

DX News

Serving DX'ers since 1933

Volume 68, No. 3 - October 23, 2000 (ISSN 0737-1659)



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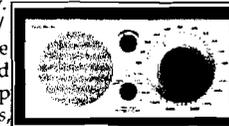
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From the Publisher ... I don't think you'll find as much variety contained in this issue in ANY radio magazine, thanks to the efforts of our editors and contributors. Highlighting this issue is coverage of the 2000 NRC Convention in Lima by John Malicky, 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 Kewpie'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 Musings every week or so. There are indications that this season may be a classic, as there have been many reports influenced by auroral conditions already.

DXChange ... From Jim Renfrew - 6988 Bank Street Road - Byron NY 14422-9702 <renfrew@localnet.com>. I'm clearing out the closet. The following editions of *DX News* - chock full of DX tips, strategies, technical articles, and club history - are available: Volumes 39, 45, 50-62 complete. I can also throw in Volume 37:30 & 32, Volume 38:1,31 & 32, Volume 43:24, Volume 44:11-30, and Volume 49:11-30. Also available are the *NRC Domestic Log #'s 4, 5, 6, 7, 8, 12?* ("1992"), 13, 17, 18 (two copies), and 19; *NRC Latin Log* (1971); *DX Ontario* FEB 1990 through DEC 1999; *VHF-UHF Digest* (World TV FM DX Association), JUL 89 through DEC 1995. Make me an offer for any or all of the above (including postage)!

New Radio ... Via Glenn Hauser ... Henry Kloss has just come out with a new table radio that is superior to the Model 88 for only \$99; go to <http://www.tivoliaudio.com/index.html> for more info; also <http://www.tivoliaudio.com/info.html>. If anyone has one of these and would like to write up a review for *DX News*, kindly contact the publisher.



Classic Walnut

RDS List ... From John Zondlo: "I'm in the process of putting together a list of North Ameri-

can FM stations that use RDS for my website, FM DX Web. If you have a receiver with RDS capability, or the Conrad RDS Manager, I would be most appreciative if you would send me a list of your area stations that use RDS and what the readout is. Hopefully I'll have the list up on the website within the next week. Thanks! <<<http://members.aol.com/fmdxweb>>>.

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 Reilley, Jamestown, NY, opined that "These TT's on for hours make me lose my temper and my religion." He reported a station on 1400 kc/s 0400-0430 on October 14 replaying the same record without announcing, and that 1150 kc/s 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 0556-0600 at 30 o/S9 ... Gene Allen, Vallejo, CA, again led the list of DX'ers in Foreign DX Achievements with 60 stations from Oceania, the best being 2K0-1410 Australia at 500 watts.

10 years ago ... from the October 22, 1990 DXN: Catches in September reported by Don Trelford, Scarborough, ON, included KEAB-1110 with TalkNet, WJJD-1160 with *Great songs, great memories, 1160 WJJD*; and WACK-1420 Newark with a Yankees' pre-game show.

AM Switch

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

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

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	WJPI
1590	WHYT	MI Marine City	WHLX

APPLICATIONS / GRANTS FOR NEW STATIONS

None

APPLICATIONS FROM EXISTING FACILITIES

780	WPNP	FL Mulberry:	500/370 U4
880	WTZY	NC Fairview:	5000 D1
990	WHOO	FL Orlando:	50000/14000 U4
1030	KLLU	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 rand reinstated)
1310	WTZN	PA Troy:	1000/72 U1
1320	WBRT	KY Bardstown:	1000/44 U1
1400	KXGF	MT Great Falls:	680/680 U1

GRANTS TO EXISTING FACILITIES

630	WMFD	NC Wilmington:	relocate transmitter
690	KRCO	OR Prineville:	1000/77 U1
1150	KXTA	CA Los Angeles:	50000/44000 U4
1150	KQQQ	WA Pullman:	25000/210 U2
1190	KVCU	CO Boulder:	6800/110 U1
1230	KFPW	AR Fort Smith:	relocate transmitter
1230	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	LA Lake Charles:	relocate transmitter
1450	KHIT	NV Reno:	relocate transmitter
1460	WRKB	NC Kannapolis:	2000/194 U1
1470	WSRO	MA Marlborough:	7000/5000 U4
1510	KVCI	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	WJMW	PA Bloomsburg:	license CANCELLED, call DELETED per licensee's request
580	WLES	VA Lawrenceville:	station is SILENT
670	KIRN	CA Simi Valley:	CP to change to U3 is ON
680	KLDY	WA Lacey:	station is SILENT
990	KXXL	TX Wichita Falls:	silent station is ON THE AIR
1040	KCBR	CO CP for 15000 (CH 2000) D1 is ON	(corrects U1 shown in Issue #1)



1150	CKX	MB Brandon:	station is SILENT, now on 101.1 FM
1400	WANI	AL Opelika:	CP to relocate transmitter is ON
1560	WSQR	IL Sycamore:	application for 198/210 U2 has been DENIED
1570	WNSH	MA Beverly:	application for 5000/500 U4 is DISMISSED
1600	WHJB	PA Bedford:	application for 2500/28 U1 DISMISSED per applicant's request

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 with the new and improved system. As you might have guessed, the words "new and improved" when applied to anything at the FCC generally mean "worse than before" and this is no exception. At the present time the new system is totally unusable. In the "search by call" mode we entered "WNIO" and got the file for KWRT instead. Entering "WBBW" brings up the file for KMVL. Using "search by frequency" we entered "1000 kHz" and got a page of 980 kHz stations in the Caribbean and Mexico. You might want to play around with this "new and improved" system, as it produces some really amusing results. Just don't expect to get the information you seek. 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.

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

Jimmy & BK F

Musings of the Members

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

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

John D. Bowker - 1811 Ft. Duquesna Dr - Sun City Center, FL 33573 (wa2wen@juno.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 says 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 rock 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 around and around with them until one of the fellows said that he often flew a Piper Cub into Stapleton and never had that trouble. "Oh? What brand of equipment are you using?" He named the brand. A 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 he had a problem. It was about replacing all those radio systems. In fact, RCA found a way to retrofit a fix that cleaned up our equipment so the Singing Hills of Colorado were no longer enjoyed by pilots coming into Stapleton.

It may not be perfect ...

but the NRC AM Log is, simply, the best there is because of your contributions. Why not make the next edition even better? Send all corrections and changes to
Wayne Heinen - 4131 S. Andes Way - Aurora, CO 80013-3831, or nrclg@aol.com. Thanks!

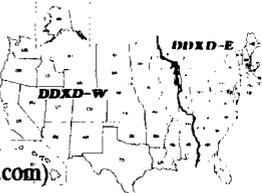
Domestic DX Digest

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(Division line is
between East and
Central time zones)



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

DDXD-West

MEDIUM WAVE RAMBLINGS

- ◇ 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 KLTT 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 your own! Check out all of the Graveyard DX records on-line, at: www.angelfire.com/tx2/phantom2/index.html

REPORTERS

- CB-AK1 Craig Barnes on vacation in Alaska: NE corner of the Chugach State Park, approximately 20 miles NE of Anchorage Delco AM/FM radio in the rental car and a Sony 2010 supplemented by a MFJ 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
- CB-AK4 Craig Barnes On Highway 3 near Summit same equipment
- PG-CO Patrick Griffith Westminster Drake R-8 & Palomar loop <AM-DXer@webtv.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 <nancyjohnson@uswestmail.net>
- BK-CA Bob Karchevski Sunnyvale R8-A/two long wires/MFJ-1026mw <karchev@worldnet.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 <wcmfort@dakota2k.net>
- JJR-WI John J. Rieger South Milwaukee FRG 100, Kiwa loop and MFJ959B tuner-preamp <johnjrieger@webtv.net>
- KR-AZ Kevin Redding Mesa Realistic DX 440 and RS 18-1533 loop <kwdxer@juno.com>
- MS-MB Morris Sorensen Winnipeg Drake R8 with McKay Dymek DA-9 loop <urbanat@hotmail.com>
- JW-CO John Wilkins Wheat Ridge Drake R-8, 4-foot box loop, SuperRadio II <peakbagger3@juno.com>

STATION NEWS & NOTES

- 1140 KCLE TX Cleburne - 10/7 2058 - Texas Tech vs Baylor game on the Red Raider Network. Legal ID 2159: You're tuned to Country Gold Radio 1140 KCLE Cleburne - Alvarado - Joshua and back to game. Game ended at 2212, followed by immediate sign-off announcement. Generally fair with QSB and XEMR QRM. New, for Texas #151 and ex: 1120. (JW-CO)

WSJM AM 1400
The News Station

UNIDs and UNID HELP

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

DX AND EQUIPMENT TESTS

- 1430 KEZW CO Aurora - 10/10 0310 - Occasional ITs noted during regular NOS format. Turned carrier off a few times, too. One-on-One Sports station consistently punching thru in KEZW null, probably KQLL 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-AK?)
- 1610 KOE700 AK Denali National Park - 9/8 1300 - With This is KOE700, 1610 AM, The radio voice of the Denali National Park and Preserve and National Park info loop. (CB-AK4)
- 1670 WNEG268 CA Sacramento - 9/24 0849 - Mentions of www.wattave.org, and phone number of 978-977?. Did mention location in Sacramento, so I guess GJ-CA'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-CA)
- 1680 TIS CA Lake Tahoe - 9/24 0852 - Very strong into Garberville, this really gets out. (MH-CA1)

MIDNIGHT TO MIDNIGHT ELT

- 550 KTZN AK Anchorage - 9/8 1250 - Strong, with KTZN, The Zone, and ESPN sports news. (CB-AK4)
- 580 KRSA AK Petersburg - 9/6 0945 - Fair, with REL programming; mention Petersburg. (CB-AK3)
- 590 KHAR 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 1310 - 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 (tentative; only heard slogan). (CB-AK1)
- 630 KIAM AK Nenana - 9/8 1500 - Good, with Voice of the Wilderness, at 630 on your AM radio dial, Radio station KIAM. A listing of translators and www address. This is KIAM, Nenana. (CB-AK4)
- 630 KIDO ID Boise - 9/24 0202 - Tuned in just in time for an ID. (MH-CA1)
- 650 KENI AK Anchorage - 9/1 1100 - KENI Forecast weather report From your official weather station, 650 KENI. (CB-AK1)
- 660 K FAR 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-AK?)
- 750 KFQD AK Anchorage - 9/5 0930 - With 750, KFQD, and a political call in talk show. (CB-AK1)
- 770 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)
- 790 KFYO TX Lubbock - 10/10 0840 - With ID and Consumer Reports spot about SUV 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. C&W 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 NPR 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 KXLY 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)



- 950 KXTQ TX Lubbock - 10/10 0855 - With an ID coming out of the soup. There was a LOUD about 250 kHz het on this frequency today. I generally hear #60 from Denver here. (KR-AZ)
- 970 KIAK AK Fairbanks - 9/8 1330 - Strong, with AM 970, *The Ticket*, and sports news. (CB-AK4)
- 980 KRTX TX Rosenberg-Richmond - 10/6 2058-2102 - High school football game play-by-play broadcast, with ID at the top of the hour. Dominant over usual KMBZ. First time heard. (BM-SD)
- 980 KRTX TX Rosenberg-Richmond - 10/6 2117-2126 - Fair and steady, with local high school football (Diggers vs. ??), several call letter IDs: ... here on KRTX Radio, local ad mentioning "Interstate 10". New. (CK-CO)
- 1020 KAXX AK Eagle River - 9/5 1030 - Strong, with KAXX, *Anchorage's best sports, The Axe*. One on One sports, sports call in talk show. (CB-AK2)
- 1070 KFDI KS Wichita - 10/3 2338-2343 - Fair, in KNX null, with C&W music, ID: ... on AM 10-70 KFDI. Surprised to hear this late at night! (CK-CO)
- 1080 KASH AK Anchorage - 9/5 1000 - Strong, with KASH, *Anchorage, Alaska, 1080 AM. It's the cash that counts*. Business news, stock market report. (CB-AK2)
- 1110 KEORP OK Atoka - 10/11 0835 - With Oklahoma News Network stories. (KR-AZ)
- 1170 KJNP AK North Pole - 9/8 1400 - Strong, with *You've just heard the latest news from the AP wire and the newsroom of KJNP. This is your gospel radio voice of the North, KJNP AM & FM, North Pole, Alaska*. REL programming. (CB-AK4)
- 1170 WMRH WI Waupun - 9/29 2020 - Good, with *Waupun Warriors* High School football. (JJR-WI)
- 1190 KXKS NM Albuquerque - 10/9 0604-0703 - Nulled KEX and was able to hear *La Super Equis* with Ranchera Music. VID (in SS) at 0630 (gave time in CDT) and at 0651. Only music at TOH. New! Probably using 10 kW day power (NRC Log shows 24 watts at night). (BK-CA)
- 1210 KRSV WY Afton - 10/6 2200 - Star Valley vs Worland Warriors High School football. No CLs heard, but was definitely local to the Star Valley team. Internet search revealed Star Valley is in Afton, and they were in fact playing Worland, Wyoming that day. (MH-CA)
- 1220 CJOE AB Lethbridge - 10/7 0058-0107 - Good, over XEB (no sign of local KLVZ), with C&W music, ID: *Southern Alberta's favorite country, CJOE*. Weren't they supposed to be moving to FM as of last year? (CK-CO)
- 1230 KVAK AK Valdez - 9/6 0900 - Strong, with *CNN News on your hometown station, 1230 AM, KVAK*, and local weather. (CB-AK3)
- 1230 KOTS NM Deming - 10/8 0259 - ID noted in QRM: *America's best ... KOTS Deming, New Mexico* and into news, but soon lost. Heard next night, too. New catch, for New Mexico #62. (JW-CO)
- 1260 KJAZ CA Beverly Hills - 10/6 0845 - Jazz music, legal ID at about 0845. Needed for call change; ex: KJQL. (JW-CO)
- 1310 CHLW AB St. Paul - 10/7 - Fair-to-good, in KNOX null, with country music at 0058. ID at 0100: ... *servng St. Paul, ???, and ???* (missed names of two other towns given) *this is 1310, CHLW*. (MS-MB)
- 1350 KTIK ID Nampa - 10/6 2134 - High school football and local ads. (MH-CA)
- 1360 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)
- 1370 WCCN WI Neillsville - 9/29 2017 - Poor, with calls and NOS. Over WSPD. Not common. (JJR-WI)



- 1380 KUVR NE Holdredge - 10/9 2107 - Jim Croce and Maryanne Faithful songs. *Memories 13-80* slogan, then *Cover-land Birthday Club* 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 0130-1034 - 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 Siegle*. (CK-CO)
- 1450 KLAM AK Cordova - 9/6 0930 - With CL ID, AC music, song by *Traveling Wilburys*. (CB-AK3)
- 1450 KVSI ID Montpelier - 10/6 2125 - Ads for *Three State* something, ID, and high school football. (MH-CA)
- 1470 KEAN TX Abilene - 10/5 2058-2102 - 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-SD)
- 1470 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)
- 1490 KTTR MO Rolla - 10/5 2200 - ID: *KTTR, AM 1490, Rolla* clearly heard through a jumble of other stations. Local KBSR still off the air. (NJ-MT)
- 1490 KNDC ND Hettinger - 10/3 2354 - Poor-to-fair, with country music and IDs as *KNDC AM 1490*. (MS-MB)
- 1630 KKWY WY Cheyenne - 10/6 0136 - With the best signal I've heard since they went on the air. Frequent 16-30 KWY IDs and country music. (PG-CO)

GRAVEYARD DX UPDATE

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

1490 kHz:

Call	State	City	Notes	Miles
KWAC	CA	Bakersfield	Nancy Johnson	*905
KTTR	MO	Rolla	Nancy Johnson	1016

DDXD-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). To those contributors who do, allowing me to simply cut-and-paste your loggings: Luv ya, man! This week is TIS/HAR week, as we have reports from several NRC'ers on these penny-whistle DX treats. And notice the almost-congruent loggings on 1600: can you say, "Oops - we forgot to flip the switch again?"
- From Mike Hardester: "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 Seafood Festival...can we say cold, wet, windy and miserable?! Tuned to 1610 to see if we could hear the Newport NWS rebroadcast on 1610, and noted the unID Carolina Beach has a TIS, but I've yet to hear/ID it.

UnID and Presumed

- 970 unID ? ? - 10/8 1943 - Bruce Williams Show (WM-MD)
- 1230 unID ? ? - 10/7 2200 - Nostalgia music; femal saying ID, which sounded like WCRS/WCRX/WCRS (WM-MD)
- 1280 WIPC FL Lake Wales - 8/25 2147-2208 - 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 - 10/6 1028 - Presumed with Radio Disney (WM-MD)
- 1360 WHNZ FL Cypress Gardens - 8/16 2128-2155 - UC music, ad for NET TV, poor, under unID SS (DT-JAM)
- 1450 WOCN FL Miami Beach - 9/10 1953-2014 - Talk show in FF, poor. (DT-JAM)
- 1490 WDUR NC Durham - 10/4 0940 - believed the one w/ID for "Oldies 100.7." Finishing Paul Harvey report and to local spot. (MH-NC)

WRJN AM 1400
 News talk for Racine & Kenosha
 4701 VICTORY AVENUE • RACINE, WI

Tests

- 1180 WJNT MS Jackson - 9/30 0100-0200 - Listened from 0100-0300, but not a sound only VOA and Cuba doing battle. Both are heard at once down here and wonder what earthly good they are doing. (DT-JAM) Not heard, just Spanish station under WHAM. No loss, as it was verified in 1997 (SK-PA)
- 1660 WMIB FL Marco Island - Missed this one as DX News did not arrive until after test. Not needed; they are like a local here at night. (DT-JAM)

Loggings

- 550 WDUN GA Gainesville - 10/7 0600 - News at top of hour, followed by legal ID, mention of visiting their website for local news. Fair signal (RCP-IN)
- 560 WGAI NC Elizabeth City - 10/7 2100 - ID; Internet address; then CNN Radio News (WM-MD)
- 590 WLVA VA Lynchburg - 10/6 2005 - High school football game; ad mentioning VA also heard (WM-MD)
- 620 WDAE FL St. Petersburg - 10/12 0000 - Very strong, old "WSUN, The station that always leaves the seat up (woman screams). 620 WDAE Tampa Bay Sports Channel" FL #2. (SC-IN)
- 650 WNMT MN Nashauk 9/28 2357 - Break on ESPN. Ads for arts and crafts store; cruise with Ken Baker giving phone number "262-4545 or WNMT.com". Never heard at night before. Fadey signal over WSM. (SK-PA)
- 850 WTAR VA Norfolk - 10/06 2035 - "Newstalk 850", ID; then, the Michael Reagan Show (WM-MD)
- 860 WGOM IN Marion - 10/15 07:59 - ID into religious program with poor audio (distorted). (FV-OH)
- 900 CHML ON Hamilton - 10/11 2250-2300+ - Dr. Laura Schlesinger; spot for px The Garden Club; "Hometown Radio 900 CHML"; Fair o/WFRO (HF-MI)
- 900 WFRO OH Fremont - 10/11 2250-2300 - Very eclectic mx mix; Call ID @ToH; Poor u/CHML (HF-MI)
- 910 WEPG TN South Pittsburg - 10/6 2045 - High school football game, mention of South Pittsburg (WM-MD)
- 910 WSTK NC Jacksonville - 10/8 1935 - Local ads, mention of Jacksonville; then Black gospel music (WM-MD)
- 920 WOKY WI Milwaukee - 10/6 2244-2254+ - Up w/SID & "We're celebrating 50 years in 50 days"; quickly taken over by CKNX; Poor (HF-MI)
- 920 CKNX ON Wingham - 10/6 2244-2254 - "From Harrison to Monkton, we're your country, CKNX", "Country 9-20 CKNX" (thought I had a new NB there!); Focus on the Family & Howard Community Center spots; Good o/WOKY (HF-MI)
- 970 WJMX SC Florence - 10/8 2105 - PSA for National Guard; promo for local even; laser sound; promo for Dr. Joy Brown, "Newstalk 970" (WM-MD)
- + WGTK KY Louisville - 10/15 08:15 - Better than usual signal, anncr: "...Traffic and weather together on AM 9-70 WGTK". Threw me till I checked AMS v67#30. (FV-OH)
- 1020 WRIX SC Homelands Park - 10/7 1735 - "The best of southern gospel heard right here on WRIX." Steady but weak signal until eventual fade out. KDKA not heard. (RCP-IN) 1030 WTCK TN Memphis - 8/29 2212-2248 - Local call-in talk show, ID as "You are listening to 1020 (?? - pls) WTCK", poor, int unID SS (DT-JAM)
- 1070 WINA VA Charlottesville - 10/6 2049 - Discussion of VA high school football (WM-MD)
- 1150 WGBR NC Goldsboro - 10/6 - 2052 - High school football game; mention of Goldsboro (WM-MD)
- 1180 WJNT MS Jackson 9/30 0100-0200 - Test started promptly at 0100, Morse Code ID's followed by several "News Talk WJNT 1180". Station ID's very good signal; WHAM barely heard and way over Cuban station. (RCP-IN)
- 1210 KGYN OK Guymon - 10/13 0330 - WPHT phased, fair consistent signal, "It's better than a box of cookies, afternoons on high plains, proud KGYN All country all night long", stopping only for weather forecast, station ID. Searching for KLDI. (SC-IN)
- 1230 WFVA VA Fredericksburg - 8/27 0201-0225 - OLD, John Denver, ID in part as "...WVVA...", poor (DT-JAM)
- + WCMC NJ Wildwood - 9/30 2300 - Break in Phillies coverage, locallike at times. Full ID "The Home of the Phillies at the Jersey Shore". (HJH-PA)



- 1260 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 2048 - All alone on channel w/coverage of GA Bulldogs vs Tenn. 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, Carpeting and Appliance and the Greenbrier County Octoberfest. Seemed to drop out at this time. (HJH-PA)
- 1320 WZMZ FL Hollywood - 9/16 2112-2142 - Talk show in FF, poor (still need their new address) (DT-JAM)
- 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 WRCC GA Columbus - 10/7 1925 -.Ad for Freeway Ford at Exit 6 of I-185. Good and alone w/coverage of the GA Bulldogs at Tenn. game. Mention of WRCC.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 overtaken by probable WRCC. (HJH-PA)
- 1440 WGIG GA Brunswick - 10/7-8 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 loudly with MYL type format. Promo for "Sports Wrap-Up". (HJH-PA)
- 1520 WEXY FL Oakland Park - 9/4 2121-2136 - GOS, Community nx, ID as "WEXY 1520", poor, int SS (DT-JAM)
- 1540 WOGR NC Charlotte - 9/29 1900 - Partial ID through WPTR: "AM 1540 WOGR" (SK-PA)
- 1550 WBSC SC Bennettsville - 10/6 1945 - Start of high school football game; mention of Marlboro County (WM-MD)
- 1570 WGSR FL Fernandina Beach - 9/3 2341-2352 - NOS or OLD ID, in part as "The new 1570, WGSR", fair (DT-JAM)
- + WXLN IN New Albany - 10/8 0200 - ID, "The Word", into southern gospel music. (WM-MD)
- 1600 WPNT MA East Longmeadow - 10/2 1929 - Live DJ, "... That's David Bowie on a 3-play on Rock 102." Mentioned tickets 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 as,"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 - 10/1 2305 - End of ABC News. PSA for Church of Latter Day Saints. Canned ID: "Newstalk 1480/1630 WRDW. Set your dial for the new, better signal." Very wavy and nearly smothering KCJJ. It's the same to lose this good station. Canned ID at 0100 by the same guy who does them for WBT, "News, talk, and sports. 1630 WRDW Augusta". Then ABC News. Now perfectly clear. (SK-PA) 10/5 1820-25 - New X-bander heard with sportstalk and a couple of local ads/PSA's atop the channel (RJE-PA) 10/7 0355 - Station Promo: "The new WRDW broadcasting a new signal on 1630." Then into a sports talk program way over usual KCJJ. First time heard with fantastic signal. (RCP-IN) 10/5 2000 - Good with "News, talk, sports 1630 - WRDW Augusta ... a Beasley Broadcast Group station", into ABC news. (SF-TN)
- 1660 KQJD ND West Fargo - 9/3 1928-2013 - OLD or NOS, poor int WWRU, WMIB off the air. Thought it was KXOL, but did not know this one was on (a little closer!) (DT-JAM)



Are you expiring?

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

- + **WWRU NJ Elizabeth - 9/3 1930-2004** - Talk show in SS, Unica ment, fair, KQJD in background. (DT-JAM)
- 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. (RjE-MD)
- + **WVU4 MD Edgewood along I-95 - 10/9 0820** - Usual announcements about chemical weapons cleanup (say WHAT?? -pls), including phone # and website. This one is indeed the one I heard from west of West Chester PA 8/16, as the phone number matched. (RjE-PA)
- 1220 **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-83 at Hunt Valley w/ generic traffic annc. (RjE-MD)
- + **WPEP712 MD Havre de Grace vicinity - 10/9 1330** - Strong along I-95 w/ traffic problems ahead, and were there ever! (RjE-MD)
- + **WQO719 PA Kennett Square - 10/9 1410** - TIS for Longwood Gardens (on Rt. 1) heard reasonably well on I-95 crossing the DE/PA border. (RjE-DE/PA)
- + **WPEI435 NJ Carney's Point- 10/9 1410** - Traffic advisory for heavy delays on Delaware Memorial Bridge from I-95 DE/PA border mixing w/ WQO719. (RjE-DE/PA)
- + **WPNG255 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 Intl 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. Sign still up advising to tune to 1610. (MH - NC)
- + **TIS UNID ? - 10/8 1500** - Noted while in Morehead City, NC. W announcer in soft-spoken voice. Repeating loop, but only clear words I heard each time were "...on 1610 AM." Not certain if in Morehead City or an adjacent area. Carolina Beach? Mild QRM from HAR at Camp Lejeune. (MH - NC)
- + **WNJW446 NC UNC Chapel Hill - 10/4 0945** TIS noted w/ M announcer mentioning upcoming events and phone numbers. In a couple of minutes travel, became dominant o/ WPNG255. (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 **KNNH263 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 - NC)
- + **WNZE748 NY ROOSEVELT ISLD - 10/11 0913** - Usual rebroadcast of NOAA Weather Radio KWO35 (162.55 mHz) (RjE-NJ)
- 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 "WPNK" and mention of "1630 AM." Noted in Greensboro area, along I-40W. (MH-NC)
- + **WPCD802 PA Philadelphia Airport TIS - 10/9 1355** - Surprisingly very readable from I-95 and Rt 7 near Christiana, DE. (RjE-DE)
- + **KNAA585 NY Jamaica - 10/11 0910** - Announcements about construction affecting access to different terminals (RjE-NJ)
- 1640 ? ? ? - 9/26 0322-0342 - Cont. tape, ment fee of \$40, parking available near River-

- side Dr, sounds like airport info, perhaps American Airlines, Dallas? (Very likely -pls) (DT-JAM)
- + **WPMG676 NJ Monmouth Beach - 10/11 0920+** - Alternating series of local events announcements (some over a month old) and also rebroadcast of NOAA's KWO35 in between. No ID's heard. (RjE-NJ)
- 1680 **WPNY994NC Garner area - 10/4 0854** - HAR noted along I-40W, w/M announcer w/road construction information from NC Department of Transportation. Excellent level. (MH-NC)
- + **WPNY994NC approaching Mebane area weigh station - 10/4 0953** - HAR noted along I-40W, with road construction info from NC Department of Transportation. (MH-NC)
- 1700 **KNAA585 NY JAMAICA - 10/11 0900** - Traffic reports for all over the surrounding area (RjE-NJ)
- Addresses, Formats, Stereo*
- 740 **WNOP OH / 10/14 1400** - Jazz music with announcer "Cool Jazz 7-40" into listing of events in suburban Cincinnati. Weak under WJYM 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 @ 08:00 in the parking lot of Harris Corp in Mason OH) (FV-OH)
- 910 **WGTO MI Cassopolis** - now broadcasting in AM Stereo, according to station officials. (BT-IN)
- 1230 **WBVP PA Beaver Creek** and
- 1460 **WMBA PA Ambridge** ...format, network and parallel info needed on this pair by Wayne Heinen for the next Log.
- 1430 **WLTC FL Panama City** - Not at address as shown in Log, no explanation on returned envelope from P. O. (DT-JAM) Address in Log 21 is invalid (SK-PA)

Contributors

- | | | |
|--------|------------------------|--|
| SC-IN | Steve Chappell | McCordsville, In. 3 Terminated loops, Bearcat DX-1000 |
| RjE-XX | R. J. Edmunds | Blue Bell, PA, car radio and whip, in various locations |
| SF-TN | Steve Francis | Alcoa, TN - TRF, Select-a-Tenna |
| HF-MI | Harold Frodge | Midland MI - Drake R8B + 85'/215' RW's, 125 ft. single loop
Bearcat 600XLT + RS Discone |
| MH-SC | Mike Hardesty | 1996 Toyota Camry w/ fender 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 | Cheverly, MD - DX 398 |
| RCP-IN | Robert C. Pote | Greenwood, IN - Drake R8A and KIWA Loop antenna |
| BT-IN | Blaine Thompson | Ft. Wayne, IN |
| DT-JAM | Don Trelford | St. Anns Bay, Jamaica - Kenwood R2000, NS/EW longwire |
| FV-OH | Fred Vobbe | Lima, OH - Buick car radio |

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

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



International Jim Renfrew renfrew@localnet.com

DX Digest

6988 Bank Street Rd.
Byron NY 14422-9702

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

"Waist-deep" - that's not a plumbing problem, it's Mark Connelly's frenzied swimming in a sea of Latin American stations. Get out your galoshes and water wings for this week's column!

Please note my new postal address. 6988 Bank Street Rd., Byron NY 14422-9702. My e-mail address is still the same, but until I get a new computer my access to my server is every third day or so.

My neighbor hasn't picked the corn yet, so no longwire 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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TRANS-ATLANTIC DX

- 153 NORWAY NRK, Ingøy, OCT 1 2046-2058 - new 100-kW long-wave station located in northern Norway (71° 06'N, 23° 50'E); initially poor in Norwegian mixing with Algeria, but at 2055 dominant with item about Canada; SIO 333. Thanks to Bernt Erfjord in Norway for the early notice on this one. OCT 6 2130-2212 - special program in EE and Norwegian to celebrate this new transmitter in Finnmark; initially beneath Algeria and Germany, but better around 2200 with SIO 333 [Burnell-NF]
- 657 ITALY RAI Radio 1 synchros, OCT 1 2233 - mixing with Spain; Italian news, "Noturno Italiano" began at 2236; SIO 322. [Burnell-NF]
- 684 UNID, OCT 2 0213 - weak talk. [Renfrew-NY]
- 738 SPAIN RNE Barcelona OCT 1 0115 - Poor; talk in Spanish and instrumental music // 774, het against WJIB and VOXM on 740. [Conti-NH] OCT 2 0214 - weak het. [Renfrew-NY]
- 783 MAURITANIA R.Mauritanie, Nouakchott OCT 1 0040 - Fair; telephone talk, then Koranic recitations, 0100 sign-off with distinctive anthem. This is now heard often, even when no other transatlantic signals are present. Should be an easy target for inland DXers. [Conti-NH] SEP 23 2023, 2101 - talk in local language, drums and African music at 2026; at 2101 tuned in to news in Arabic; // 4845.40; SIO 444. Thanks to Marc DeLorenzo and Bruce Conti for spotting this, and to Mauno Ritola (Finland) for first ID'ing it. [Burnell-NF]
- 1188 HUNGARY R. Free Europe/VOA, Marcali, OCT 1 2059 - RFE in Serbo-Croatian with ID's, then at 2100 EE announcement "Voice of America in Serbian" followed by news; SIO 333. Thanks to the many European DXers who reported this by E-mail. [Burnell-NF]
- 1214.88 ALBANIA R. Tirana, Fillakë, SEP 23 2131 - EE program with frequency announcements and news; SIO 433 over Virgin R. [Burnell-NF]
- 1314 NORWAY Kvitsoy, OCT 3 2330 - Best signal in ages, usual mix of Norwegian talk and English and other pop music. Noted on and off until past 0230. [McLachlan-MB]
- 1332 ENGLAND ClassicGold 1332, Gunthorpe, SEP 23 2234 - multiple ID's and oldies music; SIO 243. [Burnell-NF]
- 1349.94 GREECE ERA, Pyrgos, OCT 1 2104 - surprise catch; Greek announcements, interval signal, then Greek music. This 4-kW station was better than 981, with which // was later established; SIO 333. [Burnell-NF]
- 1385.92 GUINEA R. Rurale, Labé, SEP 23 2117 - ads in French and then in a local language for something called "Shambo;" SIO 444. [Burnell-NF]
- 1431 ENGLAND "The Breeze," Rayleigh, OCT 1 2218 - Promo for "The Double Decade Show...on Breeze" then old pops; SIO 332 [Burnell-NF]
- 1431 ITALY RAI Radio 2 synchros, OCT 1 2222 - these low-power synchros faded up over The Breeze with the end of an interview then into music; SIO 322. [Burnell-NF]

2CR
TWO COUNTIES RADIO LTD

- 1458 ENGLAND "Big 14-58 AM," Ashton Moss, OCT 1 2159 - yet another name for this Manchester station; ads, ID, then into Independent Radio News; SIO 333 with QRM from other Brits. [Burnell-NF]
- 1484.55 ANGOLA EP do Kuanza-Sul, Sumbe, SEP 23 2039-2100, 2140-2204 - initially rap and dance music, PP ID's with ridiculous reverb, later DJ was taking phone calls all in PP, he finally mentioned the location (Sumbe) at 2201; SIO 232 to 343 with QRM mainly from Santander. [Burnell-NF]
- 1521 SAUDI ARABIA Dubai, OCT 2 0318 - Just blasting in with Koran. [Dangerfield-PA]
- 1530 VATICAN, OCT 2 0257 - Very strong. Over/under WSAI. Man in Slavic lang. [Dangerfield-PA]
- 1539 GERMANY Mainflingen, OCT 2 0314 - Good with choir singing. [Dangerfield, PA.]
- 1548 KUWAIT VOA, OCT 2 0220 - Strong and clear. EE news commentary. [Dangerfield-PA] OCT 3 2355 - VOA in English. Editorial commentary until 0000 then VOA News Now. Best at 0000 but still understandable through 0130. No actual site ID heard but Kuwait appears to be the only VOA transmitter on 1548. [McLachlan-MB]
- 1557 FRANCE Nice, OCT 2 0320 - Radio Bleue, good signal. Man in FF. [Dangerfield-PA]

PAN-AMERICAN DX

- 550 VENEZUELA Mundial, Caracas, OCT 3 0421 - through WGR with "Mundial" slogan shouted several times. [Renfrew-NY]
- 555 ST. KITTS ZIZ Basseterre, OCT 8 0449-0505 - Good with soca music, man in EE, BBC News at 0500, BBC music program "Rock Round the World" at 0505 [DeLorenzo-MA]
- 610 COLOMBIA R.Dif.Nacional de Colombia, Uribe OCT 9 0430 - Good; "...frecuencia de la Radio Difusora Nacional de Colombia," folk music. [Conti-ME]
- 610 TRINIDAD & TOBAGO ICN Port of Spain OCT 9 0425 - Fair; BBC World Service // 5975. [Conti-ME]
- 630 PUERTO RICO La Súper Cadena (WSKN), San Juan, SEP 24 0818 - couple of ID's through CFYI and other junk; SIO 332. [Burnell-NF]
- 670 VENEZUELA R.Rumbos, Caracas OCT 9 0232 - Excellent; "En Radio Rumbos, la emisora de Venezuela, diez, treinta dos minutos," salsa and merengue music. [Conti-ME]
- 690 ANGUIILLA Beacon, OCT 7 0022 - Gene Scott religious program. [Renfrew-NY]
- 700 BRAZIL R.Nova Eldorado, Sao Paulo OCT 8 2240 - Good; woman in Portuguese with Eldorado mention, urban contemporary music. [Conti-ME]
- 700 VENEZUELA R.Sur, Puerto Ordaz OCT 9 0237 - Good; "la senal gigante" ID, merengue and urban contemporary music. [Conti-ME]
- 720 VENEZUELA R.Oriente, Porlamar OCT 8 2300 - Excellent; "Desde Porlamar, isla de Margarita... transmite Radio Oriente, 720 AM," promo for Realidades program on "Radio Oriente, la senal de Venezuela." [Conti-ME] OCT 7 0029 - Heard with "La Hora Oriente" announcement. [Renfrew-NY]
- 720 JAMAICA RJR Kingston, OCT 8 0545-0600 - Strong and alone on channel with live remote from a local nightclub with DJ interviewing various patrons. Obviously simulcasting FM as frequent IDs "RJR 94-FM" and "RJR 94-FM in the house." Best signal ever from this station! [DeLorenzo-MA]
- 730 BRAZIL Emissora Rural (ZY1780), Petrolina, SEP 24 0045 - PP talk, ID at 0050; SIO 242. [Burnell-NF]
- 750 BRAZIL unID OCT 8 2315 - Guitar instrumental waltzes under RCR Venezuela. [Conti-ME]
- 750 VENEZUELA YVKS Caracas, OCT 9 1001 - fair-good over nulled WSB with string of "RCR" promos, into news magazine show with alternating man and woman reading news items. Lead story was about the Venezuelan president's "guerra a muerte contra la corrupción". RCR stands for "Radio Caracas Radio". How's that for "la redundancia"! [Brooker-ON] (The place where I work is called "Stone Church Presbyterian Church", and none of us get confused! Jim)
- 760 MEXICO XEABC México, OCT 4 1058 - blasting in over WJR with choral version of Mexican national anthem, then "XEABC La Megasytema" ID. Signal was so strong that I did not have to null WJR. [Brooker-ON]
- 780 MEXICO XEMF Monclova, COAH SEP 10



NOTICIAS - DEPORTES - MUSICA

- 0345 - ROM & pop music from bygoneeras; slogan 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 "XEMS". Apparently ex-970. This one not listed anywhere. XE #157 here. [Wilkins-CO]
- 780 PARAGUAY R. Primero de Marzo (ZP70), Asunción, SEP 24 0136-0143 - SS talk about football, ID at 0142. [Burnell-NF]
- 800 NETHERLANDS ANTILLES PJB R.Transmundial, Bonaire OCT 9 0259 - Excellent; "En 800 del dial, el mensaje diferente a través de Radio Transmundial, desde la isla de Bonaire, Antillas Holandesas" and inspirational music. [Conti-ME]
- 850 PUERTO RICO WABA La Grande, Aguadilla OCT 8 0300 - Fair; "850 AM... Waba, la grande" and Latin American nostalgic vocals, over/under WEEL. [Conti-ME]
- 850 BRAZIL R. Caraiba (ZYH474), Senhor do Bonfim, SEP 23 2305 - PP sports, muddy ID so let's call this tentative; SIO 332. [Burnell-NF]
- 860 BRAZIL R.CBN Rio de Janeiro OCT 8 2330 - Fair; assumed this with news in Portuguese. [Conti-ME]
- 860 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]
- 870 VENEZUELA Puerto la Cruz OCT 9 0025 - Fair; "En Barcelona, Puerto la Cruz, ... 870 AM," Latino pop/salsa, frequent time checks. [Conti-ME]
- 870 ARGENTINA R. Nacional (LRA1), Buenos Aires, SEP 23 2300 - faded up over two unID Brazilians, pips, news from Buenos Aires; SIO 333. [Burnell-NF]
- 880 MEXICO XETC 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, "Estereo Mayran" slogans and program notes. Good signal in KRVN null. [Wilkins-CO]
- 880 VENEZUELA R. Paraganá, Punto Fijo, OCT 7 0057 - extensive identification announcement. The last syllable of the slogan is most definitely accented! [Renfrew-NY]
- 890 VENEZUELA R.America, Valencia OCT 9 0040 - Poor; shouting Radio America IDs heard through R.Progreso-Cuba. [Conti-ME]
- 890 UNID .SEP 24 0929 - SS romantic music, "La Nueva Amor 8-90" slogan. Anyone know what this is? (I suspect a station west of Venezuela...or a USA station.) SIO 344 but faded away very quickly. [Burnell-NF]
- 900 BARBADOS CBC Bridgetown OCT 9 0050 - Good; announcers in Caribbean-accented English with Guatemala vs. Barbados football play-by-play. [Conti-ME]
- 900 VENEZUELA Mara Ritmo 900, Maracaibo OCT 9 0108 - Fair; "Muy pronto, Mara Ritmo 900" and Zulia mentions, "hora de Venezuela" time checks, accordion/cumbia music, over/under Barbados. [Conti-ME]
- 920 COLOMBIA Cartagena OCT 8 0218 - Poor in SAH; sign-off "...desde Cartagena, Colombia" with anthem, then off-frequency SAH gone leaving Venezuela in clear. [Conti-ME]
- 920 VENEZUELA YVQX Porlamar OCT 8 0230 - Good; continuous bachata music, many equis IDs. [Conti-ME]
- 930 URUGUAY CX20 R.Monte Carlo, Montevideo OCT 8 0250 - Fair; "CX20 Radio Monte Carlo" IDs, full ID "...transmite CX20 Radio Monte Carlo, Montevideo, republica... Uruguay" over/under domestics. [Conti-ME]
- 940 PUERTO RICO WIPR San Juan OCT 9 0115 - Good; political talk, "emisora... Puerto Rico" and "en Puerto Rico" mentions, over Venezuela. [Conti-ME]
- 950 DOMINICAN REPUBLIC R.Popular, Sto Domingo OCT 9 0138 - Good; lottery numbers, "El Noticiero Popular... Radio Popular" promo, salsa and merengue. [Conti-ME]
- 950 ARGENTINA R. Libertad (LR3), Buenos Aires, SEP 24 0219 - "presumed" since no ID, but long list of addresses in Buenos Aires; briefly SIO 332 but then getting chewed up by CHER. [Burnell-NF]
- 950 CUBA R. Reloj, OCT 7 0114 - What a difference 30 miles makes. The local on 950 is now nullable, and so I could hear this one with the usual time clicks and morse code ID's. [Renfrew-NY]
- 990.02 ARGENTINA R. Splendid (LR4), Buenos Aires, SEP 24 0841 - "Splendid, una emisora con historia" slogan before a tango; SIO 343. [Burnell-NF]
- 1000 BRAZIL R.Record, Sao Paulo OCT 9 0150 - Good; assumed this with a preacher in Portuguese. [Conti-ME]
- 1000 VENEZUELA Mundial Mil, Moron OCT 9 0200 - Fair; "sintonia de... Radio Mil AM" and salsa fading in over Bra-



- zil. [Conti-ME]
- 1000 MEXICO, XEFV, Cd. Juarez, CHIH, SEPT 30 0432-0444 - Spanish, very good and steady signal with occasional "growl" from another station slightly off frequency. Musica ranchera and slogan as "La Rancherita". Announcer with "Buenas noches, continuamos....", then local ad. [Knight-CO]
- 1000 MEXICO, XEOY, Mexico, DF, OCT 5 0305-0315 - Spanish, fair with musica romantica, 4-noted whistle and "Es Rad-yo Mil" jingle by child. QRM from XEFV and another XE giving "Radio Formula" slogans. [Knight-CO]
- 1000 MEXICO HJDN Pasto, SEP 26 2148-2201 - sports talk, Texaco and Pepsi ads, ID as "Radio Pasto, fair, WMVP interference. [Trelford-JAM]
- 1010 MEXICO, XEHL, Guadalajara, JAL, OCT 7 0135-0140 - Spanish, fair over all with musica ranchera and "La Poderosa 10-10 AM" slogan. [Knight-CO]
- 1020 VENEZUELA Mundial Margarita, La Asuncion OCT 9 0210 - Excellent; "Margarita primera en sintonia... a Mundial," Latino pop music. [Conti-ME]
- 1030 DOMINICAN REPUBLIC HIRL Santiago, AUG 28 2206-2238 - male announcer with news, singing "Radio Cadena Noticias", fair under KWKH. [Trelford-JAM]
- 1050 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]
- 1050 MEXICO XEQOO Cancun, SPE 26 0037-0055 - American pop music in EE, "Radio Pirata", Corona ads. [Trelford-JAM]
- 1060 COLOMBIA R.Delfin, Riohacha OCT 7 2200 - Fair; jingle and ID, "Transmite Radio Delfin, HJLY, en la bande AM" with fanfare into program of exitos. [Conti-ME]
- 1070t VENEZUELA YVMA Maracaibo, AUG 29 0125-0200 - LA and US pop music, no ID but Venezuela mentioned, fair. [Trelford-JAM]
- 1070 COLOMBIA Emisora Atlantico, Barranquilla OCT 7 2214 - Good; jingle and time check, romantic vocals. [Conti-ME]
- 1070 MEXICO, XEOBS, Ciudad Obregón, SON, OCT 2 0501-0508 - Spanish, fair peak thru KNX with musica ranchera, ID: "Estas escuchando a XEOBS, La Potrilla (or similar)", mentioned "Ciudad Obregón, Sonora". Did not hear the familiar "Radio Mexicana" slogan. [Knight-CO]
- 1080 VENEZUELA R.Barcelona, Barcelona OCT 7 2216 - Excellent; "En Radio Barcelona, siete dieciseis," merengue music. [Conti-ME]
- 1080 MEXICO, XEDY, Mexicali, BCN, SEPT 30 0420-0426 - Spanish, poor to fair signal with musica ranchera, one mention of Mexicali and "Radio Gallo" slogan. [Knight-CO]
- 1090 VENEZUELA Union Radio, Caracas OCT 7 2217 - Excellent; "Union Radio Noticias con mas informacion" and news. [Conti-ME]
- 1100 ANTIGUA ZDK St. Johns, SEP 24 1932-2022 & SEP 25 0000 - evening church service from St. ??? Anglican Church and religion program. This twinged me to Antigua, as I don't think there are too many Anglican churches in the USA. AT midnight, Gospel music, ads, Carib-accent. [Trelford-JAM]
- 1110 VENEZUELA R.Carupano, Carupano OCT 7 2225 - Good; "La emisora de la buena suerte" slogan, ads, announcements, IDs, over unIDs. [Conti-ME]
- 1120 BRAZIL R. Rural (ZYK274), Porto Alegre, SEP 24 0155-0208 - many ID's, coverage of a special event in São Gabriel; SIO 344. [Burnell-NF]
- 1130 VENEZUELA R.Ideal, Maiquetia OCT 7 2259 - Good; ad for supermercado in Maiquetia, "1130 AM... Ideal romantica" into light adult contemporary music. [Conti-ME]
- 1140 VENEZUELA La Voz del Caribe, Porlamar OCT 7 2305 - Fair; "desde Margarita... la Voz del Caribe" over an unID merengue music station. [Conti-ME]
- 1150 ARGENTINA "R. Continental," SEP 24 0829 - no "Continental" listed here, but I strongly suspect that R. Brigadier López (LT9) must relay the Buenos Aires station; ID with web address, pips and time at 0830, news with lots of Olympic results; SIO 443. [Burnell-NF]
- 1160 BERMUDA VSB3 Hamilton OCT 7 2310 - Good; BBC World Service news // 6175, over an unID religious station (Caribbean Lighthouse-Antigua?). [Conti-ME]
- 1160 COLOMBIA HJBL Barranquilla, SEP 24 0031-0052 - LA pop music, ID as "Radio Aeropuerto", fair. [Trelford-JAM]
- 1170 COLOMBIA CARACOI, Cartagena OCT 7 2315 - Fair; Caracol ID in futbol play-by-play. [Conti-ME]
- 1180 CUBA Radio Rebelde, La Habana, SEPT 30 0330-0411 - Spanish, good, steady signal, coverage of the Olympics, Cuba vs. Russia, "Radio Rebelde" ID @0411UTC. QRM



- from a Radio Disney (KOIL?). [Knight-CO]
- 1190 VENEZUELA 1190 AM Estereo, Barinas OCT 7 2326 - Fair; many "hora de Venezuela" time checks, "estereo" mentions, accordion/cumbia music, over/under WLIB. [Conti-ME]
- 1200 VENEZUELA R.Tiempo, Caracas OCT 7 0151 - 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; "Emisora Radio Tiempo... exactamente las nueve de la noche," mentions of distrito federal and Falcon, talk about television entertainment. [Conti-ME]
- 1200 BRAZIL Ceará R. Clube (ZYH585), Fortaleza, SEP 24 0209 - time check, ID, and then talk about television; SIO 444. [Burnell-NF]
- 1220 BRAZIL R.Globo, Rio de Janeiro OCT 8 0028 - Fair; Globo jingles, whistling, man in Portuguese, and Billy Idol song over an unID Latin American station. [Conti-ME]
- 1239.98 VENEZUELA R. Nacional (YVNV), Punta Tumatey, OCT 6 2232 - program promo, "RNV Popular" ID; SIO 333 [Burnell-NF]
- 1250 BRAZIL R. Metropolitana (ZYL367), Vespasiano, SEP 23 2343 - religious meeting, ID's; amazing SIO 444 with some QRM from the usually much stronger CBN station. [Burnell-NF]
- 1250.04 BRAZIL R. CBN (ZYI218), Vitória, SEP 23 2348 - woman with "CBN" ID, talk about elections; SIO 332 with QRM from R. Metropolitana. [Burnell-NF]
- 1260 MEXICO, XEWGR, Monclova, COAH, OCT 2 0200-0227 - Spanish, fair peaks with musica ranchera and musica tropical mixes, "Radio Ranchito" slogans thru KVSF and KWYR. [Knight-CO]
- 1280 BERMUDA VSB2 Hamilton OCT 8 0037 - Fair; assumed this with religion over unID Latin American and domestic stations. [Conti-ME]
- 1290 VENEZUELA R.Puerto Cabello, Puerto Cabello OCT 8 0040 - Good; classic salsa by El Gran Combo de Puerto Rico, then "Atencion! Atencion!... de Radio Puerto Cabello donde esta la noticia" with fanfare into news. [Conti-ME]
- 1300 PUERTO RICO WTIL R.Util, Mayaguez, AUG 24 2238-2258 - LA pop music, ID as "Radio E-Euti" (?), poor. [Trelford-JAM] OCT 8 0106 - Fair; "Desde Mayaguez, esta es WTIL Radio Util, 1300 kilohertz" and romantic music, over an unID Latin American easy listening music station. [Conti-ME]
- 1340.07 BERMUDA ZBM2, Hamilton, OCT 6 2218-2231 - financial report, sung ID at 2222, sports, then program in PP at 2230; SIO 243 [Burnell-NF]
- 1350 COLOMBIA HJHL Ibague, JUL 19 2100-2127 - talk show, ID as "Radio Norte" and "Festival", poor. [Trelford-JAM]
- 1370 COLOMBIA HJNI Sinceljo, AUG 16 2112-2159 - Talk show, ID as "Caracol", fair. [Trelford-JAM]
- 1410 BRAZIL R. São Gonçalo (ZYH467), São Gonçalo dos Campos, SEP 23 2156-2215 - religious-sounding PP talks, some mellow music, ID at 2211; SIO 333. Thanks to Henrik Klemetz and Rocco Cotroneo for confirmation of the ID. [Burnell-NF]
- 1420 MEXICO XEH Monterrey, SEP 11 0011-0052 - LA pop music, "ranchera", ID as "Rasio Tremenda", poor to fair. [Trelford-JAM]
- 1460 COLOMBIA HJVH Barranquilla, SEP 8 2141-2158 - LA pop music, ID as "Radio Uno", fair. [Trelford-JAM]
- 1460 COLOMBIA HJJW Bogotá, JUL 25 1906-1958 - LA pop music, "ranchera", ID as "Continental, Colombia", fair. [Trelford-JAM]
- 1480 PUERTO RICO WMDD Fajardo OCT 8 0140 - Fair; "Salsa con Clase" promo, local ads, pop/merengue music, over/under WSAR. [Conti-ME]
- 1500 VENEZUELA R.Dos Mil, Cumana OCT 0157 - Fair; Radio Dos Mil ID and romantic music over WTOP. [Conti-ME]
- 1510 DOMINICAN REPUBLIC HIBL Santo Domingo, AUG 2 2000-2022 - talk show then LA pop music, Santo Domingo mentioned. [Trelford-JAM]
- 1520 unIDs OCT 9 0340-0400 - Dueling Latin American stations, one with light inspirational music, the other with Spanish rock music and many 344-1520 telephone number announcements but no IDs. [Conti-ME]
- 1520 BRAZIL R. Musical (ZYJ499), Cantagalo, SEP 23 2331; 2358 0003 - Brazilian cover versions of 60's pop tunes, frequent jingle ID's; SIO 332. [Burnell-NF]
- 1520 COLOMBIA HJLQ Barranquilla, AUG 1 1908-2003 - LA pop music, ID as "Radio Minuto", fair. [Trelford-



- JAM]
- 1530t MEXICO XEUR Mexico City, JUL 31 2335-2350 - LA pop music, mention of Mexico, presumed. [Trelford-JAM]
- 1570 BRAZIL R. Asa Branca (ZYY798), Salgueiro, SEP 23 2355 - ads, ID as "Rádio Asa Branca, Rádio Povo;" SIO 333. [Burnell-NF]
- 1580 VENEZUELA YVRQ relay, unknown site OCT 8 0210 - Fair; merengue and salsa // 910 YVRQ. [Conti-ME]
- 1580.03 VENEZUELA YVTK?? SEP 24 0057 - promos for various TV soaps, Venez. music, ID's only as "RQ-910" so seems to relay YVRQ on 910; SIO 333. [Burnell-NF]
- 1600 BRAZIL R. Nove de Julho, São Paulo, SEP 23 2248 - PP talk, ID; SIO 242. [Burnell-NF]
- 1630 ARGENTINA Red 92, Buenos Aires OCT 9 0410 - Good; mix of Spanish and US pop music, including Spanish remake of Mouth & Mac Neal "How Do You Do?" [Conti-ME]
- Marc speaks:* "Various other LA's noted during this opening but not ID'ed. 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. And so far, Mauretania-783 hasn't made it to this location. Used to get them regularly on 1349, but rarely with the strength they seem to put into the Connelly-Conti-etc. area. I 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 KIWA pocket 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 had on 738. [McLachlan-MB]
- George speaks:* "All sorts of European hets between 0015 and 0100. A few had some audio (864,1098,1188,1206,1386) but nothing ID-able. No TP hets at dawn other than 738."

INTERNATIONAL NEWS

- CHINA: 1377 CNR-1 noted from 2000 and until 1732 with a good signal on this channel. This appears to be a new highpowered transmitter in Western China. In the Geneva Plan, 1377 was assigned to a synchronised network in Tibet using a total power of 121 kW. This station has also been widely heard in Western Europe, but since 11th September is wiped out by France. (Olle Alm) I've heard it widely from many locations from India to Malaysia, and I suspect the location is most likely somewhere in SW China. Reception is often at similar strength with the other new CNR-1 channel, 1593 kHz, so I suspect they may be coming from the same general part of the country. I have never been able to hear the station listed on 1377 directed towards Taiwan; generally the CNR-Taiwan and Haixia MW transmitters are not well heard in SE Asia, although I did manage to log most of them - but not 1377 - a few months ago, listening in Sandakan on the east coast of Sabah in Malaysian Borneo. (Alan Davies) I also observe that CNR-1 often gives strong signals on 1008 kHz, listed in WRTH99 with 10kW in Yunnan - I wouldn't be surprised if more power is actually now in use on this channel. Also last night I noted an 'echoe' signal on 576 kHz, also from Yunnan, which suggests that multiple transmitters are now being used on this frequency. I have not noticed this before on 576, although it's commonly heard on a number of regional networks in neighbouring Guangxi (notably 1224 kHz) where it appears that audio from some of the transmitter sites is slightly delayed, presumably some of them being fed by satellite. Last time I heard an ID on 576 (not last night), it was calling itself 'Yunnan Weixing Guangbo Diantai' (Yunnan Satellite Radio Station), a change from the WRTH listing. (Alan Davies) [ARC Info. Desk e-mail SEP 25]
- CUBA: G. Herley DeLeurere provides a copy of the Radio Reloj network list he received from the station with his QSL (indicating that their is indeed a 950 station Havana): 790 Pinar del Rio, 950 Cd. Habana, 910 Bolondrón, Matanzas, 930 La Jaiba, matanzas, 940 Central España, 570 Santa Clara, 930 Cienfuegos, 870 Sancti Spiritus, 610 Trinidad, Sancti Spiritus, 930 Ciego de Avila, 1270 Camaguey, 1010 Las Tunas, 940 Holguín, 920 Moa, Holguín, 830 Bayamo, Granma, 760 Las Mercedes, Granma, 950 Mayari Arriba, Santiago de Cuba, 930 Santiago de Cuba, 870 Baracoa, Guantánamo, 960 Guanánamo, 950 Isla de La Juventud. The letter is signed by Isidro Betancourt Silva, Director General <director@reloj.icrt.cu>.
- GERMANY: AFN schedules: <http://www.afneurope.army.mil/Ra->



dio/schedule.htm (schedule updated 27 July 00) [Steve Whitt via MWC e-mail news AUG 16 via ARC Info-Desk e-mail SEP 25] AFN Germany operates parallel programming on 1143, 1107 & 873kHz at night, apart from local community messages e.g. at 2351UTC when all three transmitters carried separate local community information for about 1 minute. This formed the first half of an advert break in the satellite fed country music show that AFN was relaying. The second half of the break was AFN networked so all transmitters were in parallel. The local information seems to be precise enough to positively identify the transmitter you are listening to. [Steve Whitt via MWC e-mail news AUG 13]

HUNGARY: Latest info indicate that the exact location of 1188 kHz TX is Marcali in Hungary, and as of 1600UTC today it will start relaying VOA/RFE programming in Serbian/SerboCroatian. All times below are in UTC. 0030-0230 A/ND NET RL-5 SC (RFE), 0230-0330 A/ND NET RL-5 SC (RFE), 0530-0600 A/ND NET E SERB (VOA), 0730-0800 A/ND NET RL-8 SC (RFE), 1600-1700 8 A/ND NET RL-8 SC (RFE), 1700-1730 INSERT 1188 A/ND NET E SERB (VOA), 1730-1930 A/ND NET RL-8 SC (RFE), 1930-2000 A/ND NET E SERB (VOA), 2000-2100 A/ND NET RL-8 SC (RFE),

2100-2130 A/ND NET E SERB (VOA), 2130-2400 A/ND NET RL-8 SC (RFE). [Bernd Trutenau (Vilnius) with info from Igor Pifat (Belgrade) via Christophe Mayer in *Medium Wave Circle* e-mail]

INDIA: 684 Recently I've been hearing very strong signals from AIR Port Blair 684 kHz, maybe the planned increase to 100 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 1555, when a news bulletin in what sounded like Assamese was carried, the only parallel frequency noted being Gowahati 4940 kHz. Then off 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 1512. 1134 The 1000kW transmitter near Calcutta on 1134 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: 612 R. Baltic Waves (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. Raça (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**, 1900-2030 RL. All prgrs are in Belarusian, times are summer UTC. The transmitter power is 100 kW; the transmitter location is Vilnius/Virsuliskes with a 2-mast phased antenna, gain +4dB at 30/200 deg (cardioid pattern). Email: <rbw@centras.lt>. *) timeshifted, **) repeat. [Rimantas Pleikys/RBW via BT in ARC Info-Desk e-mail SEP 25]

MADEIRA: RDP Madeira still is active around the clock with relays of RDP Antena 1 program on 531, 603, 1125 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 Emissor do Funchal transmits on 1530 kHz (// 1017 kHz Santana). 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 Porto Santo Island in a good signal quality. Estação Rádio de Madeira, which used to transmit on 1485 kHz (// 96.0 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 Info-Desk SEP 25]

MAURITANIA: 783 now noted on this new frequency after Syria and Saudi Arabia sign off (at appr. 2330 and at 2200, respectively). Their former frequency 1349 has been silent for a long time. [E&M Ritola via Paul Bowery, MWC e-mail news SEP 19 in ARC Info-Desk 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.mexicoradiotv.com (Fred Cantu's site), www.pp.dinet.fi/~ejh/radio/komex.htm (Esa Hänninen's KOMEX page), www.imer.gov.mx/estructura/estructura.htm (Grupo IMER - Instituto Mexicano de la Radio) www.cirt.com.mx/indice.html



(Camara Nacional de la Industria de Radio y TV). Other internet links can be found on the KOMEX 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 [Bernt Erfjord via BE in ARC Info-Desk e-mail SEP 25]

Press release from DX-Listeners' Club, 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 new Norwegian longwave site at Ingøy, close to North Cape in northern Norway. This 100 kW Telefunken transmitter will replace the 20 kW mediumwave transmitter at Vadsö on 702 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 on this special broadcast and background will be available on <http://www.dxc.com> around the 25th, so check this site regularly to be sure not 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, P.O.Box 7080 Vesttheiene, N-4668 Kristiansand, Norway. E-mail: longwave@dxc.com [Bernt Erfjord, DX-Listeners' Club via MWC e-mail news SEP 18, in ARC Info-Desk 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 XEX-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.emulateme.com/anthems/index.htm>. [Brooker-ON]

CORRECTIONS

"My recent 1586 item should have been 1566. Burnell is likely right, but all I have to go by is a 1998 WRTH log and a presumed guess (in this case wrong), but it seemed to be the only SS or PP on this frequency. Definitely a TA though." [Trelford-JAM]

CONTRIBUTORS

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ONE OF THE BEST LATIN AMERICAN OPENINGS EVER

On the evening of Saturday, 7 OCT 2000, 1 DXed from the Tonset Road DXpedition site in Orleans, Cape Cod, MA. What I experienced was one of those auroral propagation "feeding frenzies" for medium-wave DX from South America and the Caribbean. Early on (pre-sunset), Brazil-760 was coming over daylight 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 above 1210 kHz. Here are a few ex-



amples:
 1280 Bermuda ... loud !
 1290 R. Puerto Cabello, Venezuela
 1320 WUNO, Puerto Rico
 1380 Ondas del Mar, Venezuela
 1390 Fe y Alegria, Venezuela
 1550 R. El Sol, Colombia

I also had many unID's and tentatives in the above-1210 segment as well as multiple Latin Americans on most of the lower band channels. Most stations were identified but there were a few intrac-table waist-deep pileups 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 1050.0 Latin American wiped out WEVD as well. I heard LA's on channels where I've never noted them before: something on 1560 with WQEW, a 1510 Spanish talker challenging WNRB, etc. There were some hets never previously noted such as 1269.8 and 1510.51. Trans-Atlantics 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 Beverage is going to bring in. [Mark Connelly-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 Norway tx 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 that with a few coat-hangers pointing south I would have been hauling in major DX. Even 1340-CJLS, which normally dominates the freq unless one uses a pretty directional set-up, was inaudible. ZBM2 was alone except for some SS QRM. By the way, ZBM2 is on 1340.07 kHz these days, and I was very surprised to hear them go into a PP program at 2230 UTC. 1280: 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 SS rap and slick Latino music. [Jean Burnell]

DX'er's Notebook

Shared tips, topics, and Internet info

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You may have noticed on the front cover of No. 1 that Paul was "musing" about the future of DX tests. Well, many members on the listserv voiced their opinion on that:

Harry Helms <ak6c@earthlink.net>: The latest DX NEWS arrived today and Paul Swearingen raises an intriguing question on the front page: are DX tests an outmoded 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 Edmunds <wb2bjh@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 FCC. Both of these occurred some time ago, and both before the relaxation of ownership rules and its more recent visible results...

Patrick Martin <mwdxer@webtv.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 still are many CEs 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 <lwdxer@juno.com>: OK Harry, 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 tests are a vestige from the past and they will be completely gone soon. I like the tests, but I think they are gone the way of the flat top antenna.

Doug Smith <w9wi@bellsouth.net>: There will continue to be a few engineers who have the time and inclination to try these. It won't be as important as it was, but they'll still happen. I would disagree with the "odds of any test being widely heard are slim" comment. Morse Code IDs really cut through a crowded channel. (use Cuba's Radio Reloj as an example. You can hear that "RR" plainly even if the voice audio is completely buried in QRM.) Even the voice and music portions can be widely heard on the right channel. I definitely feel DX tests are still worthwhile from the DXer's standpoint, it's just a matter of finding stations that feel likewise<grin>. I'm actually surprised that frequency checks lasted as long as they did!

John D. Bowker <wa2wen@juno.com>: Kevin.. regarding DX tests at automated stations: Maybe we should track Jerry Starr's column closely, and when a station moves its transmitting site.. or changes its coverage pattern.. we should suggest that we have listeners all over the country who would be happy to report.. etc., etc. The station I was with for a couple of years in New Jersey went to an engineerless-transmitter but often had a person out at the transmitter during the first few days of our change — and all we did was switch to a new transmitter.

Kevin Redding: John, The idea about asking after seeing antenna and power changes in the column is a good one and I have done that. It may give a better yield if I did it more, but so far it hasn't been all 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.

Randy Stewart <jrs555t@smsu.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 hate 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.

John Tudenham <w0jrp@earthlink.net>: With tube transmitters and crystal ovens in 1970 frequency checks were very important. With new solid state, transmitters usually stay close to frequency (or at least suppose to) and frequency checks are usually not needed. A tone or morse code usually can be heard through the QRM and a good way of IDing a station. With all the 24/7 operation this is the only way we can hear a DX test.

Barry McLarnon VE3JF <bm@lynx.ve3jf.ampr.org>: Great - another reminder that newcomers like me have missed the Golden Years of AM DXing:-) DX tests may be few and far between these days, but I've had great fun (and fairly good results) with those that I've tried for. I spent many years chasing CW DX on the ham bands, so those Morse IDs are like music to my ears, and they really cut through the crud. You could argue, I think, that with the demise of clear channels and silent periods, DX tests are more needed than ever. Keep 'em coming, I say...

John Callarman <JohnCallarman@email.msn.com>: "The Golden Years of DX-ing" ended when virtually every station in the United States license for unlimited hours went 24/7. The golden PAGES of DX'ing ended when DX News went offset. There was one advantage to mimeographing DX News. It was possible to airmail IDXD editor Pete Taylor DX-ing results from Monday morning, have them arrive in his P.O. Box in San Francisco Tuesday night, have Pete's stencils typed and in Ray Edge's hands in time for the bulletin to be received by Saturday... or the following Monday at the latest. We - the overall BCB DX'ing community - have developed since the advent of universal NSP operations have developed antennas and filters that clear away a lot of the crud. DX-ing, thus, still has challenging possibilities. But it isn't as easy as it used to be. As far as DX tests are concerned, cheers for those who endure the frustration of stations who neither know nor care about DX-ers and keep trying to find those rare ones who will do something special to help us to hear them. Just because it's a lot harder is no reason to quit trying.

Anyone who is not on the listserv and would like to comment on this topic (or any others that appear here, or topics which haven't appeared yet!!) can send me an e-mail or a regular old postal letter, and I'll include them at the next opportunity. (Or, send a Musing to Dave Schmidt; your choice -pls.) My two cents worth on DX tests is that, properly done, they are very useful in logging hard or impossible to hear stations at your location - my best DX test results are two ND stations, one MT, and one CA, in addition to numerous stations closer that are normally too weak to hear without some kind of help. However, perhaps there needs to be a shift in which stations we pursue for testing (see the comments on facility changes above), and maybe even in

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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, no??

You also may have noticed in IDXD Bruce Conti's recent log of Uruguay on 930 (maybe in this issue). His posting of that log on the listserv brought the following:

Neil Kazaross <neilkaz@interaccess.com>: Congrats 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 <rfoxwor1@tampabay.rr.com>: The last CX I recall being heard in the US was CX28 Radio Imparcial on 1090 which would be occasionally heard on the one day a week that WBAL had it's silent period, they were AN. That may have been in the '60's certainly early 70's at latest I believe. They were heard by a number of DX'ers then, on occasional good mornings, and QSL'ed by some of them but unfortunately not by me. Was in NJ at the time. Russ didn't you get 'em?

Russ Edmunds <wb2bjh@nrcdxas.org>: No! Wish I had. I had several Peruvians during that time, and several Brazilians, but never got either Argentina or Uruguay. I'd be inclined to guess/recall it was Ray Moore or Bill Bailey...

Neil Kazaross: I'm well aware of logs of Imparcial in the 60's and perhaps early 70's but by the time I came on the scene in the later 70's the channel was occupied by closer LA's even when WBAL went off. This highlights one advantage that occurs for DSA's now the further east one goes. In general you get further from pests in Colombia and to some extent Venezuela and by getting up the coast of Maine you make Cuba a much weaker two hop signal. As an example, from Narransett RI in the late 70's early 80's I only heard a few Brazilians on a R390A/Sanserino Loop. The same set up in Ogunquit ME in 1983 resulted in 20 Brazilians in one night and when I got the Beverage up that improved on the best nights off course. I must have logged 100 Cubans from Narragansett, but from Ogunquit anything in Cuba that wasn't superpower was DX thanx to land blockage and more distance which meant that the low angle 1 hop sig wasn't receivable. Speaking of Brazilians and coastal DX, I had several nights where I left Narransett listening to Mundial on 860 and once I arrived back at my parent's home in Pawtucket there never was a trace. I heard absolutely no Brazilian or anything south of Ecuador from Pawtucket which was about 25 miles from the water to the south. I could regularly hear most of the Ecuadorian splits and in severe AU logged a 1 kW Colombian on 1600 and a 1KW Costa Rican on 1320, but DSA's forget em for me inland.

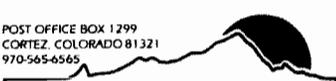
Russ Edmunds: Mundial-860 was my first Brazilian ever (from North Jersey) heard with HQ-150 and NRC loop, several times. Also got Brazil on 940, 980, 1180, 1280, 960, 1000 & 1100. 960, 980 and 1280 were probably the more exciting. My best SA still has to be Peru on 980, though which remains my only even-channel Peruvian. I guess my only 'DSA' would be Paraguay-645. Wish I could hear anything like that from here! I continue to hold out hope that one day I'll be able to outfit the family's summer cottage on the coast in Jonesport, ME with some gear and give things a try. I won't have adequate land for a beverage, but I could do some temporary longwires across the blueberry fields and some more permanent shorter wires in the trees. But that's probably a few years off, yet, sigh...

Mark Connelly <MarkWA110N@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 (Narragansett versus Ogunquit) I find that on the Cape a distance as small as about 15 miles from West Yarmouth, MA with water to the SE, S, and SW versus Orleans, MA with water NE, E, and SE and sandy-soil blockage in other directions makes a huge difference on the eastern Brazilians. Fortaleza and Natal area Brazilians act 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 Yarmouth. The big difference is that anything low angle from the SW (Cuba 1-hop for instance) sails into West Yarmouth unimpeded but gets "eaten up" by the sand en route to Orleans. The west end of the Powder Point Bridge in Duxbury, MA ranks as one of the "top gun" Brazil-gettin' QTH's because the shoreline runs to the south-southeast, cutting off Cubans and even some of the western South Americans. The Brazilians from the southeast 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 S9 there quite often. The Duxbury location is also superb for the Africans including Lesotho-1197 on several occasions and tentative South Africa-846 with WEEL-850 nulled with the loop-whip cardioid array. This

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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 is the antenna and receiver themselves. Put the best of everything together and east coasters call it Cappahayden (NF) and westerners Grayland (WA). Most are as we are aware of the accomplishments of the groups who visit these sites: DX you can only dream about at home.

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

John Callarman <JohnCallarman@email.msn.com>: If my tapes are still good from the 1964-65 DX season, I should have some material from Radio Carve in Montevideo on 850 kHz. Without digging out my old log books from my Pampa, Texas, days, I think I heard them about the same time I taped just enough of KICY in Nome to get a QSL for the taped report... ID was clear. Radio Carve, sad to say, did not confirm my report.

And, so we don't ignore the left coast, **Patrick Martin's** recent postings on the listserv have included some excellent TP catches from the west coast.

We'll finish off with some Internet news, beginning with **Blaine Thompson's Indiana RadioWatch: AC/WRSW-AM & FM (1480am, 107.3fm; both Warsaw)** will end their simulcast this month. The FM will continue its AC format while the AM will begin a sports format, airing ESPN Radio...WGTO (910am, Cassopolis, Michigan) is now broadcasting in AM Stereo...Artistic Media Partners' WAZY-AM (1410am, Lafayette) drops its simulcast of AC/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 Fybus's NorthEast Radio Watch** dated October 2, 2000:

WNTY (990-MA) 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 ADD Media station...Our engineering-minded friends have been perusing the FCC database as it slowly returns to being current, and it seems Framingham's WKOX (1200) and Waltham's WRCA (1330) are both contemplating sharing a new set of five towers at the Newton site of WUNR (1600 Brookline). It's not clear whether WKOX would be at the new site all day or only at night, and we're also told that WRCA's proposed 17 kW from the new towers wouldn't provide that much improvement over its current 5 kW in Waltham. We're hoping to know more about these applications, as well as WMEX (1060 Natick)'s power increase and site move (back to its old Ashland location) sometime soon...Wednesday marked the launch of New York City's newest all-news station. WNNY (1380) will have a staff of 50 people, comparable to its English-language competitors WCBS and WINS. Alejandro Guerrero is the news director at Mega's new entry into the Big Apple's increasingly crowded Spanish-language market...The Commission released a list of uncontested 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. New Hampshire finds Bob Vinikoor (of WNTK and yet-unbuilt WQTH fame) applying for 1490 in Lebanon as well. In addition, one Jeffrey Steven Wendell wants 540 in Jaffrey. We already knew about the Connecticut proposals: Fair Communications for 1590 in Oakville, and Dennis Jackson's 1490s in Torrington and

Uncasville and 1400 in Falls Village. Heading into Massachusetts, things start getting interesting. Remember our speculation that Alex Langer bought 1470 in Portage, PA (near Johnstown) with an improvement to WSRO Marlborough in mind? Seems he's applying to move WSRO to Watertown with a significant power upgrade...and to move the Portage station, WFJY, down the dial to 660 and an hour west to the Pittsburgh suburb of Wilkinsburg. (He's also applying to move WVFC 1530 in McConnellsburg PA a few hours east to the Philadelphia suburb of King of Prussia, and on 1180, to boot!) Also applying to change city of license to Watertown is Waltham's WRCA (1330) — related, perhaps, to the proposed tower move? In New York, Arthur Liu's WNYG (1440 Babylon) would move to Islip Terrace on Long Island. Michael A. Slezzer wants a new station on 1440 up in Gloversville. Long-unbuilt WKNJ (550 Lakeside NJ) wants to slide across the state line to Harriman, NY. And in the Syracuse area, WOLF Radio wants a new DeRuyter station on 780, WSIV (1540 East Syracuse) wants to move to DeWitt and 720, while Craig Fox's Renard Broadcasting wants to put a 1510 on the air in Mexico, near Oswego. We'll have technical details on all of these, we hope, when the applications are filed later in October.

If you know of any similar publications floating around that would offer news of interest to NRC members, let me know and I'll investigate. See you next time.

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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 wonder the idea of putting radios in barns came to mind. A big console with a big speaker 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 even 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 here 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 '30's 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 Dad had in his store was a Philco 51, 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 kind of wished for a set that I could tune around some and listen to Sioux Falls, Sioux City, Omaha, and other exotic metropolises.

When I was about 15, someone cleaning out their basement, attic, or garage offered me a RCA Radiola 60. 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 their 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, and wake-up again around 5 or 6, at which point it was acceptable to get up and start listening openly again. The 206 was quite heavy, and one day I was charged with forbidden listening as the imprint of the base on the flannel sheet 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 was 450, my burden of entrepreneurship allowed me time for high school, working in my Dad's general store before school, during lunch hour, 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 treated as an adult member of the community. I still remember many customers, what kind of car I put their groceries in, what brands they were partial to (Wheaties versus Pep; Post Toasties versus Kellogg's Corn Flakes; Folgers versus Butternut coffee; Luckies versus Camels) who they were related to, and some of their shopping 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 1956, as Dad had decided that he was tired of the long hours and intended to get out of

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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 a little time for that occasionally) and stated that as the sole reason for not selling it. I heard him say that occasionally, but it 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 instead of 70 per 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, pheasant hunting, rabbit hunting (the local creamery, a business dedicated to buying milk, eggs, and chickens paid 5 cents for cottontails and 25 cents for jackrabbits, which they in turn sold to a milk farm near the next town) trying to keep a car running, and church activities. But 3 or 4 nights a week found me in the radio shop, messing with electronic gear unless I had a guest in which case we played carom (up to 36 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 storeowner 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 tubes 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 "elmer" (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 *Mechanics Illustrated* magazines. I ordered catalogs from Allied, Newark Electronics, Lafayette, and Burstein-Applebee, 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 even if I did have it. Some of the things I remember ordering include a long-playing record of zither and cimbalom 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 acoustic guitar players were beginning to want to emulate steel and electric guitar players. At least once I ordered whatever I could afford whether I needed it or not. I ordered some items I needed, and had 4 cents left, so I ordered a 4 cent reducer for downsizing a dial light socket to work with smaller base bulbs. I can't imagine doing that now, but I did and my 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 looked for, found, and ordered something more expensive in order to use it up (or 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 Radionics 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 perusal 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 -pls.) 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 condenser 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 or for several evenings, but could not fix due to my 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 adventuresome 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-Fraser 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 usually 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, who 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 that 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 my 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 not been engineered for easy radio installation. As I was 6 feet tall, I had to fold my legs over the back

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 successful 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 for 65 hours weekly May to 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 for doing work valuable to someone outside the family, and having a legitimate 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 thinking of that small portion of my youth spent installing Kaiser and Fraser radios, it was a real treat in 1996, 41 years after the installations, to visit 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 1996, confined to his house by illness. I had talked to him only once before since 1956. This time I asked him why he hired me to install the radios. I assumed that 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 to him. 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 difficulty.

Most embarrassing moment in my radio repair career: leaning my hot soldering iron on the side of the plastic case of the clock whose line cord I was replacing. Nice looking clock until then. When hung, the damage wasn't too noticeable. I confessed, apologized, and you guessed it, charged him \$1 for the work. 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-natured fortunately, and later had me work on his living room console radio. In fact, he was a competitor of Dad, 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 the

WOLLENSAK KEYBOARD CONTROL MODEL 1500SS TAPE RECORDER

\$184.95

RECORDS 3 HOURS ON 7 1/2 INCH REEL

A marvel of compactness using miniaturized components and all-metal airplane construction. A superior magnetic tape recorder. Provides up to 3 hours recording time on 7 1/2 inch long play tape. 10 watts push-pull output is four times greater than ordinary recorders. Features keyboard control. Dual speed, operates at 3 3/4 ips and 7 1/2 ips. Includes meter, precision index counter.

Specifications: Frequency response: 40-15,000 cps ± 3 db @ 1/2 ips; 40-20,000 cps ± 3 db @ 3 3/4 ips. Both speeds, signal to noise ratio 48 db. Wow and flutter less than 3%. Operates from 110-125 V, 60 Hz. AC. Size 5 1/2 x 10 1/2 x 11 1/2.

Complete with dynamic microphone. 2 reels (one with tape). **\$184.95**

No. 310232, Shop. wt. 23 lbs. Net Each.



QUANTITY USES: Schools, Churches, Institutions write for special quotes for any Wollesak recorders in lots of 12 or more.

state for college.

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.

Most satisfying moments: every time plugging in a newly received used radio, 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.

Saddest moment; I hadn't paid much attention to shortwave because no one I knew was informative about it and medium wave DX was satisfying enough to me early in my radio years. But when I was about 11, the AK 206, which had several short-wave bands and therefore a fascinating dial, quit working. So I took all the tubes down to the local radio shop, with the idea of finding the inoperative one, replacing it, and then begin seeking short wave stations in earnest. I will blame junior high uncoordination for the sad 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 then and 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 conversant 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 low population state, and I always presumed then that 1600 to 1800 would be busy and fascinating in places like Chicago.

Most enchanting discovery: from a toy microphone someone gave me, I discovered that tube radios had an amplifier tube 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 usage enjoyment, one night I idly wondered if a phonograph cartridge connected to those prongs would allow a phonograph to be heard. In hindsight, 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 out alone and by logic, even if many people knew it all along, is a very pleasurable experience, and I suppose approaches the emotions inventors have.

My shop thereafter generally had a turntable connected to the Radiola on which I played some of my miniscule 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 consistently than a lot of radio signals but lacked the element of surprise I craved. I am somewhat more cynical about what I will hear on radio now or at least have lowered expectations.

A final note on my basement radio shop—I remember early 1950's Monday night radio programming 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 in 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 Lemac in the title. Camel sponsored the show. Lemac is Camel spelled backward, and the game involved the term "I'd walk a mile for a Camel". I believe that the Sauter Finnegan 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 then knew that any live theatre existed someplace beside in high school class plays. Lux Radio Theatre was interesting listening for me though. It consisted of current movies and plays, re-scripted 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



ELECTRONIC BONGOS

Battery-operated 3-transistor bongos circuit electronically produces the exciting pervasive sounds of high-pitched and low-pitched bongos, tom-toms, bass drum, marimba, gongs and clova, when used in conjunction with an amplifier and speaker. May be mounted directly on or near the instrument itself. Requires 9 volt battery. No. 20A1188. \$7.95. EC-1600. Lock.

pretty unbelievable now; I enjoyed many popular songs of the late 40's and early 50's and those great artists like Vic Damone, Perry Como, the Andrews Sisters, and Kay Starr. But I had no idea that songs like "Three Coins in the Fountain" and "Que Sera Sera" and many others had come from movies; I assumed that they were written solely for record companies).

Also for a time, Arthur Godfrey had a Monday night radio program, Arthur Godfrey and Friends. Godfrey was at the peak of his career in the early '50's. He was live on CBS Radio for one and one-half hours each morning, 5 days a week. Starting in the 1950's, 30 minutes of that was also simulcast on television. His morning show, opening with "Beautiful Dreamer," began in 1945 and ran until 1972, a whole lot of 90-minute slots. And he had a Monday night program very similar to his daily morning program. And he had a Thursday night program, Arthur Godfrey's Talent Scouts. The primetime programs were either 30 or 60 minutes each, and one or both may have been televised.

Today, 90 minute daily network programs are not unique; Rush Limbaugh, Dr. Laura, Howard Stern, Don Imus and others lasting up to 4 hours come to mind. But when Godfrey began his daily network show in the '40's, it was at a time when the typical daytime program was a fifteen-minute soap opera. And he was relatively entertaining. I didn't listen much to his daily show because of school and work, but I remember it as non-political, without interviewees, with some monologue, chatter with his regulars, and a lot of live music. He talked up his Virginia horse farm, his trips to Miami Beach (where the major thoroughfare is named after him), his Hawaii trips (at a time when few Americans got there), and his private plane flying experiences. Tony Marvin announced his program, and it had its own orchestra, led by Archie Bleyer. His vocalists included a Hawaiian, whose name I will attempt to spell as Halle Loki, and Julius LaRosa, whom he fired while on the air in a famous incident. Godfrey played a ukulele,

and sold many copies of the politically incorrect record, "She's Too Fat For Me."

Why did I like listening to him? Well, in that era somewhat freer of celebrity-dom than ours, he got a lot of press. It was kind of the thing to do, be aware of what he was up to, like Rush, Leno, or Letterman now. And his program was friendly, comfortable, humorous, and mildly unpredictable. It never touched on any political or social issues, or was even vaguely critical of any national or local figures. But I particularly liked him for his irreverent treatment of his sponsors. Due to his huge audience, he had a huge waiting list of would-be sponsors, in addition to the ones he already had. His sponsors were a soap, probably Rinso, Chesterfields, and Lipton. After doing wonders for Lipton's tea sales, he started on their then newly introduced product line of dried soups. Until dry soups, store-bought soups generally were Campbell and Heinz nationally. (Campbell won that contest years ago, when Heinz dropped their line of same size cans with similar red and white labels. Sorry, the grocery boy in me still shows sometimes).

With few exceptions, commercials were serious and performers treated sponsors with a lot of respect. Radio generally was dignified, except for comedy programs. But Godfrey was able, with his list of waiting sponsors, to appear to mock his sponsors, although in actuality I expect his comments helped move the product. For years I have been telling the story of the time I heard him praise the excellence of Lipton's vegetable soup in this fashion: "Six different vegetables. Yup, 5 rutabagas and a pea." To a high schooler, this was hilarious stuff.

And being a natural born dial twister, I also listened to the exotic (to me) Mexican stations, XERF, with a Del Rio, TX mailing address, and XELO, with Clint, TX mailing address. Ironically, in those days I listened to Mexican stations broadcast in English; now we hear a lot of U. S. stations broadcasting in Spanish.

I did a couple of other electronic tasks during high school. Four local churches alternated producing a devotional program aired over KORN, Mitchell, SD each Sunday. Every fourth week, I announced the production for our church and closed the tape with: "This has been the Bread of Life Hour, your announcer is Nard Ooms." And every Sunday morning, I selected a record to be played and amplified over speakers from our church steeple into the surrounding neighborhood for the 30 minutes preceding the worship service. For this I was rewarded by the celebrity created by a line in our weekly church bulletin: Tower Music Technician—Nard Ooms. In those days and at that time such an activity was considered fine or at least okay, and not noise pollution. No neighbors complained, although most of them were on the way to church by then anyway. Not many Sunday morning sleep-ins then in that town.

Well, to wrap it up, I graduated from high school in May, 1956; Dad sold the store in June, 1956; I worked for the new owner, who gradually closed our store and melded the business and customers

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 struggling 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 landfill, 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?

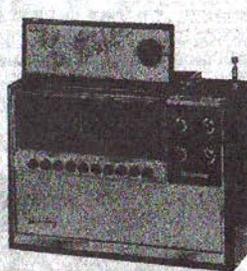
[Andy asked about the fate of Burstein-Applebee, which was located at 3199 Mercier St. - Kansas City, MO, just barely inside the line from Kansas, and down the hill from Signal Hill, where WDAF AM/FM/TV were all located at that time. The last BA catalog I possess is dated "1980", and I believe the store 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 goodly 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 on 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, Burstein-Applebee and most of the old-line electronics suppliers have followed the kerosene and white gas lanterns, outdoor three-holers, and iceboxes into history. But Andy, I still have my Radiola, a five-tube table model inside a handsome, solid walnut 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 pls.]

MIDLAND
NEW 8-BAND PORTABLE AC/DC RECEIVER



\$79.95

- FM (88-108 MHz); AM (540-1600 KHz); SW (3.7-9.0 MHz); SW (9-22 MHz); Aeronaut (108-136 MHz); Marine (1.2-4.5 MHz); Long Wave (150-550 KHz); High FSB (164-174 MHz)
- 15 transistors, 8 diodes, 1 thermistor
- 8 IFTs, 87 stops on FM and VHF bands, push-pull audio amplifier

Full listening coverage at an economical price! Receives FM/AM plus 2 Shortwave bands. Aircraft, Marine, Long Wave emergency band, and High FSB (remote weather broadcasts at 162.55 MHz). Convenient push-button PBT (push button) selector, dial light, and AFC switch. Meter and pinpoint fine tuning control. Fully variable tone. Sensitive superheterodyne chassis. Controls: on/off/volume, main tuning, fine tuning, tone, push-button band selector, dial light, AFC, AC/DC switch, jacks for earphone and external antenna. Operates on batteries or built-in hide-away AC cord. Telescopic antenna for FM and VHF bands. Black grained vinyl-clad cabinet with black, blue, and chrome metal, and chrome-color trim. Includes 4 "D" cells, earphone, AC cord, and 4"x6" speaker. Flip-up dial cover features coded world map. 1500 conversion dial. U.L. listed. Size: 9 1/2" x 4 1/2" x 3 1/2". Gross wt. 13 lbs. Net wt. 11 lbs. No. 864595. Each **\$79.95**

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

a). How to subscribe and unsubscribe.

Just send a message to the list of your choice in the following syntax. [list]-subscribe@nrcdxas.org to subscribe, and [list]-unsubscribe@nrcdxas.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@nrcdxas.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 moderator or the administrator to do it for you can take time. If the admin 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.nrcdxas.org/policy>.

b). List names and descriptions

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

FMTV@NRCDXAS.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.

FMTV-DIGEST@NRCDXAS.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@NRCDXAS.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@NRCDXAS.ORG: This is the Buy/Sell/Trade area. Anything radio related can be posted. Please, no MLM, adult, Amway, 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 the end of message so people can contact you.

GYDX@NRCDXAS.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.

IDXD@NRCDXAS.ORG: This is the International DX Digest (IDXD) authored 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 let you post 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.nrcdxas.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 the 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.nrcdxas.org>)

If for some reason you suspect there is a problem with NRC's web site, or mail services, contact the administrator at 419-228-4199. Voice mail is on when I'm not around. Best time to reach me is between 6PM and 9PM eastern time.

Need more information about AM DX'ing?
Mail a First-Class stamp to NRC Publications - P. O. Box 164 - Mannsville,
NY 13661-0164 and ask for the NRC Publications Catalog.

Domestic DX Achievements

Paul Swearingen plsBCBDXER@AOL.com
 2840 SE Illinois Avenue
 Topeka, KS 66605-1427

Domestic DX totals listed periodically in different categories

Name and location	Yr	Last Upd	TDH	SH	PH	DCH	TDI	ST	PT	DCT	TDV	SV	PV	DCV
Name and location	Yr	Last Upd	TDH	SH	PH	DCH	TDI	ST	PT	DCT	TDV	SV	PV	DCV
Geary, Kermit-e PA	26	2/92	5575	50	10	✓	2487	48	9	✓	5161	50	10	✓
Kramer, Robert-Chicago, IL	70	11/96	3803	50	10	✓	2733	49	10	✓	2010	49	10	✓
Cooper, Ernest-Cape Cod, MA	32	10/78	3601	48	10	✓	0	0	0	0	3601	48	10	✓
Steele, Sid-e IL	31	7/98	3400	49	10	✓	0	0	0	0	2994	49	10	✓
Krejny, Ed-nr Cleveland, OH	50	11/96	3265	49	10	✓	0	0	0	0	2729	49	10	✓
Bezilla, Steve-cent. PA	24	10/78	3000	48	8	0	0	0	0	0	50	45	4	0
Falconer, Jeff-Clinton, ON	69	7/00	2799	49	10	✓	0	0	0	0	1070	49	10	✓
Francis, Steve-nr Knoxville, TN	70	2/00	2648	48	7	✓	220	44	3	0	35	35	0	0
Schiller, Ron-central NJ	52	11/98	2534	48	10	✓	0	0	0	0	2103	48	10	✓
Wheeler, Frank-nw PA	30	3/97	2510	50	9	✓	232	34	3	✓	1708	50	9	✓
Pimper, Dennis-NE, UT	68	12/84	2447	47	7	0	651	40	5	0	425	45	6	0
Wilkins, John-Denver/Des Moines	62	3/00	2250	45	7	✓	290	35	0	0	1931	45	7	✓
Kureth, Joe-Uniortown, MD	61	1/00	2162	46	10	✓	0	0	0	0	342	41	7	✓
Starr, Jerry-Youngstown, OH	54	1/86	2159	50	10	✓	1055	50	10	✓	1610	50	10	✓
Wesolowski, Ernie-Omaha, NE	58	2/99	2115	49	9	✓	0	0	0	0	1970	49	9	✓
Whatmough, Dave-Hamilton, ONT	51	1/00	2061	49	10	✓	0	0	0	0	1030	49	10	✓
Edmunds, R. J.-n NJ/e PA	62	9/99	2001	47	9	✓	806	41	8	✓	263	42	6	✓
Fela, Joseph-cent. NJ	61	10/78	1861	49	10	✓	400	40	7	✓	1045	48	9	✓
Chatterton, Ken-n NY	45	11/78	1845	50	10	✓	0	0	0	0	1101	50	10	✓
Voorhies, Don-New York/Oswego, NY	32	2/98	1838	48	10	✓	0	0	0	0	611	47	10	✓
Forth, Karl-vic Chicago, IL	70	11/78	1771	48	10	✓	1077	48	10	✓	1088	48	10	✓
Renfrew, Jim-Rochester, NY	76	3/98	1678	44	8	✓	68	27	5	0	161	42	8	✓
Axelrod, Shawn M.-s MAN	85	11/96	1673	50	10	✓	0	0	0	0	0	0	0	✓
Kennedy, Steve (nc PA)	58	3/00	1589	46	10	✓	0	0	0	0	223	42	7	✓
Rugg, Andy-Montreal, sc ONT	60	9/99	1587	47	10	✓	168	28	7	✓	1552	47	10	✓
Ieter, Karl-Atlanta, GA	69	3/84	1574	44	6	✓	0	0	0	0	1193	44	6	✓
Malicky, John-Pittsburgh, PA	70	11/87	1461	40	7	✓	1184	40	6	✓	902	38	7	✓
Heinen, Wayne-NY/CO	64	12/96	1434	49	9	✓	0	0	0	0	1434	49	9	✓
Rugg, Andy-Montreal	60	9/99	1426	47	10	✓	168	68	7	✓	1395	47	10	✓
Musco, Ron-nr Hartford, CT	62	12/99	1367	47	9	✓	108	28	3	0	1244	47	9	✓
Hayes, Harry I.-ne PA	70	7/98	1354	41	9	✓	641	39	9	✓	185	30	3	0
Bailey, Ron-Shelby, NC	92	1/00	1340	37	4	✓	0	0	0	0	4	4	0	0
Arruda, Ray-nr Boston, MA	63	6/99	1292	47	9	✓	0	0	0	0	1150	47	9	✓
White, Thomas-nr Washington, ONT	78	2/93	1285	43	10	✓	402	39	6	0	493	43	10	✓
Schmidt, Dave-se PA/n DE	65	11/79	1250	48	8	0	400	40	4	0	1006	48	8	0
DeLorenzo, Marc-e MA	62	4/98	1172	45	9	✓	0	0	0	0	0	0	0	0
Zank, Neil G.-Lincoln, NE	61	10/78	1100	46	9	0	0	0	0	0	535	45	9	0
Anderson, Roger-Washington, DC	38	10/78	1017	48	9	✓	0	0	0	0	1017	48	9	✓
Foxworth, Robert-Long Island, NY	57	11/78	1000	49	10	✓	400	44	9	✓	270	48	7	✓
Harrison, Bob-ne NJ	82	6/98	996	36	7	✓	0	0	0	0	772	36	7	✓
Onyschuk, Ken-Homewood, IL	66	11/92	972	43	6	✓	0	0	0	0	16	13	0	0
White, Thomas-nr Washington, DC	68	1/92	970	39	7	✓	0	0	0	0	243	38	7	✓
Truax, Dick- vic. Louisville, KY	72	12/78	935	46	6	✓	120	35	5	✓	20	17	3	0
Sampson, John-Omaha, NE	54	12/78	912	45	6	✓	0	0	0	0	912	45	6	✓
Hardison, Greg-Atlanta, GA	64	11/78	900	36	6	0	0	0	0	0	42	19	5	0
Kureth, Joe-Southern Pines, NC	63	6/71	878	38	7	✓	0	0	0	0	92	26	2	✓
Rigas, Christos-vic Chicago, IL	81	3/98	862	46	7	✓	0	0	0	0	382	44	6	✓
Hopkins, Jim-s NJ	72	10/78	850	44	7	✓	0	0	0	0	455	43	7	0
Holland, George Jr., vic. Albany, NY	31	11/85	828	49	9	✓	0	0	0	0	828	49	9	✓
Smolarek, Bob n NJ	82	4/89	817	36	5	✓	78	16	5	0	7	7	0	0
Wolfish, Niel-Winnipeg, MAN	85	2/93	813	37	9	0	113	10	4	0	25	10	4	0
Wallace, Jim-Columbus, OH	69	10/78	795	41	7	✓	0	0	0	0	137	36	3	✓
Bond, Jerry-Rochester, NY	62	10/78	785	43	8	✓	50	10	2	0	0	0	0	0
Hardy, Nancy-coastal WA	69	12/84	778	40	5	0	0	0	0	0	3	2	0	0
Ponder, Stephen-Shreveport, LA	75	8/89	769	39	5	✓	10	4	4	0	721	39	5	✓
Greene, George-Akron, OH	60	11/84	743	45	7	✓	0	0	0	0	119	29	3	0
Yocis, Dave-Bridgeport, CT	92	4/97	726	37	8	✓	22	6	0	0	5	5	0	0
Renfrew, Jim-New Canaan, CT	67	4/89	721	39	8	✓	0	0	0	0	247	35	7	✓
Winkelman, Bruce-Greensboro, NC			686	40	4	✓	0	0	0	0	0	0	0	0
Swearingen, Paul-e KS	75	2/00	684	44	7	✓	684	44	7	✓	2	2	0	0
Tynan, Jeff-Parker, CO	87	4/89	674	36	5	0	0	0	0	0	128	27	5	0

It's A Convention Tripleheader Weekend!

by John R. Malicky

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

Lima! What a hit! Or 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 "sitting" 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 Conti, Ernie Cooper, and Kermit Geary, plus various DX News Editors and columnists. Also, to anyone else who could not attend like two "starters", Dick Truax 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, let's say he threw us 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-1080/105.5, 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 309 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 DXN 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,

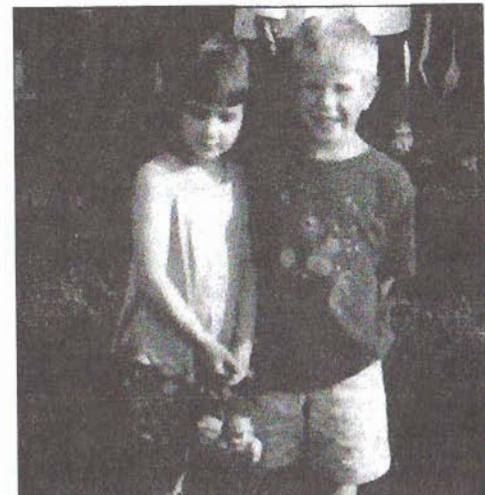
"fumbling" my room key, and "receiving" greetings and an "assist" from our host, I'll "catch" the legal 6 PM ID from WERT then have a picnic!

During this Friday evening "on the bench", I've encountered a few members and guests. "Batting first" is Dorothy Dangerfield and wife of Ben of Wallingford, PA near Philadelphia. As Dorothy is amazed by my entertaining appetite (6 burgers? 7? We lost count -pls.), I am in turn amused by her interesting stories of her and Ben! 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 1170 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 WVPR, we've now caught up!

In the third spat" 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 fiancée, Stephanie, in Selma, AL Sunday, October first! I 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, Chicagoland's number one sportsfan; always ever helpful 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!"

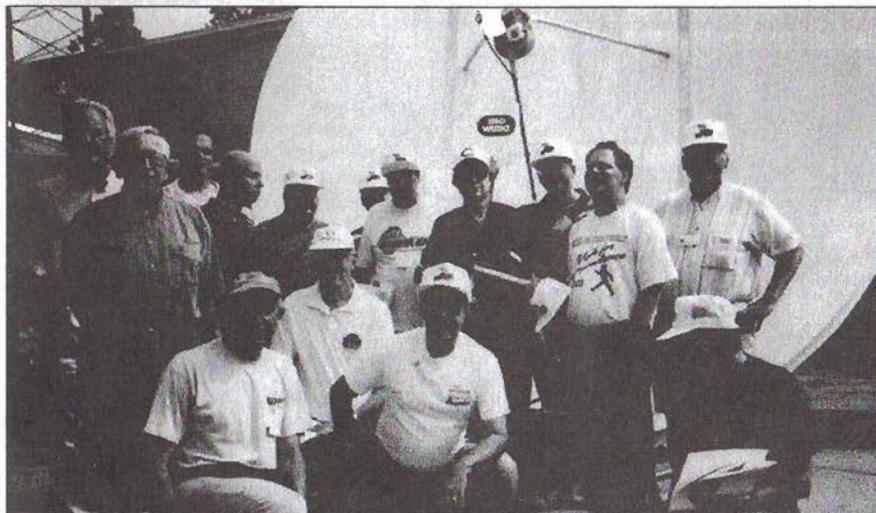
Saturday, September second and our clock radio is set to AM 1610 WNRC. Suddenly, the radio clicks on at 8 AM with this remark, "You're listening to AM 1610 WNRC Convention City (and 99.3)...drop us a line or report to receive your very own WNRC QSL...life doesn't get any better than this!" Let it be 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 four-hour blocks in between. Easily recognizable were voices of Fred Richards and Jerry Starr's plus



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



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



DXpedition members pause for a group photo outside WIMA-1150.

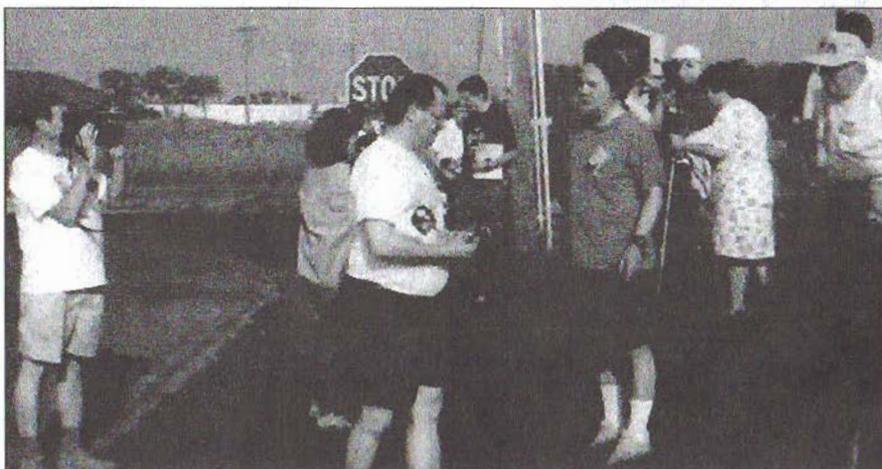
welcome messages from various air personalities from Dallas stations, KRLD, WBAP, KLUV, and KVRT! As always, no touching of any of the equipment in the hospitality room or the antenna. The antenna was a single wire about 30 feet high with guy wires stretched and tied to support it outside the room. With a power of 15/25 watts, WNRC had a 15-mile radius (or better) coverage area. Music consisted of oldies and contemporary. Aircheck copies would be available through the Publication Center. WNRC was a "field of dreams!"

Also to note in the "visiting dugout" in the hospitality room were several interesting receivers and radios and posters of radio terms and their meanings! In the meantime, a creative convention Scavenger Hunt was proceeding. Thirteen topics were listed with points from 3-15 awarded for anyone to follow up. The first one was for John Bowker's October Travellog naming the frequency and first callsign. I'll say 590 and...uh...next, what is the make and model of the WNRC AM transmitter, processor, and modulation monitor? Fred knows! Prizes would be awarded and nothing found would harm any member or the hotel while on-the hunt, so "piay ball". "Is that your final answer?!" "Only the Shadow knows!"

After a fine and simple continental breakfast next to the hotel lobby, 22 members assembled at 10 am for a visit to 667 West Market Street in downtown Lima at the home of 4 stations owned by Clear-Channel Lima! Entering through the back door, we are greeted by Mark Gierhart, Director of Engineering who oversees the stations. These four are "Newsradio 1150 WIMA", "T102" country WIMT-102.1, licensed to St. Marys, Ohio, adult contemporary "Mix 103.3", WMIX, licensed to Ft. Shawnee Ohio, the "Buk" oldies "WBUK-107.5."

First order was to have a "pep talk" in the lounge area to discuss each station. A "playbook" or a promo/info folder with a red "1150 WIMA", call sign on a white background was given to each "player." Inside were descriptions about each station, a history of radio in Lima, programming listings, and stickers! Later, white "WBUK 107.5 ball caps were passed out, but no uniforms! As our "pregame pep" talked concluded, I played an aircheck from WIMA's test from February 21, 2000 which Mark confirmed for a QSL! Life doesn't get any better!

During our tour and after, three unexpected events occurred. The first was for me to meet and interview for DXAS John Kouts, Morning Producer for WIMA in their studios! An interesting fellow, John was overseeing the Ohio State-Fresno State football game with the main feed coming from WBNS-146D Columbus. The second was to watch and record an interview John Bowker would grant for a young woman reporter from WLIO TV! Recorded in the front lobby away from the din, the edited 30-second piece would air on TV 35 as the last story about our club and convention at 11:28 PM. Just like Joe Namath did 32 years ago guaranteeing "a victory" that this would air was member Scott Fybush, producer and writer of cable news in Rochester, NY! Third, as our visit concluded with a few group photos taken outside in the back, our departures coincided with that of Mr. Ronald B. Cannon, Sr. Pastor of the Lima Baptist Temple! Pastor Cannon has just finished recording his daily five minute topical sermons to be aired each night at 6:30 PM and Sunday at 7 over WIMA. In my interview for DXAS, Pastor Cannon confirmed that he had performed this service for 39 years! A delight-ul per-

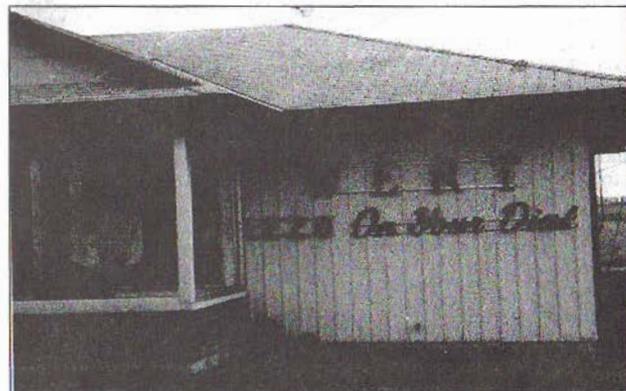


Cameraman Dave Whatmough "shoots" other convention-goers before the banquet.

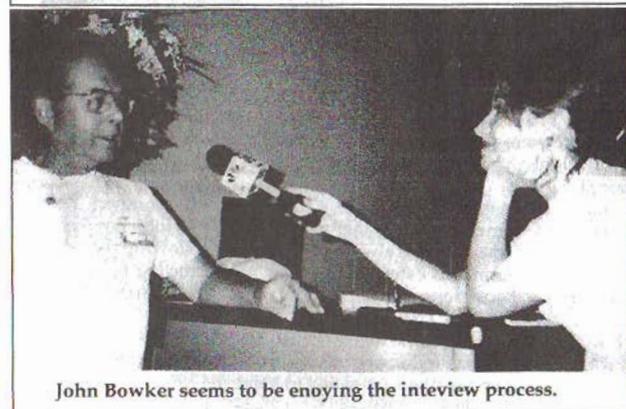
son, and we thanked him for his "pep talk!"

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 beaming the directional signal north into 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.

Off our time for more tours, Mr. Gierhart presents us with an option of seeing the 1300-foot communications tower with 2 bays for WIMT (at 1060 feet) and WMLX (at 850 feet) south of Cridersville, Ohio, about 10 miles from here or lunch! Some members opt to see the tall tower while my car companions,



This modest building was one stop on John Malicky's tour.



John Bowker seems to be enjoying the interview process.

Mr. Bowker, Cuomo, 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 studios of Lima's WLJM-940 and Van Wert's WERT-1220! Accompanied by Pittsburgh NRC member Curt White, I find the afternoon warm and so is our greeting at WLJM! Along with 3 FMs, country WFGF-93.1 or "Froggy 93", contemporary hits station WZOQ-92.1 "92 Zoo" licensed to Wapakoneta, Ohio, and classic hits WUZZ-104.1 "WUZZ 104", the group is located northwest of downtown at 1301 North Cable Road. Inside and between a break, WUZZ's Eric Michaels takes 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 WLJM "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 from the "Zoo's" Christine Conner, a delightful young woman, who has just finished her shift! A ten-year "radio vet", she mentions almost giving her age away, but not 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 NRC! On this Spot or that, I tell Chris that 13 years ago in this building "Dr. Johnny Fever" typed a QSL for himself upon reception of then WCII! 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 "1220 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 W 1190! 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 5 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' WDOH-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 studios 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 mugs 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 Radio Odessey". Meanwhile "Krazy Ken" pitches his first sales of the new 21st NRC AM Log Book for \$16.00. Although there weren't any winners on our free "Super Plus Lotto" Ohio 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 Travellog. This edition is of ID's from 590 kilohertz and is always entertaining! Following the taping is a "verbal" NRC Quiz because the print edition was eaten by a mouse! No correcting 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 Omnimax Theatre!

In 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 hopefully 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 Saylor: AL
Stoler: CT
J. Bowker, L. Bowker, Lantz, and
Smith: FL
Onyschuk: IL
Thompson: IN

Erdman and Swearingen: KS
B. LaVigne and R. LaVigne and
Wollman: MA
Sherman: MN
Wesolowski: NE
Mount and Smolarek: NJ
Chatterton, Fybus, and Lord:
NY
Bailey: NC
Cordrey, Dunn, Geen, Krejny,
Prescott, Siegal, BKF and Jerry

Starr, C. Vobbe, D. Vobbe, F.
Vobbe, J. Vobbe, Wayne: OH
B. Dangerfield, D. Dangerfield,
Ingram, Malicky, and White:
PA
Marthouse and Merriman: VA
Jones: TN
Bi Swiger, Br Swiger, and
Wallace: WV
Ryan and Whatmough: ON



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

Target DX R. J. Edmunds

753 Valley Rd. wb2bjh@nrcdxas.org

Blue Bell, PA 19422-2052

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 listservs 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 those 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 two different receiving locations, or at the same ones if conductivity is highly variable owing to weather.

Q. My car radio is fine for DX'ing 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 exchanging your sparkplugs 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 re-positioning 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 combinations 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 listserv 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 \$9.98!



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 or two. First, does the receiver have either a 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 anything 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 losses 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 leaves or branches touching the conductor, and, possibly less degradation of reception due to weathering of the conductor, although you 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 Target DX 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 listserv. The same goes for any specific topics you might like to see discussed. Info about the listserv is available at www.nrcdxas.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 stayed in contact with 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 1993 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 Post 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 DSWCI 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, etcetera). It took many hours to edit and distribute each DX Window, so we had to share the burden by shifting the responsibilities 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 extraordinary bulletins, if something special happens. Let me mention some of them which are 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 Dexter, USA
 Conexión Digital by Nicolas Eramo, ARG with news from some of the best DX'ers in LAM.
 Boletín Banda Tropical by Jorge García, Venezuela
 Chasqui DX by Pedro Arrunategui, 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 news 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 bigger 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.dswci.dk

A few other useful websites are:

The European DX Council: <http://www.swl.net/edxc/>

Cumbre DX: <http://www.cumbredx.org/>

Links to radiostations around the world: <http://www.radio-portal.org/>

Latin American Music Styles: <http://havana.iwsp.com/radio/lamusic/>

Clandestine Radio: <http://www.qsl.net/yb0rmi/clang/>

Interval signals: <http://home.clara.net/dkernick/>

Actual Grey Line Map: <http://dx.qsl.net/propagation/greyline.html>

Solar Terrestrial Activity Report: <http://www.dxl.com/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 radioprogramme in good quality directly in the loudspeakers of the computer, even if it comes from the opposite side of the Earth.

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 downgoing trend in the number of active frequencies of Domestic Broadcasting Stations in the Shortwave Bands between 2200 and 5800 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 indicate 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 still 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 easily may 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 **failing 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 35 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 a span of age from 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 it 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

BBC

Radio
Nottingham

the Internet to bring the hot DX News, and several do that free of charge. For some DX-ers this is sufficient for their DX-ing, and they **drop Club membership**. Particularly our treasurer has noted the effect, and we had a big deficit in our Club economy 1999!

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 not cease issuing printed bulletins and just send out an electronic version? That would save a lot of money to printing 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 it 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. 37 % of our members prefer a considerable increase in membership fee in order to get a SWN of about 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 warned us 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 newsbulletin 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 home pages.

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 home pages 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 radiostations 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 Travellog", "Sex and Deception", "Screening Calls", "A Visit to WODI-1230", "Radio from L. P. B." and much more. Two C-90 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 - Mannsville, NY 13661. NY orders, please add sales tax.

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

Bob Galerstein sent me a New York Jets (NFL) network list, gleaned from the press notes at the October 8th game vs. Pittsburgh. The list is identical to that I had included in my last column. The flagship station when 770 WABC-NY is covering the Yankees is 1560 WQEW-NY. And the Jets' games are broadcast in Spanish on 1280 WADO-NY. Bob also clarified the NY Giants' flagship information — 660 WFAN-NY except 102.7 WNEW-NY when the Mets are playing.

Ken Onyschuk sent me the National Hockey League (NHL) flagship information, but of the 30 teams there are nine where Ken did not know the flagship station. Please send me any flagship information that you have, and any network URLs you find. If you find a network list online, send me the URL, not the list. Also I need the National Basketball Association (NBA) information.

(The following NFL stations are continued from #2, the previous issue of DXN.)

San Diego Chargers 2000 -Jim Laslavic, Bill Werndl

560 KBLU-AZ x	1420 XEXX-CA S	100.7 KFMB-CA
760 KFMB-CA *		101.3 KATY-CA
1230 KXO-CA	94.5 KWST-CA	

Seattle Seahawks 2000 -Lee Hamilton, Steve Raible, Ron Cannon

560 KPQ-WA	1120 KPNW-OR	1420 KUJ-WA
600 KGEZ-MT	1170 KPUG-WA	1430 KBRC-WA
680 KOMW-WA	1240 KCVL-WA	1450 KLAM-AK
710 KIRO-WA *	KGW-WA	KGRZ-MT H
800 KINY-AK	KXLE-WA	KONP-WA
840 KMAX-WA	1280 KFXX-OR	1470 KBSN-WA
920 KXLY-WA	KIT-WA	1490 KVAC-WA
990 KRKT-OR	1310 KZXR-WA	
1010 KONA-WA	1350 KRLL-ID	94.3 KKEE-WA
1020 KAXX-AK E	1390 KSLM-OR	98.5 KEYG-WA
1030 KMAS-WA	1400 KSHP-NV	102.9 KMNT-WA
1080 KVNI-ID	KEDO-WA	104.7 KDUX-WA

Tampa Bay Buccaneers 2000 Gene Deckerhoff, Scott Brantley, Tom Korun

<http://www.buccaneers.com/Season/Broadcast3.asp> (08/28/2000)

740 WINZ-FL O	1430 WLKF-FL	90.9 WGUFL-FL N
WWNZ-FL C	1450 WSTU-FL	95.3 WXCW-FL
900 WMOP-FL	WWJB-FL	98.9 WGUFL-FL O
WSWN-FL	1460 WZNZ-FL	99.5 WQYK-FL *
1010 WQYK-FL *	1530 WENG-FL	WRKG-FL
1270 WNLS-FL C		105.9 WYNF-FL

- * = flagship station
- = previous season's announcers
- a = Late PM and prime-time games simulcast on this station
- b = Broadcasts move here when conflict with baseball
- c = This station broadcasts both the Green Bay Packers and the Detroit Lions.
- d = UNUSED
- e = This station broadcasts both the Dallas Cowboys and the Kansas City Chiefs.
- f = This station broadcasts both the Dallas Cowboys and the San Francisco 49ers.
- g = The Ravens' list has WCBC 107 Cumberland, MD.
- h = The Rams' web page on KLOU does not list KATZ as a flagship station. My monitoring seems to confirm that KATZ does indeed broadcast the Rams' games.
- i = The Bears' list has this station as AM; it is really FM.
- j = The Bears' list has this station as FM; it is really AM.
- k = The Bears' list has "WSDX-AM Brazil, IN"; the

- call is really WSDM.
- l = The Bears' list has "WSJX-AM Terre Haute, IN". The closest match I could find in AM or FM is 1300 WJSH.
- m = This station broadcasts both the Tennessee Titans and the Atlanta Falcons.
- n = night games only
- o = There is confusion as to the flagship of the Kansas City Chiefs' network. Ken Onyschuk reported 99.7 KYYS-MO new flagship; no further information available." The web page has 101.1 KCFX-MO, and the web page has a different list than last year. The boursam page has KCFX.
- p = Ken Onyschuk lists "1560 WMKI" as a conflict flagship station for the New York Giants. I have no idea what station that is, as WMKI is not at frequency 1560, nor is it in the NY/NJ area.
- q = The flagship lists 660 WFAN-NY as the flagship of the NY Jets, but the Boursam list has WFAN as the flagship of the NY Giants and 770 WABC-NY as the flagship of the Jets.
- r = This station is on the flagship list but not in the Boursam list.

Tennessee Titans 2000 Larry Stone, Mike Keith, Pat Ryan
<http://www.titansradio.com/affiliate.html> (08/18/2000)

540 WDXN-TN	1240 KWAK-AR O	94.9 WTRB-TN O
560 WHBQ-TN	WENK-TN	97.7 WHRZ-KY
620 WZNN-AL O	1260 WGVM-MS	98.3 WSSI-MS
630 WJDB-AL	WDKN-TN	WKSR-TN
640 WGOC-TN	1320 WMSR-TN	98.9 WANI-TN
680 WJIE-KY	1340 WFEB-AL	99.3 WXVL-TN
710 WTPR-TN	WXXR-AL	100.3 WOKI-TN
730 WUMP-AL	WCDT-TN	100.7 WDMS-MS
740 WRWB-TN	1370 WABD-TN N	100.9 WKBB-MS O
810 WNSI-AL N	WDXE-TN	101.5 WTPR-TN
WMGC-TN	1400 WBIP-MS	102.1 WCBF-KY
860 WSON-KY	WZNG-TN	102.3 WGOW-TN O
920 WMOK-IL	1420 KWAK-AR N	102.7 WGOW-TN N
930 WSLI-MS	WKSR-TN	103.7 WPTQ-KY
950 WAKM-TN	1430 WROB-MS O	103.9 WTRZ-TN
1050 WWIC-AL m	1450 WTCO-KY	104.5 WGFY-TN *
1070 WEKT-KY O	1490 WOMI-KY	104.9 WQLA-TN
1150 WCRK-TN	WTUP-MS	105.5 KWAK-AR
WGOW-TN O	1530 WDAP-TN	WSEV-TN O
1220 WAXO-TN		105.7 WOFE-TN
WFWL-TN	92.3 WYNU-TN	106.9 WKXD-TN
1230 WMLR-TN	93.3 WPZM-AL	107.3 WQLT-AL O

Washington Redskins 2000 -Sam Huff, Frank Herzog

540 WDMV-MD	1200 WSML-NC	1590 WCSL-NC Fs
550 WSVA-VA	WAGE-VA N	1600 WPDC-PA
600 WSJS-NC	1230 WFAI-NC	
610 WNTW-VA	WLNR-NC F	92.5 WNHV-NC
620 WWNR-WV	WFVA-VA	92.7 WGM-D-DE
730 WOHV-NC s	1270 WCBC-MD	93.1 WSVO-VA
740 WRNR-WV	1320 WGET-PA	96.9 WBVEY-MD
790 WNIS-TN	WKIN-TN	99.1 WXGM-VA
880 WVLR-VA	1350 WOYK-PA	100.7 WTHN-WV
910 WRNL-VA	1420 WXGM-VA	101.5 WBOB-VA
930 WFMD-MD	1430 WNAV-MD	101.7 WKWV-VA
960 WFIR-VA	1450 WGNC-NC F	102.9 WKIK-MD
990 WNRV-VA	WMVA-VA	105.1 WRAR-VA
1000 WRAR-VA	1490 WARK-MD	106.7 WJFK-DC *
1050 WLON-NC Fs	WKMT-NC	106.9 WARX-MD
1070 WINA-VA	WSTP-NC	107.1 WTDK-MD

- s = This station broadcasts selected games. (I am not sure if this refers to AM/FM broadcasts or to Real Audio broadcasts over the web.)
- t = The boursam list has a note "(ONLY ONCE HOCKEY SEASON STARTS)". Again I have no idea if this pertains only to Real Audio. In either case, I do not understand this note; why would a broadcast only occur AFTER the hockey season starts.
- u = Broadcasts begin after the Cincinnati Reds season ends (I assume games are on WLW if there is no conflict with baseball.)
- v = The Yankees broadcasts take precedence when there is a conflict with the Giants.
- w = Jacksonville Jaguars and the Miami Dolphins.
- x = This station broadcasts both the Arizona Cardinals and the San Diego Chargers (1999).
- y = This station broadcasts both the Oakland Raiders and the San Francisco 49ers.
- z = This station broadcasts both the New York Giants and the New York Jets.
- A = This station broadcasts both the Buffalo Bills and the New York Jets.
- B = This station broadcasts both the Minnesota Vikings and the Denver Broncos.
- C = This station broadcasts both the Jacksonville Jaguars and the Tampa Bay Buccaneers.
- D = This station broadcasts the New England Patriots, the New York Jets, and the New York Giants.
- E = This station broadcasts both the Green Bay Packers and the Seattle Seahawks.
- F = This station broadcasts both the North Carolina Panthers and Washington Redskins.
- G = This station broadcasts both the New Orleans Saints and the Dallas Cowboys.
- H = This station broadcasts both the Denver Broncos and the Seattle Seahawks.
- I = This station broadcasts both the Atlanta Falcons and Jacksonville Jaguars.
- J = This station broadcasts both the Minnesota Vikings and the Green Bay Packers.
- K = The boursam web page has "KSGI AM 450 ST GEORGE UT"; the FCC database has 1450 KTSP-UT.
- L = This listing corrects a typo in the web pages.
- M = This listing corrects a typo in the boursam pages.
- N = This station is in the boursam pages but not in web pages.
- O = This station is in the web pages but not in the boursam pages.
- P = This station broadcasts both the New York Jets and the Arizona Cardinals.