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From the Publisher... Ernie Veselowski, at several locations in his travels, noted a 143 kHz tone, or beat, on the upper side of 1000 kHz, which seemed to emanate from central America or Cuba. His note to the FCC generated a request for further information from other DX'ers, including a general idea of the direction of the transmission. If you hear it, send details to the Federal Communications Commission, Field Operations Bureau - Attn: Signal Analysis Branch - 1919 M. Street NW - Washington, DC 20554. Ernie also asks that anyone who was interested in sharing a ride to the ICRA convention in June could contact him at 31312 Westwood Lane, Omaha, NE 68144-0540.

Ken Chatterton, NRC Publications Manager, asks that anyone who receives a station location map book which isn't quite right to let him know the nature of the problem so that he can replace them; don't return faulty copies unless he asks for them.

Dave Schmidt ran across another supply of NOS radio tubes. You can send an SASE for a lot to A. L. Tubenraten - Box 8873 - Fort Lauderdale, FL 33310. Tubes are listed in alpha order.

New member Jose Benito Martinez is writing a book on radio formatter Bill Drake and would like information from anyone familiar with the stations that Drake formatted in the 60's and 70's, such as WBHQ, CKLW, WAKM, WCBM and WOTP (for Falvow, as he still does a lot of music surveys, air talents, format changes, etc. Contact him at KYNO - 2125 N. Barton Ave. - Fresno, CA 93703-2698.

A new book from TAI books, Shortwave Listening for Beginners, by Anita Louise McCormick, includes a chapter on Long Distance AM Listening (plus information in the NRC). Although the book is of course oriented towards shortwave listening, it is crammed with sources of information about equipment, clubs, etc. The paperback version is available at $10.95; for more information, contact Kimberly Martin at (800) 230-8278, x252.

Jim Conrad's annual GTG for DX'ers will be in LaCrosse, WI May 21-23 at the Holiday Inn. You can get more information by phoning Jim at (315) 232-7317; the reservation line is to the hotel is (609) 764-9500.

Welcome to these new members... Louis M. Foca, Akron, OH; Richard D. Fitch, Woodstock, GA; Armand P. Feilant, So. Beltingham, MA; Charles A. Tewksbury, Bridgeport, NJ; Stanley C. Byers, Glenview, IL; Walter G. Windis, Wayne, NJ; Harold E. Fandall, NY; Jack B. Martinez, Fresno, CA; and Stephen Jarvis, Long Beach, CA.

Remaining DXN Schedule, Volume 60

# Deadline/Pub. Date
25. April 23
26. May 21
27. June 18
28. July 16
29. Aug. 13
30. Sept. 10

DX Time Machine...

From the pages of DX News:

50 years ago... from the Apr. 10, 1913 DXN:
Stuart Island, Stamford, CT reported that WJSY-1500, formerly owned by James S. Vance, became WTOP on April 4. Ray Edge, Buffalo, NY was one of the first east-coasters to hear the March 27 DX on WIPS-1450 and he received a veri... From the Apr. 24 DXN: A list of all Canadian BC stations was published, courtesy of Al Bartholomew, Bradford, NY. Edward Ray Edge, Buffalo, NY reported that he had verified 92 new stations since Oct. 1, 1942.

25 years ago... from the April 13, 1968 DXN: A number of members complained about the "waste of space" for April Fool's items... others reported "grininning for the rest of the day".

10 years ago... from the April 18, 1983 DXN:
Brian Vernon, Ganssle River, NWT reported hearing "WFTP" (540) several times, but not "NKK... Pete Kemp mentioned the death of Arthur Godfrey in "Radio Roundup."
### AM Switch

**Jerry Starr**
c/o WHOT Radio  
4040 Simon Road  
Youngstown, OH 44512-1320

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

<table>
<thead>
<tr>
<th>Old call:</th>
<th>New call:</th>
<th>Old call:</th>
<th>New call:</th>
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<tbody>
<tr>
<td>790 WWDB</td>
<td>WRIT</td>
<td>1140 KXPS</td>
<td>OKlahoma City RVSP</td>
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<tr>
<td>910 WWPO</td>
<td>SC Dorchester</td>
<td>WDMZ</td>
<td>1170 WABN</td>
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<tr>
<td>1080 WRIT</td>
<td>SC Walterboro</td>
<td>WILD</td>
<td>1750 WZZN</td>
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<tr>
<td>1110 WMMC</td>
<td>OH Fairborn</td>
<td>WCONZ</td>
<td>1250 XHIN</td>
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<table>
<thead>
<tr>
<th>APPLICATIONS/GRANTS FOR NEW STATIONS</th>
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<tbody>
<tr>
<td>None</td>
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<table>
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<tr>
<th>APPLICATIONS FROM EXISTING FACILITIES</th>
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<tbody>
<tr>
<td>750 WWNY</td>
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<tr>
<td>980 WWRS</td>
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<td>1140 WWHA</td>
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<th>GRANTS TO EXISTING FACILITIES</th>
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<tr>
<td>740 WMAC</td>
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<td>1500 KGMC</td>
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### OTHERNESS

| 580 KGMC | SD Hot Springs: silent since mid February, station is again ON THE AIR, returned on 3/9/93 with a new country format |
| 750 WMAJ | NE Grand Island: local monitors report this station has recently been running at night even though the FCC continues to show them as a 15 station with no night operation to protect daytime WWI on 750. We don’t have an answer for this but will keep our eye on the situation. |
| 800 WKJZ | IL Casey: silent station in being sold and may return to the air soon (not just in case you might be interested, Casey is a poorly pronounced Kay-Zoo) |
| 910 WTMZ | SC Dorchester: silent on WW5A, is now ON THE AIR |
| 1020 KASL | OK Perry: silent as WWIA, is now ON THE AIR |
| 1250 KGFX | WA Sontico: station is SILENT |
| 1270 KDMJ | AZ Bullhead: silent station is ON THE AIR, had been off due to flood damage. By the way, their carry the morning show (6 to 9 AM MST) from KVNA-690 kHz in Flagstaff, then go into local programming |
| 1310 WDPM | OH Alliance: the Log lists this station with the old call WWAH it is now WWAN. |
| 1340 KSK1 | ID Hailey: station is SILENT |
| 1400 WCTN | SC Georgetown: station is SILENT |
| 1460 KCLL | AR Paris: station is SILENT |
| 1480 WWBH | NC Fair Bluff: station is SILENT |
| 1500 WINE | TN Trenton: recently reported to be "silent for repairs" but we wonder if perhaps they are finally exercising their CP to move to 890 kHz. The Log already lists WINE on 950. Can somebody in that area check this one out? Please? |

### Now and Then

**John D. Bowker**

Dial changes in AM markets, from 1930 to 1948 to 1992

### ORLANDO, FL MARKET

<table>
<thead>
<tr>
<th>1930</th>
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<td>KVNG</td>
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<td>1948</td>
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<td>VFW</td>
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<td>1992</td>
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<td>KVNG</td>
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The highlights of the 1992 NRC Convention at Omaha are available on four C-90 cassette tapes in a convenient carrying/storage case for $9.50. Order your set now from NRC Publications. New York residents, please add sales tax.
Domestic DX Digest

North: Bill Hale
495 Creekview Drive - Meridian, ID 83642-3341

South: Duncan Shaw
2618 Ellendale Place, #3 - Los Angeles, CA 90007

East: Dave Braun
11 Mill Bend Acres - Wyoming, DE 19934-9525

DDXD-North

- The deadlines are very important now that we're into the non-weekly schedule. Remember, DX older than 30 days from the time the column goes in to the publisher will be weeded out. So report soon.
- Deadlines for DXDD-N are as follows (all Saturdays):
  - Issue 26: May 15
  - Issue 27: Jun 12
  - Issue 28: Jul 10

- Thanks to Bob Gilfert for the phone call. Always nice to hear from you, customers. And Tom Bryant of Nashville writes with some und ID help. Maybe.
- Richard Palmer of Decatur, Illinois settles an und ID question from the MHDXP three issues ago. See details in Beacons. Thanks, Richard. Hope to hear more from you. I used to live about 70 miles from there.
- For those of you who have purchased the new Mapbook, I have a note for you which will require little effort. On Page 126 (1000 kHz ft.), 2nd page, change the number for WUXD Roxbury, NH from 98 to 100. Prior information had the location near Hanover, but newly acquired data shows the Roxbury transmitter location less than 5 miles from that of the CF for Marlborough. So, one of those has to be deleted. Don’t know how the FTC could license two stations on the same frequency so close to each other... well, maybe... so we will retain both listings until we hear something added through the AM Switch column. Other than a few deletions, and of course all the call letter changes, the Mapbook is still in good shape. And we’re two months after the baseline!
- DX Reports are welcome via mail, phone (200.888.7908 before 2100 Mountain Time), Prodigy (MTH/JH2A) or the Broadcast Media area on Fido.Net.
- The offer of stands for the free DXDD Reporting sheets. Send a legal sized SASE (2 ounce rate) and request them with your next report. What the heck? We are the up. We’ll print more.
- Add one radio-related program on shortwave. I just saw on Fido.Net that a new program called Spectrum will debut on May 2 at 0300 UTC from WYIR on 1679 kHz. It’s supposed to cover “diet to daylight.” Other than that, I have no other details. CU May 3.

- ISN’T THAT SPECIAL.

1030 WCTS

KBBQ
- MO Blue Springs - I saw on Fido.Net where KBEQ is now C&W, and simulcasting with Kansas City sister station KBBQ-FM 104.3. (Ed-DJ)

1290 WAMX
- MI Saline - 3/14 - No longer 102.9 WQCB, as it moved to AC format which they were 10 years ago. Slogan - Ann Arbor’s Adult Music Experience - WAMX. This is their 7th format change in 12 years, so the success story continues. Ex: WNRR, WIBQ. (JL-OH)

1600 KWMX
- CO Lakewood - 3/17 0630 - Good with lite rock/CHR music, lots of Mix 107 point 5 non-IDs. At 0655 KWMX FM, AM Lakewood-Denver, a division of Broadcast Communications ID. Ex: KXKXY. New. (SA-MB) [Maybe that was Jefferson-Pilot Communications? - Ed.]

1060 UNID
- ?? The unID heard by MHN-NE on 3-28 at 2024 [See Issue 19 - Ed.] is definitely NOT KGFX! They have a country format, while KGFX-FM 92.7 is rock. They never simulcast. The All-New 92 is a slogan never heard on either KGFX AM or FM. The FM uses the slogan KG 93. (BM-SH) [Mitchell Scott Paul of Minneapolis reports (via phone) that he's heard a good, clear ID from WPXM Tupelo, MS along with their rap format and an ID as The New 92. And I ID'd Mitchell as "Michael" last issue, too. Grrr - Ed.]

1080 UNID
- ?? - 3/13 2253 - Good with OC and TT. Bits of country music between TTs. Gone at 0001. No ID ever given. (SA-MB)

1220 WFKN
- TN Franklin - or

WAXO
- TN Lewisburg - Either may be Rick Dan's und ID (Moogies Issue 21) with Commodore Radio Network. Maybe some of the sports guru can throw a dart at the right one. I don’t have access to Vandy's station list, and their PR office doesn’t seem to know much more than the fact that WLAC is their flagship station! If both of these guys carry it, you’re outta luck (TB-TN)

1230 CJLB
- ?? or any of at least six other stations from Alberta to Ontario could be RD-IA's und ID [See Issue 21 - Ed] with mention of Canada's Coast to Coast. (SA-MB)

1420 UNID
- ?? - NO DARB 0522 - Heard CL WPBO with AC music. Could this have been Owensboro, KY? Poor - fair signal. (AM-IL) [One of their 3 nighttime lobes does favor your area, but the CLs don’t match. Unless they simulcast, and the CLs you heard are the FM’s - Ed.]

DX and Equipment Tests

790 WLKW
- RI Providence - 3/29 - CIDs heard on DX Test. It was only on 0003-0007. JS-OH

WLKW
- RI Providence - 3/29 0000-0015 - Not heard amongst the jumble. (JL-OH)

960 KGWA
- OK Enid - 3/1 - Although test was a no show as mentioned in this section in Issue 22, it was NOT a second no show. The first test indeed was along with those heard. In writing up the test info for the 3/1 test [See Issue 16 for the notice - Ed], I said The test which ran in December was conducted on standby equipment and Mr. Clark has asked to repeat the test for the benefit of DXers. Mr. Scott Clark, the CE at KGWA ran the test in December, but because of an equipment problem with the main transmitter, had to run the test on standby equipment. Even though he would have had an excuse not to run the DX test, he did so anyway, even though he could not use his normal transmitting facilities. Mr. Clark telephoned me the next day and explained the situation and asked if the test could be repeated when the main transmitter was up and running. To ALL DXers - PLEASE read the DX test notes carefully. Often the blame is placed on the station personnel when careful reading of the notices could prevent incorrect assumptions. (J.D. Stephenson - IRCA CPC Chairman) [Reread the comments above assuming a test did not run just because it wasn’t heard in your shack - Ed.]

1090 KTN5
- OK Auburn - 3/9 0300 - Only KAAY. Nothing heard from test stations. (SA-MB)

1150 KKWY
- IA Des Moines - 3/15 0100-0130 - Heard 1 kHz TT at 0115. That was it as CKOK dominated the frequency. (JL-OH)

1280 WCPM
- KY Cumberland - 4/1 0100-0115 - Test consisted of 1 kHz TT’s lasting from one to three minutes with 30 second breaks in between. This breaks could have contained VIDs, but I couldn’t hear any because of the usual 1280 pile-up. Poor = fair under WJAS/WWOK/und ID. (JS-OH)
1610 TIS CA Dunsquirt (near) - 3/29 0710-0735 - Fair with message explaining California's Inspection Station Program. You are approaching the California Department of Food and Agriculture Inspection Station. All vehicles must stop. Located on Intrama 5. (JW-OR)

TIS WI Kenosha - 3/13-14 - After listening to this TIS for several cycles of the tape loop, it was determined that they do not give their call sign. Just give standard what-to-see and what-to-do stuff and 1-800 number as reported previously. (TR-WI)

1620 WNW 290 IL Bentonville - Is most likely DHM-1A's unit ID [Issue 20-Ed.], which is a FIS (Public Information Station). (SAM-BR)

UNID CA7 - 4/2 0520-0600 - Poor with a few readable words. Woman with recorded message concerning a library or museum. Looped NW-SE. Probably California. Believe this is signal recently reported by DHM-1A [Issue 20-Ed.]. Heart occasionally since January. (JW-OR)

BEACONS

512 XKQ OK Lexington - This is the unit ID Bee-Cone heard by the MBDBP [Issue 21]. Located at Lexington, it's operated by the Oklahoma Military Department, Army Aviation Support Facility, OKAANG, Highway 59 East & 144th Avenue, Lexington, 73105-9548. (RP-IL) [Also IDed by Randy Mazure of Bushkill, PA. Thanks, guy! Another mystery solved! - Ed.]

MIDNIGHT TO 0800 HOURS ELT

550 KMYI HI Wailuku - 3/15 0640-0500 - Good with music program Sound of Portugal. Announcement about TV channels off due to weather. Signoff for maintenance at 0438 with SSB. (JW-OR)

830 K1KJ HI Honolulu - 3/29 0505 - Fair with ID: Hawai'i's oldest and classic rock station, KIKI Honolulu. (JW-OR)

1080 CKSA AB Llyodminster - 3/14 0115 - Good with weather for Lloydminster, local ads -> C&W music. IIDs as Country One-Oh-Eight. No longer CHR. (SAM-BR)

1370 WHFQ GH Toledo - 3/26 0002 - Good with Kansas vs California basketball in the NCAA tourney. Ad for CNA Insurance. (TR-IL)

1410 KRWB MN Roseau - 3/22 0630 - Strong with signal up (new time). Power and other info is good. (SAM-BR)

1430 CJCL ON Toronto - 3/31 0448 - Poor -> fair with slogan Sports Radio 1430 The Fan is Blue Jays vs Phillies baseball game. (AM-IL)

1480 KCOX MT Sydney - 3/16 0557 - Good with KCOX ID -> MBS News and C&W music afterwards. (SAM-BR)

1580 WEAM GA Columbus - 3/13 0458 - Poor -> fair with black gospel music. (AM-IL)


660 WJFR NY New York - 3/9 1930 - Poor in WMAQ splash. Surfaced briefly with ad for Chase Manhattan Bank. (TR-IL)

690 CBF PQ Montreal - 3/30 2315 - Good with FF talk mentioning Quebec. FF music on order of heavy metal rock. EE 940 CBN absent. (TR-IL)

760 WJR MI Detroit - 3/30 2333 - Fair with Michigan and Ontario road conditions on WJR's Road Watch America. (TR-IL) [That sounds like an IRN slogan? - Ed.]

800 CKJW ON Windsor - 3/30 2130 - Fair -> poor with talk about police scheme to execute outstanding arrest warrants. (TR-IL)

820 WBAP TX Fort Worth - 3/30 2306 - Fair -> poor with Sports Blue Line show. (TR-IL)

840 WHAS KY Louisville - 3/30 2305 - Poor -> fair with ads for Tamper & Valine Rita Pharmacy. 84 WHAS brings you the news around the clock followed by weather and Newsradio 1450. (TR-IL)

860 CJBQ ON Toronto - 3/30 2322 - Fair -> poor with FF interview show. ER 740 absent. (TR-IL)

910 KUHS OK Miami - 3/10 2303 - Fair -> poor with ad for music knowledge preceded by, and followed by, news. [Ed.] said from the Washington News Desk. ID mentioning also 102.9 KGCL. New. (TR-IL)

950 WPEN PA Philadelphia - 3/3 1806 - Poor in CKBB null with ID as 950 AM WPEN -> NBD-era schlitz. (MB-ON) [Schlitz? - Ed.]

1050 CHUM ON Toronto - 3/30 2330 - Fair -> poor with oldies and slogan Toronto's All-Oldies Station. (TR-IL)

1120 KMOX MO St. Louis - 3/9 2952 - Good with talk about hockey contract of Brett Hull of St. Louis Blues with Blues president. Sports Open Line promo for Jim White Show. (TR-IL)

1180 WHAM NY Rochester - 3/9 1950 - Good with sportstalk with Rochester newspaper sports columnist talking about baseball stadium. (TR-IL)

1330 WTLIC IN Indianapolis - 3/9 1430 - Good, croaking CIWW, with promo for Sesame Street Live at Market Square Arena sponsored by WTCI. ID as Gold at heart, AM 1310 WTCI. Indianapolis -> Take The A-Train. Last heard as WTUX. They've been through many calls since I first logged them in 1977 as WTVX. (MB-ON)

1550 WBST IN Muncie - 3/9 1945 - Fair -> poor with oldies. New. (TR-IL)

REPORTERS

TR-IL Thomas J. Reiser Chicago, IL; Sony ICF-2003 barefoot or TR-WI about 20 miles west of Kenosha, WI

JL-OH Jeffrey Lezi Toledo, OH; Panasonic R-5000A

RP-IL Richard Palmer Essex, IL

TB-TN Tom Bryant Nashville, TN; unit ID help

SA-MB Shawn Axelrod Winnipeg, MB; ICOM R-70 w/PLM board & 0.5, 2.4 & 4 kHz filter + 4' box loo p 100' 1w (a2)

JS-OH Jerry Starr Hubbard, OH

BM-SD Bill Mosier, SD

MB-ON Mike Brooker Toronto, ON; Panasonic FF-2200; Sony ICF-7600D

AM-IL Alan Millimeter Centralia, IL; R-5000 + Polaron Loop

JW-OR Jack Woods Waldport, OR; Barlow-Wadley XCR-30 + Martens Loop

Ed-ID Editor Meridian, ID.

GRAVEYARD DX UPDATE

1250 kHz

WCKJ GA Augusta Dave Bruns Falls Church, VA 462
THE BLIZZARD OF '93

550 WSVA VA Harrisonburg - 3/12/3/14 - Total dominance of the frequency with storm updates and snow closures. (BG-DC)
550 WHUP PA Harrisburg - 3/13 2:45 - Very weak - suspect on low power. (DS-DE)
720 WWYI PA Shiremanstown - 3/12 1:00 - Noted off, (DS-DE)
740 WYCH PA Chester - 3/13 1:40 Noted off. (DS-DE)
900 WMVU NH Nashua - 3/13 1:40 - Noted on their usual 2100 sign off with classic rock and Blizzard updates. (BC-NH)
920 WTTM NJ Trenton - 3/13 1:49+ - Off/on 10 minutes at a time. (DS-DE)
950 WROL MA Boston - 3/13 2:14 - Noted with open carrier, studios must have been knocked out by the Blizzard. (BC-NH)
1020 WKZE CT Sharon - 3/13 2:21 - Good on emergency broadcast with list of cancellations due to blizzard, over KDKA and Venezuela. (BC-NH)
WKZE CT Sharon - 3/14 0900 - Fairly good over/under KDKA with MQR/Standards, storm info and WKZE-FM IDs. (DS-DE)
1110 WNNW NH Salem - 3/13 2:17 - Emergency broadcast with phone callers on the air and merengue music, AI in Spanish. (BC-NH)
1180 WJFJ RI Hope Valley - 3/13 2:32 - Fair on emergency broadcast with CW music and radar updates over WHAM. (BC-NH)
1190 WMRE PA Hughesville - 3/13 2023-2045 - Noted with FM simulcast of WHTO-103/WHOT IDs - fair with no WOWO. (DS-DE)
560 WJFJ PA Hughesville - 3/13 2:43 - Fair on emergency broadcast, WMRE/WHOT IDs, simulcasting 103 FM, over/under WOWO. (BC-NH)
1310 WSSJ NJ Camden - 3/13 1520 - Off. (DS-DE)
1320 WDER NH Derry - 3/14 0013 - On emergency broadcast at full power, past usual 2100 sign off, with Christian music and weather updates. (BC-NH)
1330 WESR VA Onancock - 3/13 1845 - Strong with storm info, flooding, FM simulcast. (DS-DE)
1360 WNJC NJ Washington Township - 3/13 1000 - Off by this time, all day 3/14 (DS-DE)
1410 WDOV DE Dover - 3/13 1300+ - Low power. (DS-DE) (You want to know how close I am to them...they sounded normal here - db)
1440 WREY NJ Milwaukie - 3/13 1458 - Noted off, all WNVP. (DS-DE)
1450 Wilm DE Wilmington - 3/13 1200 - Reduced power until 2300. (DS-DE)
1470 WJZT VA Tazewell - 3/13 2010 - Giving total snowfall in area, ID, fair. (DS-DE)
1480 WAJA NC Franklin - 3/13 0113 - At storm info, ID. CW music. Also 1/16 0005 with closings. (DS-DE)
1520 WGAM MA Greenfield - 3/13 1830 - Good with storm info, ID. "AM Only" satellite feed. (DS-DE)
1580 WLM NY Patchogue - 3/13 1840 - Strong with storm info, ID, standards. (DS-DE)
1580 WWOF NY Camp Lejeune - Noted off AM/PM of 3/14. Uncertain if storm related or other reason. Noted off 3/15 as well. Still off 3/12. Called several times, but no answer. 3/19 phone was finally answered by a woman who was there "cleaning the church for services." She knew nothing about the station (if it was on or off the air) and advised there was no one else there to ask. The church/studios are in the same building. I've driven by the transmitter site and the antenna is still there, so who knows? (MC-NC)
1590 WCNZ PA Chester - 3/13 1700 - Noted off. (DS-DE)

DX TESTS

550 WDEV VT Waterbury - 2/22 0405 - Morse code ID. fair-good under WGR. (WPT-DC)
640 WWJY NJ Mount Holly - 3/1 0027-0014 - Easiest catch yet on DX tests (like catching fish in a barrel, no). CE gave brief history of station, CID. In like a ton of bricks at times. (WPT-DC)
740 WYCH PA Chester - 3/3 0300-0311 - Fair to good with VIDs, CIDs and "European Police" types. Mostly clobbered by local WGM after 0315. (EU-NY)
790 WLKW RI Providence - 3/29 0007-0015 - No sign of this during the time, only WTAR and WCGM. (DB-DE)
900 RLWRI RI Providence - 3/29 0000-0006 - With jazz music, ID and mention of IRA, followed by code message. On top of channel at 0000, faded 0004, disappeared 0007. (AR-ON) (Which would explain my not hearing it from 0007+. I knew I should have gotten out of bed sooner - db)
830 WRTX OH Cortland - 3/1 0100 - Zapped through it. (WPT-DC)
940 WECO  IN Walthur - 3/27 0018-0300 - Fair with TTTs. "TEST DU WHG" CDs and bluegrass music. (EU-NY)
960 KGWA OK Emst - 3/01 0315-0345 - This bird didn’t show here. (WPT-DC)
1150 KWKY IA Des Moines - 3/15 0100-0130 - No show, only WMET. (WPT-DC)
1180 KKAR NE Bellevue - 3/15 0100-0130 - Too much WHAM with a little LA thrown in. (WPT-DC)
1190 WOWO IN Ft. Wayne - 3/4 0006-0100 - Noted on test with "fluttering" TTS and a couple of names, including one by ELO. (EU-NY)
1538 KPCR MO Bowling Green - 3/8 0100-0120 - No show, just WCKY. (WPT-DC)
1530 WFMC PA Meadensburg - 3/2 0040 - Heard using tone signal, station ID, and then announcement that "test is concluded will return at 6:30 AM tomorrow". (L-GW-NY)

UNI AND UNI HELP

600 CBKTV Sk Gravelburg - 2/28 1827 - French over/under CBF, completely gone at 1830. Canada mentioned several times. Any other ideas? (JEK-MD) (A great catch if it is - db)
900 UNID 3/1 1945-1955 - Hockey game between Montreal and Boston. ID at 1950 as "You’re listening to the CJAD Montreal Canadiens Hockey Network". Fair under CHML. (JB-MA) (CTKDS-PQ relays CJAD - db)
900 UNID 3/27 2225 - Sports talk call in show over/under CHML which had Toronto hockey. Faded by 2230. Second time this year I’ve heard this, once in the AM. Any ideas? (DB-DE)
1110 UNID Way under WB with CNN news and many IDs as "1110 CNN" and "Newradio 1110". Nothing in log seems to fit. (IM-NY) (Depending on the time, since it is shown as a daytimer, how about WVRX, East Providence, RI - dB)
1280 UNID 3/1 1859 - Good for a while with music by Paul McCartney, but faded at ID time. Was able to pick out "This is 92.6 FM < fade >...WETF...Easy 98". (EU-NY) (How ‘bout WCYF, Seacliff DE. They simulcast with WCYF FM 98.3, with soft AC type music - db)
1350 UNID 3/2 2304 - Someone weak with oldies, same as WHGB’s (Jonest Satellite Service). (DS-DE)
1460 WPRWt VA Manassas - 3/2 1930 - In and out with 3 others with CW selections. Initially thought WQNA but pretty clear ID popped out at 1938. (IM-NY) (A phone call to my brother in Reston, VA on 4/4 confirms that WPRWt is still alive. They are supposed to be coming back from the Christmas format as WKBZ - db)
1530 UNID 3/22 2220-2400 - Loop of 21 oldies (Baby Don’t Let Your Dog Bite Me, Bye Bye Love, La Bomba, ...) repeated every 53 minutes with no (DS, announcements, or commercials, over WCKY. (BC-NH)
1530 UNID 3/3 0013 - Continuous oldies under WCKY. Played in groups like Motown, Beach Boys, etc. No talk in between and break at 0030. (JB-MA)
1530 UNID 3/5 0230 - Someone here with Oldies, no IDs, good in WCKY null, suspect WJD with has been getting a lot lately (DS-DE)Due to the fact that Bob Harrison has kept us informed of no obd. Perhaps Bruce and Jim’s UNIDs also - db
1550 UNID 3/4 1820-27 - News ‘NewsTalk 16’ slogans. During newscast sports guy noticed anchor woman was wearing an engagement ring for the first time. (BC-DC)
1580 UNID 3/4 0700-0800 - In WQGF absence noted usual WPWG and UNID occasionally fading up over WPWG. ID sounded like WPQW/BOBQ. After ID heard mention of "currently 26 degrees..." Format sounded CW, but WPQW was just too strong. (MI-NH)

0000 to 0800 ELT

530 CIAO ON Brumpton - 3/29 0300 - English announcer with rock into Italian program at 0300. (ES-NI)
670 WWEE FL Miami - 3/25 0145 - Spanish news, weather, "Radio Fo", good. (ES-NI)
690 WJOX AL Birmingham - 3/1 0145 - With sports talk, calls taken, weak, list 500 watts. (ES-NI)
740 WAIC PR San Juan - 3/26 0830 - "WAI San Juan", "My twentys class", good. (ES-NI)
790 CIBM ON Southbury - 3/21 0818-0837 - Fair with Country Coast to Coast. (BG-DC)
910 CKLY ON Lindsay - 3/9 0006-0018 - Fair with new wave/prog Broadcasting stuff. Call letter ID at 0018. (BG-DC)
1050 CHUM ON Toronto - 3/20 0103 - In under WEVD with "CHUM" ID, and British rock sounds. (L-GW-NY)

1270 WCBC MD Cumberland - 3/1 0345 - Jim Bohannon Show, “AM 1270 WCBC”, fair. (ES-NI)
1290 WNBF NY Binghamton - 3/14 0100 - Call letter ID and then UNID news; gone before 0100. (BG-DC)
1600 WHIO OH Dayton - 3/22 0200 - ID into AP news, atop with WIBR off. (DS-DE)
1690 CJBK ON London - 3/22 0205 - Suspect they with Oldies Coast to Coast, good (as usual) poor ID. (DS-DE)
1300 WJFK NY Baltimore - 3/22 0200 - Relaying WFKJ-FM 106.7 with 30 minute music sets. ID as "WFKJ-FM Washington DC, AM 1300 WJFK Baltimore", fair. (ES-NI)
1310 WSSJ NJ Camden - 3/1 0008 - Fair with jingle IDs and pop music. (BC-NH)
1370 WXII NY Rochester - 3/30 0315 - Blues Spectrum program, old Mississippi Delta blues songs. (ES-NI)
1390 WLAM PA Lancaster - 3/20 0759 - Poor under WMZQ with ID only. Had been after this for a couple of days as I could hear something, and all the other York/Lancaster area stations were in lower than normal. (GE-DE)
1420 WLNJ NY Peekskill - 3/24 0025 - Good with "AM 1420...your star station!" IDs and the Dangerous Disco Hour on the Saturday Night Oldies Show. (BC-NH)
1450 WLNJ NY Peekskill - 3/4 0056 - Nos music, thenpromo for "The Saturday Night Oldies Show on WLNA". At 0100 ID as "This is 1420 AM WLNA Peekskill", then into AC music. New here. (JB-MA)
1490 WKCW VA Warren - 3/24 0061 - End of the 80s then "This is WKCW 1420 Warren, we love our country". Then brief weather forecast and into CW music. At 0610 mentioned "The big 1420". In quite strong at 0615. New here. (JB-MA)
1520 KOMA OK Oklahoma City - 3/1 0045 - Tuned down from 1330 trying to get CPC test, WKBW off and heard KOMA for the first time in many a year. Oldies format with less than 1000. (JEK-MD)
1550 WMDH IN New Castle - 3/22 0200 - Hear with talk show. Nice signal, first time heard here. What’s their watt power? (L-GW-NY) (AM Log shows them using 250 watts - db)
1550 WMDH IN New Castle - 3/22 0405 - NBC news, local ads for radio bingo, ID as "Radio 1550, WMDH-AM New Castle", excellent at times, 250 watts. (ES-NI)
1560 WPAD KY Paducah - 3/22 0400 - Standards from the 40’s and 50’s, ID as "You’re listening to the original hits from the 40’s, 50’s and 60’s on WPAD". (ES-NI)
1580 WZKY NC Albemarle - 3/2 0155 - Way atop with ID, promo for news, "24 hour weather phone" (982-0111), 10 watts? (DS-DE)
1590 WIPY NC Clayton - 3/3 0600 - Sign on with prayer and Gospel Caravan program in - es. (BC-NH)
1600 WFTH VA Richmond - 3/3 0603 - Sign on mixing with about a dozen stations. "WFTH Richmond, serving Petersburg and the Tri-State area". (ES-NI) (I wonder what Tri-State they were referring to - db)
1600 WKEN DE Dover - 3/3 0556 - "Oldies 1600 WKEN". Also on 3/4 mentioned "Year station for rock and roll oldies, WKEN". Never did hear any music though. (NEW here. (JB-MA)
1600 BBDB WV Wheeling - 3/2 0010 - This 53 watt monster way atop with "AM Only" standards format. (DS-DE)

0800 to 1600 ELT

1160 WMVW NY Mechanicville - 3/15 550 - In very well this early with big hard music. (TF-CT)
1550 WLXV CT Bloomfield - 3/11 1525 - Religious programming, ID as "Christian 1550 WLXV". (ES-NI)

1600 TO 2400 ELT

550 WICE RI Pawtucket - 3/12 2344-2400 - Fair with basketball on University of Kentucky network, including ads for Kentucky Ford Dealers and other Ohio Valley businesses, mention of WBLK, ID on the hour. "WICE 555 AM stereo, Pawtucket-Provider," followed by CBS news and Sports Final. And I thought I had Cincinnati, #85&m87. (BC-NH)
DDXD-South

TOIT AND PIECES

Sorry for the lack of column this past couple of weeks - I had a switch in jobs, a busy couple of weeks at school, and our two-week Student Senate elections. I decided to try something no student media group at UBC had ever tried before - predicting winners through exit polling. We must have done a good job - we picked all 16 of the winners.

We have looggings from several new reporters this time; welcome to KEN BAILEY in North Carolina (The for the QSL card), JEFFERSON LEE in Kansas City, BOB GILBERT in Washington, DC WALT BREVILLE from St. Louis, and KEN LIBLEY in Denver, CO. Welcome to you all.

Remember, WAYNE HEINZ wants your help to make the 1994 MRC AM Log the most accurate ever. Send information about any station changes to RKO at P.O. Box 438, 431 S. Andes Way, Aurora, CO 80013, or call preload to (303) 699-6335.

There has been some recent confusion regarding my address - the 2416 S. Ellendale Dr., 12097 which appears above is correct. It appeared since the column header in January, was changed back to the old address for three issues, and was then changed again to the current address. Sorry about this!

My e-mail account wasn't shut down as I expected; you can send loggings to dah@usc.edu. Phone tips welcome 1700-2130 at (313) 740-1487. Deadlines for the summer: May 15, June 12, July 10, August 7, and September 4.

On to LOTS OF DX...

SPECIALS

1520 KABR OR PERRY - 3/23 noted w/b 50m music, "Star Country" slogan and KH 90-100 KBSM IDs. SILENT STATION BACK ON THE AIR, ex-KM-584 (BWG-DC)

1530 WNQO NY NASHVILLE - OF THE OFF THE AIR DUE TO FIRE. Fire also destroyed co-located WMCR, shortwave. News report quotes management as expecting AM back on later in the week. The shortwave SW may be off several months. Nothing regular on open 1300 except toner lamps and WMV's 2nd harmonic, but WMBC-1290 and WOOL-1310 now day regular. (DT-TH)

1530 K剩 MO CLAYTON - Sked is NQF, per station (EH-NO)

1540 (RED) CO DENVER - Local sta silent for over a week, first noted 3/22. Tried calling station, but no recorded msg that "number has been temporarily disconnected". No idea what the problem is, but it's parametrical! (CH-NO)

1536 KHNQ CO JOHNSTOWN - 2/14 bldg testing w/instrumental music 1815-1830 sign-off. Started reg sked on 3/15 with all talk format. Uses USA news and Sun Talk. Slogan on the right side of your dial! referring to very right wing talk format. (WH-Co)

1540 KITO OR VIKITA - 3/23 ex-RYVIN noted w/b 50m music (BE-OR)

1550 KJLA MO INDEPENDENCE - 4/1. Back on the air today after testing for a number of days. Station is now NQF off satellite, D-2 with lobes NNE and SSW; fairly broad and SWW for news. Previous operators on 1510 were REL and UC, and duped an FM for a while. (UL-NO)

THE BIG BROADCASTS

720 WCGR NC PIGSKY FOREST - 3/13 2016 good-xlnt, with storm shelter locations in Transylvania Co. and other area locations. (DD-TH)

850 WRFU FL GAINEVILLE - 3/13 2037 good w/ Talkeetna, Gainesville-area safety info & Informational ad for insurance company w/local info. (DS-TH)

1480 WAJA NC FRANKLIN - 3/13 1956 fair to good w/brief legal ID in storm info. (DD-TH)

DX & EQUIPMENT TESTS

550 KEDF VT WAPERBURY - 2/22 0400-0500 tried but not heard, needed for new station. Wiped out by WRCW ("WJL"), KUSA, KTSY, and unID'd. (DD-TH)

600 WMW IA CEDAR RAPIDS - 1/31 0100-0200 Not heard (DT-IA)

640 WMWY NJ HOLLY - 0900-1110. Calls ID's for D-11, call repeated several times plus W3H, nothing else noted. First time heard. Very heavy W3M slop (couldnt you just shut W3M off, but D-13) - DCR & WCVB - could have nass potass! Needed for station J56 (TB-Th)

274 UCID PA CHESTER - 3/8 thought this was going to be a show-in - vigilant search 0230 to 0245, then temporally gave up. Tried again @ 0325 and heard continuous code ID's "WMCH ON 7410 KBE WMCH". No voice ID's or music heard, but there was an odd flip-flop dual tone that sounded like an European police siren. Almost inaudible under KQMG, CBL apparently on with open carrier. (TB-TH)

790 WLBN AZ PROVIDENCE - 3/29 0004-0006 copied only Morse code portion of code ID's for 2 or 3 minutes through WWFC and WJ. No HF interference. "TEST (3 times) DL WN2 (5 times)" at about 65 words per minute. (BD-MO)

830 XBRQ MO KERNETT - 2/22 0100-0200 X10 signal during entire test. Voice & code ID's and march music all clearly audible. Generally over WCO. Some mix of groundwave and skywave
produced phasing distortion. Not needed as KBOA is a sunset
regular and can generally be heard daytime via groundwave.

WTKX OR

FI

Fair under WCCO and t-storm static w/march music. (SF-TH)

COURTAIN - 0057-0120 Heard amazingly well in WCCO null
with t-storm static. TST in fair condition. Hopped on
13100 with voice ID and note "This is an equipment test
transmission" then ID's sent at different times then
minutes and more voice & code IDs. Net total now 511. (TH-TH)

Fair to good under WCCO w/march music, code IDs, and voice
IDs by Jerry Storr. (SF-TH)

960 KHOW OK

FM

Local news night program put me at extreme edge of pattern, but I thought at least
the code IDs would make it... not so. Wonder if this was a gotcha? (TH-TH)

990 WERK IN

TSt

Fair Code IDs heard under KZIX/WKFR. 960 #5. (SF-TH)

1070 WANN FL

FM

TALLAHASSEE - 2/6 0000-0040 good over under with WMBF with
voice and code IDs. (SF-TH)

1090 KYNB CA

GASKUL - 3/9 0000-0050 Not heard. XEPX much too
dominant here even though XEPX knitter is just 44 air miles
from me. A daytime regular, though. Sorry Larry, I gave it
a good shot. Phone number in log is recorded info,
correct number is (209) 863-5488. Also see KBOZ in 16-24
below. (CA-CO)

1140 KAWW NY

KX

BRIGHTON - 2/5 0400-0430 heard, but logged in 1954. (BA-MC)

WRK

MOOREHEAD - 2/5 0400-0430 heard, but logged in 1954. (BA-MC)

1280 KVOX NM

MOSCOW

HOOGLE - 2/3 0130-0130 not heard. (SF-TH)

1310 KXAM TX

DALLAS - 2/5 0425 Test logged with piercing code ID's
Note, that phone number. (BA-MC)

1480 XNKL IA

TOKUNWA - 2/7 0100-0200 Very faint code heard from 0105
until 0135 under two unIDs. (TH-JA)

1530 KFPR MO

BOWLING GREEN - 3/8 0100-0100. Between every CW tone;
voice, code ID. Voice, code ID. Should have been easy but
looped directly at WCKY from here. (BA-MO)

Code #2 at closest hits, 1140 KXAM (MO-CA)

Test code heard at 0100 with voice ID, voice, notes regarding
recent "Stop Scott Joplin piano at 1135. (BA-MO)

1540 WBMI IL

LITCHFIELD - 0100-0110 Only Code ID heard, poor under
EXTL and CTX. (TH-JA)

1590 WWMC PA

HOMERDALE - 2/5 0015-0030 nonstop code IDs. Poor in fur
in pileup; nothing heard earlier. (SF-TH)

unID & unidentified

600 WACO MD

HARRISBURG - 1/31 0200-0240 This is the MD-NC's und ID under WMT
DX test in ven08a (2/22/93) that ID's as "Their Heaven's station." (MD-DC)

1010 undID

TEST & THE LINE

530 TIB NC

Dept. of Motor Vehicles with 24 hour per day brief
description of SC driving regulations. Located near rest
area on Route 85 an NC-SC state line. (Do these things
have call signs? I didn't listen on the hour.) (BC-NC)
Jim Renfrew
61 Wilcox Street
Rochester, NY 14607-3832

As promised last week, I am providing a list of some of my more interesting loggings from my recent stay in the Dominican Republic. The season seems to be closing down, but Bill Thor's hit a rich vein of DX at the beginning of March. And where is Mark Connely? He's right here in IJDX, of course!

TRANS-PACIFIC DX

540 WESTERN SAMOA 2AP, Apia, 2/24 0530 - Along with the outlet on 747, the first to show up at this time and subsequent evenings with "island music" and non-English chatter. [RHM'HI]

738 FRENCH POLYNESIA Papeete, Tahiti, 2/26 0945 - With "island music" and pidgin English. [RHM'HI]

747 WESTERN SAMOA 2AP, Apia, 2/24 0740 - First to show up in the evening; first noted with "R. Australia" news. 2/25 0558 - Weather warning and program summary. A regular feature, in English, first noted when listening on 750 before switching to 9 kHz setting on the SW-1. [RHM'HI]

207 TONGA Nuku'alofa, 2/26 0728 - With Radio Australian news, 0749 weather mentioning Nuku'alofa, so clearly Tonga, although no ID heard, poor signal. [RHM'HI]

1570 HAWAII KAUAI, Kailua - Not heard. Is this an active CE? 1992 WRTH lists this as Kauai-Kona; wonder if Kailua-Kona was the intent? Slipped [RHM'HI].

Roy speaks: "I wish I could hear some of this exotic stuff here [Marysville, WA]. A lot surprised I didn't hear WWVU-648, but too much KHN I guess; didn't have a log, but didn't notice any hit on 650. I'm sure projected KBQN-585 wasn't on.

TRANS-ATLANTIC DX

5671 IRELAND 1/29 2232 - Classical violin or Irish fiddle music, in bad slop. [MCMA]

738 SPAIN Barcelona, 3/4 0135 - RNE program, man and woman in Spanish with discussion, poor. [ES-NJ]

774 SPAIN synchro, 1/29 2237 - Loud with Spanish talk by two announcers. [MCMA]

877 CANARY ISLANDS/SPAIN 1/29 2225 - Man in Spanish. [MCMA]

882 ENGLAND Washford, 1/29 0222 - English talk atop second station (probably Canary Islands); fair through WCBS slop. [MCMA]

891 ALGERIA Algiers, 1/15 0120 - Arabic vocal, good. 1/29 2224 - Arabic vocal. [MCMA]

1093 ENGLAND/MOROCCO 1/29 2215 - Arabic talk over Arabic music. [MCMA]

1089 ENGLAND 1/29 2205 - English discussion by man, to good peaks. [MCMA]

1107 SPAIN 1/15 0131 - RNE synchro good with Spanish talk. [MCMA]

1251 LIBYA Tripoli, 1/15 0144 - Arabic music in slop. [MCMA]

1328 SP JIM/CANARY ISLANDS 3/15 0147 - Apparent Spanish talk, poor. [MCMA]

1353 GERMANY 2/9 0505 - Man in German. [MCMA]

1359 MELLILA/SPAIN 2/20 2225 - Man in Spanish. 3/7 0331 - Pop music, Spanish talk, loud. Second only to Algerian strength tonight. [MCMA]

1375 St. PIERRE & MIQUELON 1/15 0148 - Excellent with mellow French vocal. [MCMA]

1467 FRANCE Rouen, 1/29 2218 - Man talking, possibly German, heavy slop. [RHM'HI]

1521 SAUDI ARABIA 2/28 0611 - Man in Spanish, very loud. SAH of approximately 3 Hz present. [MCMA]

1544 NORTH AFRICAN CLODESTINE 1/29 2243 - Arabic talk and emotional vocal music, fair to good. [MCMA]

1566 UNID 1/29 2743 - Operatic female vocal, 3 Hz SAH, probably the usual Arzr@/Tunisia mix. [MCMA]

1575 SPAIN 2/28 0044 - Bits of Spanish talk, poor. [MCMA]

1584 SPAIN 1/29 2146 - Man in Spanish, poor to fair. 2/29 0605 - Man in Spanish, to good peaks. [MCMA]

1593 GERMANY Langerberg, 1/15 0155 - Light pop music to fair peaks. 2/9 0508 - "My Favorite Face" by Paul McCartney, then German talk. Loud, but very fluttery, clean copy only with synth, detector enabled. 2/21 9601 - New year woman in German, good. [MCMA]

1599 PAN-AMERICAN DX

550 JAMAICA RCA Kings Bay, 3/7 0005 - Dominating frequency with English DJ, ads, reggae music, etc. [ES-NJ]


595 DOMINICA DBS Hillsborough, 3/1 0110 - Man with strong accent, Creole vocals, fair. [ES-NJ]

629.4 DOMINICAN REPUBLIC R. Monte Cristi, Monte Cristi, 3/12 1244 - Noted on the left side. [JR'DR]

629.4 ANGUILLA Caribbean Beacon, 3/7 0040 - Own 090 with Dr. Gene Scott. [ES-NJ] (And when he's done he'll probably own every station in NFR it seems.)

595 VENEZUELA YVKS Caracas, 3/7 0120 - R. Rumohos (R. Caracas - Jim) pushing S-9 on the R-900 almost equal in strength to WABC-770, unreal conditions! [ES-NJ]

629.4 COLOMBIA R. Amatante, Riohacha, 3/7 1041 - Sign-on noted at this time.

629.4 DOMINICAN REPUBLIC LV del Tropico, Santo Domingo, 3/7 1359 - Frequent power cuts during the period monitored.

629.4 BARBADOS VOB Road Town, 3/5 0256 - Noted in mess with music and "VOB" IDs. [JR'DR]

629.4 COLOMBIA R. CARACOL, Bogota, 3/7 0158 - CARACOL ID, man speaking in Spanish, fair. [ES-NJ]

629.4 PUERTO RICO WQAK Aguadilla, 3/7 1217 - IDing this way and parallel to 580 San Juan. [JR'DR]

629.4 DOMINICAN REPUBLIC R. Santa Cruz, Mao, 3/11 2142 - Definitely the best local music I've heard from this area. [JR'DR]

1285 VENEZUELA 1130 Musical, Barquisimeto, 3/5 0629 - Heard on the low side of Cartagena. [JR'DR]

1269 BERMUDA ORACOM, 3/7 0895 - Presumed with BBC World Service, no ID on the hour, loop bearing correct. [JR'DR]

1269 DOMINICAN REPUBLIC R. Barahona, Barahona, 3/7 0159 - "R. Barahona el mal del sur", completely separate from local R. Revalacot mentions of Plaza. [JR'DR]

1269 DOMINICAN REPUBLIC CARACOL 3/12 1413 - Noted all day long, mostly with music, loop east and west, with this
1300 UNID 3/12 2221 - Series of accented English advertisements for various tourist attractions. Possibly R. 1300 Caracas which was heard shortly after this. \[RJDR\]

1320 USA WLQY Hollywood, 3/12 1159 - What I think was a Creole language program. The call letter ID cleared up the mystery! \[RJDR\]

1351.0 VENEZUELA R. Falcon, Puerto Cumanara, 3/12 2205 - Noted on the high side. \[RJDR\]

1369.5 COLOMBIA R. Piloto, Barranquilla, 3/12 2300 - "La Palabra" religious program on the low side of this frequency. \[RJDR\]

1370 PUERTO RICO Viques island, 3/12 2155 - "Guidelines" English religious program. I saw this station when I visited Viques in 1981. \[RJDR\]

1371.1 DOMINICAN REPUBLIC RTVD, Barahona, 3/11 1052 - Noted in parallel with RTVD 1490 but way up on the high side. Site is presumed from WRTH list. I also heard some French language on 1570, but not IDable though the bets, perhaps Haiti? \[RJDR\]

1410.4 HAITI La Voix du Nordost, Port-du-Paix, 3/14 1515 - ID heard through a man was speaking French/Creole. The only Haitian station heard during the day. \[RJDR\]

1430 VENEZUELA R. Bahia, Puerto La Cruz, 3/9 0515 - Noted on new frequency, as others have reported from Europe. \[RJDR\]

1490 VENEZUELA R. El Sol, Maracay, 5/11 0450 - Seems to run brokered "Radical Christiana" (or "RC") programs, although El Sol IDs were heard on the hour. \[RJDR\]

1500 VENEZUELA R. Dos Mil, Cumana, 3/9 0515 - IDs and frequent "door bell" chimes. \[RJDR\]

1510 VENEZUELA Super Radio, 3/11 0024 - Many mentions of Venezuela, but not sure of the location. \[RJDR\]

1520 DOMINICAN REPUBLIC R. Samana, Samana - Did not hear this station, but I saw its building on a day trip: a small concrete block building with a 100 foot antenna next door. \[RJDR\]

1520.3 COLOMBIA R. Minuto, Barranquilla, 3/10 2340 - Noted on the high side of Puerto Rico's WRAI. \[RJDR\]

1530 BELIZE VOA, 3/12 17263 - Heard in English // 1550, 5595 and 7405. Weaker than 1550, although 1550 had more co-channel interference. \[RJDR\]

1570 DOMINICAN REPUBLIC R. Amancer, Santo Domingo, 3/10 2350 - Now on this even better with religious programs. \[RJDR\]

1590 DOMINICAN REPUBLIC R. Hit Musical, Santiago - On this frequency now. \[RJDR\]

Comments on Dominican loggings: From March 8 - 15 I was vacationing in Puerto Plata, on the northern coast of the Dominican Republic. Circumstances allowed for intensive radio listening with my Sony ICF-2010 and Radio West Loop. I was fortunate that airport security in Toronto and Puerto Plata accepted my explanations about the loop at face value! As I logged about 250 medium wave stations from 25 countries, a simple bandscan would be rather tedious so I have some general findings, and some specific loggings that may be of interest.

A key goal was to log as many Dominican stations as possible. Using the 1993 WRTH I was able to log 65 of the 116 stations listed, almost all during the daytime. At night, I could generally hear only some of the stations in Santo Domingo and Santiago - the other Dominican locations were washed out by Colombia, Venezuela, Cuba and U.S. stations. At sunrise, Colombia, Cuba and U.S. were stronger. At sunset, Puerto Rico and Venezuela stations dominated. Other daylight receptions included Turks and Caicos, Puerto Rico, U.S. and British Virgin Islands, and Haiti.

I was interested in hearing stations from Haiti, but, as could be expected, only two (possibly three) were heard. Perhaps the others are off the air, or operating with restricted schedules and low power due to fuel shortages during the continuing political crisis.

I also noticed some of the Dominican stations off the air at odd times, presumably due to equipment problems. In Puerto Plata, for example, RTVD 1490 seemed to be off air much of the time, RTVD 640 Santiago was missing one day, the R. Clarin 850 Santiago relay was only noted the day before I left, and I noted R. Puerto Plata 900 with a series of irregular breaks one evening. Something not easily appreciated by North Americans is the erratic nature of the power grid in many countries. On the last day of our stay the storm system that pulserized the east coast of North America with heavy winds and snow brought drenching rains to Puerto Plata and the power grid popped in and out all night and the next day.

Almost all of the English language stations were heard easily, including the Cayman Islands on 1205 and 1553 which are scheduled to go off the air in favor of FM this summer. It was a special pleasure to hear R. Anguilla 1505 and Barbados 790 which I’ve never heard a hint of from the USA.

Major U.S. clear channels were audible with a "flick of the loop" (KMOX the furthest west), but CBS-1850 was the only Canadian heard. I heard quite a few U.S. day-timers as well.

Hets were heard up and down the dial, some strong, some weak, and I’ve listed all of those that I could identify. The decimal frequencies noted above are only approximate.

I also logged 38 FM stations, but nothing outside of the Dominican Republic other than a scatter reception of Miami’s WMCU 89.7, 730 miles. Nothing heard from Turks and Caicos, Bahamas, Cuba or Puerto Rico as I’d hoped. My car radio is far better than the Sony, but it would have been impractical to bring my car along!

QSL INFORMATION

BAHAMAS: ZLS 526 Non-Directional Beacon, Stella Maris, Long Island, Bahamas: full-data QSL card signed by Earl Zellner, Federal Aviation Administration, Caribbean Sector Field Office, P.O. Box 929073, Miami, FL 33159. [RP-IL]

ST. KITTS & NEVIS: VON 895 no data personal letter from Evered Herbert, "VON" Station. \[MC-MA\] VON 1900 no data, personal letter from Nevis, received in 3 months for $1 from VON Radio, P.O. Box 195, Bath Village, Charlestown, Nevis, West Indies. Nevis also has own stamps, although postmark is "St. Christopher and Nevis". The island was named by Columbus who imagined snow ("nieves" on the island’s mountain. The station is owned by Nevis Broadcasting Company, Ltd. Construction began January 1988 and was ready for operation in June of 1988. Commercially operated, that is revenues are returned from the sale of advertisements to the general public. The Directors welcome and encourage the Nevis-St. Kitts public in particular and the entire Caribbean at large to view and value the station as their own, not to effectively promote sales, but as an avenue to learn, share, and ultimately grow." Format is "Adult Contemporary/World Music with Variety of Programs". From 6AM to 10 PM daily (1000-0200 UTC). \[RJ-NY\]

CONTRIBUTORS

[RHM*HI] Roy H. Millar, Kona coast, Hawaii Island, HI; Sony SW-1 with Radio West unsupplied ferrite bar antenna. \[RJ-IL\] Jim Renfrew, DXing from Puerto Plata, Dominican Republic; Sony ICF-2010, Radio West loop. \[MC-MA\] Mark W. WATSON, Billerica MA: Drake RS, 20m wire and 37m wire with noise-reducing transformers to MWDX-5 Phasing Unit and MWT-3 Cooperative Preselector.

[22]

TOWER TIP

Ok-13

WHAT TO LOOK FOR: Two self-supporting towers visible from US 40, I-70 and I-70.

CONTRIBUTED BY: Dick Truax, Louisville, KY
The Challenging Crystal Set

For hobbyists demanding the ultimate DX challenge, Ray Cole’s publication detailing step-by-step procedures in building a crystal set is for you!

Only $3.50 — order from NRC Publications. (NY residents, add sales tax)
GE Superadio Offers High Quality AM

Radio World, March 24, 1990 Via Bruce Conti

The following is an excerpt from a review of the GE Superadio III by John Gatski in Radio World, March 24, 1993. Considering the initial comments that have appeared in DX, Reduced, and DX'93, this might be of interest to those who are the first to purchase III's, because some defective units have escaped from the factory. Read on!

Technical Difficulties

A few early models of the Superadio III, made in mid-to-late 1992, were shipped from the factory with severe sensitivity problems. The factory did not catch all bad ones before they got into the distribution channels.

According to Thomson, Hong Kong manufacturer of the GE unit, would-be buyers can look at the four digit date code (not the serial number) on the box or in the battery compartment to see if the product is a potentially defective unit. Check the second, third, and fourth numbers, which represent the year and fiscal week it was manufactured. The first number represents the day of the week and is not important in identifying a bad radio. If the second number is "two," than it was built in 1992, which means it could be defective. Don't worry about the radio when the second digit is three. Next, look at the last two numbers. If they are "42" or higher, the unit does not have the sensitivity problem. Those with earlier fiscal week codes should be auditioned before purchase.

Chances are, however, that most units built before the Cnd week are good, Thomson said.

Radio World Listening Test

During listening tests, some local area stations were sampled, finally choosing WMZQ, an AM stereo country music station with a strong signal. As Radio World's (and DX News) readers know, a lot of markets don't have an abundance of music-formatted AMs.

The audible difference in switching from normal to wideband mode with the Superadio III was immediate, with good results. With a strong station such as WMZQ, the radio sounded great. In a highly crowded section of the band, however, the wideband mode produced more noise, but could be eliminated or minimized by selecting the normal position. In listening to nighttime skywave signals in wideband, the noise increased as the band became crowded. The normal mode, however, brought in numerous listenable stations.

Others who tried out the radio agreed that its performance was very good. "It does an excellent job of tuning DX," said John Marcoux, Managing Editor of DX News.

As always, a good DX unit is only as good as its manager. As technical regulatory affairs, who sampled the Superadio III for a week.

The FM tuning performance was very good, too, with some stations benefitting from the AFC switch in and others sounding better with it on. On strong signal classical and jazz stations, there was little background noise that sometimes is unavoidable in the FM stereo mode.

According to GE, the Superadio III's "guaranteed" frequency tuning will meet the AMAX standard of 60 Hz - 7500 Hz in the wide mode, and it will at least reach 2.5 kHz in the normal mode. The radio actually performed much better in Radio World's bench test.

International DX Achievements

International DX totals listed periodically in different categories.

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Thanks to Dan Bartek for handling this column for several years. As I have an up-to-date database for DX4, I'll take over the column for now. Thanks to the four updaters from Ray Moore, Andy Rugg, Roy Millar, and Stan Morris; and as Rich Eddie reports recently, we'll add him back into the list, as we're continuing to list all current NRC members, no matter how long ago your last update was.

The purpose of this column, by the way, is to show just how many stations can possibly be verified in various locations, so that if you live nearby one of the DXers listed above, you might be able to hear some, all, or more than totals and best stations listed. Listings are for stations verified or heard (not heard). June's priority: Europe/Tropical. Now that DX activity has slowed down a little, you won't recount your totals and send your updates to me... by June 18 be listed.

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 renewal data to appear on your mailing label. Please provide full nine-digit ZIP numbers, too.

From NRC's DX Audio Service...

'After Dark 3'

Four C-90 tapes in a holder now available for only $5,00 postpaid. Listen to interviews with Jonathan Hansen, Bruce Elving, and with Fred Wobbe answering your questions ... and features including profiles of WOJF-FM, the kids format, and Pete Kemp's 'Radio Roundup' ... and more! 'After Dark # 2' also still available at the same price. Order from NRC Publications - Box 161 - Mansfield, NY 13661. NY orders, please add sales tax.

From NPC's DX Audio Service...

'Who's 1200'
The Geomagnetic Summary

Each month DX News includes the "Geomagnetic Summary" prepared by Phil Bytheway. The purpose of this "For Beginners" article is to discuss some of the information contained in the Summary and how it affects medium wave DX.

QUESTION: What is the Geomagnetic Summary?

ANSWER: It is a tabulation of information provided by the National Institute of Standards and Technology, which describes the state of the earth's magnetic field. A number of observatories throughout the world continuously monitor the earth's magnetic field (known as the geomagnetic field). In its normal or quiet state, the geomagnetic field appears very nearly steady in strength and direction. However, the instruments used to monitor the field do indicate short-term variations. These indicated variations have been observed for more than a century. For many years the cause of the variations was not known, but they are now known to be caused by clouds of electrically charged particles, sometimes from the sun, and, which, as they travel through space, impact the geomagnetic field. Each day, the National Institute of Standards and Technology reports the activity of the geomagnetic field and predicts the activity level for the following day, which is The Geomagnetic Summary which appears in DX News is a tabulation of the daily reports for about one month.

QUESTION: How are the daily reports made public?

ANSWER: By several methods. The easiest way for most DXers to obtain the reports is by tuning to WWV and WWVH, which broadcast continuously on 2.5, 5, 10, 15, and 20 MHz. The geomagnetic report is on WWV at 18 minutes past the hour and on WWVH at 45 minutes past the hour.

QUESTION: The Geomagnetic Summary uses the terms Solar Flux, A Index, and K Index. What do those mean?

ANSWER: Solar flux is radio frequency noise emitted by the sun. It is received on a specific frequency at an observatory in Canada. The solar flux measurement has been found to be a convenient way to estimate the sunspot number. Higher sunspot numbers mean higher levels of ionization of the ionosphere. This is a long-term effect. Day-to-day solar flux variations have little or no impact on medium wave DX conditions.

The A Index and the K Index are measurements of geomagnetic activity. The A Index is a measure of activity averaged for a day. A reading of 0 to 2 indicates a quiet geomagnetic field. A reading of over 5 indicates a major disturbance, known as a major geomagnetic storm. The K Index is a measure of activity for a 3-hour period of time. A K Index of 1 is on a scale of 0 to 9. A reading of 0 to 2 indicates that the field is quiet, while a reading over 5 indicates a major storm.

QUESTION: What does the state of the geomagnetic field have to do with medium wave DX?

ANSWER: The same clouds of electrically charged particles from the sun that cause the geomagnetic field to be disturbed also cause ionization in the ionosphere to be turbulent and erratic. Remember that the ionosphere, the ionized region of the earth's atmosphere extending from about 40 miles in altitude up to PM, contains zones of maximum ionization known as layers. Although the ionosphere always has some turbulence, the degree of ionization varies greatly over time, in the normal condition the layers are reasonably well-defined and predictable. Long distance radio reception is possible because radio waves are reflected back and forth between these upper layers of the ionosphere, tend to be bent back down and returned to earth.

During a geomagnetic storm the upper layers of the ionosphere tend to break up and shift in position due to turbulence. The effect on medium wave DX is to cause erratic variations in signal strength, and generally reduced signal strength, although at times signal strength may actually increase. This disruption of the ionosphere during a geomagnetic disturbance varies with latitude. It is minimum over the equator and maximum over the poles.

Another common effect that accompanies a geomagnetic storm is greatly increased ionization of the lower layers of the ionosphere in the polar regions. Zones of increased ionization form, centered on the magnetic poles. These are known as auroral zones. The size of the auroral zones is proportional to the severity of the geomagnetic disturbance that occurred at some time. Therefore, the A and K indices are indicators of whether or not auroral zones exist.

As a matter of interest, the auroral zones are named for the aurora borealis, those bands and streams of light that frequently appear in the polar regions at night (and which are caused by the same charged particles) and which occur at the same time.

QUESTION: What are auroral conditions and what is their effect on medium wave DX?

ANSWER: The effect of the auroral zones is to absorb medium wave signals passing through them. In North America we say that auroral conditions exist when the auroral zone extends far enough to supress signals from radio stations to the north of our location, and sometimes from the east and west, allowing reception of stations to the south, which normally cannot be heard. The extent to which auroral conditions affect DX varies greatly with geographical location.

More AM Radio History in Washington, DC - by Perry F. Crabill, Jr.

These comments were prompted by Thomas M. White's article about the history of broadcasting in Washington, DC, appearing in DX News, Vol. 29, March 22, 1993. I was born in 1920 and lived in the city or its suburbs until moving out of the area in 1982. As a youngster, I remember being allowed to field frequency charts my father built during the 1920s. However, I was too young to pay attention to call letters and other station information during this early period.

Later we were given a battery radio by friends who had bought one of the new A.C. operated sets. I would judge that this was around 1926. We had a "B" eliminator for the plate supply, and used an automobile storage battery in the basement for the filaments.

By this time most of the early stations listed by Mr. White were gone. I do have some information about some of the other stations, as follows:

NAA
This was the US Navy station for Washington, DC, located across the river in Arlington, Virginia, near Ft. Myer. It was on a ridge overlooking the city, and featured three tall steel towers sometimes referred to as "The Three Sisters." This tower was about 500 feet in height, and could be seen for miles around. NAA transmitted on various frequencies; many of these were longwave, below the broadcast band, as well as shortwave.

Regular transmissions included time signals on various frequencies, starting at five minutes before the hour, and concluding on the hour with a long dash. These signals originated at the US Naval Observatory on Massachusetts Avenue in Washington, DC, and were the standard for time used around the world before the advent of WWV and WWVH.

NAA was used as the US transmitting station for transatlantic voice communications with the French station at the Eiffel Tower. AT&T engineers took part in these tests, and I have been told that the first words transmitted were "Hello, Shreve," to the AT&T engineer at the French receiving station. I believe this was around 1915.

By the time I was old enough to pay attention to the NAA broadcasts on 690 kHz, they consisted only of transmission of time signal beeps beginning at 9:55 AM and PM, followed at 10 o'clock by a voice reading of a weather report from the US Weather Bureau. My recollection is that all broadcasts of time and weather on 690 kHz ceased as of June 1, 1936.

The towers were taken down sometime during or after WWII, and operations taken over by NAA at Annapolis. The call letters NAA are still in use by the Navy station at Cutler, Maine, used to send encrypted messages to submerged nuclear submarines on VLF frequencies. Cutler also operates on shortwave. The original Arlington location of NAA became the headquarters location for the US Defense Communication Agency, and I have attended meetings at their new transmitter building. The antennas were long gone, but the back feed-through insulators still remained in place in the walls.

WCAP
This station owned by the Chesapeake and Potomac Telephone Company is one of those that I don't remember. However, I do have
some information about the history of it, gleaned from C&P employees who were involved with it during its operation.

When WCAP went on the air, C&P appointed Elman P. Freeman as Chief Engineer. I believe that Barron had previously worked in Baltimore as a motion picture photographer. Barron and I became friends after I went to work for C&P in 1939; he was a former colleague of mine.

Clarence Godfrey, W3---, was also involved with WCAP. Some time after the station was decommisioned, Clarence was in charge of the removal of the old broadcast tower from the roof of the telephone building at 722-12th Street, NW. Unfortunately, the crane operator let the tower get away from him, and it fell unbolstered from its supports, and it crashed through the roof of the building.

At that time Washington's telephone service was manual, and the city's switchboard for the downtown area and government agencies was located on the top floor of the building. I don't believe any of the employees were injured, but Clarence told me that the girls fainted by the dozens, and he had to hire a fleet of taxis to take them home.

In later years the call letters WCAP were used by a station in Asbury Park, New Jersey.

WMAL

This 250-watt station on 630 kHz, owned by the Leesburg Optical Company, was at 712-11th Street, NW, just one block east of WCAP. Its tower was relatively short, and remained in place on the roof for years after the station went off the air. The building was then moved to a site in Montgomery County, Maryland. It carried programs from the NBC Blue Network.

WOL

This 100-watt station on 1310 kHz was located in the Annapolis Hotel, which was on 31 Street, NW between 11th and 12th Streets. This put it halfway between WCAP and WMAL, but a block north of a line connecting the other two. I have wondered since what intermodulation interference must have been like in that area. WOL's antenna was a multiband flat-top, supported by two pipe-type masts on the roof of the building.

I remember WOL signing off at 2 a.m. every day, but the sound carried to the air some hours later for the evening. I learned that this shutdown was necessary to recharge batteries; however, I don't know whether these were the lead-acid battery packs or some other system. Their sign-off time was called "The Goodnight Song", and they used this for the afternoon sign-off as well as the one at night.

They were affiliated with the American Broadcasting Company; at some point WOL became the Mutual outlet for the area. Also, the frequency changed to 1270 kHz, and later 1260 kHz, with 1 kW, and the station relocated to the Maryland suburbs.

WSJ

This 500-watt station on 950 kHz was originally located in uptown Washington, in the Biggs Bank building at 14th Street and Park Road, NW, with its antenna on the roof. This placed it several miles north of the other stations clustered in the downtown area. It carried the NBC Red Network programs. Eventually it moved to Queens Chapel Road in Prince George's County with a new 5 kW transmitter and a 400-foot tower. The current frequency is 980 kHz, and it's now WWRC.

WJSV

This station's location in Mount Vernon Hills, Virginia, was near the city of Alexandria, and across the Potomac River from the Naval Research Labs at Belair, DC. This facility did enable considerable amount of radio research, in fact, the US radar experiments were made here. The Navy required WJSV to use a directional antenna to minimize the field strength of their 10 kHz 1460 kHz signal at NRL; as a consequence, WJSV's signal was unusable in a good portion of Prince Georges County, Maryland, despite its proximity. Eventually they moved to what was then a rural transmitter site in Wheaton, Maryland, with 50 kW, and a three-tower array to protect KSTP in St. Paul, Minnesota. Calls letters were changed to WTQU some time after the move, as I remember.

On 'radio's moving day' the frequency was moved around 1350 kHz, to 1150 kHz. Dave Klink, W3AIF, was chief engineer for years. I believe he is still working for the station as a consultant. "Granby" has an audio tape that tells the history of WJSV/WTQU over the years, and it's well worth listening to. Although Arthur Godfrey got his early start in broadcasting in Baltimore, his career really took off after he became the morning disk jockey on WJSV. Incidentally, the "transmitter" site is now in the middle of a suburban Washington residential and business community.

WINX

For a long time in the thirties, Washington had two stations on both 1310 and 1370 kHz: WMAL and WINX. The next station to come along was WINX, located at 8th and 1 Streets, NW, in downtown DC; this may have been in the late thirties. It operated on 1310 kHz with 150 watts, but its nighttime coverage in the outlying areas of the city wasn't very good. At one time they operated at least two synchronized satellite transmitters on the same frequency, one each at Silver Spring, Maryland, and also one in Arlington, Virginia. Arthur Bugg, one-time engineer for this station, told me that the problem of synchronizing this operation was the area of 'mush' or distortion in the equalization signal between the master and slave transmitters. He tried to adjust the transmitters so that the "mush" fell along the Potomac River for listeners in Virginia.

WBEZ

I had no prior knowledge of WBEZ before reading Mr. White's article, but I find it very interesting because I graduated from Blais Electrical School in 1959, and went back in 1945 to do my own thing during WW II when it was operated by the Navy as a Primary School for Radio Technicians. When I entered the school in the Fall of 1958 there were no signs of WBEZ, and none of the staff even mentioned the project. During the Navy course an instructor told me that the school was thinking of applying for an experimental license after the war, but I don't believe it happened.

WXJ

During the thirties the Washington area had a TV station; this was WJX, operating between 2,000 and 2,100 kHz using the rotating disk arrangement of that day. The associated sound transmitter was WJXJ, using AM just above the broadcast band's upper limit of 1500 kHz, and would be heard on most broadcast receivers, and I listened to it from time to time. These stations were located near Wheaton, Maryland, and I remember seeing the antenna array up there as well.

The station was operated by C. Francis Jenkins, an inventor and experimenter who worked on facsimile developments in addition to television.

Conclusion

Most of the above information is based on personal recollections of the period involved, with some details verified by reference to Tom Kneitel's RADIO STATION TREASURY, 1900-1946.

On the Dial

Changing Identity of WWRC

By Jeffrey Verge

A few years ago with a talk format, WWRC-AM (1120) has begun yet another unique program, "Magic in the Morning". The show originates from a studio in various locations throughout the Washington metropolitan area, and features a variety of musical and entertainment segments. The show airs weekdays from 6:00 a.m. to 9:00 a.m.

Recently, the station announced a change in its branding strategy, moving from "THE World of Sports" to "Magic in the Morning". The new format aims to attract listeners by incorporating a broader variety of musical genres and entertainment options, with a focus on creating a fun and engaging listening experience.

WWRC-AM's move to Magic in the Morning reflects a broader trend in the radio industry towards personalized and interactive programming. The station's new format leverages the station's heritage in sports broadcasting, while also capitalizing on the growing demand for diverse and engaging morning shows.

As listeners seek a more dynamic and interactive morning experience, WWRC-AM's transition to Magic in the Morning marks a significant shift in its programming strategy, positioning the station as a leader in the competitive radio landscape.

The Washington Post

via Bob Gilbert

morning competition had been strong. Dick Bows of WTOP News, now better known as "The Boss", had a strong following in the morning slot. But with the recent changes, WWRC-AM's "Magic in the Morning" has emerged as a strong contender.

Santos Fined

WTTM (94.7) Program Director Dan Schiller is facing a $5,000 fine from the FCC for broadcasting an off-color remark during a music segment.

The Federal Communications Commission fined WTTM (94.7) Program Director Dan Schiller $5,000 for broadcasting an off-color remark during a music segment.

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Majic 102.3

102.3 WOL-AM

1450

The Washington Post

Majic 102.3 is a Top 40 radio station located in Washington, D.C. It broadcasts a variety of music genres, including pop, hip-hop, and R&B.

The station's format includes a mix of current hits and popular artists, with a focus on engaging with the local community through interactive programming and local talent.

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Graveyard

DX Totals

Bill Hale
495 Creekview Road
Meridian, ID 83642-3241

Total stations logged on graveyard frequencies

1450 kHz

Logged from Jan 1, 1960 to Present

Date of Last Update: Dec 21, 1992

WDNG AL Anniston
Carl Dabedtstein
Overland Park, KS
615

WYAM Bessemer
Carl Dabedtstein
Birmingham, AL
526

WYLM Dadville
Brian Dabedtstein
Rochester, NY
937

WYJG Dalton
Brian Dabedtstein
New York, NY
914

WLYA Huntsville
Carl Dabedtstein
New York, NY
698

KLAM AK Cordova
Tom Kerfoot
Weston, ON
780

KDAF AL Douglas
Gene Allen
Lemmenjoki, Finland
3491

KNOT Prescott
Mike Sanburn
Vallejo, CA
780

KSVL Show Low
Robert Kramer
Belleville, CA
335

KOLD Tucson
Laure Boyer
Chicago, IL
1328

KENA AR Jerome
Steve Petner
Inver Grove, MN
7348

KYSR CA Blythe
Mike Sanburn
St. Louis, MO
59

KBVA Burney
Mike Hardeste
Belleville, CA
214

KOWN Bendrdido
Mike Sanburn
NAS Miramar, CA
631

KPAL Palm Springs
Laurie Boyer
Belleville, CA
92

KTPF Porterville
Frank Mallard
Invercargill
7403

KTVK Tucson
Moodle
San Francisco, CA
2319

KXME Sonora
Ben Hinninen
Lemmenjoki, Finland
4979

KXER Ventura
Don Kaskey
San Francisco, CA
107

KBOB CO Yuba City
Frank Mallard
Kaneohe, HI
2538

KXGB CO Alviso
Ben Hinninen
Lemmenjoki, Finland
4799

KCDM Boise
Mike Sanburn
Sequoia, CA
1222

KGE Idaho Falls
John William
Wheat Ridge, CO
408

KRE Red Bluff
Olive Aldm
Abisko, Sweden
4379

WNCT Road
Mike Dabb
Winnebago, WA
959

WRJW Bridgeport
Steve Goozoo
Erich, Germany
423

WPIM Poquoson
Ron Wynn
Binghamton, NY
167

WFMX Wilmington
Petit Rocher, NY
740

WDX Washington
Petit Rocher, NY
835

WWJR FL Brooksville
Youngstown, OH
860

WDFW Daytona Beach
Montreal, PQ
120

WFSU FL Fort Myers
Fairfield, CT
117

WSRS Pensacola
Lincoln, NE
313

WTVS Tallahassee
New York, NY
1042

WHBF GA Cartersville
Leominster, MA
807

WHNJ Clearwater
Alcoa, TN
123

WCTW Green Bay
Lincoln, NE
859

WMVG Millcreek
Windham, CT
830

WSAB Saint Louis
Castro Valley, CA
755

WYBL Voldosta
John Williams
West Des Moines, IA
946

KBI D Bonners Ferry
Shawn Axelrod
Winnipeg, MB
865

KVSJ Montpelier
Lee Carpenter
Sandy, UT
157

KRCI Pacific City
Ewa Hinninen
Leominster, MA
4403

KEZJ Twin Falls
Olle Alm
Fairfield, CA
755

WYON IL Cicero
Chris Lucas
Farfield, CA
700

WEKI Kansas
Pepe Taylor
Parsons, KS
181

WCVS FL Tallahassee
Niel Wallish
Winnipeg, MB
884

WAXF IN Fort Wayne
Niel Wallish
Winnipeg, MB
884

WXWY LAFayette
Niel Wallish
Winnipeg, MB
1021

WAVO Vincennes
Winnipeg, MB
857

WAQV Hillsdale, NJ
731

By Jeffrey Tyler

Whta-FM's 9:30 has cleared the Nairobi Roundabout and is now well on its way toward a more distinctive, classic music presentation. But the station's managers and the High Street Valley Broadcasting Group have already begun discussions about its future and whether its format will continue to be successful.

Whta-FM, which is owned and operated by the High Street Valley Broadcasting Group, has been on the air since 1982 with a listener base of over 250,000 people. The station's format is a mix of oldies, rock, and adult contemporary music.

The station's managers say they are pleased with the station's performance and are looking forward to the future.

For more information, please contact Jeffrey Tyler at (206) 555-1234.
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Mac Shortwave
Mac Shortwave: An 84K Application.

For MW DXers, this software is probably the least use of the three. Still, it can be valuable when used with the understanding that it is intended for SWLs. Upon opening the Application, today’s date is already displayed on screen, dependent upon the user having properly set the Mac’s Alarm Clock. (See Fig. 1)

Fig. 1 Mac Shortwave opening screen

Forty-nine buttons also appear on screen. These buttons can be pushed by pointing and clicking the mouse. Forty of these buttons are “locations” that can be individually programmed by the user. These can be “target cities” (stations), or simply “indicator” cities located in general areas from where DX is desired. One button is reserved for the receiving location, and the other 39 are individually programmed via a simple procedure: Pushing the “Change Buttons” button executes a straightforward dialog box into which requested info can be keyed. Six additional buttons can then be pushed to set Month, Date and Solar Flux. (As with all Propagation Software, obtaining Solar Flux Values from WWV prior to utilizing this software is a must!) Pushing the “Display Chart” button executes a chart of projected Maximum and Minimum Useable Frequencies between transmitting and reception sites for a 24 hour period beginning at midnight, or any local time the...
user chooses. Also displayed is distance (mileage) between transmitting and receiving sites, and bearing heading in degrees. (See Fig. 2) Pushing "Previous Chart" allows for overlay of up to 20 previously-generated charts (within the same session) for comparison.

![Fig. 2 Mac Shortwave chart screen](image)

Mac Shortwave does have a few drawbacks, thus making it of "least use" of the three Applications to the MW DX'er. Most notable is its propensity for "flattening" the bottom end of the Max and Min. UF curves at about 3 or 4 MHz, even when the Max and Min fall below that. For MW DX'ers, this can be a bit frustrating considering that all frequencies DX'ed are considerably below that lower limit. Both Mac Mini MUF and DX Helper (reviewed below) bring the bottom of the curve to a much lower point.

Another of Mac Shortwave's drawbacks is its questionable accuracy. Going head-to-head-to-head with Mac Mini MUF and DX Helper, there can at times be huge discrepancies between Mac Shortwave's projection of MUF's when compared to the projections of the other two. Ninety-nine percent of the time, Mac Mini MUF and DX Helper agree to within a couple KHz. In their propagation projections. At least 50% of the time, Mac Shortwave's projections vary widely. In practice, I never allow Mac Shortwave to stand as the final authority on any particular day's propagation projection.

If for no other reason, Mac Shortwave can still be valuable to the MW DX'er in that it accurately displays bearing headings in degrees (for pointing loop antenna nulls) and accurately calculates mileages. In addition, a rough idea of maximum and minimum useable frequencies and times of occurrence can be obtained by using Mac Shortwave. This can at least supply the MW DX'er with a general idea of when and by how much the propagation conditions will be or have been changing, allowing for possible exploitation of an anticipated opening.

Mac Shortwave 1.0 is @ 1989 and is priced in the under $10.00 range as part of a package of Shareware that includes Mac Mini MUF. Contact Kinetic Designs, P.O. Box 1646, Orange Park, FL 32067-1646. It can also be obtained for a $12.00 Shareware fee from its producer, DBC Research, 2704 Nighthawk Dr., Plano, TX 75025-2126. A newer version may well be available, but even after sending in my Shareware fee more than a year ago, no news on its availability has been forthcoming.

![Fig. 3 Mac Mini.MUF chart screen](image)

Mac Mini MUF: A 53K Application. This Application is useful to the MW DX'er if for no other reason than because it accurately displays a propagation curve on its chart that goes down to as low as 2 MHz, instead of simply flattening-off the bottom of the curve at some randomly-pre-determined 3 or 4 MHz limit. In addition, a 24-hour, hour-by-hour digital readout accompanies the curve, for greater accuracy when trying to pinpoint a lower or upper limit. When the bottom of the curve falls into the below-5 MHz area, it is possible that propagation in that at least the upper-end of the Broadcast Band may begin to be affected. It is reassuring to the user that the digital readout resolves frequencies to a tenth of a MHz.

There are no pre-set buttons to be programmed on Mac Mini MUF. The date is already displayed on screen upon the opening of the application, dependent upon the user having properly set the Mac's Alarm Clock. (See Fig. 3)

Mac Mini MUF will accept either the standard-issue WWV Solar Flux Value, or its "Sunspot Number" equivalent. Upon opening the Application, the transmitting and receiving latitudes and longitudes automatically default to 42.3 lat., 77.8 long.; and 43.5 lat., 72.8 long., respectively (somewhere near Rochester, NY and Rutland, VT), and the Solar Flux Value automatically defaults to 146. All settings can be changed simply by double-clicking on the box and keying in the proper info. After having completed that operation, simply press the "GO" button and Mac Mini MUF displays an MUF chart.

Unfortunately, Mac Mini MUF is sort of a bare-bones propagation Application, and as such, displays no calculated mileages or bearing headings, as does Mac Shortwave. However, it appears to be quite accurate, at least when compared with DX Helper and against Mac Shortwave. When two Applications agree on propagation calculations and one is in disagreement by several Mhz, its easy to question the one renegade.

Mac Mini MUF is @ 1987 and was created by J. Scott Weaver K20VS, 5 Sayles St., Alfred, NY 14802. There is no Shareware fee listed on my copy, but it is priced in the under $10.00 range when purchased as part of a package of Shareware that includes Mac Shortwave. Contact Kinetic Designs, P.O. Box 1646, Orange Park, FL 32067-1646.

![Fig. 4 DXHelper Rectangular Map screen](image)

Pressing the "Az/Eq Map" button will execute a North Pole-projected Great Circle Map of the world centered on the receiving site's location. (See Fig. 5) Pushing "Obblasts" will bring up a list of Russian Oblast prefixes and corresponding Ham Radio-related info. Pushing "Int'l" will execute a list of international Ham prefixes. Selecting one of the prefixes will result in a box that details the name of the host country.
Most of the info displayed when in the “Oblast”, “DXCC” and “Int?” modes is of little use to the MWDX’er, and thus will not be detailed here. Of major interest is the “Rect. Map”: Choosing any spot on the globe and clicking the mouse will execute an info box with the following MWDX pertinent information for the selected site: Latitude; Longitude; Time Zone; Bearing degree; Distance (miles); current date and time in GMT; Sunrise and Sunset (at the selected site); and MUF. Double clicking on the selected site will yield this same info box, along with a 24 hour propagation chart that also delineates the current time. (See Fig. 6)

The Sunrise and Sunset listing feature is of particular interest to MWDX’ers interested in those particular modes of propagation.

In addition, DX Helper features the following: A display point (circle with a cross in the middle) on the Rect. Map that represents current noon, wherever in the world it happens to be; an option that allows for CW code practice; and an option that allows for the display of current Gray Line. Also available is an option that allows for a Distance and/or Bearing List for major countries (based on the receiving site) to be printed to an ImageWriter printer. Under the Option Menu, an alarm can be selected which, when turned on, will automatically sound off at 17 minutes past each hour (provided the Mac’s Alarm Clock is properly set) to remind the user to tune to WWV at 18 minutes past the hour to receive the latest propagation information. Also under the Option Menu is a Refresh option that will automatically update the Gray Line and time every ten minutes to negate the need to restart the program to redraw the screen.

Perhaps the most interesting of the options offered is the MUF/Area/Gray Line Display. This allows the user to input an upper, mid, and lower frequency limit. The Mac will then display on the Rectangular Map the areas of the world where the MUF falls above and below the mid-point. (See Fig. 7)

Alarm Clock must always be set to GMT (thereby displaying erroneous date and time for the user’s local time zone when called up), or the user must always remember to re-set the Alarm Clock to GMT before using DX Helper, then set it back again to local time when shutting down.

Additionally, the MUF/Area/Gray Line feature typically takes up to six minutes to calculate an entire world map. And if the user’s screen saver (such as After Dark) happens to kick-in during the calculation, cancelling it will not restore the MUF/Area/Gray Line calculation routine on the screen; it must be re-started, thereby tying up additional computer time. (Temporarily killing-off the screen saver is the most effective remedy for this malady.)

Another annoyance is that the Distance and Bearing Lists will print only to an ImageWriter; those of us with Bubble Jet or Laser printers must do without hardcopy (and the lists will not display on screen...)

DX Helper 1.4 is © 1989 and was offered for approximately $40.00 at release. To my knowledge, there has not been an updated version yet made available. It can be ordered from Mac Traf Software, P.O. Box 1590, Port Orchard, WA 98366.

Although each of the above Applications was written in the late 1980’s, all are compatible with System 7. (Oddly, Mac Mini MUF will only run under System 7 with Virtual Memory “on” and set to 5 Megs.) Each will run under System 6.x. If desired, all three can be run simultaneously on earlier Systems (a pseudo-simulation of one of System 7’s tricks) if the user utilizes System 3.02 and Application Switcher 1.5 (contact me personally for more info on this; Application Switcher may no longer be marketed or available through software outlets.)

The wise MWDX’er learns that MAP can be a useful supplementary tool...
when utilizing any of the reviewed Propagation Software; no longer must the user dig through hardcopy references to locate coordinates for the target of choice; quickly referencing MAP will supply the necessary data (provided it was properly keyed-in by the user!) I have re-named my copy of MAP "DX Locator" (for alphabetical purposes) and placed it under the Apple Menu to allow for quick reference. Because I reside on the west coast, my "DX Locator" is chock-full of California, Hawaii, Arizona, Washington, Oregon, Idaho, Montana, Nevada, British Columbia, Alberta and Utah cities. Custom-tailing of MAP will allow each individual user to better suit his/her own needs. MAP is ©1987-1991 and is available (if nowhere else) from Apple dealers (as part of their "free" System upgrades).

Even though the IBM-knockoff groupies apparently out-number us, there is still room in the MWDX world for us Mac users. Anyone who has tried, who is willing to try, or is currently using any of the above-mentioned software and would like to compare notes is encouraged to contact me. Comments and/or suggestions are, of course, welcome. I can be reached through the IRC Members List.

Review of the above software: Applications does not, in any manner, constitute an endorsement of the product or a recommendation of purchase by the author.

This article was written and compiled on a Macintosh LCII/80, utilizing Microsoft Word 4.0, PageMaker 4.2 and TypeStyler 2.0. Graphics are "snapshots" of actual on-screen displays.

The NRCA Radio Log, 13th Edition, is the most accurate AM radio listing of stations in the U.S. and Canada. Only $16.95; Canada $17.95 to U.S./Canadian NRCA Subscribers ONLY. $19.95 to U.S., Non-NRCA Subscriber; $20.95 Canadian Non-NRCA Subscriber. Airmail to Europe, $27.00, to the Pacific nations, $32.00.

Mail to: NRCA Publications - Box 164 - Mannsville, NY 13661 (NY residents add sales tax).
**The following list shows all those transmitters which are expected to be in service by the beginning of full test transmissions on April 1st.**

<table>
<thead>
<tr>
<th>TRANSMISSION STATION</th>
<th>COUNTY</th>
<th>FREQUENCY (MHz)</th>
<th>MAXIMUM POWER (kW)</th>
<th>NATIONAL GRID REFERENCE</th>
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**Notes:** The services at Bos: hampshire, yorkshire and wales are being provided on a temporary basis until plant and facilities can be made available permanently. The transmitted power at these sites vary, therefore, the lower power for the listed site is the one in operation.

* Denotes directional service pattern in use. Virgin 1215 will be radiating in excess of 700kW, making it one of the most powerful commercial radio stations in the world.

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**Official National Radio Club Stationary**


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---

**Virign Radio 1215**

Thank-you for writing in to Virgin Radio. We are pleased to send you the following information on VIRGIN 1215.

- **Virgin 1215** is the first national commercial rock station to be introduced.
- The licence was granted by the Radio Authority in Spring 1973, to a joint venture company formed by Virgin and Traidem. On 8th March, Virgin increased its stake to 75%, while venture capital company Apex agreed to contribute 25% from Traidem.
- The stations will go on air at 1115 in the afternoon on Sunday, 30th April 1974.
- **Virgin 1215** will broadcast 24 hours a day, 7 days a week.
- It's guiding principle will be 'Much More Music', with intelligence and informative comment, not to chatter.
- The music will encompass all the classic tracks of the past 25 years. Not Golden Oldies, but great music for the generation who grew up knowing the difference between good music and the rest - and who still listen to the best of the new music today.
- Virgin 1215 will be the first station to broadcast a weekly chart show concentrating on the latest albums - the only accurate guide for listeners who take their music seriously.

The network is a whole based on that formerly occupied by BBC Radio Three. However, we have installed new high power transmitters at Breackwood Park, Westford, and Bredgwick. More's Edge has two new DX50 units, (running in parallel) and this survey has been equipped with a new Hays DX10 transmitter. (Bexleyheath in Scotland already operates a DX50 unit.) Several other developments have been made, notably the addition of relays transmitters for those areas where surveys showed reception was below par.

Our signal is also benefiting from the use of Optimax audio processing and we have had a unit fitted at each individuals transmitter site, providing us with the ability to 'fine tune' each and every transmitter for optimum performance. In addition, the Optimax units have been customised to provide us with 'brighter' audio quality, and so far, all reports we have received indicate that this has met with your whole-hearted approval.
Because of a major "Nor'Easter" storm that knocked out power along the Eastern seaboard, many listeners were unable to hear WNEW's final broadcast to a music station on Friday, December 11, 1982.

Now, through the magic of radio tape, and one person's expertise of ham radio, we will hear "The Last Days of WNEW, 11-3-0 in New York" is a 90 minute program offering you one last listen to WNEW's morning drive, the midday "Make Believe Ballroom" with Jim Hulen, and afternoon drive with Mark Simone. You'll hear some of the great moments in station history modified as Simone chairs with Bruce Williams, Paul Cavallaro, Joe Teglia, and longtime WNEW announcer Ted Brown. It also includes many station jingles, and various bandleaders' renditions of the WNEW theme.

WNEW first gained fame as a music station during the coverage of the Lindbergh baby kidnapping trials, when announcer Martin Block played records during breaks in the trial coverage. (WNEW being a new station couldn't afford to have live bands play in the studio, so was the norm at that day). But Westwood One, getting out of the radio ownership business, and Robert F. Stillerman, each sold their half ownership to Bloomberg Financial, and business news is now broadcast at 11-30h in New York.

"The Last Days of WNEW, 11-3-0 in New York" is delivered on same brand audio cassette and tape for $6.00 postpaid to North America, (overseas add $1.00)

WQXR-AM New York decided to end its broadcast with 96.3 FM, and picked up for the big band / nostalgia format early in December of 1992. A companion tape, "The First Days of WQXR" lets you hear the changeover from classical to "American Folk" style, and a sample of each air personality hired to keep the format going in New York City. This tape also lists for $6.00 North America, $7.00 elsewhere.

Those who wish to order both tapes can do so for just $10 N.A., $12 overseas.

CIA offers other historical material such as the last days of WNBC, some WABC, the switchover of WJZ on 1050 and then on 660. An 18 page listing of tapes is available for a large SASE with 50 cents postage on it (free with any order).

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16 pages of tips and suggestions for the non-Spanish-speaking Latin American DXer. Includes tips on identifications, catchwords, speech patterns, music, news, advertising styles, brand names, weather and time check formats, and much more. $17.95, from NRC Publications. NY orders, add sales tax.

Bruce Elving's FM Atlas ... 14th Edition
The world-famous guide which has served FM DXers for over 20 years is available from NRC Publications at the special price of $12.00. NY orders, please add sales tax.