryshuk: IL
Thompson: IN
Erdman and Sweeringen: KS
B. LaVigne and R. LaVigne and
Wollman: MA
Sherman: MN
Wesołowski: NE
Mount and Smolarek: NJ
Chatterton, Fybusch, and Lord: NY
Bailey: NC
Cordrey, Dunn, Green, Crejny, Prescott, Siggel, BKF and Jerry

With a well-used Superadio III in hand, Clarence Cordrey is ready for any DXpedition.

Starr, C. Bobbe, D. Bobbe, F.
Bobbe, J. Bobbe, Wayne: OH
B. Dangerfield, D. Dangerfield.
Ingram, Malycky, and White: PA
Marthouse and Mermann: VA
Jones: TN
B. Swiger, Br. Swiger, and
Wallace: WV
Ryan and Whatmough: ON

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

Welcome to another edition of Target DX! Please note again that my primary email address for the column, the listserv and other NRC items is now wb2bjh@nrcdxas.org. I will still retain the former email addresses, so if mail is sent to one of the others, it will get to me. Remember, too, if you have questions you'd like answered, or topics you'd like to see discussed, let me know either by email or at the regular mail address above! This time, we're back in Q & A format.

Q. Does the vertical angle of radiation remain constant in all directions in a directional array?
A. The actual angle will remain constant, however the amount of signal radiated will vary in accordance with the actual directional pattern. Taller towers, both of which are physically taller, as well as those which are constructed in such a way as to have the electrical properties of taller antennas (such as the so-called 'top hat' types) also generally radiate a lesser vertical signal component than do shorter antennas, which may have an impact on the vertical angle of radiation.

Q. What effect does ground conductivity in the area between a transmitter and receiver have on the skywave signal strength at the receiver?
A. Ground conductivity between transmitter and receiver is a significant factor in groundwave propagation, however its effects on skywave are limited to the conductivity at the transmitter and receiver sites. As has recently been discussed in the DX Notebook, the ground conductivity at the receiver site makes more of a difference depending on what type of receiving antenna you use. In the case of longer wire antennas and beverage antennas, ground conductivity can cause major differences, both between different receiving locations, or at the same ones if conductivity is highly variable owing to weather.

Q. My car radio is fine for DXing when the motor isn't running, but when it is, I get all sorts of noise. What can I do?
A. First, you can try your spark plugs for some of the low-noise variety, although you may have to obtain these from one of the larger auto supply houses, either locally or by mail or Internet. Also, you can obtain low-noise distributor cables in the same way and install them (or have them installed). Keeping the engine well tuned and the points cleaned can also help. If all of that's not good enough, you might look into repositioning the whip antenna if that's possible. The best position for reducing noise from your own engine is on a rear fender.

Another possibility is that there may be a short circuit either in the antenna cable either at the mounting point of the antenna or at any place along its route where it goes through a tight place or rubs against metal. You can also look for a sharp bend in the cable which might have a break - generally if there's any visible damage to the outside of the cable, there's a good chance that there's damage inside as well, and the entire antenna cable should be replaced. Finally, you can check to make sure that the antenna isn't shorting to it's mounting and that the insulating spacer that shields the antenna from the body of the vehicle is intact.

If all of the above are okay, it is possible that there is an intermittent or damaged ground somewhere in the engine or on an accessory. Try to determine whether or not the noise is present when the car is motionless with the engine on. If not, try each of the accessories, adding them one by one to see if any of them, or perhaps some combination of them is a problem. If the noise is only present when the vehicle is moving, it may be static electricity buildup from your tires. If the noise seems to change when you go from one type of pavement to another, this is almost surely the problem. Unfortunately, other than waiting several thousand miles for the tires to wear enough to reduce the noise, I don't know of any solution for that problem.

You can also try a noise filter in the power lines between the engine compartment and the radio. One member recently reported on the listserc that he had tried a "Rampage" antenna stereo noise filter bought at Kmart, and reports that nearly all noise is gone! This is a simple inline antenna filter that cost only $13.99!
Q. I recently purchased a new receiver, and I find that there are strong open carriers on 630, 755, 880, 1130 and 1380 kHz. These are all either 125 or 250 kHz. Removed from one another. What could be causing this?
A. While I can't tell for sure, I can offer a suggestion. To be sure, does the receiver have any 125 or 250 kHz crystal calibrator? If so, it may either be switched on and simply need turning off, or else there may be a defect in the switching circuitry. Another possibility would be a similar condition with a crystal filter instead. Another possibility might be that the signal is being generated by another nearby piece of equipment in the shack that has a crystal that oscillates at such a frequency. Try disconnecting or turning off any other equipment in the shack which might be producing a signal, one by one, to see if you can identify any signal that way. If you have a second receiver available, you may be able to use that as a 'control' to either help locate the signal, or to establish that it must be coming from inside your new receiver. If the latter is the case, it's time to contact the receiver manufacturer.

Q. Since I live in a heavily wooded lot my long wire is periodically shorted out (or at least touched) by branches and loses most of its umph (the built-in works better on the SW8 on those occasions). How much loss would I get by using an insulated antenna? The wire runs about 60 feet with an insulated lead in.
A. If the wire inside the insulation is identical to that which you now use, you should incur no more loss at the outset, gain better performance owing to no leave-on or branches touching the conductor, and, possibly less degradation of reception due to weathering of the conductor, although likely wouldn't notice so small a difference. There is no loss on LW, MW, or SW frequencies. Use of insulated wire also simplifies antenna installation. The wire can rest on branches and no insulators required. Select a wire type with heavy-duty insulation, so that rubbing of the wire against branches doesn't wear out the insulation and cause a short. If the wire gets minimal direct sun, the insulation should last for several years, as the insulation can degrade with heavy exposure to sunlight.

That's it for this issue! The next edition of "Dex WINDOW" will again be a topical one; we will focus on various sources of man-made noise, how to track them down, and what to do about them. Going forward, I intend to alternate the topical columns with the general ones, so please send your questions to me via email or regular mail as shown above, or by posting them on the NRC/DXAS listserve. The same goes for any specific topics you might like to see discussed. Info about the listserve is available at www.ncdxas.org.

The influence of the Internet on DX Clubs

By Anker Petersen, at the 2000 Mexican National DX Meeting

My name is Anker Petersen and I come from Denmark in Northern Europe to attend this National Mexican DX Meeting in Oaxaca. I have been active DX'er since 1957 and my main interest is to listen to domestic broadcasting stations in the tropical bands: 60, 90 and 120 metres.

I also attended the 4th National DX Meeting in Tehuacan two years ago and I am very happy to be able here to meet so many good friends again.

Throughout these two years I have had contact in some of you via electronic mail on the internet. That already brings me to one of the important aspects of my lecture which is titled: The influence of the Internet on DX Clubs.

I am Chairman of the Danish Shortwave Club International which is 43 years old, so I hope you will permit me to use our experiences with the Internet when talking on this subject.

We have about 350 members who live in 42 countries in all continents of the world. During all these years we have published a monthly Club magazine in English, called Shortwave News (SWN). Thus we are without doubt the DX-Club with printed magazine with the most worldwide coverage.

With the introduction of the Internet, we began around 1990 to correspond via electronic mail with each other within the Board and Editorial Staff, and also with our members around the world. Since this is both cheaper and much faster than ordinary mail via the P.O. Office, this way of communication has expanded greatly especially during the past couple of years and we rarely any longer use telephone or telefax or send letters to each other.

Our Chief Editor receives nearly all the pages from his subeditors as attachments to e-mail, and since they are in digital form, it is much easier for him to put them into the magazine in the right layout.

In the beginning of 1996 the DOSWCI began to use the Internet to publish weekly electronic DX-newsletters to our members. We called it the "DX Window" and it contained the best DX-loggings and news on short-wave broadcasting which the members sent us via e-mail.

It was free of charge and was distributed to all subscribers as electronic mail. It soon became a big success, because our members received the hot DX-information while the stations still could be heard and several non-members soon joined as subscribers and sent us their loggings and news.

The bulletin expanded quickly, so we had to appoint a Chief Editor and some subeditors who as specialists could take care of their specific regions of the world (Latin America, Africa, Indonesia, etc.). It took many hours to edit and distribute each DX Window, so we had to share the burden by dividing the continents between two or three DX-ers from week to week. Since the Internet is global, it was not a problem for us to have editors in Denmark, Germany, the Netherlands, Austria, United Kingdom, Taiwan and Honduras! That worked just perfect! For more than a year our Chief editor was doing his job from Taiwan receiving inputs from his co-editors in Europe and Honduras.

Today there are several similar weekly or monthly electronic DX-newsletters available free of charge on the Internet. Some of them even issue extra, special bulletins, if something special happens. Let me mention one of them which is all edited, before they are sent out as e-mail to those DX-ers who have asked for them:

Cumbre DX, USA (which is also broadcast on certain shortwave stations)
DX Listening Digest edited by Glenn Hauser, USA (also broadcast on SW)
Numero Uno by Gerry Doster, USA
Conexión Digital by Nicolas Erazo, ARG with news from some of the best DX-ers in LAM.
Boletín Banda Tropical by Jorge Garcia, Venezuela
Chasqui DX by Pedro Arumategui, Peru
Noticias DX by two DX Clubs in Spain with Pedro Sedano as coordinator
Broadcast DX by Wolfgang Bueschel, Germany
Jembatan by Juichi Yamada, Japan concentrating on Indonesian stations
Relampago DX by Takayuki Inoue Nozaki, Japan concentrating on stations in the Andes.

An even more advanced kind of distributing hot DX-information as e-mail via the Internet is the daily electronic DX-newsletters. I am aware of two existing nowadays:

Hard-core DX issued by the Finnish DX-er Risto Kotalampi from his home in California. It has more than 500 subscribers around the world and is the biggest of its kind.

Electronic DX Press issued by Bob Padula in Australia which is just two months old in this format. In both cases, when a DX'er sends an e-mail with hot DX information to a given address, it is immediately forwarded automatically to all subscribers without editing by the owner of the network. Thus every subscriber anywhere in the world gets the DX-news within minutes after it was sent from the sending DX'er.

The second aspect of getting DX-information from the Internet is by searching or browsing the millions of home pages on the World Wide Web. In this case, the information is not sent to the individual DX'er as e-mail, but he has to find it himself, e.g., by using the browser programmes from Netscape or Internet Explorer. The information is still free of charge, but he has to stay longer on the Internet to get it, thus the telephone bill will be higher than when receiving e-mail.

Most of the biggest international and domestic broadcasting stations have their own home pages and you are often able to find their current frequency schedules and programme schedules there.

Many DX Clubs also have their own home pages which contain a lot of information relevant for DX-ers. The home page of the Danish Shortwave Club International has this URL (Uniform Resource Locator): www.doswci.dk.

A few other useful websites are:
The European DX Council: http://www.sxw.net/edc/
Cumbre DX: http://www.cumbredx.org/
Links to radio-stations around the world: http://www.radio-portal.org/
Clandestine Radio: http://www.qsl.net/ylbmr/clandestine/
Interval signals: http://www.claire-lm.dk/dxrr/index2.html
Actual Grey Line List: http://www.dxq.nl/dxpropagation/greyline.html
Solar Terrestrial Activity Report: http://www.4x2com/solar/

The third aspect of the Internet, I will mention, is Real Audio. By using advanced technology, the broadcasting stations nowadays are able to transmit their radio programmes via the Internet. If the owner of a Personal Computer has the software required, he or she will be able to hear the radio programmes in good quality directly in the loudspeakers of the computer, even if it comes from the opposite side of the world.

Many hundred, maybe more than a thousand broadcasting-stations in all continents can be heard via Real Audio today. Some Shortwave Listeners prefer this instead of hearing the stations on short-
wave with all its disturbances. But remember again that the telephone bill will be high as you pay for every second being on the Internet.

Several international broadcasters have even reduced their shortwave broadcasts for instance towards Western Europe, because they can be heard better nowadays via Real Audio or Satellite which often are distributed through our cable networks with perfect quality.

This spring, when I edited the second edition of the Domestic Broadcasting Survey, I made some observations which I wish to share with you concerning the still declining trend in the number of active frequencies of Domestic Broadcasting Stations in the Shortwave Bands between 2200 and 5000 kHz.

During the period 1973-1997 452 stations out of 1136 being on the air in 1973 disappeared from these SW bands or an average of 19 closing down per year. But in 1997-2000 the decrease has drastically increased to 212 stations or 71 per year!

There are still some 472 Domestic Broadcasting Stations to hunt for on the Tropical Bands and at the same time interfering broadcast and utility stations are disappearing. So do not give up your DX-ing on the Tropical Bands!

But pessimistic views that most Domestic Broadcasting Stations on the Tropical Bands may have closed down by year 2007!

The biggest decrease in the number of stations using the Tropical SW Bands during the last three years was noted throughout Asia and in Southern Africa.

The main reason for this is that FM-networks are still growing in most parts of the world and replacing the need for shortwave transmitters. Today, the majority of Domestic shortwave transmitters can be found in developing countries with vast areas where it is too expensive to establish a network of FM-stations that can cover the whole country.

I have just given you a quick introduction to what the Internet today offers to the DX-er who have access to that from a Personal Computer at home or at work, or at a library or a CiberNet office.

It is evident that the Internet as a new media is able to provide DX-ers with useful information much faster than the printed DX-bulletins.

But the Internet also offers so many other challenges to the user like surfing on the home pages or playing games, that he or she may easily find this more interesting than the traditional hobby of DX-ing.

Let me now speak about the core of the subject of my lesson: The influence of the Internet on DX Clubs.

At the annual Conference of the European DX Council which took place in Copenhagen, Denmark last November, the European DX-Club Representatives discussed this issue, but did not reach any conclusions. The question was raised: "Is there still a need for all the national and local DX Clubs in Europe, and for the European DX Council itself?" Somebody suggested that the clubs merge across the borders to be able still to publish printed DX-bulletins.

I will use our experiences in the Danish Shortwave Club International as an example, but the situation is similar in many other DX-Clubs in the world.

First the falling interest for shortwave listening, especially amongst young people who are more attracted by the Internet and other challenges.

During the last several years, the DSWCI did loose about 25 members per year, but two years ago we lost 30 and last year it was 49. This is a serious development, so in April this year we issued a questionnaire to our members in order to analyze the situation. 75 members in 20 countries have answered the questionnaire, and I will now give you the results of that:

Those who answered had an age of 27 to 87 years. The average age was 52 while it was 49 at our survey two years ago. 95% of our members are above 30 years of age and 81% above 40. This again confirms that it is very difficult to attract younger people to our hobby.

Today 76% of our members have access to the Internet. Two years ago was only 38%. It is fantastic to note that this number has doubled in just two years!

However, this new media gives us much competition. First of all, it can offer so much information from all parts of the world and much entertainment, that the DX-hobby with all its disturbances becomes much less attractive.

Secondly, the time a DX-er spends in front of his Computer cannot be spent in front of his DX-receiver. Thus in most cases, less time is devoted to DX-ing.

Thirdly, DX Clubs are competing on

Internet to bring the hot DX News, and several do that free of charge. For some DX-ers this is unaffordable for their DX-ing, and they drop Club membership. Particularly our treasurer has noted that and we had a big deficit in our Club economy 1997.

Our monthly magazine, Shortwave News, normally had 32 pages, but this year we have had to reduce every second edition to 16 pages in order to save printing and postage costs.

You might ask: "Why do we not issue bulk orders and just send out an electronic version? That would save a lot of money to print and postage!"

Unfortunately, it is not that simple. 24% of our members have no access to the Internet and that equals to 82 paying members. We cannot just neglect them by ceasing printing SWN and only publish via the Internet. Furthermore 11% have only limited access to the Internet.

In the questionnaire we asked them to mention their preferences on how the Club shall provide them DX-information in the future. 95% of our members prefer a considerable increase in membership fee in order to get a SWN of at least 32 pages 12 times a year, but most will accept a mix of hot news via the Internet and some kind of a reduction in the publication of SWN. However, in their letters many feared that publication of SWN only every third month would be too rare. It is remarkable that even amongst those with full access to the Internet two thirds still want to receive the printed SWN. On the other hand, 19% wish to receive SWN only via the Internet for a lower membership fee and not in printed form.

About half of our members wish to receive a weekly newsletter via the Internet (like the DX-Window) in order to get the DX-news before they get too old.

About half of our members also wish to be kept informed about new addresses of radio related homepages. This would be most relevant to publish on our homepages.

As a consequence of these results of our survey, the DSWCI Annual General Meeting in May decided to put all pages of "Shortwave News" on our homepages on the World Wide Web. Our members will then get a personal username and password, and then be able to read our members' bulletin via the Internet.

A special, reduced membership fee is now introduced for those members who just want to get SWN electronically via our Homepage and not in printed version.

Conclusions:
1) Electronic mail is replacing letters sent via the ordinary postal services.
2) Electronic mail is the fastest way to distribute DX-information. In extreme cases, you can get the e-mail while the new station is still broadcasting.
3) Digital editing of DX-bulletins is much easier than using the typewriter.
4) Most radio stations and DX-Clubs have their own home pages on the Internet.
5) Many radiostations broadcast in Real Audio via the Internet which makes Shortwave broadcasting, old fashioned.
6) Generally, the DX-information on the Internet is free of charge.
7) Most European DX-ers have access to the Internet.
8) A majority of these DX-ers spend more time in front of their Personal Computer and less time in front of their DX-receiver.
9) Several DX-ers find the free DX information available on the Internet sufficient for their personal DX-ing and they quit paying membership in a DX-Club.

From NRC's DX Audio Service ... 'After Dark 9' Now available, it includes longer articles not able to be included in normal DXAS programs ... including John Bowker's "1400 Travelling", "Sex and Deception", "Screening Calls", "A Visit to WODI-1230", "Radio from L. P. B," and much more. Two C90 tapes in a cassette case, only $5.00 postpaid to members in the United States, $9.00 to non-NRC DXAS members. Other areas, please write for pricing. Order from NRC Publications - Box 164 - Middletown, NY 13661. NY orders, please add sales tax.