



DX NEWS

The magazine of the
National Radio Club

SINCE 1933

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From the editor ...

Along with a whoooole bunch of DX, this issue marks the return of two columns, Bandscans and DDXA. And I can tell you that thanks to several volunteers (narrowed to one) IDXA will soon return to these pages after an absence of over six years.

Where did all the northern DX go? The accompanying article will explain, if you haven't heard already. Of course the inconsistencies from day to day in DX were strange ... for example, in Topeka one night all westerns, even KOA, disappeared; the Chicagoans were mere whispers; while WCCO and WWWE were in fairly strong. On St. Patrick's Day, anything east of St. Louis just didn't exist. And I swear that light meters on my cameras at school were even thrown out of whack for a short while!

They joined ... Kjell Fuglestad, Grimstad, Norway; Ron Rader, Omaha, NE; Russell Scotka, Pompano Beach, FL.

DXChange ... Barry E. Shinall would like to acquire and trade 1970's airchecks of "the biggies" ... WLAC, WLS, WABC, WCFL, WNBC, and other Top 40 stations. If you have any tapes from this era, contact him at P. O. Box 1 - Cedar Bluff, VA 24609. He'll provide the tapes or trade.

DX Test ... exact date is missing ... but I believe it's a mid-April MM, 0200-0230 ELT ... WCFS-1260 (William M. DeFelice, DoE - 163 Main St. - Westport, CT 06880), by Bob Harrison and the Colorado CPC machine.

Publication Schedule, Volume #56

Issue #	Deadline	Masthead Date
25	April 15	April 24
26	May 20	May 29
27	June 17	June 26
28	July 15	July 24
29	August 12	August 21
30	Sept. 16	Sept. 25

Largest solar flare in decade erupts

The Topeka Capital-Journal, Tuesday, March 7, 1989

LA Times-Washington Post Service

A giant solar flare, the largest in a decade, erupted on the sun Monday and its shock wave will hit Earth today, possibly disrupting radio communications, scrambling electronic signals in satellites, and creating a display of northern lights that may be visible in the northern United States.

The flare burst from the sun's surface just before 8 a.m. Monday Topeka time, and some of the effects were felt immediately. Blasts of light and X-rays from it first struck Earth in eight minutes, blacking out shortwave radio communications and briefly giving false readings on the navigation systems on thousands of ships. It lasted a few hours.

Intense showers of electrically charged particles from the sun, including protons and electrons, are expected to start arriving today and to continue through Wednesday. The intensity of the resulting "geomagnetic storm" is not yet known and is not easy to predict. "It's like trying to forecast a snowstorm in Washington," said Joe Hirman of the National Oceanic and Atmospheric Administration.

More large flares may be coming in the next two weeks, Hirman said. "This sunspot just came over the edge of the sun and it will take about 14 days to cross it (as the sun rotates on its axis). There is definitely a chance of more flares, because the chances are that this spot will

keep doing something."

In the past, the worst storms have shut down electrical power systems over wide areas, even for an entire nation as happened in Sweden two decades ago. Satellites have been shut off, had their instruments severely damaged, or even dragged out of orbit as the Earth's atmosphere expanded in response to the flare, pushing the upper atmosphere to the altitude of low-flying satellites.

Because a geomagnetic storm can cause surges of current on electrical wires, computers can be fouled up as well.

The most famous effect of the sun's flares is to create the aurora borealis, the northern lights. If the storm is as intense as expected, people in the northern one-third of the United States should be able to see some glow on the northern horizon about Wednesday night if the skies are clear.

Monday's flare signals the beginning of a predicted period in which many more sunspots and their associated flares are seen. Sunspot intensity fluctuates in 11-year cycles. The peak of this cycle is expected this December.

Sunspots and flares are both the result of the stretching and distortion of the huge magnetic bands within the sun. But sometimes they are twisted and stretched so much that, like a rubber band, they may snap. The snap releases vast energies that become the solar flares.

DX Time Machine, from DX News

Twenty-five years ago ... from the March 28, 1964 issue: Randall J. Seaver, San Diego, CA heard WCGC-1270, WHIO-1290, and WSPD-1370 on 3-16.

Ten years ago ... from the March 19, 1979 issue: The poetry problem was cooling down, finally.

THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB

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 NRC members

CALL LETTER CHANGES

Old call:	New call:	Old call:	New call:
720 *new CA Templeton	KGVV	1270 *New MA Fairhaven	WEDD
790 WVEZ KY Louisville	WKY	1380 WNAQ CT Naugatuck	WFNW
910 WTGE LA Baton Rouge	WNDC	1490 WCKP FL Milton	WFECM
980 WCVT GA Rossville	WLMX	1500 WKRP GA Durlina	WDPC
1050 KNXX NM L.R. de Albuquerque	KMBA	1520 WINW OH Canton	WRQK
1200 *New MI Taylor	WBTO	1570 *New OH Athens	WLWZ
1220 KLIP CA Fowler	KRGO	*New WV Elk Hills	WMSF
WERT OH Van Wert	WKSJ		

APPLICATIONS FOR NEW STATIONS

None

GRANTS FOR NEW STATIONS

- 880 VA Dayton: 1000 D3
- 1570 WV Elk Hills: 800/250 U1

APPLICATIONS FROM EXISTING FACILITIES

- 550 WICE RI Pawtucket: 4600/3400 U4 (reapplication)
- 590 WAFC FL Clewiston: powers to 5000/5000 U3, city of license to Cape Coral, FL (which is a major move, over 70 miles to this Fort Myers suburb)
- 730 WJTO ME Bath: day power to 10000 watts, add 500 watts nights
- 870 WJBQ ME Gorham: change powers of their 870 kHz CP to 10000/1000, still operating on 1590 kHz
- 1040 WYFX FL Boynton Beach: powers to 25000/1100 U4
- 1540 KTTG MI Spring Arbor: power to 490 watts (200 CH)
- 1580 WTCL FL Chattahoochee: power to 10000 watts, add 500 watts nights U2
- WJIK NC Camp Lejeune: CH power to 10000 watts (has not yet moved to 830 kHz)
- 1590 KELP TX El Paso: night power to 500 watts

GRANTS TO EXISTING FACILITIES

- 980 CHTX PQ Montreal: to 990 kHz with 50000/50000 U4
- 1160 WELX FL Callahan: powers to 500/250 U1, dismiss move to Jacksonville (by the way, the Log shows another application for a new station in Jacksonville, cross it out, evidently something that got left in from previous Log, t'was denied when Callahan CP was granted)
- 1410 WDOV DE Dover: antenna to U4, changes in antenna system
- 1540 KGLA LA Gretna: day power to 1000-watts

OTHERNESS

- 910 WORD SC Spartanburg: station is SILENT but expected back soon
- 1010 KPSL CA Thousand Palms: application for 5000/2400 DISMISSED
- KKGZ CO Brush: station is SILENT but has been sold, expected back soon
- WXTL FL Jacksonville Beach: application to reduce night to 5000 DISMISSED
- 1040 WJTB OH North Ridgeville: station was silent due to fire, returned to the air several days later, had ANOTHER fire and was silent for several weeks, is once again back ON THE AIR, all this in one month's time!
- 1050 WQWM WI Kaukauna: application to add 900 watts nights DISMISSED
- 1070 KWSA OR West Klamath: new station is ON THE AIR
- 1220 KBET CA Canyon Country: target date is 3-1-89, should be on the air by now
- 1290 WGLI NY Babylon: station has been bought by owners of WADO-1280 kHz, new owners have announced plans to take WGLI off the air to avoid the interference they have caused to WADO, evidently with the blessings of the FCC (see clipping elsewhere in this issue)
- 1450 WJBX CT Bridgeport: station is SILENT but due to return with SS format
- 1540 WZAL GA McDonough: move to 1410 kHz expected 4-3-89
- 1600 WWBR TN Harriman: despite a report to the contrary, station is still SILENT and owners say they are NOT planning to return it to the air

THANKS to the following members who contributed to Otherness this edition: ANDY RUGG,



ERIC BUENEMAN, ANTHONY CASAMASSIMA and DANA YEOMANS (who listens to AM Switch via the DX Audio Service)

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

FCC comes to aid of AM

Commission proposals allowing agreements between stations to improve coverage and reduce interference

In another effort to improve the quality of AM radio and halt the erosion in AM listenership, the FCC set forth proposals at last Wednesday's (Feb. 22) open meeting to encourage AM broadcasts to reduce interference in the band through agreements to adjust coverage areas and shut down stations ("Closed Circuit," Feb. 13).

"The commission has been accused...of focusing too much on adding competitors to the mix...and not enough on the quality of service by existing competitors," said FCC Chairman Dennis Patrick just before the unanimous vote to launch the AM improvement rulemaking. "Here we shift that focus a bit and...focus very precisely on [quality]."

The proposals represent a "restructuring of our policy and rules to allow for contraction...of the AM service when contraction would promote improved service overall," said Diane Hofbauer, who drafted the proposals. "While some contraction of existing service may result in a marginal loss in the number of stations receivable in some areas, the net gain in quality of the AM service could well better serve the public interest without any significant loss in diversity."

Broadcasting, via Jerry Starr

NAB Radio Finished

by Alan Carter

Washington DC After months of frustrating delays, the prototype for NAB's "ultimate radio" is finished.

"It's a fully working prototype," said NAB Science and Technology VP Michael Rau. Among the technical features of this special radio are AM stereo, the NRSC preemphasis standard and FMX for FM stereo extension.

NAB initially premiered the radio, designed by consultant Richard Sequerra, at Radio '88 last fall. But the radio was not finished, with neither the AM portion nor continuous tuning operating.

Rau said the recently finished receiver has C-QUAM AM stereo on a board replaceable with multi-system boards which allow for reception of multimode stereo or Kahn ISB stereo reception only. The multi-system boards use a chip developed by Sanyo, available as a sample but never put into general production.

Rau declined to elaborate if he would

Case in point

One broadcaster encouraged by the FCC's latest AM improvement proposals is Herb Levin, senior vice president-general manager and part owner of WADO(AM) New York. Radio WADO Inc., the licensee of the Spanish-language station, just agreed to purchase WGLI(AM) Babylon, N.Y., for \$375,000, not because Radio WADO wanted another station on Long Island, but because it wanted to eliminate the adjacent channel interference the station was causing in the Hispanic communities on the western end of the island, Levin says. Once the FCC approves the deal, he says, Radio WADO will take WGLI off the air and pick up more than 100,000 potential new listeners. "This is a perfect example of the free market working," he says. "I have a chance to pick up some audience and I save another AM from a very difficult future."

Levin says he will go ahead with his consolidation plans regardless of whether the FCC adopts its proposal to deny the protection rights of stations that go dark to replacement stations. But, he says, he would feel a lot better knowing that once he surrenders WGLI's license, another group will not be able to apply for the channel and cause the same level of interference.

At a press briefing following the meeting, Mass Media Bureau Chief Lex Felker said the proposals would encourage a station to eliminate interference from another station by buying it and surrendering its license. "It also allows for some give and take—some cha-cha between stations where one station can increase its coverage and quality substantially while another contracts its service area."

The proposals: 1) accept routinely two or more applications for modification of service that are contingent on one another if they are part of "interference-reduction arrangements...; 2) not accept competing applications from stations not a party to such arrangements, and 3) deny "radiation and protection rights" of stations that go dark to any applicant seeking to put the station back on the air.

"By accepting contingent applications, we would give stations more flexibility in adjusting their service areas," said FCC Commissioner Patricia Diaz Dennis in a prepared statement. "By deleting radiation and protection rights for stations that go dark, we would finally be able to end our counterproductive practice of licensing replacement stations that do not meet our current interference criteria."

The proposals could lead to a "less cluttered AM dial," she said. "Listeners could benefit from the emergence of more high-power AM stations that have the facilities to cover an entire market and the resources to compete effectively."

Dennis framed the problem the proposals are trying to address, noting that AM's share of the radio audience has fallen from 73% to 25% in the last 16 years. The FCC has authorized "so many stations" that interference has become "a serious problem" and stations, particularly low-power ones, have had a "hard time reaching their whole market."

"The FCC cannot save AM in a single proceeding," Dennis said. "We can, however, try to create conditions in which AM stations have the opportunity to compete effectively."

The reaction of the National Association of Broadcasters was lukewarm. Jeff Baumann, executive vice president and general manager, said the trade association was

pleased the FCC had "recognized the need to reduce interference and congestion on the AM band. However, to the extent that the commission's proposal advances the buying and selling of spectrum between AM stations, we again express our concern as to the wisdom and legality of this proposal."

The NAB and many of the broadcasters it represents are wary of any move toward determining coverage areas through private negotiations. Felker has advocated (and the NAB has steadfastly opposed) "negotiated interference"—that is, giving broadcasters freedom to negotiate among themselves the level of interference they cause and receive without regard to any interference and protection standards.

Felker said last week's proposals fall far short of what he would define as "negotiated interference." In exchange for cash or some other consideration, a station can agree to reduce power and coverage so another station can increase its power and coverage, he said, but both must still adhere to the FCC's interference and protection standards.

Those standards have gradually become more stringent over the years and are expected to become even more stringent in the future, Felker said. But only new stations must adhere to them, he said. The new proposals provide a "framework" for existing stations to make the changes needed to meet today's standards and tomorrow's, he said.

Patrick stressed that the FCC was not abandoning its role as spectrum manager. The FCC will evaluate all interference-reduction arrangements on a case-by-case basis "to insure that the public interest is not jeopardized in any way," he said.

Although the FCC, through its proposals, wants to encourage some stations to go dark, it does not want to deprive any community of an adequate level of service. As Felker put it, the FCC does not want to create any new "white" or "gray" areas.

The rulemaking proposes the adoption of a "service floor"—a minimum number of stations that must serve an area following any changes in facilities. Felker said the floor could be four or five stations, but that the rulemaking makes no specific proposal and invites suggestions.

be searching for a manufacturer to build the radio on a trip to Japan in mid-February during which he would be meeting with representatives on various radio and TV issues. (See separate story in News Briefs.)

For more information contact NAB Science & Technology at 202-429-5346.

wvna

AM 1590 FM 100
P.O. BOX 477 • TUCUMCUMBA, AL 36874

Radio World
-via Paul Swearingen

Domestic DX Digest - East

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

William Hale
2160 Farm to Market Road
Johnson City, NY 13790

MEDIUM WAVE ramblings

- A record turnout this issue!! Without a doubt, the biggest and best since I've been editor (almost 3 years now). Thanks in part and a BIG welcome to three new reporters, Tony ~~Cassanese~~ of Carmel, NY, Al ~~Mulick~~ of Pigeonville, PA, and Barry & Nancy Shinall of Cedar Bluff, VA. Word has it that Barry did the listening, but Nancy did all the dirty work, ~~re-readin' the writin'~~, and typing the loggings into what is one of the easiest reading reports I've gotten all year. Thanks, Nancy. Barry's doing the dishes for a month!
- Phil Boersma writes to comment on Morris Soranson's inquiry in Issue 20 about hearing stations on 1580 after Local Sunset. Phil says stations on 1580 are all authorized some kind of nighttime power-even if only a few watts. Some stations may "forget" to power down after dark, however; staying on full daytime or PSSA power (which is higher than nighttime power). All stations on the former Canadian Clears may go fulltime-but with very low powers at night, so not all opt to do so.
- Wendell Ford reports seeing Robert Feder's column in the Chicago Sun-Times on 2/6 saying that Fred Sanders and IRN has added a 6th 50 Kw station. KTNN-660 recently signed on with Fred, and probably goes 24 hours now. This makes 33 the number of IRN stations; also, per Larry King, WKIX-850 is his new affiliate in Raleigh, NC.
- More on the KTSS saga...from Doug Smith of Madison, WI whilst driving past the Quad Cities on 2/17:KTSS is indeed silent. However, Bettendorf, IA religious station KBQC (93.5) was running a pledge drive, suggesting that if they raised enough money, there'd be gospel music on AM 1580.
- I want to warn you before you read the loggings, that Fred Vobbe has contributed to this issue. Those with weak hearts and other similar maladies may want to skip those loggings with FRV-OH following them. This has been a Public Service Announcement of DDxD-E.
- The KXEN-1010/Eric Buessman saga continues with local civic leaders getting involved, and programming being lined up...if all goes as planned. Watch this space ☐.
- Due to a computer error, all the computations for Esa Henninen's Graveyard catches were wrong (all farther than in reality). I have corrected this error and all the distances have been recomputed and changed in the individual lists. They will not be reprinted in this column, however. I apologize for any inconvenience caused to Esa or anyone else.
- I have received GY lists from Laurie Boyer of Invercargill, New Zealand and Wayne Melinen of Aurora, Colorado. The scoop on those loggings will appear soon. This GY thing is getting to become a fulltime job. But I love it. Keep your lists coming!
- If we could only get radio stations to ID at :15, :30, and :45 like TV stations seem to be doing.
- Remember when reporting, keep the loggings concise, current (no older than 6 weeks old by the masthead date of DX News, as I'll edit), print neatly or type (preferred), put your name on each page you send, & include \$1000 with each report. That's all. From the looks of the new schedule (Issue 19), the next deadline here is April 8th.

SPECIAL **CKKW** **1090**

- 580 CKEY ON TORONTO - 2/19 2328 with brief annc't; Our call letters are CKEY, our name is Key-590; this is the 1st time I've heard them use their CLs since they adopted the Key-590 slogan nearly a year ago; at that time they announced that they were a new radio station and that CKEY no longer existed! Unlike American stations, Canadians are not required to give a legal ID on the hour (MS-ON)
- 670 WWFE FL MIAMI - 2/23 0930-1030 CP hrd testing; no ID; strong, Cuban under--680 & 550 (PT-FL)
- 830 KFLT AZ WINDOW ROCK - these are correct CLs; see question raised by Frank Merrill in Issue 20; when stn moved from 1450, KFFX stayed on frequency (TH-CA)
- WADU LA NORCO - 2/11 1844 with BFL mx, has just gotten better at WADU, now you can listen to us 24 hrs a day @ AM 830+EZL, no Oldies!; lost @ power/pattern change (WPF-IN)
- 800 KXIC IA IOWA CITY - this stn has been 24 hours for a least a year now, so disregard 0100 sign-off in the log; according to OpM Jim Elmer, day power is 1 Kw, night power is 200 watts, PSA is 500 watts (RD-IA)

- 920 KARN AR LITTLE ROCK - 2/1 0357-0400+ noted with Sally Jesse, so is now Talkradio overnight along with Talknet @ other times (add to your log); +CBS Nc, over/under CKCY (RJT-NC)
- 930 WKCT KY BOWLING GREEN - 2/8 0449-0501+ noted with Best of King, ID @ 0400 by Larry King (add to your logs) (WPF-IN)
- 980 WSIX TN NASHVILLE - 2/18 0430 noted with MBS Nc, then back to King (add to your log); weak in usually strong WONE (WPF-IN)
- 1050 CHUM ON TORONTO - has dropped Oldies for soft rock (MS-ON)
- 1090 CKKW ON KITCHENER - has dropped Oldies for CHR; uses slogan:AM Stereo 109 (THAT'S something NO FM station can say-hi Ed.) (MS-ON)
- 1100 WWWE OH CLEVELAND - 2/12 0209 noted with Tom Snyder, so add ABC Talkradio to this stn in your logs...drops Talknet to WHK? (WPF-IN)
- 1200 WFSF AL OZARK - CL change, ex:WAYD; still GOS format, but change to occur soon (RJT-NC)
- 1210 WBIU LA DENHAM SPRINGS - 2/11 1842 Reaching out with the mx, this is Bayou 1210, WBIU+REL mx; maybe all-REL Saturday's? (WPF-IN)
- 1260 WNDE IN INDIANAPOLIS - 2/13 1906 noted with Sally Jesse, so this is Talkradio with Larry King overnight; add to your logs (WPF-IN)
- WKXR NC ASHEBORO - 2/24 0539-0555 On with SNOW EMERGENCY-school & office closings & relays; good signal for awhile, then dropping under WWDC/others in background (HH-ND2)
- 1320 WLEE VA RICHMOND - 2/15 0800-0820 strong with sign-on; gave address as 3977 Flat Rock Rd folo by SSB; OLD/NOS mx, with travellers wx; slogan:Address of the Stars (RD-IA)
- 1330 WEYZ PA ERIE - moved here on Mar 4th, leaving 1330 open for DX (HS-PA) & (FW-PA)
- 1420 KIXT AR HOT SPRINGS - 2/18 1907-1913+ out of ABC Info or Direction Nc on E2 1420-KIXT+BFL mx; 1st-timer in 5 Kw WIMS null, just 13 miles north of me; format & Nc Network change? (WPF-IN)
- WHK OH CLEVELAND - 2/13 0300 ID by Bruce Williams; This is Business Radio 1420, WHK, Cleveland, your stn for Talknet, so add to your logs (WPF-IN)
- 1440 WZYX TN COWAN - 2/17 1900 with ads and Oldies mx on a Solid Gold Weekend; format change from C&W? (WPF-IN)
- 1450 WJBX CT BRIDGEPORT - is silent, as of 2/22; it has been sold, and is expected to come back as WCUM, for Cumbro Broadcasting Company; the stn will carry SS programming for Bridgeport's large Hispanic population; meanwhile, DX on 1440-1460 has opened up (TF-CT)
- 1510 WSSH MA BOSTON - 2/19 0100 noted with C&W mx format; slogan is 15-10 Country; ID noted as:Welcome to the new sound of 15-10 Country, WSSH Boston (WW-MA)
- 1600 WBBB WV WHEELING - 2/17 & 18 1854-0353+ The music of your life on WBBB, AM 16-hundred, wx forecast of freezing rain drizzle overnight+BBD; no Larry King; ex:WZMM & no 107.5 simulcast; 1st-timer; too good for 33 watts, 8 dots on S-Meter (WPF-IN)

WEEP
1080AM

UNIDs AND UNIDs IDd

- 740 UNID ?? - 2/15 0638 fair with satellite-fed Oldies; looped west; KRMG faded up @ 0641 with local DJ, so it was not them (DB-DE)
- 800 WALD CT DANBURY or WJAT GA SWAINSBORO - either could be that heard by Wendell Ford on 1/11 (Issue 20) (TH-CA)
- 810 WJLT VA CROZET - could be unID heard by Wendell Ford on 1/18 (Issue 20) (TH-CA)
- 850 WJAC PA JOHNSTOWN - is the Transtar Oldies stn!WEWP-1250 heard by Wendell Ford on 1/11 (Issue 20) (TH-CA)
- 1040 UNID ?? - 3/4 0852 fair under WHO with local Tradio-type pgm; hrd ment of 234-1340 phone #, but this wasn't # of stn; who runs this type of trading show on Saturday AMs? (RD-IA)
- 1050 UNID ?? - 2/25 1850 noted behind WEVD with Natalie Cole song & CLs that sounded like WPG8 or something like that (WW-MA)
- 1090 WKTE NC KING - this is Laura McCusker's unID of 1/28 (Issue 21); WKTE is C&W as is WBZB-1090 Selma, NC (RJT-NC)
- 1200 UNID ?? - 2/18 2340 with ...Rock & Roll Energy 1200; MOR POP mx; no nx break @ 0000; over/under WOAI; poor (HF-MI)
- 1230 UNID ?? - 2/28 0840 poor with --KY?-FM wx, 18' and snowing; Oldies mx, IDs as:KK-FM & All-Oldies; looped S&E (SA-MB) [How about KMRS, Morris, MN, whose Fmer is KKOK-FM (95.7) according to NRC's FM Station Address Book-Ed.]
- 1270 UNID ?? - 2/25 0214 Ohio Valley & Your Country Radio ments; 184' on the outside; possible WUCO(?); very hvy QRM mixing with another carrying Larry King; anybody got any ideas? (BES-VA)
- 1580 UNID ?? - 2/18 2223 stn using K-99 FM slogan; ads & wx forecast leads me to believe stn is in Mississippi; were doing All-request Saturday Night (FRV-OH)

DX/EQUIPMENT TESTS

- 740 KTRH HOUSTON - 1/30 0300 testing with CWB; this is KTRH 740 AM Houston, TX on the air for XR adjustments; good on day pattern over KRNG & WDF2, but very weak to inaudible on night pattern with KRNG dominating (WPF-IN)
- 870 WWL LA NEW ORLEANS - 2/18 0430 noted completely off, nothing else noted, RATS!; wonder what KRNV did while the "Rooibang" was absent? noted back on @ 0453 re-check; announcer said backed up on request because of major XR problems but the road gang was on KRNV per announcer (WPF-IN) (I'm not sure I followed all that Rd.)
- 1180 WJJD IL CHICAGO - 2/8 0358 noted with OC & switching back in forth from nite to day XR power/patterns; announcer 1180 WJJD & were testing into Johnny Mathis; I always thought their program was a test hit back on RS @ 0400 (WPF-IN)

TIS & OTHER

- 1620 RADIO JAPAN ?? - 1/25 2209-2258 with definite ID; Tuned to R. Japan, the Overseas Service of NHK in Tokyo on DX-300; I swear this is real, but I can't figure it out; anyone else hear this? I'll have to try for a QSL (TC-NY) [Maybe some pirate relaying them??-Ed.]



940 AM

MIDNIGHT TO MIDDAY

- 530 CJFT ON FT ERIE - 2/19 0845 with Super Sunday for Seniors show; good PSA & IDs @ 0859; 1st time hrd in West-Central Ohio; some CBEF splash (FRV-OH)
- CJFT ON FT ERIE - 2/28 0211 with Geo Benson song, CL, Burger King ad @ 0212; something going on @ Niagara Falls-tix @ Thunderdome ad @ 0213; no QRM other than occasional atmospheric static; not a 1st-timer, but a tough catch, as always very weak (BES-VA)
- CJFT ON FT ERIE - 3/3 0554 with Friendship Radio 530 jx, POP mx & nx; NB beacon QRM; fair (AM-PA)
- 540 WYNN SC FLORENCE - 2/11 Midnight AM 54 WYNN Florence ID; Jazz & Blues; reverb on IDs; fair with slight SS QRM; local WRIC off; log sez daytimer...not so (BES-VA)
- 560 WOOF AL DOTHAN - 2/13 0244 totally unexpected on 118 watts!; thought I had WHBQ while WIND was TT/OCing; 1st-timer; was simulcasting WOOF-FM (99.7); 73' high expected while 8" of snow expected here (WPF-IN)
- WIND IL CHICAGO - 2/27 0100 good with sign-off; seems to have an alt. MM SP 0100-0600 (RK-IL)
- WVOC SC COLUMBIA - 2/11 0107 with 3j' @ WVOC Columbia, now back to Darrell Wells' Talknet; good with fading (BES-VA)
- WJLS WV BECKLEY - 2/11 0044 up briefly with CLs, then back to Larry King; fair, then faded in mess (BES-VA)
- 570 WKYX KY PADUCAH - 2/13 0241 noted with Air & Space Magazine ad in Best of King break; not often heard @ night over WAAX which by the way I don't hear with MCRN anymore, may have dropped it? (WPF-IN)
- WWNC NC ASHEVILLE - 2/11 0015 C&W mx with Dave & Sugar song @ 0017; fair with slight fading (BES-VA)
- WNAX SD YANKTON - 2/24 0518 with extensive Five-State wx (threw Mont in as a 8th); ad for Truck Town; C&W mx; over/under WKBN; fair (HF-MI)
- 580 WCHS WV CHARLESTON - 2/25 0033 with 40 minutes of songs in a row, 58 CHS & 96 FM WYNS+e Stevie Wonder song; fair+good (BES-VA)
- CFRA ON OTTAWA - 3/2 0029-0045 fair over WCHS with mx of Elvis, Snokey Robinson, Fleetwood Mac, etc; ment of 9th annual raffle for diabetes (RJT-NC)
- CKPR ON THUNDER BAY - 2/2 0311-0334+ good Thundering signal-hi; only one on the frequency with what sounded like C&W, but then later played Neil Diamond, Fleetwood Mac, etc, so must have been hearing things (WPF-IN)
- 800 WSJS NC WINSTON-SALEM - 2/25 0030 up briefly with WSJS Winston-Salem, Greensboro, High Point ID+MBS Nx; faded-poor with heavy SS QRM (BES-VA)
- 810 WDAF MO KANSAS CITY - 2/19 0101 This is WDAF, Kansas City is 61 Country; \$10,000 sweepstakes promo, C&W mx; very faint with lotsa QRM (BES-VA)
- WAES NC CHARLOTTE - 2/28 0100 with Larry King on 61 Big Ways Charlotte, where we play the best mx from 40s, 50s & 60s all day long & present the best talk & conversation all night long+MBS Nx; fair with WDAF in background (BES-VA)
- 820 WVNT VT BURLINGTON - 2/13 0440-0640 with TeO-type mx, wx, NBC Nx, Powerline & Hour of Decision; WYNN/WSXQ QRM (NH-MD1)

- 830 WLAP KY LEXINGTON - 2/11 0127 Accounttips ad, female DJ, Oldies format; good (BES-VA)
- 840 WFNC NC FAYETTEVILLE - 2/22 0451 good in CHBB null with AC mx, sps show promo, Full Service 640 WFNC non-ID, while looking for KFI (EB-GA)
- KFI CA LOS ANGELES - 2/27 0330 good with fair @ over WJTZ, in CHBB null with tele-talk, ment of Cucamonga & Anaheim, frequent KFI non-IDs; you Southerners better get this one B4 WGST moves here! (EB-GA)
- 850 WKKQ MN NASHWAUK - 2/27 0827 good with ID+TC; It's 7:27+You got it (DV-NY)
- 860 KTNN AZ WINDOW ROCK - 2/23 0000-0159 very good S9+5 over WFAN with country mx format; ID @ :00:You're listening to KTNN Window Rock, Arizona; 0047: KTNN Wx for Navajo Land; 09X in EE, some talk in Navajo @ 0030; lost @ 0159 signoff?; (thank to pls for this tip!!!); last AZ hrd was KLAZ-1510 Mesa in early 80's (RJT-NC)
- KTNN AZ WINDOW ROCK - 2/28 0033-0110 good early, then faded under WFAN with C&W; NBC Nx @ 0100, ID & 11:05 TC @ 0108; think I hrd this one earlier from 1947-2000+ but no ID @ this time; AZ #1 (DS-WI)
- 880 WPTF NC RALEIGH - 2/11 0023 with ad for WPTF TV28, WPTF jx, Stevie Wonder song @ 0028; poor with much fading; this 50Kw signal is beamed elsewhere! (BES-VA) [Main lobe is about 135' from Raleigh at night-Ed.]
- 890 CBU BC VANCOUVER - 2/27 0408 weak with Oh, Canada; no IDs heard, but this has to be them, as log sez they're the only guy from the Great White North signing off @ this time, eh (RD-IA)
- 740 KRNG OK TULSA - 2/18 0820-0830 fair under CBL with local nx @ 0822, promo for Midday Music Magazine @ 12:30 with Beatles mx (GV-PA)
- 790 WNWS FL SOUTH MIAMI - 2/12 0105 with AP Nx, WNWS 790 non-ID; What you need to know radio jx; Don Edwards(?) Show 'til 0500; Just above mess (BES-VA)
- 800 WHGY AL MONTGOMERY - 2/19 0005 with UC mx, ments of Montgomery, time & temp; good signal, no sign of CKLW (GS-VA)
- CKLW ON WINDSOR - 2/28 0200 You're listening to AM 800, CKLW, serving Windsor & Detroit+mx; good with SS QRM & a ROK stn (poss WKEE?); sounded like Mountaineers ment, then what sounded like WKEE jx in mess; more; much QRM this night (BES-VA)
- 820 WBAP TX FT WORTH - 2/11 0033 ad for Graef Chevrolet; 48' at Broadcast Hill; poor, with SS QRM (BES-VA)
- 830 WHMI MI SHEPHERD - 3/1 0855 good with Stereo 83 non-ID, Oldies mx, ID; over WCCO to 0859, then SHN Nx & under WCCO 'til fade @ 0710; new; MI #59 (SA-MB)
- WCCO MN MINNEAPOLIS - 2/28 0244 DJ talking about nx items this morning with more from CBS @ the top of hour; CL ment+Wonderful World by Simon & Garfunkel with James Taylor; fair+good with WHAS splash & Cuban off (BES-VA)
- 840 KWPN NE WEST POINT - 2/25 0734 good with ads for a farm show & sale; AM 840 non-ID+C&W mx, then more local ads; all alone (SA-MB)
- 850 WAIT IL CRYSTAL LAKE - 2/28 0735 fair+poor with Oldies mx, Big 850 & WAIT non-IDs; in KOA null; new, for IL #47 (SA-MB)
- 860 KTRB CA MODESTO - 2/28 0750 poor with announcer for Modesto and area+possible mx afterwards; new; CA #14 (SA-MB)
- 800 CFBR ON SUDBURY - 2/28 0535 good with FF songs, announcer; You are listening to Telemedia; then @ 0545 CHML hammers them; new, for ON #88 (SA-MB)
- 940 WHIX IL MT VERNON - 2/25 0200 with 940 WHIX Mt Vernon ID+nx; heavy QRM; very faint in mess (BES-VA)
- 950 WWJ MI DETROIT - 2/28 0810 poor with Newsradio 95 non-ID, wx & nx for Detroit; under CFAM (SA-MB)
- KPRC TX HOUSTON - 2/27 0302 fair, and dominating channel with CBS Nx, ads for Anacin & Smithsonian magazine, promo for CBS Evening Nx; News, plus Talk, AM 590, KPRC Houston+Roy Brien (tape delayed) (EB-GA)
- 870 WAVG KY LOUISVILLE - 2/25 0112 with Good times & great oldies, this is Wave 970, Louisville ID+nx; poor with heavy QRM (BES-VA)
- WHWB VT RUTLAND - 2/27 0054 with C&W mx+WNWS AM Rutland+SHN Nx; very good; must have been on day power (DV-NY)
- 980 WONE OH DAYTON - 2/25 0149 up briefly with fashion show mention, tix @ 290-8924; weathercheck 4Cast from WONE meteorologist Hal Nichols (?), somebody checking in @ 18'; then faded in mess with heavy QRM (BES-VA)
- 1000 KTOK OK OKLAHOMA CITY - 2/27 0357 fair+poor under XBOY with WINS-1010 splash; with Best of King, Air Force & Mental Health PSAs, KTOK Oklahoma City ID+ABC Nx; the Loop (WLUP) was off (EB-GA)
- KOMO WA SEATTLE - 2/27 0428-0457 fair under KTOK with AC mx from Nielson, Judy Collins, & Billy Joel; promo by Paul Harvey @ 0434; WA #1, state #40 (RD-IA)

1050 WEVD NY NEW YORK 2/3 0411 0604 good, steady signal for some reason, better than WUKQ was, with BBD mx and ballads; EE on The Nostalgia Parade every night from 1300-0500 and 1600-1700 sponsored by the Holiday Inn North with announcer Danny Stous on NY's Nifty 10-50, the flagship of the Danny Stous Nostalgia Network over CFYN+Jewish Language pm @ 0600 (WPF-IN)

WTSJ OH CINCINNATI - 2/25 0248 with female DJ. If you're enjoying what you're listening to, drop us a line in care of The Gospel Express, WTSJ then address: I'm Sister Mittie Johnson+GOS song; fair with heavy QRM (BES-VA)

1070 CHOK ON SARNIA - 3/3 0230 female DJ with AM 9, this is 10-7-Oh CHOK; 0241 wx 4Cast & 18' fahrenheit ment (odd for a Canadian to mention fahrenheit-Ed.); Symphony Singers concert ment; lots more; 1st-timer; poor, mixing with a stout WIBC/a faint GOS stn @ times (most likely WFLI-confirmed in past); 1070 was messy this night! (BES-VA)

1130 WDGY MN MINNEAPOLIS - 2/27 0831 with nx, wx, ID, over WCXI/WNEW (DV-NY)

1140 WSPC VA ST PAUL - 2/24 0717 with ad for Phillips Auto Parts & promo for WSPC Radio Bingo with \$125 jackpot; This is the last day for the yellow cards+Lacey J. Dalton song (CR-ON)

1180 WJJD IL CHICAGO - 2/28 0414 with AM 1160, WJJD jx, then Perry Como song; fair with QRM (BES-VA)

WAMB TN DONELSON - 2/25 0112 You're listening to the best sound in town, it's right here on 1160 AM WAMB; Oxford Shirt ad; poor with very heavy QRM, mixing with WJJD/many others; sounds like a GY nowadays; I hate it for KSL...10 years ago they were the only one here after WJJD sign-off (BES-VA) [Methinks a lot of us share your views on the broken-down clears-Ed.]

1210 WKNX MI FRANKENMUTH - 2/25 0751-0754 fair with mx by The Count Basie Orchestra & The Andrews Sisters+ID; MI #12 (RD-IA)

1230 WFAI NC FAYETTEVILLE - 2/28 0408 with WFAI AM 1230 non-ID; awful... barely audible (BES-VA)

1240 WPKE KY PIKEVILLE - 2/28 0427 with wx forecast: low 35' with a 20% chance of rain, high of 47', Monday's hi 32', we're 1240 Pikeville non-ID; AC mx; just above mess (BES-VA)

KWOS MO JEFFERSON CITY - 2/13 0711 with wrap-up of nx, ads, then wx; 1st-timer; Chicago not in yet (WPF-IN)

1260 WIBV IL BELLEVILLE - 2/1 0410 noted with wx, then C&W on Metro East Radio-East of St Louis, I guess; not often heard @ night, in WNDE null; 2/9 0458 heard with MOR/T40 mx from the bird; same as local 101.5 WNSN (WPF-IN)

WNXT OH PORTSMOUTH - 2/19 0119 with AC mx, 37', legal ID; very messy; 0205 1260 WNXT ment with WNDE in background (BES-VA)

1280 CJMS PQ MONTREAL - 2/5 0018 good over WADO with ROK Oldies, some in FF; heard Yakkety Yak in FF (WW-MA)

1280 KUOA AR SILOAM SPRINGS - 2/28 0845-0858 good in KOIL null with The Happy Birthday & Happy Anniversary Pgm; ads for C&C Flooring, Meeker Home Center, & Cherokee Boot Co. in Gentry; wx for NW Ark & Eastern Okla (currently hazy & 31) (RD-IA)

1300 WLXG KY LEXINGTON - 2/28 0117 with AM 1300 WXLG; Steve's All-Night Bar & Grill (ad?-Ed.); Phillip Cullen answered trivia question & Next hour your chance to be a winner once again; Victoria Square ment; AC mx; fair with some QRM (BES-VA)

1310 WDOD TN CHATTANOOGA - 2/27 0223 fair, but dominant with C&W mx, local ad, wx, 96.5 WDOD non-IDs; WDOD-FM coming in @ usual semi-local strength (EB-GA)

1330 KDRQ ND WISHEK - 2/25 0711 poor with CLs+wx for North Dakota (SA-MB)

1350 WSLR OH AKRON - 2/11 0057 with ABC Newsbrief coming up, C&W mx; good (BES-VA)

1360 KHAK IA CEDAR RAPIDS - 3/2 0730-0733 good with ad for Joe Sherman's Music & Sound; traffic ✓ & K-Hawk wx with Tom Churchill+You Got It by Roy Orbison; 1st-timer here; this completes my logging of Cedar Rapids (RD-IA)

WSAI OH CINCINNATI - 2/12 0050 with Teledisc ad, then WSAI Radar Wx; 1360 WSAI jx; Beatles Anniversary Weekend; very good with faint QRM (BES-VA)

1370 WSPD OH TOLEDO - 2/11 0059 Atlas Tours & Travel ad, NBC Nx @ 0100; good with slight WGCL QRM, which was far worse @ 0200 (BES-VA)

1390 WXTC SC CHARLESTON - 2/11 0104 with Scatell's Manufacturers Jewelers ad; CLs, female ID; fair (BES-VA)

WDOT VT BURLINGTON - 2/24 0807 a shocker way over WFMJ with ad for Gaines Dept Store in S. Burlington followed by Vermont nx & wx for ??? Valley followed by slogan: The Country Giant-Musically Better-WDOT with the CLs sung; this, an hour after LSR here (CR-ON)

1400 KCOG IA CENTERVILLE - 3/5 1020-1022 good in KLIN null with Could've Been by Tiffany+ID & wx; ad for Hy-Vee on Hwy 5 North in Centerville (RD-IA)

WKEW NC GREENSBORO - 2/26 0332 The voice of Greensboro, WKEW Greensboro ID+Jim Bohannon show, just above mess (BES-VA)

1410 WING OH DAYTON - 2/11 0104 with Solid Gold WING-1410 non-ID; just above mess (BES-VA)

1420 WKCV VA WARRENTON - 2/9 0837 booming in with ad for Rick Hunn (?) Lincoln-Mercury in Warrenton+C&W mx (DB-DE)

1450 WCIC NJ NEW BRUNSWICK - 2/25 0830 with nx, eps, wx; atop frequency all day now!! (TF-CT)

WHKP NC HENDERSONVILLE - 2/26 0306 with ID, then Jim Bohannon show; awful! (BES-VA)

WISA VT BRATTLEBORO - 2/25 0610-0820 with C&W mx, Vermont headlines, ID; in like a local (TF-CT)

CHEF PQ GRANBY - 2/25 0541-0548 with ROK mx, wx in FF; atop 1450!! (TF-CT)

1470 WLAM ME LEWISTON - 2/25 0530-0540 with WLAM NX, next nx @ 6 AM, bulletins @ once; ROK mx, atop frequency (TF-CT)

1480 WRDW GA AUGUSTA - 2/19 0202 Most mx WRDW-WRDW Power 97 non-ID;; fair-in/out of mess (BES-VA)

WCNS PA LATROBE - 2/24 0830 with local nx on The WCNS News Watch; mixing with seldom heard CKAN and no sign of usual WHBC (CR-ON)

WISL PA SHANOKIN - 2/25 0028-0108 with Sun Radio Ntwk; Crackerbarrel Radio, WISL, Radio 1480, Shamokin, PA (AC-NY)

WZJY SC MT PLEASANT - 2/19 0158 Don't touch that dial, you're tuned to WZJY and The Night Flight; sign-off @ 0200; very messy; not a bad catch for 44 watts! (BES-VA)

1490 WSTP NC SALISBURY - 2/26 0400 Billy Joel song, then AM 1490, WSTP Salisbury ID+ABC Nx; just above mess (BES-VA)

1570 WHYM WI MINOCQUA - 2/26 0659 fair with clear WHYM, Minocqua ID & C&W mx under CKMW (SA-MB)

CFOR ON ORILLIA - 2/28 0148 Kenny Rogers song, then Coast to Coast all night on 1570 CFOR; AC mx; barely audible; very hvy QRM (BES-VA)

1580 WOXR AL OXFORD - 2/25 0818 with wx report hi of 52 today, low 40, tomorrow, 20% chance of showers and a hi of 60, it's 16 past 7, WOXR+Small World by Johnny Mathis followed by instrumental version of Summer Rain; log sez REL (CR-ON)

WLIM NY PATCHOGUE - 2/24 0822 with ad for Wyner's Shoe Store @ 68 S. Green St, Patchogue, phone 475-0447+George Carlin's WINO classic skit; never heard CL given ('cept Wonderful WINO, of course) so assume it's still WLIM; this was almost 2 hours after LSR; I called directory assistance @ 1-518-555-1212 for # of shoe store just to make sure I wasn't hallucinating, but it checked out exactly (CR-ON)

WVKO OH COLUMBUS - 2/12 0045 with 16 WVKO, R&B format; fair with lots of QRM (BES-VA)

WVKO OH COLUMBUS - 2/19 0149 16 WVKO non-ID, Tim Allen here, wx 4Cast with 24' @ 1:49; also logged 2/12 with fair signal, but tonight with only faint QRM (BES-VA)

1590 WHIM PA MOUNT CARMEL - 2/9 0834 poor under WKEN slop with AM stereo 1590, WHIM non-ID (DB-DE)

1600 WBBB WV WHEELING - 3/4 0104-0141 well over WWRL with MoYL; 33 watts?; The totally new sound of 1600 AM, WBBB, Wheeling; ex:WZHM as of 2/14 (AC-NY)

KKRE

MIDDAY TO MIDNIGHT

1040 AM STEREO

530 CJFT ON FT ERIE - 2/26 2056-2133 XLNT with mostly BBD; Serving the Niagara Peninsula & Western NY, this is 53 FT (AC-NY)

540 CJSB ON OTTAWA - 2/27 2300 with 54 Rock jx & some decent Red Rider tunes; strong signal with moderate QRM (AM-PA)

560 WQAM FL MIAMI - 2/17 2305 over everything with Miami Sports Exchange (HJH-PA)

WFRB MD FROSTBURG - 2/26 1852-1907 poor+fair under WFIL with You're listening to WFRB, AM & FM \$ in Frostburg (AC-NY)

580 WBIL AL TUSKEGEE - 3/1 2355-0008 with SHN format (EZL), legal ID; You're listening to WBIL Radio 580 AM Tuskegee+SNN NX @ :00; good(RJT-NC)

WILL IL URBANA - 2/20 2200 fair with sign-off (RK-IL)

800 CFCH ON NORTH BAY - 2/25 1828 over WICC with promo, ads (JF-NJ)

820 CFRP PQ FORESTVILLE - 3/1 2229 good+fair, very fadey with FF ID & FF ROK mx; is solid most of the evening, but took this long to ID due to fading (RK-IL)

840 WNNZ MA WESTFIELD - 2/8 1730 nx, wx for western Mass; 1st time heard; some QRM from WHLO (GS-VA)

WNNZ MA WESTFIELD - 3/4 1922 with Talknet; stomping signal with minimal QRM; switched to low power @ 2000 (AM-PA)

CFGM ON RICHMOND HILL - 2/24 1902 news & TC for Metro Toronto; new frequency?? No WHLO or WFNC (GS-VA)

880 WBLX AL FAIRHOPE 1/28 1900 with no, or for north Alabama; fighting with WFAN/unID (S; 100 VA)
 WMIC MI SANDUSKY 1/30 1700 unallowable signal for this early; ments of Sandusky area, WMIC, etc. (DB VA)
 KCRO NE OMAHA - 2/25 1900 fair with ID:UBA Nat Nk (DS-WI)
 880 WPTF NC RALEIGH - 3/4 2001 with live broadcast from Raleigh Civic Center Auto Show with OC mx; fair+good, but below msh under it (AM-PA)
 KKYY TX SAN ANTONIO - 2/7 1922 with end of C&W, (C&W, TC); not often hrd here in severe WHAQ News-Ticker splash (WPF-IN)
 890 WVOK AL BIRMINGHAM - 2/10 1828 fair with song by Randy Travis>ID; AL #7 (RD-IA)
 720 CHTN PI CHARLOTTESTOWN - 2/17 2257 in with Beatles Oldies, no WGN (HJH-PA)
 CHTN PI CHARLOTTESTOWN - 2/20 1942 fair in pileup with PRA for a lost Angor cat (!) & disco (blech!) mx (AM-PA)
 740 KRMG OK TULSA - 2/23 1830 with ID, TC:5:33, traffic report; rare catch under dominant CBL (DV-NY)
 750 KJEL MO LEBANON - 1/15 1815 sign-off with mention of FM 103.7; good signal...big surprise (GS-VA)
 KJEL MO LEBANON - 3/5 1835-1850 with C&W mx with no breaks except for school closing anncnt @ 1848 with ment of districts of Conway, Hartville, Lebanon, Macks Creek, West Mansfield, Plato etal; readable level until it faded down @ 1850 & WSB took over; at first I thought it was NH until I reviewed tape; unfortunately, no ID hrd (HJH-PA)
 780 KMTL AR SHERWOOD - 3/7 1900-1915 fair, no WJR; with GOS mx, full sign-off followed by SSB (GV-PA)
 WEND FL BRANDON - 2/2 1729 wx for Tampa Bay, ment of Florida State Fair, traffic reports on I-75 (GS-VA)
 780 WLRM MS RIDGELAND - 2/19 1845 sign-off, seemed to be GOS mx; good signal with little WBBM QRM (GS-VA)
 790 WGRA GA CAIRO - 2/19 1908 strong, mixing with WTAR with mention of Pembroke (GS-VA)
 800 WSHO LA NEW ORLEANS - 2/2 1822-1828 end of REL talk show+Community Bulletin Board, ment of St Charles Ave & Herschel St; phone # @ event 482-PRAY; 1st-timer & alone, no CKLW! (WPF-IN)
 CKLW ON WINDSOR - 2/18 2205 hardly a rare catch here, but heard with anncr making dedication to listener in Bristol, VA, and also mentg reception in Thunder Bay and other parts of Northern Ontario; good (MS-ON)
 810 KCMO MO KANSAS CITY - 2/25 1832 topping channel with Univ of Missouri Tigers BKB (upsetting Oklahoma), KCMO Kansas City ID in promo+ local nx (EB-GA)
 820 WQSI MD FREDERICK - 2/23 2255-2320 good over CHAM with Frederick's only country mx stn, 82 Q, WQSI, Frederick, MD (AC-NY)
 WOSU OH COLUMBUS - 2/25 1850 good over WBAP with TC, mention of central Ohio, Bluegrass Ramble program, WOSU AM 820 Columbus ID @ 1858 (EB-GA)
 CHAM ON HAMILTON - 2/19 1920 ID:Canada's home of country mx, 820 Cham, C&W mx & local ads (FRV-OH)
 830 WNYC NY NEW YORK - 2/25 1830 fair+poor over Cuba with ID:New York Public Radio, WNYC (WW-MA)
 840 WBHY AL MOBILE - 2/21 1843 with sign-off, mentioning February hrs:0830-1745; over WHAS (DV-NY)
 WHGH GA THOMASVILLE - 3/4 1831 fair over weak WHAS with ID (RK-IL)
 CHUR ON NORTH BAY - 2/25 1806 holding its own against WHAS, ending nx & wx, and into a Huey Lewis selection (JF-NJ)
 850 KFUO MO CLAYTON - 2/21 1904 fair with wx, ID+REL mx, over KOA (SA-MB) [For anyone who doesn't already know, this stn is owned by The Lutheran Church-Missouri Synod-Ed.]
 WRMR OH CLEVELAND - 2/19 1919 with WRMR Cash Call promo & ID as Music of Your Life (not my life) (FRV-OH)
 860 WKKO FL COCOA - 2/20 1920-1940 good with CJBC; inspirational mx, FL Net Nk @ :30; ID ment coverage from Coastal Carolinas, to 'Glades, to citrus country, to Bahamas; KO-860 slogan (GV-PA)
 870 WKAR MI LANSING - 2/10 1801 ending All Things Considered and NPR ID (HJH-PA)
 880 CKLQ MB BRANDON - 2/23 2050-2100 XLNT, burying WCBS with odd mx mix (2 country-fiddle-type songs followed by a BBD number); female DJ gave CLs clearly @ 2051 (PLB-MI)
 910 WSUI IA IOWA CITY - 2/25 2059 like a local with end of All Things Considered; a regular, but never hrd this loud B4 (DS-WI)
 920 KDHL MN FARIBAULT - 2/20 2340 ad for Quality TV & Appliance, non-ID; Country Side, AM 920, your total information station, KDHL, your wx stn; ABC Nk @ 0000; promo for Talknet; fair+; received personal letter QSL in 8 days for SASE (HF-MI)

830 WKOS NH ROCHESTER - 2/25 1840 good signal; wx for Rochester and southern NH; looped WFMD and was expecting Buffalo; a surprise (GS-VA)
 960 KZIM MO CAPE GIRARDEAU - 2/8 1830 mention of Bootheel caught my ear; local ads for Scott City, Jackson & Chaffee; 1st-timer here, no WFIR QRM (GS-VA)
 KZIM MO CAPE GIRARDEAU - 2/26 1929 fair with WSBT nulled; SID, then back+Talknet (DS-WI)
 970 WKHM MI JACKSON - 2/18 2117 with HS BKB, Burger King ad, anncr Greg O'Tanner with interviews+Top 10 on KHM (FRV-OH)
 980 KCAB AR DARDANELLE - 2/18 1852 with a couple of ads and results from Oak Lawn Race Track in Hot Springs, sponsored by Arkansas Valley Trucking Co; 1st-timer, over Tiffany on WITY & that in WONE null (WPF-IN)
 WCAP MA LOWELL - 2/18 2304 fair+poor in Jumble with non-ID:This is Talkradio 980, WCAP (WW-MA)
 980 WYAT LA NEW ORLEANS - 2/18 2125 with Oldies, Super Gold show, ads for Bengal Bar & English Leather, & local PSAs; gave phone # of 280-9587 (FRV-OH)
 WE20 NY ROCHESTER - 2/25 1834 noted non-ID:990 AM WE20; fair+poor signal, too much interference; 1st time heard with these new CLs (WW-MA)
 KGTH TX WICHITA FALLS - 2/28 2148-2155 fair with CBW looped; C&W mx+AM Stereo 990 KGTN non-ID+wx>ID again & back to C&W mx (DS-WI)
 1010 WSP0 WI STEVENS POINT - 2/21 1823 with Gary Puckett & The Union Gap Oldie, then ann Classic Gold WSP0 1010 AM-playing the fun favorites of the 50s, 60s & early 70s followed by a Platters tune; a real surprise because conditions were on the AU side; all alone with CFRB nulled (CR-ON)
 1040 WSGH NC WILLIAMSTON - 3/4 1830 with sign-off, ending REL; fair signal in competition with Cuba's R. Moscow outlet (HJH-PA)
 1050 WEVD NY NEW YORK - 2/22 with Islanders HKY; NY's Greater 10-50; possible anncnt in Hebrew @ 0359; over/under CFYN+; poor (HF-MI)
 WEVD NY NEW YORK - 2/24 1812-1845 with traffic report in EE, then+some foreign language with popular mx, ads, nx; WEVD Greater 1050; good, way stop channel (HH-MDI)
 WADC WV PARKERSBURG - 2/12 2106 with Great songs, great memories on WADC...1050 WADC; CHUM QRM (HF-MI)
 CHUM ON TORONTO - 2/14 2047 Toronto's soft rock 1050 CHUM; Valentine contest, promo for CITY-TV; DJ was Russ; WADC/WSTJ QRM; fair (HF-MI)
 CHUM ON TORONTO - 2/19 1818 with OLD; L&C under WEVD (TF-CT)
 1070 KKZRT TX HOUSTON - 2/17 1810 very heavy AOR mx, probably Z-Rock/Houston, but not definite (WPF-IN)
 CHOK ON SARNIA - 2/27 2335 with Phil Collins tunes; no sign of CBA, odd...sounded like a local with positive ID @ 2340; Cmx (?-Ed.) Lobo Donuts & Deli's, etc; xlt sigs, minimal QRM (AM-PA)
 1080 WUFO NY BUFFALO - 2/19 1858-1715 end of REL pgm, ID:WUFO, Buffalo+The Bible Speaks; lost by 1715; in WTIC null (TF-CT)
 WEEP PA PITTSBURGH - 2/19 1715 with wx, then lost; not enough for a report; in WTIC null (TF-CT)
 1090 WKII FL PORT CHARLOTTE - 2/12 1815 with sign-off; weak, but readable under WBAL (GS-VA)
 WFCV IN FT WAYNE - 2/25 1700 with legal ID followed by PSA but too much WWWE splash to tell who for+pgm called Sunday School Meditations; WCAR nulled, but no sign of usual #2 CKKW; logged for CL change; by the way, previous pgm mentd a letter from a listener who hears us on KAAY-1090, Little Rock, which just goes to show that even if you hear what sounded like a legal ID, tain't necessarily so (CR-ON)
 WILD MA BOSTON - 2/25 1718 with full sign-off, over WBAL (JF-NJ)
 KJKK MN FERGUS FALLS - 3/4 1929 good with MoYL, wx & sign-off (RK-IL)
 1100 WCGA GA WOODBINE - 2/25 1814 full sign-off, mentioning 10 Kw (JF-NJ)
 WYKR VT WELLS RIVER - 2/25 1715 caught tail-end of sign-off; over all (JF-NJ)
 1110 CKTY ON SARNIA - 2/18 2145 anncr taking requests, using slogan:Country 11-10, CKTY; no WBT QRM at all; ads for Rent Town & Diana's Restaurant (FRV-OH)
 CKTY ON SARNIA - 2/21 1710 with sports, agricultural report, C&W mx, ads; good signal (TF-CT)
 CKTY ON SARNIA - 3/5 1804 1st noted with these CLs, with wx for Lake Huron Shore; weak+fair with WBT nulled (HJH-PA)
 1150 WHEX MA BOSTON - 2/18 1854 with OLD, ad for Channel 56, non-ID for:AM \$ 1150, WHEX, all Oldies all the time; under WCNX (TF-CT)
 WTAW TX COLLEGE STATION - 2/11 1931-1939 steady signal for a while with C&W mx & CLs; 1st-timer on very Au night; WGN was talking about W

& K CLs on wrong side of the Mississippi & a caller mentioned this one; CLs, by the way, stand for Watch Texas Aggies Win (WPF-IN)

CKX MB BRANDON - 2/28 1840 1860 fair with AC mx; 1848:CKX annct. 5:48 TC, brief sps, then back to mx (IG-WI)

1160 WSKW ME SKOWHEGAN - 2/19 1825 long bought, with wx for Middle Maine, ments of robbery on I-95; much WWVA splatter, no WJJD though; gone quickly+mush (GS-VA)

KSL UT SALT LAKE CITY - 2/22 2300-2400 mixing with WJJD/WAMB; very dominant for brief periods; unneeded, but nice to hear again (RJT-NC)

1170 WACV AL MONTGOMERY - 2/22 1820-1829 with ads, nx from the state legislature, Metro Wx forecast; good, usually stop WWVA & then dropped out around 1828 (HH-MD2)

1200 KFNW ND WEST FARGO - 2/28 2130 fair with WOAI looped; KFNW West Fargo ID+typed GOS show (DS-WI)

1210 WKNX MI FRANKENMUTH - 2/23 1702-1724 very good with polka mx on the Happy Hour Program; many ads; no sign of WCAU! (RJT NC)

KOKK SD HURON - 1/30 1742 promo for Countryline USA & ?, live via the bird+Highway 101 C&W; 1st-timer, nice to get this one B4 WXXA signs on, if ever (WPF-IN)

1220 WGAR OH CLEVELAND - 2/19 1938 non-ID; FM 99.9, WGAR & promo for song of the day (FRV-OH)

1250 WGL IN FT WAYNE - 2/13 1908-1930+ with ad for Lincoln Personnel & Money Line bizness pgm from CNN/Crossfire; 1st-timer anywhere, believe it or not, Ripley (WPF-IN)

WYKM WV RUPERT - 2/20 1750 with community calendar+GOS mx followed by wx & lady DJ saying: we're making wonderful memories @ WYKM & by the way she talked, it sounded like a sign-off was coming up; but lost to WTAE before I could be sure (CR-ON)

1270 WXYT MI DETROIT - 2/18 2158 with Bob Madigan & Talknet; promo Beyond the Dream on WXYT; wx 4Cast by Tom Churchill and ad for Mr Build's Construction, jx; much WONW slop (FRV-OH)

1280 WWTC MN MINNEAPOLIS - 2/28 1918 The original 1280, WWTC annct between Oldies; fair (DS-WI)

1290 WATO TN OAK RIDGE - 2/28 1928 fair under KOIL with ID & live report from Anderson County HS BKB tournament (RD-IA)

1300 KWCK AR SEARCY - 2/23 1759 nicely over a nulled WERE with There's a tear in my Beer just ending when someone turned on the TV about 5 seconds before SI [??-Ed.], messing it up good; ran the tape thru the equalizer a few times and came up with ???-99 wrapping up 3 in a row by Hank Williams, Jr., this is ???, KWCK AM & FM, Searcy; then hrd the NBC NX chimes, but don't know if it was them or not; not listed as NBC in the Log, but not shown as C&W either; so who knows?? [The Shadow?-Ed.] (CR-ON)

1310 WJLK NJ ASBURY PARK - 2/21 2005 with only The greatest mx of all time on the Jersey Shore's oldies stn (AC-NY)

WSSJ NJ CAMDEN - 3/8 2008-2040 very good over CIWW with The best in adult contemporary mx, WSSJ; mostly UC (AC-NY)

1330 WTRX MI FLINT - 2/19 1950 promo for WTRX Nightline with Steve Clawson (FRV-OH)

WNYM NY NEW YORK - 1/30 1801 verified by personal letter; new (FW-PA)

WELW OH WILLOUGHBY - 2/25 1800 with ID; new (FW-PA)

WFBC SC GREENVILLE - 2/18 2127 on top during auroral conditions with ad for Tippy Lewis Video, others mentioning Greenville, WFBC Weather; fair (MS-ON)

WOLD VA MARION - 2/25 1800 sign-off; good; new (FW-PA)

WESR VA ONLEY - 2/27 1800 ID, Virginia Insurance ad; new; #2650 received, VA #111 (FW-PA)

1340 WNHC CT NEW HAVEN - 2/17 2048 with ads for Ron's Used Cars, US Navy+back to talk show on astrology; fair signal over WBRK (WW-MA)

WROD FL DAYTONA BEACH - 2/18 2100 on top briefly during auroral conditions with NOS mx, pgm anncts, non-ID as: AM 1340 WROD, mentions of Daytona 500 & World Famous Restaurant; poor+fair (MS-ON)

WBRK MA PITTSFIELD - 2/17 2037 local ad for a Pittsfield business; soon lost; this is a hard stn to hear here; very poor (WW-MA)

1360 WLVL NY LOCKPORT - 2/25 1800 with ID; new (FW-PA)

WDRC CT HARTFORD - 2/18 1704 fair with WDRC traffic check (MS-ON)

KHAK IA CEDAR RAPIDS - 2/28 1830-1840 with ads, E. Iowa MDA PSA+KHAK Forecast+C&W mx (DS-WI)

1370 KLBA IA ALBIA - 2/23 2159 good with sign-off and America the Beautiful (RD-IA)

WGHN MI GRAND HAVEN - 3/8 2100-2123 tuneout; noted on with full daytime power, relaying FM 92.1; usually off @ LSS (PLB-MI)

WJWS VA SOUTH HILL - 2/5 1728 fair with many local ads, including one for an auto parts store in South Hill; also mention of LaCrosse, VA+Old mx (DB-DE)



1380 WFIW IL FAIRFIELD - 2/13 1822 with Now as a service to the farmers in our listening area, The Illinois Farm Report live from Springfield; in WGCI null; 1st definite time here (WPF-IN)

WHER MS MERIDIAN - 2/21 1847 with ad cluster including ads for The Mississippi-Alabama Advertiser & Home Improvers of America who gave a discount to WHER listeners; hmmm, maybe I should give 'em a call and save 10% (CR-ON)

WPKO OH BELLEFONTAINE - 2/25 1319 fair with both WFMJ & WNLF nulled; ending wx with degrees @ your wx stn-WPKO; was b'casting from local IGA and playing light rock mx; logged for CL change (CR-ON)

WFMJ OH YOUNGSTOWN - 3/8 2054-2056 with MoYL-type mx, CLs said @ 2055; no sign of usually dominant WGCI (PLB-MI)

1400 WSTC CT STAMFORD - 2/17 2128 very poor signal with non-ID: 1400 WSTC; soon lost (WW-MA)

WMAN OH MANSFIELD - 3/8 2058 atop jumble with promo for AM Mansfield morning show (PLB-MI)

CKOB ON RENFREW - 2/5 1800 with ID as: Ottawa Valley Radio, 1490 Arnprior, 1400 Renfrew; also gave cable FM frequencies; fair (MS-ON)

1410 WLSH PA LANSFORD - 2/18 1708-1720 a mixture of C&W & BBD mx, promo for American Country Countdown; weak under WPOP/WELM (TF-CT)

1440 WRRO OH WARREN - 3/5 2222-2231 fair with Solid Gold 1440, WRRO (AC-NY)

WCDL PA CARBONDALE - 2/26 1705 with polka mx, ID for WCDL, The only radio stn in the Northeast that plays polks seven days a week; in WNYG null (TF-CT)

WBBP VA BLACKSTONE - 2/23 2135 with college BKB, ID; 72 watts heard briefly over WRRD! (TF-CT)

1450 WILM DE WILMINGTON - 2/19 1920 with promo to report traffic tie-ups to WILM (HJH-PA)

WILM DE WILMINGTON - 2/24 2007-2042 with nx, CBS feed, wx; surfacing all evening (TF-CT)

WHLS MI PORT HURON - 3/6 1100 ID & sports; not new, but received earliest in the day (FW-PA)

WKXL NH CONCORD - 2/24 1955-2020 surfacing with HS BKB between Merrimac HS & ?? (missed the opponent, but Merrimac clobbered them!) (TF-CT)

WFPG NJ ATLANTIC CITY - 2/24 2120 surfaced briefly with an ad for a restaurant in Margate; rap mx, then gone (TF-CT)

WWSC NY GLENS FALLS - 2/26 1730-1800 with ROK mx, local Glens Falls nx by Nancy Gordon (TF-CT)

WFRA PA FRANKLIN - 2/24 1852 poor with clustered local ads, mention of Liberty and 13th in Franklin; faded quickly (MS-ON)

WKRI RI WEST WARWICK - 2/28 1720-1722 1450-WKRI non-ID, wx, ad for a video store, gone (TF-CT)

1460 WBET MA BROCKTON - 2/28 1855-1715 with Irish mx pgm, mixing with WVDX (TF-CT)

WPON MI PONTIAC - 2/19 2023 with female anncr with PSA & contest @ 332-1460; C&W mx, 3-in-a-row; much WBNS QRM (FRV-OH)

CKRB PQ ST GEORGES DE BEAUCE - 2/18 1712 in FF with local ads, sps (mostly NHL HKY); mixing with CJOY (MS-ON)

1470 KANO MN BROOKLYN PARK - 2/21 1928 good with local contest winners in Brooklyn Park; Kane-Oh non-IDs; over/under KWSL (SA-MB)

1480 WHBC OH CANTON - 2/19 2002 wx forecast with Bob ??-National Music Survey & WHBC Flyaway Vacation (FRV-OH)

1500 WLQV MI DETROIT - 2/25 1930+ over & under KSTP most of the night with GOS (DS-WI)

1530 KNBO TX NEW BOSTON - 2/17 1858 with detailed sign-off, ment of 2500 watts days & 1000 watts critical hours?; under WCKY; 1st-timer (WPF-IN)

1540 KSVZ TX FT WORTH - 2/7 1859-1902+ end of SS REL service, ID in EE, then SS: Ladies & gentlemen, this is K-Saves, KSVZ Dallas, Ft Worth; log sez FW, city of license change?; no KXEL (WPF-IN)

1570 WFLR NY DUNDEE - 2/28 1803-1815 ad for shops of village of Montour Falls; good until swamped by CKLM (AC-NY)

CFOR ON ORILLIA - 2/4 2347 very strong over CKLM, odd to have this stronger; with ROK mx, race results, ads (WW-MA)

1580 WKKD IL AURORA - 3/8 2102-2106 with HS BKB, ad for tire business in Aurora; decent signal, so sign of CBJ (PLB-MI)

WANJ IN SOUTH BEND - 3/8 2109 over WKKD with ad, jx, & into Sally Jesse Raphael @ 2110 (PLB-IN)

WPMO MS PASCAGOULA - 2/18 1845 noted on after sign-off time, again still on @ 2325; many K-99 FM non-IDs; called stn and FM jock didn't know they were still on AM; dropped off in seconds, boo boot! (GS-VA)

WPHO MS PASCAGOULA - 2/18 2315 controlled frequency all night; K99 FM non-IDs, ad for 2 new Chevron stores at Ocean Springs; off I-10, and on Mobile Hwy near Miss Power Stn; must have forgot to turn

off AM XR (DV-NY)
 WPMO MS PASCAGOULA-MOSS POINT 1/2R 1030-1100 XLNT with Nashville Live, many K99 non-IDs, legal ID # 1001 for country connection on AM 1580, WPMO Pascagoula Moss Point (RJT-NC)
 WIYO NJ HAMMONTON - 2/19 1907 with Oldies mx & slogan: Where your friends are (HJH-PA)
 1690 WAIK IL GALESBURG - 2/14 1824 with special Valentine Day mx on Wake-1690, 3 ads; 1st-timer here (WPF-IN)
 WAKR OH AKRON - 2/26 2110 with WAKR Exclusive Radar Wx Forecast; poor, under unID BBD stn (DS-WI)
 WWCC PA HONESDALE - 1/24 1733 noted with C&W mx: Ronnie Mizepp; noted Satellite News Network & non-ID as WWCC, Wayne County's Country; I had no idea what stn this was until recently noted CI listed it as PA; 1st time ever hrd here; poor signal with WQQW (WW-MA)
 WWCC PA HONESDALE - 2/18 1752-1820 with C&W mx, Country Connection; almost local strength; night power of 15 watts hard at work?? (TF-CT)
 1800 KSSA TX PLANO - 2/11 1830-1904+ after WCGO sign-off, SS mx & language to 1900 ID: KSSA, Plano-Dallas, TX; since both station & synchro are in Dallas proper & are 5 Kw, which one did I pick up? Help! (WPF-IN)
 WBBB WV WHEELING - 2/28 2120-2203 way over my local WTZQ!!; must have been on 5Kw U1 day rig; ex: W22M, MoYL format (RJT-NC)

REPORTERS:

DV-NY Don Voorhies//Oswego, NY//FRG 8800 w/Gilfer Mod + LW
 TH-CA Tia Hall//Chula Vista, CA//
 JF-NJ Joe Fels//South Plainfield, NJ//SX-100 + RW Loop
 WW-MA William Wylie//Franklin, MA//
 WPF-IN Wendell Ford//Westville, IN//ICF-2010
 HH-MD1 Hank Holbrook//Dunkirk, MD//SP-800JX14 with 150' LW South
 HH-MD2 Hank Holbrook//Dunkirk, MD//SP-800JX14 with Colegrove Loop
 DB-DE Dave Braun//Dover, DE//R-2000 + Palomar Loop
 MS-ON Morris Soransen//Port Carling, ON//HQ-150 + SM-2
 DS-WI Doug Smith//Madison, WI//Superadio II with KRVN loop
 EB-GA Eric Buensanen//Woodstock, GA//DX-200, TM-152, SM-2
 RJT-NC Robert Tlars//Hendersonville, NC//R-5000 + many LWs or 24" Ferrite Loop
 PT-FL Pete Taylor//San Francisco, visiting in Miami, FL//
 PLB-MI Phil Boersma//Spring Lake, MI//Realistic 14-785
 TF-CT Tony Fitzherbert//Fairfield, CT//Superadio
 FRV-OH Fred Vobbe//Lima, OH//ICF-2010 + GNBC Superloop MWL-900P antenna
 FW-PA Frank Wheeler//Erie, PA//
 GS-VA George Santulli//Leesburg, VA//HQ-180A with NRC 4' Loop
 HF-MI Harold Frogge//Midland, MI//ICOM R71A + 185' LW
 CR-ON Charles Reh//Leamington, ON//R-930A, S-40A, Sansino loop & Pioneer CT-60R tape deck
 HJH-PA Harry J. Hayes//Wilkes-Barre, PA//Superadio + SM-2 (2 reports)
 SA-MB Shawn Axelrod//Winnipeg, MB//R-70 + 3' Loop, 100' LW with Mini Tun-3
 HS-PA Harley Steward//Erie, PA//
 RK-IL Robert Kramer//Chicago, IL//r-1000, HQ-129X + RW Loop, Kowalski Loop
 BES-VA Barry Shinall//Cedar Bluff, VA//Pioneer SX-V300 + factory loop
 AC-NY Tony Cassanese//MDCarmel, NY//Zenith portable with Palomar Loop
 AM-PA Al Huick//Fogelville, PA//FRG-8800 + FRA-7700
 GV-PA George Vanish//Trucksville, PA//SX-89 with LW
 RD-IA Rick Dau//Oakland, IA//R-1000 + RW Loop//877 heard



SOME ABBREVIATIONS & SPECIAL SYMBOLS USED IN DDXD-E

TT: test tones OC: open carrier TC: time check RS: irregular schedule QR: interference
 QTH: location SID: singing ID CID: code ID JX: jingle mx: music nx: news wx: weather sp: sports
 HS: high school FB: football BB: baseball HKY: hockey BKB: basketball 100: on the hour
 H: parallel with +to or into *stereo SS: Spanish FF: French EE: English POL: political
 GOS: gospel REL: religion or religious AC: adult contemporary BDB: big band MoYL: Music of Your Life OLD: oldies ROK: rock 'n' roll CHR: contemporary hit radio
 ContChr: contemporary Christian C&W: country & western EZL: easy listening UC: urban contemporary LK: Larry King AP: Associated Press Radio UPI: United Press International
 MBS: Mutual Broadcasting System USRN: United Stns Radio Net NPR: National Public Radio
 MRN: Motor Racing Net MCRN: Music Country Radio Net IRN: Interstate Radio Net LSR: local sunrise SRS: sunrise skip LSS: local sunset SSS: sunset skip SSB: Star Spangled Banner



KFUO 850 AM 99.1 FM
lutheran radio
 85 Founders Lane
 St. Louis (Clayton) Missouri 63105

73, Bill

Domestic DX Digest - West Nancy Hardy
 2301 Pacific Avenue
 Aberdeen, WA 98520
 DX Catches in the Western U. S. and Canada, with 24-hr. ELT

We have monthly DDXD-West deadlines now, April 8, May 13, June 10, July 8 and August 5. Hope to hear from you!

SPECIAL

530 CKHL AB HIGH LEVEL - 2/27 0246 faint with "Radio 610, CKYL" ID, mixing with WNAC648 Tacoma in null of a Seattle TIS carrier. Promo at 0253. ID 0300 & into Broadcast News. 0304 weather, sports, faded out. (pb-WA)
 1340 KTCR WA KENNEWICK - 3/4 0330 "Tri-Cities...KTCR, Kennewick" & into news. Ex-KOTY. (pb-WA)
 1490 KRUI NM RUIDOSO DOWNS - 3/4 2141-2400 fair signs, but usually with heavy KYCA QRM. Faded up for IDs at 2325 & 2400. CBS News on the hour at 2400 preceded by lite AdCon music. Haven't seen this call change listed yet. Ex-KOAW. New, NM #28. (TRH-CA1)

TIS

1610 KNHD261 WA OLYMPIA - 3/9 1205 now inactive. In last two weeks, highways signs have come down, and open carrier has gone although antennas are still in place. Hasn't had message in several months. (BH-WA1)

MIDDAY TO MIDNIGHT

580 KUBC CO MONTROSE - 3/4 2006-2115 fair-good until pattern change with Montrose HS girls BKB, local ads. New, CO #30. (TRH-CA1)
 940 KWBV OR WOODBURN - 2/28 1505 ending Mutual news into "Northwest News Network," 1510 local ads, "Cowboy Country, KWBV," into 1960's country music. Ex-KWRC. Fair signal in downtown Portland. (BH-OR)
 1080 KRLD TX DALLAS - 3/4 2300 has added SMU Mustang BKB AND Tom Bodett's "End of the Road" show at 2300 Sa ELT. (TRH-CA1)
 1160 KSL UT SALT LAKE CITY - 3/4 2100 has added Tom Bodett's "The End of the Road" show Saturdays at 2100 ELT. (TRH-CA1)
 1270 KDJI AZ HOLBROOK - 3/4 2045-2108 LOUD with UC/CHR dance music, male DJ, ABC-I news on the hour, later noted with Northern Ariz. U. Pioneers BKB. Seemed to stay on full day power for the entire BKB game. Rare at home. (TRH-CA1)
 1300 UNID ?? ??? - 3/4 2251 station airing comedy under KROP, XEJ. Maybe KVOR? Excellent conditions to CO/NM tonight. (TRH-CA1)
 1330 KGAK NM GALLUP - 3/4 2030 noted airing Wingate HS BKB. (TRH-CA1)
 1340 KCEM NM FARMINGTON - 3/4 2307 noted throughout the evening with C&W music, "Kick'em Country" slogan, IDs and local ads. Good signal. (TRH-CA1)
 UNID ?? ??? - 3/4 2310 Phoenix Suns BKB //KYCA-1490, KTAR-620. Might be unneeded KIKO or needed KFBR. (TRH-CA1)
 1400 KMIN NM GRANTS - 3/4 2221 faded up nicely for an ID, lucky I had my tape recorder on at the time! New, NM #29. (TRH-CA1)
 UNID ?? ??? - 3/4 2121 female DJ with C&W music, ad for First Nat. Bank of Green (?). Any ideas? (TRH-CA1)
 1490 KYCA AZ PRESCOTT - 3/4 2230-2355 noted now carrying Phoenix Suns BKB game. Good signals. (TRH-CA1)
 KICO CA CALEXICO - 3/4 2304 just faded up for ID--one of the few CA QY stations audible on this antenna. (TRH-CA1)
 KRTN NM RATON - 3/4 2141 U. of New Mexico Lobos BKB game, 2231 ad during half-time for Raton Builders Supply. Called the station and played tape for them. They confirmed it was KRTN. (TRH-CA1)
 UNID ?? ? - 3/4 2200-2300 Super Gold Oldies program. KRSN-Los Alamos, NM? (TRH-CA1)
 1560 KFPR WA SUMNER - 3/9 1250-1405 completely silent while on business trip in Sumner, confirming AM Switch report that station is silent. (BH-WA1)

AM 1530 | 301 N Walnut
 KXTD Broken Arrow, OK 74012

MIDNIGHT TO MIDDAY

600 KKLQ CA SAN DIEGO - 3/5 0241 noted with OC for a few minutes, leaving WMT-IA. (TRH-CA1)
 WMT IA CEDAR RAPIDS - 3/5 0242 in briefly with local ads including an insurance dealer "serving Cedar Rapids since 1971." (TRH-CA1)

610 KAVL CA LANCASTER - 3/5 0242 briefly surfaced during KKLQ-600 OC with weather, "AM 6-10 KAVL" ID. Rare down here. (TRH-CA1)

690 CBF/ PQ/ MONTREAL 7 MM 2/27 0310 fair, both stations in tonight with
CBKF1 SK GRAVELBOURG CBC French programming, almost 1/2-second delay between the two. Could rotate the loop to get rid of one and hear only the other. New, PQ #1. Local XETRA picked a fantastic night to take a silent period! (TRH-CA)

730 KKDA TX GRAND PRAIRIE - 2/20 0538 "Soul 73" with local promos and spots, loud for listed 10w. (WH-CO)

WJMT WI MERRILL - 2/20 0723 local spots & promos atop the channel. (WH)

1030 KJDJ CA SAN LUIS OBISPO - 3/12 0950 atop with "American Know-How" nutrition talk with Kathy Helm, national ads & PSA's. Suppressed by open carrier 0957, then KMAS appeared with Baptist program, KDUN s/on 0958. 1000 legal ID barely heard through KMAS/KDUN, then into NBC news, gone by 1003. New, #997 heard! (BH-WA)

KDUN OR REEDSPORT - 3/12 0958 s/on over KJDJ in KMAS null, full data, mentioned "6am to???" (obviously 7am Sunday), then banjo instrumental which turned out to be the national anthem! Quickly gone. (BH-WA)

1060 KUKQ AZ TEMPE - 2/20 0301 noted with C&W, switch from urban contemp. (WH-CO)

1070 CFAX BC VICTORIA - 2/20 0345 with WIN net Top 40 o/u KNX now that CKST is gone. (WH-CO)

1080 UNID ?? ??? - 3/5 0050-0300 station steady under KRLLD with BED program, sounded like CMN News on the hour. Sounded exactly like the old KSCO's programming. Suspect WRYT-IL, but this music wasn't as bland as SMN's Stardust playlist usually is. Any other ideas? (TRH-CA1)

1100 KFAX CA SAN FRANCISCO - 2/20 0615 alone on channel with "Insight for Living." (WH-CO)

1170 KVVS CO WINDSOR - 2/12 0030 s/off amct in Spanish. Very good in KV00 null. (WH-CO)

1190 KBCO CO BOULDER - 2/16 0238 quick s/off at this odd time; invite to tune KBCO-FM. (WH-CO)

1210 KGYN OK GUYMON - 2/20 0630 s/on tape followed by SSB. (WH-CO)

1230 KEXO CO GRAND JUNCTION - 3/5 0554-0602 fair with Transtar oldies (//KAYJ-1260), slogan "playing more of your favorites back-to-back," legal ID on the hour into ABC-I news. (TRH-CA1)

KDZA CO PUEBLO - 3/5 0607 poor, but faded up briefly over KLAV with slogan "Your original classic oldies station, KDZA." (TRH-CA1)

1250 KHIL AZ WILCOX - 2/19 0100 s/off, poor in QRM. (WH-CO)

1260 KOIT CA SAN FRANCISCO - Ending "SCAN" pub. service show with female amcr., "KOIT now leaves the air" and gone. (WH-CO) (Date & time??--NH)

KAYJ TX SAN ANGELO - 3/5 0523-0540 poor, way under KGIL with Transtar oldies (//KEXO-1230), "12-60 K-Jay" slogans, local contest promo where listeners could win free movie rentals. (TRH-CA1)

1310 KZRQ NM CORRALES - 2/20 0658 "KZRQ, Z-Rock" ID u/KZZP. (WH-CO)

KZIP TX AMARILLO - 2/23 0559 English s/off amct. after Spanish lang. programming. No SSB. Fair in KFKA null. (WH-CO)

1330 KFH KS WICHITA - 2/23 0602 ID "Temporarily simulcasting KXLK-FM, this is KFH Wichita," then into pop music. (WH-CO)

1340 KORV CA OROVILLE - 3/5 0300 bits & pieces of s/off rose above the 1340 jumble. (pb-WA)

KDEN CO DENVER - 3/5 0330-0341 poor-fair but steady with KMTW et al. All-news format, IDs, slogan "give us 22 minutes, we'll give you the world." Hasn't moved to 1370 yet. (TRH-CA1)

KQIL CO GRAND JUNCTION - 3/5 0224-0236 poor-fair with C&W music, male DJ, lots of IDs. Resurfaced around 0340. (TRH-CA1)

KMTW NV LAS VEGAS - 2/20 0434 ID u/KDEN carrier. Elevator music. (WH) (I believe their format is Motown oldest! "Heart and Soul."-NH)

1350 KABQ NM ALBUQUERQUE - 3/5 0419 fair dominating freq. over KRYT with Spanish music, IDs, slogans "Numero Uno" & "La Autoridad." (TRH-CA1)

1360 KRKK WY ROCK SPRINGS - 3/5 0321 poor-fair mixing with KP0P, this time I caught the ID on tape. New, WY #9. (TRH-CA1)

UNID ?? ??? - 3/5 0320 C&W station mixing with KP0P-KLFF-KRKK and others. (TRH-CA1)

UNID ?? ??? - 3/5 0456 with talk (sounded like tape-delayed Talknet). Probably much-needed KSCJ, as Neil logged them about the same time. (TRH-CA1)

1480 KYOS CA MERCED - 3/5 0030 fair with Jim Bohannon, "Newstalk 14-80 KYOS" slogan. This is my UNID from last month. (TRH-CA1)

1600 KRXV CO LAKEWOOD - 2/27 0358 a contest promo mentioning "Y-108," 0400 clear "KRXV-AM, Lakewood-Denver" ID, into news. KQUL-1590 slop partly nulled. (pb-WA)

KATZ MO ST. LOUIS - 3/5 0358-0420 fair mixing with KMMY with SMN "Heart & Soul" Motown oldies service including SMN news at 0358. Legal ID on the hour then back into SMN feed. (TRH-CA1)

UNID ?? ??? - 3/5 0458 light 70's AdCon, would not fit KATZ or KRXV format. Noted 2 or 3 times tonight. Any ideas? (TRH-CA1)

REPORTERS

pb-WA/Phil Bytheway, Seattle, WA/RA-17, ICF-7600-D, Drake SPR-4, 2'x4' Wedge antenna, Shotgun loop antenna

TRH-CA/Tim Hall, Chula Vista, CA/DX150B, ICF-2010, Radio West loop

TRH-CA1/Tim Hall, DX'ing with Neil Kazaross at Neil's Beverage site, Rancho Bernardo (San Diego), CA/ICF-2010, 1500' longwire aimed ENE

BH-WA/Bill Hardy, Aberdeen, WA/FRG-7, Radio West loop

BH-WA1/Bill Hardy, travelling near Olympia & Tacoma, WA/Delco truck radio

BH-OR/Bill Hardy, travelling near Portland, OR/Delco truck radio

WH-CO/Wayne Heinen, Aurora, CO/R-390A a/o RBB-4 with 4' loop a/o 225' LW

WH-CO/John Wilkins, Wheat Ridge, CO/R-1000, 2 1/2' box loop

FCC RULE PRIMER

JOHN D. BOWKER, 14 CANOE BROOK DRIVE, PRINCETON JCT., NJ 08530

IV. AM BROADCAST CHANNELS

First, let's learn some FCC definitions.



WLSV - 790kc
"The Voice of the Southern Tier"
P. O. Box 409
Wellsville, NY 14895-0409

Rule Section 73.14:

"AM Broadcast Band" The band of frequencies extending from 535 to 1605 kilohertz."

"AM Broadcast Channel" The band of frequencies occupied by the carrier and the upper and lower sidebands of an AM broadcast signal with the carrier frequency at the center. Channels are designated by their associated carrier frequencies. The 107 carrier frequencies assigned to AM broadcast stations begin at 540 kilohertz (kHz) and are in successive steps of 10 kHz to 1600 kHz."

An experienced DXer will recognize that not all channels were created equal. Some AM broadcast channels are called "Clear", some are designed for stations covering, perhaps, several counties (these are called "Regional Channels"), and others are used by relatively low-powered stations to cover a town (these are called "Local Channels"). Not all countries divide their channels this way. In fact, most don't. Even our Canadian neighbors have authorized stations on some channels to use powers quite a bit higher than is allowed a U.S. station on the channel.

Let's first look at the Local Channels since they are the easiest to memorize. They are 1230, 1240, 1340, 1400, 1450 and 1490 kHz. These are the most crowded channels; each has over 150 stations. At night, in most parts of the country, it is impossible to receive a station on a Local Channel more than 4 or 5 miles without also hearing a lot of interference. Stations in the continental U.S. on these frequencies are limited to a daytime power of 1000 Watts,* and a night power ranging from 100 to 1000 Watts. Stations in Alaska, Hawaii, Puerto Rico and the U.S. Virgin Islands can be licensed for up to 50,000 Watts on these channels under certain circumstances.

Stations on Regional Channels are generally called "Class III", and may operate with up to 5000 Watts. Many reduce their power at night and/or use directional antennas to help cut down interference to other stations. The Regional Channels are 550, 560, 570, 580, 590, 600, 610, 620, 630, 790, 910, 920, 930, 950, 960, 970, 980, 1150, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1350, 1360, 1370, 1380, 1390, 1410, 1420, 1430, 1440, 1460, 1470, 1480, 1590, 1600. As with the Local Channels, stations in Alaska, Hawaii, Puerto Rico and the U.S. Virgin Islands can be authorized for up to 50,000 Watts of power on these channels under certain circumstances.

The Clear Channels are all those not listed above. In our next installment we will take a close look at the "Clears" because even they were not created equal. Our discussion will help to explain why there has been more interference over the years to some of the Clears than to others.

* Stations within 62 miles of the Mexican border requesting as much as 1000 Watts of power may not be licensed until successful coordination with the Mexican radio authorities as been completed.

International DX Digest

Chuck Hutton

983 St. Charles Ave., #1
Atlanta, GA 30306
(404) 892-6211, before 2300 ELT
Foreign DX Catches. Times are UTC; for ELT, subtract 5 hours

- 530 COSTA RICA Rumbos, Cartago "En Rumbos, la una y cinco minutos" (1:05) IDing this way at 0505 on 2/13. Then a bolero entitled "Sin un Amor" by Trio Los Panchos, a romantic Latin song from the 40s, with some QRM from R. ABC, Santo Domingo, carrier on, as they usually leave it on for a long time even after s/off. (Objio)
- 610 COLOMBIA R. Tequendama, Bogota "Doce y doce minutos en Tequendama" (12:12), time and ID at 0513 on 2/13. Very good, after this "Yo es perare (I'll wait) disco music. Not heard at other times in Santo Domingo. (Objio)
- 650 COLOMBIA Emisora Monserrate, Bogota w/a merengue and an ID as "Antena Dos" only at 0517 on 2/13, as a local station in Santo Domingo at this time, this freq is usually covered by local Radio Universal almost continually. (Objio)
- 690 COLOMBIA LV de Colombia, Bogota IDing as "Radio Deportes de Caracol, Bogota, 690 kHz" at 0520 von 2/3 and continued with pop mx. This freq is usually covered by Radio Guarachita, Santo Domingo. (Objio)
- 720 COLOMBIA "Transmisora Quindio, canciones", Armenia w/this ID at 0524 on 2/13 w/some QRM from another unid stn. First time heard. (Objio)
- 730 COLOMBIA R. Melodia, Bogota IDed at 0526 announcing news program "ultimas noticias" then "Las horas pasan romanticamente en Radio Melodia" and a romantic song after that. (Objio)
- 830 COLOMBIA R. Vision, Medellin, IDed at 0530 on 2/13. Very good, then a local waltz sung by a lady. (Objio)
- 870 COLOMBIA LV del Tolima, Ibague with a beautiful Colombian song entitled "Suplica de Amor" (Begging Love). ID at 0535 on 2/13. As a local in Santo Domingo I did not hear Mar Caribe, Barranquilla this time, always stronger and nearer to Santo Domingo. (Objio)
- 1010 COLOMBIA Emisora Mil Veinte, Bogota IDed as "Mil Veinte, doce y cuarenticinco" (1020 12:45). ID and time, very good, pop mx. (Objio)
- 1020 VENEZUELA R. Mundial Margarita, La Asuncion IDed as "En Margarita la hora Mundial" at 0540 on 2/13, as a local. (Objio)
- 1030 COLOMBIA R. Veinticuatro, Bogota IDing very loud as "Radio 24 repartiendo felicidad en la capital" (R. 24 giving away happiness in the capital) at 0554 on 2/13 then "La Piragua", a very popular Colombian song. (Objio)
- 1030 HAITI 4VEC Cap Haitien 2/16 1900 good with s/off after religious pgm in EE using the generic 4VEH call; without a loop, this could be confused with a US daytimer. (Reh)
- 1190 COLOMBIA "Todelar, Radio Cordillera", Bogota with a beautiful melody with guitar and flute likea waltz, IDed at 0557 on 2/13. (Objio)
- 1290 COLOMBIA R. Impulso, Cali many IDs after a song and gave the time as "la una y ocho" at 0608 on 2/13. (Objio)
- 1340 COLOMBIA "Radio Uno, RCN" Bogota with a very good ID for this station at 0502 on 2/13 and the speaker Dario Torres coming to work from then on with a program of "Vallenatas" mentioning telephone number 222-3123. "Es Uno, RCN" ID. (Objio)
- 1430 COLOMBIA R. Ciudad de Barranquilla, heard w/a lot of QRM but ID was clearly heard, also they gave telephone numbers. A sport program on boxing at 0612 on 2/13. (Objio)
- Cesar Objio - Santo Domingo, Dominican Republic HE30, 4' loop
Charles Reh - Leamington, ONT R390A, Sanserino loop
- 530 COSTA RICA Cartago TICAL 0450 2/11 R. Rumbo w/SS love songs, good. (Hakiel)
- 650 COLOMBIA Bogota HJJX 0335 2/14 Col. mx, ID as Radio de Colombia, RCN, good. (Hakiel)
- 693 ENGLAND Droitwich 0135 2/25 EZL mx, EE talk, good. (Hakiel)
- 765 SENEGAL Dakar 2314 3/6 two men in vernacular, talk good, nightly regular. (Hakiel)
- 780 BRITISH VIRGIN ISLANDS Roadtown, Tortola ZBV1 2/19 0018 good o/others w/pgm of reggae, calypso and soca mx; wildman annrc. (Connolly)

- 810 BAHAMAS Freeport ZNS3 2/19 0003 female annrc read local news in Caribbean EE accent; good w/WGY phased. (Connolly) Religious program at 0643 on 2/27, female speaker, parallel to 1540 (stronger), 810 weaker, but definitely the same station even if I did not hear an ID. All in English. First time heard. (Objio)
- 812 CUBA off freq Cuban heard nightly, Radio Progreso ID, good. (Hakiel)
- 812 UNID 3/1 0448 SS talk by man, then Latin American mx; poor w/WGY phased. Could be the unid others have noted on 815. (Connolly)
- 840 COLOMBIA Brisas de Betania, Neiva at 0703 on 2/27 w/the ID as "Hacha Jota Doble Ka" (HJKK). Good but mixed with Radio Nacional de Panama. (Objio)
- 840 PANAMA R. Nacional de Panama with cultural programs, speaking about whales and ads for Seguro Social, from 0645 to 0700. <any mentions of "Radio Nacional Marina", on 2/27. (Objio)
- 860 PANAMA R. Reforma, Chitre ID at 0444 on 2/27 w/the ID "Radio Reforma si se oye" w/30 years of working for the people, the station that can be heard even in a radio without batteries (as the speaker says) "la mejor emisora". Good. (Objio)
- 885 MONTSERRAT Plymouth ZJB 2/18 2257 accented EE news by woman, good. (Connolly)
- 890 DOMINICAN REPUBLIC Santo Domingo HIPJ 2/18 2300 good w/R. Continental jingle then Santo Domingo news and weather in SS. (Connolly)
- 895 NEVIS Bath Village VON 2/18 2255 loud! w/"Caribbean Queen" by Billy Ocean, then ID "895 AM VON Radio" (VON pronounced like Vaughn). Reggae mx followed. Get these Caribbean splits before they decide to go to 10 KHz channels to be compatible with 10 KHz channelized car radios. (Connolly)
- 900 BARBADOS Bridgetown 2/18 2245 good w/soul and dance mx, AST TC's, then Red Stripe Beer Sports Report. Conditions semi-auroral below 1000 KHz. (Connolly)
- 910 VENEZUELA Maiquetia YVRQ 2/19 0506 rock mx pgm, SS talk, s/off w/Venezuelan NA. Bodacious signal on phased wires; not so hot on loop (weaker and with more QRM, regardless of loop position. (Connolly)
- 930 COLOMBIA Todelar as it IDed but probably R. Continental, Bogota at 0500 on 2/27 w/ads, "Todelar a la Copa Libertador", a sport program. Other ads, many mentions of Todelar. (Objio)
- 940 COLOMBIA while listening to a Colombian music on R. Eco, Cali, heard underneath an ID from RCN (cucuta) at the end of a song IDed as "Eco" only and then a program of tangos. Both stations heard together. (Objio)
- 990 VENEZUELA "En Tricolor Mundial la hora", Barquisimeto, IDed after a long song of Venezuelan pop mx at 0515 on 2/27. (Objio)
- 1089 ENGLAND Brookman's Park 2304 3/1 pop vocals by woman, EE talk, fair. (Hakiel)
- 1090 MARTINIQUE Fort de France 2/19 0520 FF talk, Caribbean mx in jumble w/WBAL phased. (Connolly)
- 1150 VENEZUELA Punto Fijo YVMM 0440 3/5 SS talk, Radio mundial Caribe ID. (Hakiel)
- 1160 CUBA La Julia CMBV R. Taino 2/19 0142 loud w/EE news and sports, creaming VSB/others. (Connolly)
- 1165 ANTIGUA St. John's CRL 2/19 0144 preaching, religious mx, fair. (Connolly)
- 1170 COLOMBIA Cartagena HJNW 0314 2/7 SS talk, Caracol ID, fair. (Hakiel)
- 1170 VENEZUELA unid 3/1 0503 s/off w/Venezuelan anthem, fair o/others w/WWVA phased. (Connolly)
- 1197 WEST GERMANY Munich VOA 0335 2/1 man and woman in RR talk // 7105 SW, fair. (Hakiel)
- 1215 USSR Kaliningrad 0239 2/1 EE World Service pgm // 1386, fair, USSR stn number 4. (Hakiel)
- 1250 COLOMBIA "Radio Capital, la verdadera emisora del pueblo" heard w/this ID at 0553 on 2/27, then a Mexican ranchera. (Objio)
- 1269 WEST GERMANY Neumunster 0323 2/1 Alpine mx, GG talk, fair. (Hakiel)
- 1280 COLOMBIA R. Mundial, Bogota announcing program for the Holy Week, IDed with a girl saying "Radio Mundial, su emisora ideal" at 0602 on 2/27. (Objio)
- 1300 COLOMBIA "esta es Radio Reloj, HJNB, Bucaramanga, de Caracol", IDed this way at 0559 on 2/27, then pop mx. (Objio)
- 1314 NORWAY Kvitsoy 2332 2/27 US oldies, Norse talk, good. (Hakiel)
- 1340 COLOMBIA R. Uno, "es la una y doce minutos en Radio Uno", heard this ID at 0612 after a program of local pop mx. After that another record in program "Parranda Vallenata" (Colombian pop songs). (Objio)
- 1380 CUBA Jaronu CMHY 0353 1/31 love songs by duet, SS talk, ID, good. (Hakiel)

1539 WEST GERMANY Mainflingen 0413 2/1 light mx, GG talk, fair.
(Hakiel)

Mark Connelly - Billerica, MA ICF2010, 2 phased 37 m. LWS
George Hakiel - W. Islip, NY Racal 6790, R71A, LWS, loops, phaser
Cesar Objio - Santo Domingo, DR HE30, 4' loop

The Answer Man

"No Question Is A Dumb Question"

Answers to members' questions, from the basic to the technical

R. J. Edmunds

753 Valley Road
Blue Bell, PA 19422-2052

Welcome to edition # 2 of ANSWERMAN. Our first two questions this time around hit on subjects I'd like to go into a bit more than the usual amount of detail on, so we'll get right into it. One note, though, I've deleted specific references to a station or a location in the first one, both because the point is a generic one, and because that's something I'm inclined to do as a matter of editorial choice anyway....

WMBD AM-TV WKZW (FM)

PEORIA, ILLINOIS 61604

* * * * *

QUESTION: I have been annoyed for some time now by excessive sideband modulation from a local station. Even though I am not within their "city grade" (5 mv/m) contour, their side-bands are so extensive that they interfere with stations 40 kHz. away. I've written to them about it, but have had no answer, and the problem remains. This is not a receiver problem. Their signal strength here is 3.8 mv/m. Would complaining to the FCC help? To what FCC office would I write?

ANSWER: This situation is actually more prevalent than most people believe, but I'm not at all sure that the FCC is the way to go. First, we must remember that we are the ones who are doing something which is out of the mainstream in this case -- we are trying to listen to stations out of our (and their) local coverage area. As such, we are not likely to be taken too seriously by either station management or the FCC when we complain. Further, most of us are neither blessed with the equipment nor the expertise to make acceptable measurements or determinations of what a given problem is or is not, and, therefore, even those of us who might have the equipment and the expertise would be looked upon as suspect.

If you are located in line with a major lobe of directional pattern, and at fairly close range, (I can't tell from the information given), then the conditions described may be quite normal. I know that I've experienced them, and I've known others who have, too. It may also be entirely legal, as non-interference rules don't apply to as much as DX'ers would like them to.

We are also often too quick to say that we know it can't be a receiver problem, when that may not be the case. The receiver may not be malfunctioning, and of that we may be reasonably certain, but the receiver may indeed be functioning exactly as it should, but the problem may be a result of a design which anticipated neither the end use of the radio for BCB DX'ing, or its use in a particularly strong signal area.

My suggestion would be to try a very polite call to the station engineer, explaining, briefly, the hobby, what you're experiencing, and your concerns, and ask if he would mind checking into it, or offering some ideas to you. Failing that, you might want to check the phone book for a broadcast consulting engineer, and try the same approach to see if he can offer any useful advice. There may also be some additional thoughts generated by members who are broadcast engineers or consultants and which I will be happy to include in a future column.

QUESTION: What are the characteristics of groundwave and skywave reception, and how can I distinguish between them?

ANSWER: Strictly speaking, groundwave propagation involves line-of-sight waves, travelling between the transmitting antenna and the receiving antenna. In reality, however, a number of other considerations come to bear. These signals may be wholly or partially blocked, reflected or refracted by other objects with which they come in contact along the way, which may either reduce or extend the actual distance between these two points. Further, weather, seasonality, and ground conductivity may also play a part in such extensions or reductions. Finally, the atmospheric changes between daytime and nighttime are such that groundwave propagation distance is reduced at night because of the interference of the skywave components from the same and other stations which appear enhanced by night.

Skywave propagation is reflected or refracted back to the earth by layers of particles in the atmosphere which appear at various heights. During the daylight hours, a greater proportion of the skywave signal is absorbed by atmospheric particles, therefore significantly reducing the amount of skywave present at or near midday. As the sun's effects become diminished as night approaches, this absorption gradually diminishes, and the skywave is more frequently reflected or refracted back to the earth.

In order to determine which is the prevalent mode, the following factors are indicative. A groundwave reception mode is characterized by a steady signal as recorded on an s-meter over time. Usually a period of 15-20 minutes with minimal fluctuation represents nearly all groundwave. You may have to adjust the sensitivity downward to get the needle off of the pin in order to establish this fact. If there is significant fluctuation in the signal level, or in the loop bearing, then skywave is probably the prevalent mode, although skywave propagation from other stations may have a tendency to mask the groundwave signal of a closer cochannel station. It is this sort of situation which plays a major role in providing us with sunrise and sunset DX.

EDITORIAL COMMENTS: Finally, for those of you who may have some particular areas of expertise which you might like to share with us for use in this column, I would be more than happy to have your assistance, particularly in the areas of computers, and electronics theory and diagnosis. In specific, I have available for diagnosis, copies of the schematic diagrams and description of the problem stated by Cesar Objio in his Musing in Volume 56, #19. I cannot directly help him with his problem, nor do I have any immediate ideas as to a referral. For this column to be of the most service to the membership, I need to have a few volunteers who can handle such things.

That's it for this edition --- 73's RJE

Syracuse Post-Standard
-via Don Voorhies

Tiny Radio Station Loses License

WASHINGTON (AP) — The Federal Communications Commission voted Wednesday to pull the license of a tiny Fredonia radio station on grounds that its owner had discriminated in his hiring practices, lied and run a contest which the prize was awarded to the station.

The commissioners voted 3-0 in a closed session not to renew the license of Catoctin Broadcasting Corp., which runs WBZZ-AM, a 250-watt station in Fredonia, about 35 miles southwest of Buffalo. The station is owned by Henry Serafin.

Among the charges against Serafin is that he discriminated against a black job applicant in 1980, calling her employment agency and demanding, "Don't you have any white girls to send me?"

and adding that the woman "would make charcoal look white."

The FCC also found that Serafin had lied to the commission about that matter.

Finally, the commissioners agreed that Catoctin violated FCC rules by conducting a contest and failing to award the grand prize of a stereo, instead keeping it for use

at the station. In another contest, the station had reportedly awarded the prize, an all-expenses-paid vacation at Niagara Falls, to a station advertiser.

Only about 100 stations have lost their licenses at renewal since the FCC was founded in 1934.

Wednesday, Serafin denied all the charges and said the FCC picked on him for "being small, being poor."

"He has 90 days to go off the air or 30 days to appeal" to the U.S. Court of Appeals for the District of Columbia Circuit, said FCC spokeswoman Rosemary Kimball.



Verification Signers

Wayne Heinen
4131 S. Andes Way
Aurora, CO 80013

Freq. Call	Verie Signer	Contributer			
540 CJSBlu	Jeff Ruck CE	RV	860 KWPCp	Dale Knudsen CE	LB
540 KSHOlB	Robert F. Turner DoE	LB	870 WWLqhb	Robert L. Dunn CE	EB
540 WGTOq	Dick Hart CE	LB	890 KDXUlB	David G. Stanford CE	JT/PT
550 KBOWc	Ed Bauer CE	OW	920 KBNAlB	David Stewart CE	LB
550 KUSAIB	Bill R. Schmidt ESu	EB	930 WKOSr	Bud Stiker GM	RA
550 WAYRq	Larry R. Price	LB	950 WBBFI	Bob Barnett OpM	BH
560 WHNDqbm	Tom Goodall CE	LB	950 WQBElB	Lester Lovejoy CE	TF
560 WJLSq	U/U	RT	960 CFFXp	U/U VP Prog	AR
570 KLDDlmb	Hue Beavers CE	RT	970 WJMXlmbu	Ken Evans AE	RV
580 KKSUI	Del Staab CE	JT	970 WNIUlB	Steve Johnson OpM	LB
590 WKLLlBm	Bob Hoffman E	EB	970 WWDJl	Joe Battaglia GM	BH
590 WVLKl	Tom Devine CE	LB	980 WLUSI	Larry Edwards GM	LB
600 WSJSq	Sam M. Mooney	KJ	980 WWRCq	U/U ACE	BH
610 KILTBlz	Rick Candea PD	PT	990 KZZBl	J.J. Johnson PD	PT
610 WZZKlBz	Troy Pennington CE	RT	990 WVSCl	Harold P. Showman CE	AR
620 WTMJq	Jim Wulliman EM	LB	1000 KKMXP	Mark Bachman	LB
630 WMALq	D.S.Culp CE	EB	1000 WTAklbu	Brian Jefferies PrdD	WH
640 WFNCl	Terry Jordan DoE	RV	1000 WYBTl	U/U	RT
640 WHLOlmbz	David S. Johnson DoE	RT	1010 KBBWlM	Chris Martin MxD	PT
650 WSMq	Tom Bryant ProdM	EB	1010 WCSTl	Marylou Trumper Secy	LB
660 WBLXl	Richard Gallow CE	KJ	1010 WGUNlB	Randy Johnson GM	LB/EB
670 KWXL	Tom Nichols O	KJ	1010 WPYKlmb	Bob Uptain GM	RT
670 WMAQl	Margaret Bryant EM	EB	1030 KCTAlB	Paul Easter CE	RT
680 CJOlBb	Steve Keith E	JT	1030 KKJCrU	Kevin Kenney PD	RV
680 WCNNq	Bob Mayben CE	LB	1030 WNVRI	Frank E. Kaverik P	LB
680 WLFFp	David Sharp	LB	1040 R.Moscowq	U/U	EB
680 WRGCl	Tony Chidress VP	RT	1040 WSGHlmb	Lewis B. Hughes GM	RA
690 KEYRI	Glenn Hascall APD	JT	1050 KKRXI	Mike Russell GM	PT
690 KGGFl	Jack Maxton CE	EB	1050 KMISlB	Al J. Cummings GM	JT/PT
700 CHSJlB	Eugene Boles TD	RA	1050 KTBAIz	Stan Hale	PT
710 KBPIl	Lynn Osborn CE	WH	1060 WCFBr	Jeff Snyder OpM	KJ
710 WORq	Paul K. Stewart CE	EB	1070 KRBEpu	John R. Shadle EM	WH
720 KUAle	R.D.Rogelstad COp	LB	1070 WFLlqlm	Joe F. Poteet CE	RT/LB
720 WGNq	James J. Carollo CE	JT/EB	1070 WIBCq	U/U	TF
720 WNIll	Carl C Kuehn II CE	RA	1070 WKDRl	Craig Ladd M	BH
740 KATKlH	Frank A Nymeyer CE	LB	1080 WEEPlmt	Gary Garrett PD	RA
760 CKQRl	V. Plotnikoff	JT	1080 WUFOl	Fatimah Croom ExSecy	BH
760 WJRq	Ed Buterbaugh DoE	EB	1090 KEXSl	Barbara J. Danner Secy	LB
770 WZELv	Matt Miller M	KJ	1090 WKllImz	Hal Kneller Jr P/CE	RT
790 KCEElhq	Bill Groghan CE	LB/PT	1100 KKLlL	Art Rogers AM/PD	JT
790 WQXII	Thomas L. Guglio DoE	LB	1100 WLBBl	Charlotte Timms M	LB
790 WWAZl	E. Roberts	TF	1110 WBTq	William R. White CE	EB
790 WWAZp	Terry A. Myers	LB	1120 KMOXlB	Paul Grundhauser MTops	EB
800 KQADl	U/U GM	JT	1120 WBISlM	Dick Newcity E	RA
810 CJVAIn	Armand Roussy OpM	BH	1130 WISNq	Robert Johnson	RV
810 KMIKl	Bill Frost	PT	1130 WNEWq	Alan D. Kirschner CE	EB
810 WEKGlB	Ken Davidson TrfD	RT	1130 WWBFp	Susan Thornburg M	LB
820 CHAMlBz	Rob Mueser TD	JT	1140 KNABl	Marci Polly Trf	PT
820 WGGMlBm	Paul Scott VP/GM	TF	1150 CJRCp	Jean-Guy Corley GM	LB
820 WIQTl	David Rockwell OpD	AR	1150 KEZQlB	H.Carr Stalnaker VPE	LB
820 WQSIf	Howard Fisher CE	RA/HH	1150 WDELp	William Blatz CE	LB
830 CFJRlB	Douglas J. Radford GM	LB	1150 WIMAl	Mark D. Guerhart DoE	LB
830 KFLTIz	Ed Phillips M	WH	1150 WTYCl	Pamela B.Sardinia GM	BH
830 WADUlM	Virgie H. du Treil	RT	1160 KSLq	John Dehnal CE	EB
830 WLNDl	Nancy Hoffman GM	TF	1160 WOBMI	Thomas Maciaszek ACE	RA
840 WHASq	Charles Strickland CE	EB	1165 CRLIz	John Steel E	EB
850 KFUOlz	John Fischer CE	EB	1180 WJFI	John J.Fuller O	LB
850 KHLOp	Russ Roberts PD	LB	1200 WAGEuf	Casey Ritter PD	KJ
			1200 WAYDlMz	Tom O'Brien AGM	RT

1200 WOAiq	John Furr TD	JT	1420 WHKl	Chip Binder PD	BH
1210 KLDIl	Kent Johnson M	LB	1420 WLISlz	Roxanne Tanasi ATrfM	LB
1210 WBUlmb	Sam North PD	RT	1420 WTCRp	Robin Ross	LB
1220 KTLVIm	Dale Williams GM	LB	1430 KLOqb	Don Hill PD	WH
1220 KZEElz	Drew Springer	OW	1440 WZYXlM	Mary Lou Garner OfM	RT
1220 WKRSIm	William R. Sullivan CE	LB	1450 KGREl	Robert D. Zemmler O/GM/JT	
1230 KBARpmb	Gerald Thaxton CE	OW	1460 KCRBlN	U/U PD	BH
1230 KBCRIb	Tom Pike GM	OW	1460 KKCSlB	Bob Gourley GM	JT
1230 WCMCl	Scott Wahl NxD	BH	1460 WBETIm	Peter George CE (NRC) RA/BH	
1230 WHODl	John Parker GM	KJ	1460 WGNAl	Jack Shafer CE	AR
1230 WSTRlmb	Randy Jung GM	LB	1460 WKAMr	Bill Musser GM	LB
1240 KDGOl	Scott R.Sparks OpM	JT	1470 KSIRl	Gary Hartley CE	JT
1240 WBABl	John Blake DoE	HH/TF	1470 KUTYr	Pat Ware OfM	LB
1250 KKFXl	Greg Winston M	JT	1470 WMMW	Blaise Lamphier OpM	LB
1250 KZOUlB	Tom Nachols E	OW	1470 WKKWl	William Latkatis CE	TF
1260 KROXlz	Frank Fee GM	JT	1480 KGcXpu	Arch Ellwein GM	WH
1260 KWYRIb	U/U AE	JT	1480 KRAEP	Lynn Kroff	LB
1260 WNDElB	Mike Rabey CE	EB	1480 WSArP	Mark McMillian	LB
1270 KDJI	Floyd Simmons	PT	1480 WSAyIb	Irvin L. Ward Jr	TF
1270 WCBClu	James R. Van PD	RV	1490 KBOLlpub	Frank Pierce MxD	JT
1270 WSPRI	Martha A.Miller BusM	BH	1490 KHNDlmu	Allen R. McIntyre GM	WH
1280 WADOlM	Richard N.Ross CE	RV	1490 KRSNIb	Stanley Prueitt	JT
1280 WPBGl	Gary Minkler CE	KJ	1490 WKVTl	Ginny Yager AdmA	BH
1280 WYAlLu	Dan Williams GM	RV	1500 KSTPlB	Norm Paetznick CE	RT
1290 KIVYl	John Gibbs O/M	KJ	1500 WFIp	R.Davis OfM	LB
1300 KGLOlU	Steve Locker E	WH	1500 WTOPq	U/U	EB
1310 KOKXlB	Cathy E. Roberts OfM	PT	1510 CKOTl	Robert Lamers E	BH
1310 KZZPlBz	Robert Reymont E	WH	1510 WAUKl	Bob Hunjadi CE	LB
1310 WMTGl	Brenda T. Alampi AE	LB	1510 WJlClmb	Ben Ferguson VP/CE	BH
1320 KEMXpu	U/U VP/GM	WH	1510 WLACfm	Watt Hairston CE	BH
1320 KGNRqIbu	James D. Balcom CE	JT	1510 WNLCP	Dan O'Brien PD	LB
1320 KOLTlB	Rob Sargent PD	PT	1510 WPUTl	Ronald E.Graiff O/P	BH
1320 WARAl	Dave Kane M	BH	1510 WSSHl	John D.Kennedy CE	BH
1320 WDERl	Chris Duffy M	BH	1520 KMAMl	B.D. Thornton P/GM	LB
1320 WGETlMz	Rod Burnham GM	BH	1520 KOMAQb	Dennis K. Pharr	RT/JT
1320 WJASlMz	Anthony J. Rizza GM	RT	1530 KLRAI	Doc Webb PD	KJ
1330 KLBOl	J.D. Wade GM	OW	1530 KXTDlZ	Thomas Harrison VP	OW
1330 KOVElBz	Sherri J.Couey OfM	OW	1540 CHINlZ	Candace Steele EDept	EB
1330 WNYMf	H. Ed Smith CE	BH	1540 KXELqmbz	John Humpal CE	RT
1340 KTOWf	Tom Mills GM	PT	1540 WMDOlB	Allan S. Klamer VP/GM	BH
1340 WMDlBz	Bill Musser GM	BH	1555 Cayman	Loxley Banks DoCB	LB
1340 WRODlmb	Tony Welch P/GM	RT	1560 KBEWl	Roy Haven M	JT
1350 WlNYl	Gary W. Osbrey PD	BH	1560 KQYXl	William B Neal	LB
1350 WLRQl	Kenneth W. West E	KJ	1560 WMYFp	Thom Fucci M	LB
1360 KRKKluz	Biff Jannuzzi NxD	RV	1570 CHLOlM	Patrick A. Roi CE	EB
1360 WWWBl	Rick L Jones GM	LB	1570 WHLPlM	Steve Turner GM	EB
1370 KIKSl	M. Medinas	LB	1590 KGASf	Minnie Bush Secy	PT
1380 KCNWlB	David Baldwin OpM	LB	1590 WAKRI	Glann Foldessy CE	RT
1380 KHJJP	Catherine Moreau	LB	1590 WGGOf	John R.Newman P/CE	BH
1380 KSWOl	John C.Brandt PD	KJ	1590 WVNafz	James Alan COp	WH
1380 KTSMl	Jack Rye ExVP	LB	1600 KBBXlBm	Bob Gourley M	LB
1380 WNRll	Bob Allen DoOP	TF	1600 WAOSl	Gracie Zamarron M	LB
1390 KAMOl	Renee Peachee	LB	1600 WIXYl	Dusty Snow PD	TF
1390 KDZRpu	U/U CE	WH	1600 WKGKI	Ron Brown GM	FW
1390 KMIXlUh	Fred Compton CE	WH	1610 CarBeacq	Gareth Hodge M	EB
1390 WMGOl	Michael McCullough ExVP/GM	KJ	1610 KID737l	Peter K. Nigh Supt.	HH
1390 WYXlIz	Mark Lefler P	LB		(Dept of Interior/Allegheny Portage RR & Johnstown Flood)	
1400 KLINlB	William Seier E	WH	1610 TISp	Robert E. Wilson	HH
1400 WHCCl	Dan Lynch GM	RT		(Chincoteague Wildlife Refuge, Box 62, Chincoteague, VA 23336)	
1400 WICKlZ	Paula Deignan PD	BH	1620 RNIP	Allan GH.Weiner	KJ
1410 KBANl	Bill Elter PD	BH			
1410 WINGlB	Rob Ellis PD	BH			
1420 WACKl	Ted Bertot PD	BH			
1420 WHBNI	Tom Devine CE	LB			

WRBQ 105fm and 1380am

Formats

Tony Fitzherbert

356 Jackman Avenue
Fairfield, CT 06430

Changes in programming status; reported by NRC members and others

In the editor's back yard, WJBX-1450 has gone silent, in preparation for sale to the newly formed Cumbro Broadcasting Company. The new organization has applied for the call WCUM, and the owners, two members of Bridgeport's very substantial Hispanic community anticipate returning to the air around April 1, with 24 hour a day Spanish programming. Until then, the DX is most interesting on 1440-1460 here. WJBX was a fine oldies station, and many listeners will miss the station. I hope that genial P.D. Marc Trulove gets a job elsewhere.

This column is brought to you by budding (and aspiring) broadcaster Eric Bueneman (E), the M Street Journal (M), and your editor (TF), who has actually done some DX'ing, what with WJBX gone. Also, a mini-dial card for Bridgeport radio. On with the show!

- | | | | | |
|------|------|----|-------------------|--|
| 600 | WICC | CT | Bridgeport | - CHR, talk after 1800, full service with some ABC feed (TF). |
| 730 | WJTO | ME | Bath | - News/talk/oldies (M). |
| 830 | WADU | LA | Norco | - EZ1 for New Orleans (M). |
| 850 | WREF | CT | Ridgefield Center | - Full service, nostalgia, lots of business features for the executive clientele of Fairfield County (TF). |
| 910 | KKSN | WA | Vancouver | - Transtar Adult Standards (M). |
| 940 | WMAZ | GA | Macon | - Adult standards (M). |
| 980 | WSIX | TN | Nashville | - Talk nights, CWM//FM days (E). |
| 980 | CHTX | PQ | Montreal | - CHR (M). |
| 1150 | WZBQ | AL | Tuscaloosa | - CHR //FM "Z-102" (E). |
| 1160 | WAMB | TN | Donelson | - NOS (E). |
| 1170 | KSTT | IA | Davenport | - Rock//WXLP (M). |
| 1230 | WBLJ | GA | Dalton | - AC (E). |
| 1230 | KFJB | IA | Marshalltown | - Oldies (M). |
| 1230 | WITH | MD | Baltimore | - MD. State Network - talk (M). |
| 1250 | WKBR | NH | Manchester | - AC (M). |
| 1310 | KOYL | TX | Odessa | - Spanish (M). |
| 1320 | WHIE | GA | Griffin | - CWM (M). |
| 1340 | WXXR | AL | Cullman | - Trans-oldies (M). |
| 1370 | WQPN | WV | Moundsville | - SMN oldies (M). |
| 1400 | WAMQ | PA | Loretto | - AC//WBXQ (M). |
| 1430 | WLSQ | GA | Dalton | - Rock oldies, "Stereo 1430" (E). |
| 1440 | WCDL | PA | Carbondale | - Now all polkas. (TF). |
| 1450 | WJBX | CT | Bridgeport | - Silent, will be WCUM, Spanish around 4/1(TF). |
| 1500 | WFIF | CT | Milford | - Religion, mostly paid (TF). |
| 1510 | WSSH | MA | Boston | - Now CWM, ID's as "AM-1510" (TF). |
| 1510 | WLAC | TN | Nashville | - News/Talk days, religion at night(E). |
| 1520 | KSGO | OR | Oregon City | - Transtar oldies (M). |
| 1530 | WDJZ | CT | Bridgeport | - AC/NOS/Ethnic on Sundays, AP Radio news,tax shelter for a local fuel distributor and contractor (TF). |
| 1550 | KZQQ | UT | West Valley City | - Drops SMN Z-Rock for Classical music!!(M). |
| 1560 | KFRS | WA | Sumner | - Silent(M). |
| 1580 | WEBG | PA | Ebensburg | - Reported silent (M). |
| 1590 | WQCC | PA | Honesdale | - SMN CWM (M). |
| 1590 | WQCH | GA | LaFayette | - CWM "Q-County"(E). |
| 1600 | WWBR | TN | Harriman | - Silent (M). |

1250 AM
KOFC
CHRISTIAN RADIO

KWMB
P.O. Box 46
Wabasha, Minn. 55981

This edition of Formats is brought to you by first time correspondent David Brun, of Dover, Delaware, the M Street Journal, and Jerry Starr and BKF. Jerry writes that WOR1-1430, in Oak Ridge, TN, is silent, as is WEMG, which should have been listed as 1550. Jerry also observes that WLND-830 has gone to a religious format, although is has kept most of its sponsors...so after a teaching tape, one can hear a loud advertisement for a motorcycle dealer, complete with rock music!

WJBX-1450 is still silent, and no sign of WCUM as yet. Thus, the DX scene from 1440-1460 is still great here. Now, courtesy of (DB), (M), (JS), and your editor, here is the show....

- | | | | | |
|------|------|----|-----------------|---|
| 570 | WKBN | OH | Youngstown | - Talk, except for three hours of music in the AM (JS). |
| 630 | WPRO | RI | Providence | - All talk (M). |
| 690 | WYIS | PA | Phoenixville | - Spanish (DB). |
| 730 | WCPT | VA | Alexandria | - Black oldies, no //FM (DB). |
| 830 | WLND | OH | Cortland | - Rel/Gospel(JS). |
| 840 | WKDI | MD | Denton | - Oldies (DB). |
| 850 | WNIS | VA | Norfolk | - Talk (DB). |
| 900 | WSEA | DE | Georgetown | - Oldies (DB). |
| 910 | WORD | SC | Spartansburg | - AC (M). |
| 920 | WPTX | MD | Lexington Park | - AC (DB). |
| 930 | WYUS | DE | Milford | - CWM (DB). |
| 960 | WSBY | MD | Salisbury | - Nostalsia (DB). |
| 1010 | KKGZ | CO | Brush | - Silent (M). |
| 1050 | WNTR | MD | Silver Spring | - All talk as of 2/24 (DB). |
| 1160 | WYNS | PA | Lehighton | - Oldies (DB). |
| 1220 | KRGO | CA | Fowler | - News, ABC/MBS Talk (M). |
| 1240 | WCEM | MD | Cambridge | - CWM, A(1) News (DB). |
| 1240 | WSNJ | NJ | Bridgeton | - BBD (DB). |
| 1270 | WFHM | NJ | Vineland | - BBD (DB). |
| 1280 | WSUX | DE | Seaford | - CWM (M). |
| 1290 | WHIO | OH | Dayton | - News/Talk (M). Another former rocker gone for good!!(TF). |
| 1320 | WICO | MD | Salisbury | - CWM (DB). |
| 1370 | WKIK | MD | Leonardtowntown | - CWM (DB). |
| 1380 | WMPS | TN | Millington | - Silent (M). |
| 1400 | KKNX | TX | Huntsville | - Rel (M). |
| 1440 | WREY | NJ | Millville | - Spanish (M). |
| 1440 | WRHX | VA | Herndon | - Silent since 1984 (DB). |
| 1450 | KTZR | AZ | Tucson | - Spanish (M). |
| 1470 | KXOA | CA | Sacramento | - Business news. (M). |
| 1490 | WUSS | NJ | Atlantic City | - UC (DB). |
| 1500 | KSJX | CA | San Jose | - Ex-KHTT, business news (M). |
| 1520 | WKWB | NY | Buffalo | - Business news, Talknet (M). |
| 1530 | WCTR | MD | Chestertown | - AC (DB). |
| 1540 | WMYF | NH | Exeter | - SMN Standards (M). |

Wsm
Wsm, AM-FM
2644 McGavock Pike
Nashville, TN 37214
Phone (615) 889-6595

All for this time....thanks, gentlemen!

CITY QUIZ

John S. Bowker, Valparaiso, IN

QUIZ # 26

Only one city in the United States has stations operating at the five dial positions shown below. Of course, there may be other stations in this city too! Can you spot the city?

670 820 950 1110 1390

Here is a hint: it is one of these: Ft. Worth, Boise, Chicago
(The answer will appear at the end of the next City Quiz in DX News.)
The answer to City Quiz # 25: Milwaukee

Three arrested after damage at WREN site

By The Capital-Journal state staff

OSKALOOSA — Three area residents were charged in Jefferson County District Court Tuesday in connection with an alleged overnight break-in at the former WREN tower and transmitter site off US-24 in western Jefferson County.

The three, James A. Gragg, 34, Baldwin City; Tommie Lee Jones, 36, Lawrence; and Marlan L. Jones, 30, Lawrence, each were charged

with burglary, felony theft and felony criminal damage to property, according to court records.

District Judge Gary Nafziger set bond at \$5,000 for each of the defendants and scheduled their preliminary hearings for March 24.

Sheriff's Detective R.J. Williams Jr., said the break-in was discovered shortly before 2 a.m. Tuesday by an off-duty Shawnee County deputy who was driving by the tower site in his personal vehicle.

Williams said the deputy notified authorities. The Jefferson County sheriff's dispatcher sent officers to the scene and they arrested all three suspects at the scene.

According to the criminal complaint, four air capacitors, three transcribing turn tables and miscel-

aneous pieces of metallic scrap valued at more than \$500 were taken from the building.

The sheriff's report indicates between \$60,000 and \$100,000 damage was done to radio transmitters inside the building.

Don Neer, general manager of KTOP-KDVV, refused Tuesday to confirm the damage estimate.

The former WREN property is now owned by Westinghouse Credit Corp., Pittsburg, Pa. The Westinghouse firm filed a foreclosure suit on the property in September 1987, just a few days after WREN went off the air. In the foreclosure suit Westinghouse claimed it was owed \$1.18 million for unpaid loans and interest.

The Topeka Capital Journal - via Paul Swearingen

WSCM
AM-1190
P.O. Box 370
Cobleskill, N.Y. 12043

Domestic DX Achievements

Donald Erickson
6059 Essex Street
Riverside, CA 92504

Domestic DX totals listed periodically in different categories

Next Deadline: As indicated by NRC HQ. June 1, 1999
This listing in order of Total Domestic Heard (TDH)

YR	Up Name, Location	TDH	SH	PH	TDT	ST	PT	TDV	SV	PV
70	84 Robert Kramer, Chicago, IL	3071	50	x 10	2164	49	x 9	2038	49	x 10
56	88 Roger Winsor, Hobart, IN	3018	50	x 10				1193	50	x 8
31	82 Sid Steele, eastern IL	3000E	49	x 10				2715	49	x 10
24	78 Steve Bezilla, central PA	3000E	48	8				50E	45	4
66	86 Gary Siegel, Toledo, OH	2536	49	x 10	60	22	6	6	4	1
30	87 Frank Wheeler, nw PA	2486	50	x 9	231	34	x 3	1698	50	x 9
50	78 Ed Krejny, vic Cleveland, OH	2456	49	x 10				2141	49	x 10
70	86 Stephen Francis, ne TN	2247	46	x 7				43	42	x 0
54	86 Jerry Starr, Youngstown, OH	2159	50Nx	10	1055	50Nx	10	1610	50Nx	10
58	78 Ernie Wesolowski, Omaha, NE	2050	49	x 9				1950	49	x 9
39	84 Dennis Pimper, ne NE & Br City, UT	2015	47	7	651	40	5	400	45	6
31	84 Peter Clarius, nr Elizabeth, NJ	2012	48	10				1449	48	10
22	87 Harold Whittier, vic Boston, MA	2003E	42	10	-	-	-	330E	-	-
52	87 Roy Millar, vic Seattle, WA	2000E	50	x 10	-	-	-	1647	50Nx	10
61	78 Joseph Fela, central NJ	1961	49	x 10	400E	40	x 7	1045E	48	x 9
45	78 Ken Chatterton, northern NY	1845	50	x 10				1101	50	x 10
70	78 Karl Forth, vic Chicago, IL	1771	48	x 10	1077	48	x 10	1088	48	x 10
??	85 Dave Whatmough, Hamilton, Ontario	1724	49	x 10				967	49	x 10
69	84 Karl Jeter, Atlanta, GA	1574	44	x 6				1193	44	x 6
62	81 R. J. Edmunds, nc NJ	1545	47	x 9	806	41	x 8	263	42	x 6
70	87 John Malicky, Pittsburgh, PA	1461	40	x 7	1184	40	x 6	902	38	x 7
60	89 Andy Rugg, Montreal & sc Ontario	1458	47	x 10	142	27	x 7	1434	47	x 10
68	84 Dennis Pimper, nr Brigham City, UT	1375	45	7	651	40	5	400	45	6
62	78 Gary Atkins, Louisville, KY	1360	49	x 7	102	36	1	260	41	x 4
60	89 Andy Rugg, Montreal, P.Q.	1290	47	x 10	142	27	x 7	1270	47	x 10
65	79 Dave Schmidt, se PA/n DE	1250E	48	8	400E	40	4	1006	48	8
63	86 Ray Arruda, nr Boston, MA	1245	47	x 9				937	47	x 9
62	86 Ron Musco, vic Hartford, CT	1241	46Yx	9	105	28	3	1117	46	x 9
74	82 Rick Carr, Austin, TX	1213	43	x 7				1199	43	x 7
60	81 Don Lynch, Chelmsford, MA	1142	45	x 8				-	39	x 4
77	84 Bob Mielcarek, Milwaukee, WI	1130	42	x 5				154	39	5
62	86 Marc DeLorenzo, eastern MA	1117	45	x 9						
64	84 Wayne Heinen, Colorado	1105	49	x 9				998	49	x 9
61	78 Neil G. Zank, Lincoln, NE	1100	46	9				535	45	9
70	82 Harry J. Hayes, ne PA	1100	41	x 9	502	39	x 9	102	27	2
77	79 John Hoogerheide, Louisville, KY	1083	42	4				671	42	4
78	87 Niel Wolfish, vic Toronto, Ontario	1080	43	x 10	402	39	6	550	42	x 10
57	78 Robert Foxworth, L.I., NY	1000E	49	x 10	400E	44	x 9	270E	48	x 7
76	84 Jim Renfrew, Rochester, NY	972	42	x 9	-	28	6	95	32	x 5
74	85 Sharon Skowera, Enfield, CT	970	40	x 8	370	38	x 6	247	40	x 8
63	79 Chuck Hutton, Atlanta, GA	949	46	6						
78	81 Michael Jeziorski, IL	948	42	6				26	16	1
78	84 Mike Knitter, Cambridge, WI	936	44	6	933	44	6	31	16	0
72	78 Dick Truax, Louisville, KY	935	46	x 6	120	35	x 5	20	17	3
66	84 Ken Onyschuk, near Chicago, IL	900E	43	x 5				16	13	0
64	78 Greg Hardison, Atlanta, GA	900E	36	6				42	19	5
68	86 Thomas White, nr Washington, DC	884	39	x 7				221	38	x 7
60	84 Bill Hardy, coastal WA	845	40	5				5	3	0
31	85 Geo. Holland, Jr., vic. Albany, NY	828	49	x 9				828	49	x 9
67	84 Jim Renfrew, New Canaan, CT	804	39	x 8				267	36	7
57	78 Art Fregeau, Northford, CT	803	45	x 11				214	41	x 7
75	82 Paul Swearingen, se KS	795	43	x 6	434	40	x 5	-	-	-
69	78 Jim Wallace, Columbus, OH	795	41	x 7				137	36	x 3
62	78 Jerry Bond, Rochester, NY	785	43	x 8						
69	84 Nancy Hardy, coastal WA	778	40	5	50E	10	2	3	2	0
81	86 John Herman, Vinita, OK	763	37	x 5				234	35	4
60	84 George Greene, Akron, OH	743	45	x 7				119	29	3
69	84 Mike Hogan, vic Chicago, IL	722	45	10	302	-	-	41	24	1
85	87 Niel Wolfish, Winnipeg, Manitoba	722	40	6	113	10	4	270	35	6
82	88 Bob Harrison, northeastern NJ	721	35	x 7	-	-	-	386	34	x 7
74	82 Bill Bergadano, NYC, NY	719	38	5	250	-	4	105	37	4

WHAT

YR	Up Name, Location	TDH	SH	PH	TDT	ST	PT	TDV	SV	PV
82	87 Bob Smolarek, nc NJ	702	36	5	56	14	5	5	5	0
75	86 Stephen Ponder, Bossier City, LA	682	38	x 5	10	4E	4	669	38	x 5
73	78 Brett Hanavan, vic San Diego, CA	663	39	5	221	29	4	99	33	2
73	78 Lynn Burke, Tidewater VA	650	36	x 6				18	7	1
71	84 Jim Renfrew, Severna Park, MD	637	-	-				15	7	1
77	79 John Buehler, Toledo, OH	591	43	x 6	360	41	x 5	1	1	0
70	78 Weldon Childers, nw AL	587	32	x 3						
81	82 Neal Perdue, Falkville, AL	552	34	-						
76	87 Steve Goozovat, Binghamton, NY	535	36	x 7						
74	86 Jim Hilliker, Anaheim, CA	525	35	5	300	35E	5	181	31	5
81	88 Donald Erickson, Riverside, CA	521	39	6				258	32	5
84	88 Phil Tallman, Ardmore, OK	520	40	x 4				397	37	x 4
75	82 John Clemmer, Peoria, IL	500	37	x 3	14	11	0	10	8	
73	86 Paul Mount, northeast NJ	489	36	x 7	199	26	x 5	224	33	x 6
??	80 Eric Loy, Mahomet, IL	424	37	x 4	2	1	1	53	22	2
78	86 Paul Mount, southeast OH	390	36	x 3	60	25	1	3	3	0
59	78 Linda Brodsky, vic NYC, NY	374	35	x 7	108	36	x 6	43	26	x 3
70	82 K. Rychalsky, c CT	370	33	x 6				315	32	x 6
69	78 Richard Noel Allen, nc OK	350	38	7	3	2	1	41	13	7
81	86 Eric Bueneman, Hazelwood, MO	350E	37	x 5				227	34	x 5
75	78 Michael Good, Boston, MA	334	33	x 8	6	3	1	8	5	0
47	82 Peter Taylor, San Francisco, CA	307R	32	7	1	11	0	263	32	7
78	84 Jim Renfrew, Raleigh, NC	307	27	2						
63	78 Ed Gehringer, w. Lafayette, IN	300E	36	7	30E	10	5	1	1	0
75	81 Gary Houdek, northcentral KS	294	34	3				31	21	1
52	82 Peter Taylor, Durham, NC	250	40	x 6				205	38	x 6
69	78 Bob Karchevski, San Francisco, CA	249	36	5	197	35	5	198	36	5
74	85 Patrick O'Connor, Hinsdale, NH	234	28	x 5	2	1	0	164	28	x 5
76	86 Dave Holten, eastern WA	221	22	4	12	5	0	26	18	3
77	78 Charles McHarg, vic Seattle, WA	199	24	4				4	3	0
71	86 Rick Krzemien, vic Chicago, IL	197	47	x 9				131	45	x 8
62	78 Ira Green, Cincinnati, OH	193	34	x 4				2	2	0
67	85 Richard Turner, se MA	187	29	x 6						
47	82 Peter Taylor, Miami, FL	174	29	x 4				132	27	x 3
70	85 Marshall Lillie, Erie, PA	170	26	x 2				135	22	x 1
77	78 Donald Woods, w Los Angeles city, CA	139	21	1						
72	78 Warren Greenberg, vic Boston, MA	125E	27	x 6				99	26	x 6
38	78 Roger Anderson, metro Wash. DC	48	x 9					1017	48	x 9
55	78 G. Harley DeLeurere, Hendricks, WV	48	x 10					48	x 10	
82	84 H. Parkhurst, Nenana, AK	29	8							
32	78 Ernest Cooper, Cape Cod, MA							3601	48	x 10
33	86 William J. Prater, KY							3446	50	x 9
46	87 Hank Holbrook, metro Wash DC							2109	50	x 10
54	78 John Sampson, Omaha, NE							912	45	x 6
68	78 John Sampson, Winston-Salem, NC							450	30	x 1
60	78 John Sampson, Hutchinson, MN							336	42	6
66	78 John Sampson, Cupertino, CA							258	17	3
65	78 John Sampson, metro New York City, NY							181	33	x 6



This listing the column marked "Up" includes the year in which the last update was received or entered into the computer. Yes, most have not updated in 5 years. Apologies to any whose "Update" year is incorrect. Send a postcard and it will become "89".

YR = Year Started BCB DXing TDH = Total Domestic Heard (US/Canada only)
SH/PH = States Heard/Provinces Heard
TDT = Total Domestic Taped ST/PT = States/Provinces Taped
TDV = Total Domestic Verified SV/PV = States/Provinces Verified
x = Washington, DC N = NWT E = estimated I = incomplete
R = recalculated Future listings will occur when there is some interest among the membership. 73. -Don- (714) 687-5910 until 3AM PLT.

W R O W AM 590

Musings

of the Members

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

Mike and Sue Knitter

P. O. Box 24

Cambridge, WI 53523-0024

Times are local per Muse.

"Slow Muse is Better than No Muse"

Malcom Maxwell - Box 19573 - Atlanta, GA 30328

Hello out there! It's been a while since I've written to the Musing pages, so a quick update. I'm 33, single but looking, and have been a radio 'nut' since age 5. The decline of AM radio is sad but almost inevitable. The quality of AM receivers available to the average consumer is terrible! The few exceptions to the rule, however nice to have, won't turn the tide. Poor sensitivity, poor selectivity, bad audio bandwidth; yes, the last two do go together and the awful shortwave harmonic whistles make for unpleasant listenings. This has been a big reason for the growth of FM, which has given us the strange situation in Atlanta of having 16 religious stations on the air. Most of these stations are either daytimers, or low power or both. Ten or fifteen years ago, most of these stations played music. The growth of FM made cost cutting inevitable. The cheapest format to run is paid religious! Just one person to switch tapes. A small sales staff and no real reason to pay for those rating books. In my opinion money, not demand, has put the Bible-thumpers on the air in this city. A 500-watt daytimer is just not profitable in a major metropolitan area, unless it runs a "cheap ship". Low expenses, and part-time workers is what it takes to stay alive. I wish Eric Bueneman the best of luck on his station, but I hope he doesn't go broke. As for the FCC regulating the formats of stations, I don't listen to religious stations either, but I don't want the Government setting formats - has something to do with Free Speech and all that. It would be nice to prevent non-profit organizations from operating for-profit radio stations complete with advertising, tho. Keep listening.

"Reply Time to Opposing Viewpoints"

Eric S. Bueneman - 5002 Cross Ridge Ct. - Woodstock, GA 30188-4380

I have received replies to my recent Muse on the wastefulness of REL stations on the AM band. Malcom Maxwell replies: "The reason so many Atlanta AMs are running religious programming is that it make money." [also see Muse above - mike] All it does is pay the electric, phone and postage bills. Very few (if any) such stations make enough money to promote their product. If there was any money left for promotion, the only promo items they could afford is bumper stickers. They cannot afford to advertise on billboards (like WSB-750), and Atlanta has no full-power Christian TV station. Satellite-fed programming (BRN Business News, Format 41, Z-Rock, ABC Talkradio, Heart and Soul, Country Coast-to-Coast, WNN motivational talk, New Age ('Breeze' or 'The Wave'), and Stardust, just to name a few) would have made those stations a lot more money than religious programming, and these aforementioned satellite formats would give these stations 1.0 shares, instead of zero shares they currently get as religious stations. Frank Merrill writes: "If Atlanta were limited to 4 (REL stations), you'd then have 17 each of talk, EZL/NOS or AC stations". Look at the list above. Plus, add ethnic programming and old-time radio. Frank also states that "the FCC (with perhaps undue influence from a consortium of FM broadcasters) is SQUARELY to blame for the failing of AM. They should have picked an AM Stereo standard eight years ago, and they shouldn't be JAMMING so many stations onto every channel, so that nobody has an interference-free Grade A Channel anymore." Even though putting limits on the number of REL stations violates the First Amendment, it is designed to bring listeners back to AM. More on the proposed KXEN deal: The call letters planned for use on 1010 will be KXLW, a call used on 1320 from the late 1950s through the early 1970s in Clayton, MO (now KSIV). The CHR format will emphasize major and minor hits of the 1980's, eventually to become an all-'80's music station, creating a new, eclectic format. Hazelwood will be the ONLY city used in the hourly legal ID, and advertising will be, for the most part, directed AWAY from St. Louis and its more affluent suburbs. Plans are also being studied to the possibility of buying KATZ-100.3 Alton, IL from KATZ-1600. Two plans are being made. Plan A includes a move to Hazelwood, with 50,000 watts ERP at 500 feet above average terrain from a site near Creve Coeur or Chesterfield, MO, and changing calls to KEGW. Plan B is to stay at Alton as WEGV. This would enable the FM to ID as "Eagle 100". Most of the on-air staff will consist of current and former KCFV personalities (example: Buzz Carlson, Kevin Vetter), plus former KXOK-630 jocks Ralph Anthony, Ron (Johnny Rabbitt) Elz and Dave McCann, along with current WKLL-590 evening jock Courtenay Fowler. The entire KCFV specialty show lineup (Solid Gold

NRC AM Radio Log

The most up-to-date listing of domestic MW stations available, anywhere! 200 pages, three-hole punched. \$12.95 each, to U. S. NRC members; \$13.95 Canadian NRC members; others write.

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Sunday, Metal Mania, Breakway (Christian Rock) and Weird Wax (comedy) will be moved to the new stations (latter two on AM). The Iowa personality Frank Merrill spoke of, Layton Zbornik, could do an evening shift on the FM (if he doesn't mind playing a CHR/Urban mix on FM). 73.

[Thanks, folks, now let's move onto another subject; enuf REL -mike]

Doug Allen - Box 5646 - Woodland Park, CO 80866 - 3/2/89

Hello Fellow Knob Twirlers. Oh, you're using one of those new fangled radios without knobs, maybe one of those little ones that fits in our breast pocket, tunes from zero to infinity, and perhaps has a built in Beverage or two! Well, with that lead-in I'll tell you about my new knobless radio. In late January I purchased a Denon TU-800 AM-FM tuner for FM DXing. It's has excellent specs (especially adjacent channel selectivity) on FM and has made FM DXing very exciting! Naturally, I didn't expect much on AM from this tuner. I've used several AM-FM receivers and tuners in the past; the AM tuner was always a piece of junk, even on receivers or tuners costing several hundred dollars. Why, I often wondered, couldn't they include a Realistic TRF quality AM tuner? It wouldn't cost that much. Well, the Denon has a pretty good AM tuner and would make a good domestic AM receiver with one of the better loops. The loop that comes with the Denon is satisfactory. The Denon tunes from 520 to 1710 in 10Khz steps (no splits). Selectivity is rated at 55dB at 10 KHz, and I can DX adjacent to my S 9+ daytime locals (several 5Kw stations at 20 miles and KOA at 50 miles) or any station at night. Of course, I'm lucky to have no really close powerhouses! I dusted off my old Palomar loop and hooked it up to the Denon. As with the Denon unamplified loop, I noted no spurious signals, intermod, or other signs of poor dynamic range. The frequencies 1610 to 1710 were clear during the day as they should be. However, hooking up the 160 meter dipole or one of the Beverages overloaded the Denon; several stations were mixing on many of the frequencies including 1610 to 1710. I would rate the dynamic range only fair - better than any other AM-FM tuner I've used, and as good as some of the inexpensive receivers I've used such as the DX-150A or DX-300. The Denon "S-meter" and manual are poor. The former measures relative signal strength of one to seven. Moderately strong signals pin it. The skimpy manual has no circuit diagram and little technical information. Up to 30 AM and FM channels can be programmed into memory and scanned. I find this a very useful feature, especially on FM. Other "bells and whistles" such as switching between three muting levels and 3 IF bandwidths is deactivated on AM. For many years I've done almost all my AM and SW DXing using exalted-carrier selectable sideband. The Denon is no match for a good communications receiver using ECSS; however, during a short comparison, switching the Palomar loop between the Denon and my Kenwood TS-430-S in AM mode, there was nothing on the Kenwood that I could not copy on the Denon. Since the Denon TU-800 is a top-of-the-line FM tuner with a pretty good AM tuner, I would highly recommend to anyone who wants an excellent FM and good AM domestic DXing receiver. [Thanks for the review - mike] In other news, it was great to hear from old friend Neil Kazaross last week. Neil was a student at Union College (my alma mater, too) in Schenectady when I was a pretty active DX'er about 10 years ago. We even did a little DXing together with a 1500-foot Beverage near Amsterdam NY. Looking forward to seeing Neil in the future and seeing you all at the Topeka Convention in September.

James J. Nahirniak - 20907 Behrendt - Warren, MI 48091

What is the future of AM radio? I think it could be with teens, for several reasons: New young listeners don't already have long-term bad perceptions of the AM band. They're willing to try new things. Teens are the only group likely to buy all-new AM stereo and NRSC standard improved audio receivers. Today's hit music and urban stations don't mind having teens inflate their ratings numbers, but are really after listeners over 18 that most advertisers are interested in. The hit records played are intermixed with occasional oldies to appeal to older listeners, and newscasts, features, and contests are often geared toward adults. AM stations can steal away teens by super-serving them. Since advertisers are not as interested in teens, profits will not be as great, so costs must be kept down. Satellite delivered programming, like Z-Rock, is the ideal solution. Other teen formats are needed, including rap, new wave, and pure repetitive top hits. These formats should not hide the fact that they are originated from out of town; they should promote it. To a teen, Hollywood sounds more exciting than one's hometown. Also, music, TV, and movie stars could easily drop by to talk on the air. AM could become known as Adolescent Modulation, while FM broadcasts only classic rock and new age "Wave" formats for baby boomers and yuppies. (This is a refreshing new viewpoint, for a change from the usual "gloom and doom" -pls)

Wayne Hainen - 4131 S. Andes Way - Aurora, CO 80013

Well, here I is again! This years DX season is about to close for me

KZZP-FM/104.7 NATIONWIDE COMMUNICATIONS INC.

KZZP-AM/1310

P.O. Box 5159 • Mesa, AZ 85211-0500

as the last 6 weeks of income tax season is upon us. I'm also working 9 hrs a day at the Assessor's office. Jeff Tynan and I have been having fun with the contest; occasionally John Wilkins gets in on the act. I've increased my veries up to 1241 with the latest additions of KONY-1210 and CFAX-1070. The Colorado CPC effort will be submitting a report this spring. Thanks to all those who contributed stamps and lists. As of this writing, we may still have some more tests come up. I'm now on the SW Echo over a local BBS and will be throwing DX tips on there as they warrant. Anyone who wishes to drop me a message that way can. The Colorado weather has been the usual unpredictable stuff; last week the temps were in the sixties, today March 3 they're in the teens with snow! Our saying is "If you don't like the weather, wait 5 minutes" That's about it for now, except to say "Thanks" to the many fine contributors to the Verification Signers column! You have certainly kept my fingers busy this season! 73.

Philip Boersma - 15570 Cleveland St. - Spring Lake, MI 49456

Greetings. From the "AM: How low can you do" department, a few minor notes: Called local WSNX (AM/FM simulcast) to inquire about something, and mentioned I listen to their AM a lot. The receptionist on the phone paused a full 10 seconds, and then "oh, that's right, we do have an AM, don't we!" Incidentally, WSNX-1600 has been very casual about switching from day to night patterns (and vice-versa): have noted them non-directional LATE at night on some nights; on the other hand, they're also stayed on their nighttime directional pattern (weak at my house) well past sunrise, too. - Seems like a lot of AMS are getting sloppy about pattern/power changes. I've noted a number of stations around here on full daytime power late into the evening... and some daytimers (such as WMUS-1090, another AM all but forgotten by its big sister FM which it simulcasts) will sign off late in the evening and sign on late in the morning. I used to work the overnight shift at WKJR-1520, a religious station which as a extremely restrictive (9 tower) night Directional Antenna. One night the transmitter failed... we were off for 6 hours. If anyone noted this, they didn't call. On the other hand, a 10-minute outage on the FM, WQWQ-101.7, due to a power failure at the transmitter site, caused the phones to be continuously lit up with inquiring calls - at 3 am! Guess where all the listeners are. I'm beginning to think that anyone who owns a stand-alone AM with less than 50,000 watts of power day and night is fighting a losing battle. I hope I'm wrong, but it really does seem like no one out there cares about AM anymore - listeners or programmers. [We care! -mk]

Peter Kemp, KZ1Z - P.O. Box 73 - Bethel, CT 06801

Greetings all.. Bon Kwesell has moved his talkshow from WWRC to WNTR in our nation's capital.. Variety magazine recently ran an interview with John Stolz, General Manager of WCVG, the 500 watts, All Elvis Station in Cincinnati. The bottom line is the balance sheet, and the station has upped its revenues considerably. A one minute spot, which used to go for \$5 is currently \$15/\$17, so guess it's working... WJTB in Cleveland has been burned to the ground. Arson is expected, as this was the second fire at the facility in less than two weeks... WHDL- St. Bonaventure's play-by-play basketball announcer Don McLean has quit his job after 37 years. He did it on the air after being advised that his salary was being cut by 50%... In Atlanta, plans are in the works for WGST to move from the 920 spot on the dial over to 640 KHz, along with a jump in power to 50,000 watts... So much for now.

Headquarters Bytes

Randy Seaver has written a 'muse', of sorts, that we shall answer as each question comes along. This I feel will make it easier to read. And Randy, these answers are not directed at you personally, so don't get offensive, hi. You brought up some very good questions. Now onto the questions; HQ replies are indented.

I'd like to address the serious problems that face the BCB DX clubs IRCA and NRC. I've been a member of both clubs for a long time (that's one of the problems. naturally), and I think I have the right to bring these issues to the fore.

Has anybody else noticed that participation in the club columns has decreased significantly in the past few years?

Paul, myself and the rest of the editors have been trying to get the members to participate. Any and all suggestions in this area are welcomed.

That there are very few "young" members any more?

There are plenty of young members, just few reporting.

WOW
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Omaha, Nebraska 68114

That the print on the pages is getting real small?

The print hasn't changed size since we went to this style bulletin, many moons ago.

That about 50% of what is in one club bulletin is in the other club bulletin?

Again, that is the memberships fault. I see two reasons: 1) too lazy to type up new material, example Muses in one look exactly like Forums in the other; 2) the by-product of being a member of two clubs.

That some bulletins have little or no DX content in them? That the price keeps going up while the DX information goes down?

We have very little control over the price of ink, paper, print shop labor costs. DX info on the other hand is again membership participation.

That it's hard to find data you need without searching a whole bunch of bulletins?

Paul does a nice index each volume. All articles are available as NRC Reprints.

I think that there's too many bulletins per year and one too many BCB clubs. Of course, this is not a new idea - some of us old guys tried to do something about it 20 years ago, and we were ridiculed for trying to optimize the BCB DX clubs for the editors, readers, DXers, et al in a democratic format. It still makes sense - a democratic leadership, one set of foreign and domestic DX editors, one set of Musing editors, one list of station changes, verification signers, sports networks, etc.

Democratic systems do work in some things; in the NRC the system currently in place works just fine. One too many BCB clubs? Hmm. Competition is useful.

Why do we have 30-34 issues of the bulletins? To drive the editors and publishers stark raving mad? To hid the DX gems in pages of trivia? To me, the most efficient schedule would be twice a month in September through March, then monthly in April through August. 18 to 20 issues a year. I'll bet we could publish 30 to 40 page bulletins each issue at about the same cost as one club's present dues. It would benefit everyone without increasing the workload or the cost for anyone, and it would probably increase the club "spirit" by seeming to have more participation in club activities.

Couple of concerns. Timeliness of material; there is already a 7-10 day turn around in tips. It takes more time to paste up a larger bulletin. 30-40 page bulletin isn't economical; you'd be wasting postage, 1-ounce is 24 pages, 2-ounce is a 48 pager. 48 pager every two weeks is one hefty task. The current 24 pager is enough work.

Before everyone gets bogged down in club name pride, who should be leader, publisher, editor, et al, let's start a real dialogue on the subject in both clubs. This has to occur at the member level and at the leader/editor level if we're ever going to improve the clubs and member services.

Thanks Randy.

Facts About NRC's DX Audio Service

The DX Audio Service, now in its third year of operation, provides the ONLY monthly broadcast news cassette service to the DX community.

The DX Audio Service, available to anyone anywhere, is designed to inform the radio listener in a way that is pleasing and informative. Many of the announcers on the service are professional broadcasters giving their free time to give the listener the finest service available.

DXAS was started to provide broadcast information, both AM and FM to the blind DX listener. It has evolved into a service for all types of listeners with material useful to all types of listeners. Many of our subscribers listen to the tape to and from their place of work while driving down the road.

One-year subscription, subscriber keeps the cassette each month: \$25

One-year subscription, subscriber returns the cassette each month by the 18th of the month for reduplication: \$12 Sample copy, back Issues of DXAS: \$3

Cassettes are mailed by First Class mail, on or about the 20th of the month. Information, subscriptions, renewals, sample copies: write to NRC DX Audio Service - P. O. Box 24 - Cambridge, WI 53523-0024. For back issues: NRC Publications Center.

On Radio

Broadcasting,
-via Jerry Starr

Following the formats

Data from soon-to-be-published BROADCASTING YEARBOOK show AM stations dropping music; country and AC still top two format choices

News and talk formats continued to make gains in 1988 as more AM stations switched from popular music to alternative programming, according to new information culled from the BROADCASTING CABLE YEARBOOK 1989 database. A rise in niche programming on the AM dial coincided with a drop in such established music formats as country and adult contemporary in the band, according to the just-released survey of America's 11,000-plus radio stations.

"Most music-based formats are starting to wear thin on AM," said programming consultant Ed Shane of Shane Media Services, Houston, echoing a commonly held belief of consultants. But older styles of music continue to perform well on AM, he said, particularly since that is where the music was originally heard. He said younger audiences, on the other hand, are not prone to tune to an AM station "unless there's a tornado or something and they want to hear the news."

Reflecting Shane's comments, the survey shows that the AM station base increased for music formats targeting older audiences. The oldest category, which increased its station base by 12.3%, added 50

AM stations since 1988 (particularly impressive since last year's survey combined oldies with classic rock). Among other music formats, easy listening added four AM stations to its roster.

News and talk programming, often reported by the same station as a dual format, were big winners in the survey, with respective increases of 51 and 99 stations overall. Both rises were primarily on the AM band, although 19 FM stations did report picking up a news format and six took on a talk format.

The rise in news programming can be attributed to "news anxiety," said consultant John Parikh, chief executive officer of Toronto-based Joint Communications Corp. The situation could also be described, he

said, as "that panicky sense that if you don't get lots of news, you're going to be left behind." As the baby boom generation ages, he added, its members are joining the ranks of adults seeking more news. "Shane added that all-news FM stations are a "logical extension" of the increasingly full-service nature of many FM stations today. Since all-news stations tend to be costly to operate, he said a rise in all-news FM stations is expected primarily in larger markets.

On the talk side, Parikh attributed the increase in stations carrying the format to an increase in the number of people living

alone. He cited census data indicating that 24% of Americans now live alone, based in part on the country's high divorce rate. "There's a real change in the make-up of who's listening to radio now," he said.

"With so many new FM stations on the air all dedicated to music," added Atlanta-based consultant Kent Burkhart "there will be a movement toward more talk on FM." Since there are few format holes left on the FM dial, he said, it is likely that formats such as news and talk will grow in appeal because they can offer market exclusivity. A specialized format such as oldies with a three or four ratings share is a "very respectable" and "very saleable" commodity in these days of declining ratings shares, said Burkhart.

Several niche formats were on the rise on both the AM and FM dials in the new survey. Among those with noticeable increases were Spanish (adding 22 AM and four FM stations); jazz (adding four AM and 18 FM stations); big band (adding 14 AM and seven FM stations); religious (adding 41 AM and 43 FM stations); and new age (adding six AM and 17 FM stations). Niche formats with slight declines on the FM side but significant gains on the AM side included gospel (adding 27 AM stations) and specialty (adding 21 AM stations).

Those stations in the "specialty" category

The ups and downs of radio formats

Format	Total Stations			AM's			FM's			Commercial			Noncommercial		
	1988	1989	% ch	1988	1989	% ch	1988	1989	% ch	1988	1989	% ch	1988	1989	% ch
Country	2443	2421	-0.9	1524	1483	-2.6	919	938	+2.1	2431	2410	-0.9	12	11	-9.1
Adult contemp.	2337	2325	-0.5	1094	1043	-4.9	1243	1262	+1.5	2,296	2,279	-0.7	41	46	+12.2
Religious/Gospel	948	1054	+11.2	576	643	+11.6	362	411	+13.5	728	809	+11.1	220	245	+11.4
CHR/Top-40	950	984	+3.6	200	188	-6.4	750	796	+6.1	859	891	+3.7	91	93	+2.2
MOR	802	729	-10.0	612	560	-9.3	190	169	-12.4	779	706	-10.3	23	23	0
Oldies/Classic rock	537	695	+29.4	401	473	+18.0	136	222	+63.2	531	683	+28.6	6	12	+100.0
Diversified	596	614	+3.0	155	153	-1.3	441	461	+4.5	189	192	+1.6	407	422	+3.7
AOR	478	486	+1.7	49	36	-14.3	429	430	+0.2	323	333	+3.1	155	153	-1.3
Talk	309	408	+32.0	259	352	+35.9	50	56	+12.0	267	360	+34.8	42	48	+14.3
Beautiful music	434	403	-7.7	87	91	+4.6	347	312	-11.2	405	372	-8.9	29	31	+6.9
News	333	364	+15.3	246	278	+13.0	87	106	+21.8	243	278	+14.4	90	106	+17.8
Classical	344	355	+3.2	21	21	0	323	334	+3.4	55	59	+7.3	289	296	+2.4
Jazz	274	296	+8.0	23	27	+17.4	251	269	+7.2	53	66	+24.5	221	230	+4.1
Big band/Nostalgia	238	259	+8.8	200	216	+8.9	35	43	+22.9	230	248	+7.8	8	11	+37.5
Educational	247	259	+4.9	15	13	-15.4	232	246	+6.0	5	7	+40.0	242	252	+4.1
Spanish	211	237	+12.3	154	176	+14.3	57	61	+7.0	196	220	+12.2	15	17	+13.3
Urban contemp.	191	193	+1.0	87	96	+1.2	104	107	+2.9	171	176	+2.9	20	17	-17.6
Black	202	186	-8.6	134	136	+6.3	68	60	-13.3	178	163	-9.2	24	23	-4.3
Agricultural	176	157	-12.1	121	115	-5.2	53	42	-26.2	173	154	-12.3	3	3	0
Progressive	126	127	+0.8	4	4	0	122	123	+0.8	16	14	-14.3	110	113	+2.7

ry, which lost four FM stations last year, represent a potpourri of formats including all-sports, polka and multi-ethnic.

While country and adult contemporary suffered declines on the AM side, the nation's two most widely used radio formats did make significant gains in FM programming. Country, despite losing 41 AM stations in 1988, picked up 19 FM stations. Adult contemporary lost 51 AM stations but picked up 39 FM stations. Contemporary hit radio fared better overall as a music format than the other two, picking up 46 FM stations while losing 12 AM's.

Considering that the YEARBOOK database increased by 349 stations in the current survey, it appears that several new stations are looking to formats other than the tradi-

tional ones for their basic programming. A format, as defined by the YEARBOOK, is programming used by a station 20 hours or more per week.

The formats hit hardest in the current survey were agricultural (dropped by six AM and 11 FM stations) and MOR (dropped by 52 AM and 21 FM stations). Burkhart noted that while many MOR stations are converting to talk formats, those that have been in the format for a long time—such as KDKA/AM Pittsburgh—are expected to remain stable.

The accompanying chart lists the nation's top 20 formats as determined by the survey. The complete list of formats will appear in the soon-to-be-published BROADCASTING CABLE YEARBOOK 1989. □



TIS Updates

Chris Cuomo
670 Third Avenue
Verona, PA 15147-1340

Additions to information about Travelers' Information Stations

Being the final TIS Update, I would like to thank everyone who worked with the project. I am very sorry that this column is late, but I am trying to get information from North Carolina DOT about their TIS Edition. They apparently called while I was not home and I have not heard from them since. I am looking for the frequencies of the AM relays and the call sign of the NOAA station relayed. See the list in V55 1-30 for the locations of these stations. If anyone has any information on these stations, please, send it to me. Thank You. From now on, report on TIS DX to DDxD and/or Musings.

CONTRIBUTED BY OR HEARD BY:

(MF-CA) Martin Holtz - Mission Viejo, CA
(DS-WI) Doug Smith - Madison, WI
(AB-TX) Artie Hixley - San Antonio, TX
(WRH-NY) William R. Hale - Johnson City, NY
(HH-MD) Hank Holbrook - Chevy Chase, MD
(KG-PA) Kermit Geary - Mainport, PA

ADDITIONS:

1500 Calikens, - Bishop, CA - Signs along highway between Bishop and Mammoth instruct to tune to 300 for road information. Station was not heard though. Perhaps it's only run during the ski season. (The sign was seen in August.) (MF-CA)

1530 Elmore, NY - format: qp (WRH-NY)

1600 Pershara, PA (KG-PA)

1610 WHP-FM New Hampshire dot - US-3 Franconia Notch, NH - format: r (KG-PA)

1610 WHP-FM New Hampshire dot - US-3 Littleton, NH - format: r (same call sign as above station.) (KG-PA)

1610 KDD-FM Allouez Portage Railroad National Historical Site - Wreson, WI - format: q - power: 10 watts (KG-PA) and (HH-MD)

1610 WXX-FM Lower Colorado River Authority - Austin, TX area - 6 or 7 relays of WXL27-Austin NOAA weather (AB-TX) (Artie, if you have the locations of any of these relays or the address of Lower Colo. River Auth, it would be greatly appreciated.) (C)

1610 WNEP-FM Milwaukee County Stadium - Milwaukee, WI - format: rpg (DS-WI) (Here is the information you are looking for, G. Bailey DeLuore.) (C)

DRIVE-INS:

1540 Rocky & Drive-In Theatre - Berlinville, PA (KG-PA)

OTHERNESS:

I have recently obtained a list of NOAA stations with call signs from WFDPA member, Matt Sittel. Below are the call signs of NOAA stations with TIS relays. (C)

Iowa dot:	AM 930	FM 106.3
1560 WXM49	r.a. #13, I-80 E, Davenport	
1560 WXM49	r.a. #14, I-80 W, Davenport	
1560 WXL62	r.a. #16, I-29 N, Sergeant Bluff	
1560 WXL57	r.a. #18, I-35 N, Ankeny	
1560 WXL57	r.a. #21, I-80 E, Altoona	
1560 KIH61	r.a. #29, I-80 W, Underwood	
1560 KIH61	r.a. #30, I-80 E, Underwood	
1560 WXL57	r.a. #34, I-35 N, Lamoni	
1560 KIH61	r.a. #35, I-29 S, Pacific Junction	
1560 KIH61	r.a. #36, I-29 N, Pacific Junction	
1560 WXL94	r.a. #38, I-35 N, Clear Lake	



P.O. Box 1030 • Granby, Colorado 80446

Relayed:
WXM49 Marion, IL
WXL57 Des Moines, IA
WXL62 Sioux City, IA
WXL94 Waterloo, IA

1570 WXL62 P.O. #15, 1-100 S. Sergeant Bluff KJH61 Omaha, NE
 1570 WXL57 P.O. #17, 1-35 S. Ankeny
 1570 WXL57 P.O. #22, 1-80 W. Waukegan
 1570 WXL54 P.O. #24, 1-15 S. Clear Lake

530 KWOC9 Chicago, IL (relays Chicago NQAA)
 1300 WAK42 Buffalo River, WI (relays Fargo, ND NQAA)
 1300 WXJ71 P.O. 148 P.O., I-55, Bloomington, IL (relays Peoria NQAA)
 1200 WRL51 I-75/US-6 - Bowling Green, OH (relays Toledo NQAA)
 1610 WXN37 Cheverne, NY - NQAA - (This is correct call, not WXN37)

OTHER-OTHERNESS:

Tunnel Radio - Boston, MA - From USA Today Jan. 9 -
 "Gambling ads were banned from Tunnel Radio, which
 broadcasts to drivers in Dewey Square Tunnel. The ban was
 prompted by broadcast of gambling tips two weeks before New
 Year's college bowl games." This definitely sounds like a
 TIS station. Would anyone happen to have the call sign and
 frequency of it? (CC-PA)

Well, that about does it for the NRC's list and updates. If you
 have any information on any TIS station, send it to me. Write about it in
 DXD or Musings, or send it to Wilhelm Herbst, Postfach 45 05 96, D-5000
 Köln 41, West Germany. Be watching for the second edition of the TIS/H&K
 Guide.

My next project is to gather information on North American AFHQ's
 stations for a list to be published in DX News. I am looking for
 frequency (AM, FM, or SW), location, power, schedule, address, and
 format. If you have any information, please send it here. Until then,
 73s and good DX!

Chris Cuomo

WNYG
 RADIO 1440 A.M.

March 2, 1989

ROUTE 109 BABYLON, NEW YORK 11704 TEL. (516) 661-4000

Wayne Heinen
 4131 S. Andes Way
 Aurora, Colorado 80013

Dear Wayne,

I am in receipt of your letter of February 17, 1989. Although we cannot
 change our programming at night, we will, from 2:30 A.M. to 3:00 A.M. -
 Eastern Standard Time, on Monday, April 17, 1989, identify ourselves
 before and after every record we play.

Our music is of the golden age - fifties and sixties.

I hope this helps you out. Please let us know the results which we would
 find very interesting. Any members who care to communicate with us with
 letters of verification will receive a letter of confirmation and a bumper
 sticker. Since we are only 38 watts at night - good hunting. It will be
 a significant accomplishment if you receive us. Since I use to be an
 active radio amateur, I know that 40 watts can reach across the United States.

Once again, good hunting!

Sincerely,

J. Blake

John Blake
 Director of Engineering

Frequency Deviations

Raymond F. Cole
 Rt. 3, Box 304
 Cape Girardeau, MO 63701-9543

Observations of measured frequency deviations and associated activities

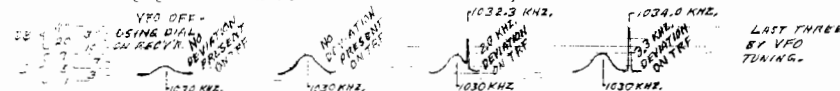
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My important news for those with the hi-tech questions for which I had
 sufficient or no answers. One solid answer has been found and the impli-
 cations are great. It verifies what some of the questions plainly implied.

On Dec. 16th a real gift from Heaven fell into my possession. For \$20
 (all I could afford at the moment) I bought a super-mint condition, 12 tube,
 National NC175 amateur receiver which had been on a storage room shelf for
 decades. Combined with my borrowed VFO and frequency counter, I can reliably
 tune closer than three-tenths of a Khz, and it has an excellent S-meter. The
 radio is so well shielded that nothing can be heard without an antenna.

I have installed a switch on my bench next to the radio, all leads being
 connected coax, to switch to either antenna or to VFO and counter. There is
 enough inductance capacity in the switch so that this high gain receiver can
 still get some possible signal every 10 Khz across the dial, from the antenna,
 when the switch is on the VFO.

My procedure is to tune a station exactly using the no. 1 position of the
 selectivity control ("off" and 5 positions). Then I switch from antenna to VFO
 and tune the VFO across the frequency for that dial setting. In such case as
 no deviation is present, one simple curve of S-meter readings is seen, peaking
 at that station's assigned frequency. But when a deviation is present (also
 verified by my Radio Shack MF 12-655), two peaks are very evident. Compare
 this following graph with P. 21 of the D-X News, 12-12-88.



The second peak (I call it a spike) averages one and one-half to two and
 one-half times the signal strength of the first peak, and is at most half a
 Khz wide, and usually only half that. It is very difficult to tune with the
 VFO because of its sharpness, and then more so (at present, anyway) because
 it constantly fluctuates slightly both in frequency and signal strength.

I assume that the VFO is "enhancing" incoming signals when it is tuned to
 their frequencies and thereby also identifying their frequencies. I would
 like a more "hi-tech" brain to evaluate this assumption and let me know.

My "RF" and "GE", such as I love and respect their proven abilities, do not
 have the super-selectivity necessary to find these "spikes", and evidently
 simply "average" the two signals at a point in between. For two years I have
 said that better and more equipment and technical knowledge (and more of my
 time) is badly needed here.

I am still monitoring 2 Khz. with poor results, except for two evenings,
 separated by several days, when strange and strong background signal strength
 variations were noted in waves for several hours. But since I must work to
 augment social security, my time to monitor this is limited.

I would like to get the mfg. date, specs, wiring diagram, etc., on this
 National NC 175. Anyone have any suggestions?

If you have an amateur grade receiver with a SFO and a good bandwidth
 dial, you may, if you are located near a quake fault, be able to find the
 "spike" signals responsible for apparent frequency deviations. There are
 minor quake faults scattered over most of the U.S.A. After discovering
 them with an external VFO and frequency counter, and then knowing what to
 look for, they are reasonably evident directly on my National NC175 without
 external equipment. If you also have digital readout (the NC175 does not)
 you may also be able to read the amount of deviation.

On this New Madrid Fault, deviations are greater and more frequent above
 1200 Khz, and they are almost always on the high frequency side of a
 station's assigned frequency. Below about 900 Khz they may occur either
 above or below assigned frequencies, and usually most below 900 Khz will all

be off in the same direction on your dial. Keep in mind that I have no idea what will occur in other fault areas.

First, turn your receiver's selectivity control one or two notches above the basic. Some experimentation is in order on different brands of radios. Basic selectivity, or "broad", does not locate the spikes on my radio - and too much cuts down on the spikes' strengths. Turn on your BFO (mine is marked as "WFO"). With your bandspread dial set at a point where you can use it in both directions, then with your main dial exactly tune a station with a medium strength and steady signal (best not to start out with a strong local).

Set your RF Gain to get an S-7 reading. Now, using your bandspread, very slowly tune in one direction until you lose the audible sound from the station entirely. If a deviation is present, as your meter drops slowly from S-7 to, say S-5, you will reach a very sharp point where it jumps suddenly to S-9 or so, and the audible sound will about blank out. Continued very slight tuning will suddenly drop the meter to S-5 again and the audible sound will return until you go so far as to lose it.

But if you find nothing, return your bandspread dial to the center of the station's signal and try the other side of the signal curve. Try various frequencies spaced out across the broadcast band where you can get reasonable signals. I daily (or oftener) monitor 13 where I have found I can get reliable signals 24 hours a day.

With digital readout, accurate readings of these spikes, when found, may be possible. Since I do not have it I cannot say for sure - I use an external WFO and counter, with my NCL73. But I do know that a spike is harder to find without an oscillator of some sort (I think the oscillator enhances the spike) and a spike will not be found if a deviation is not present.

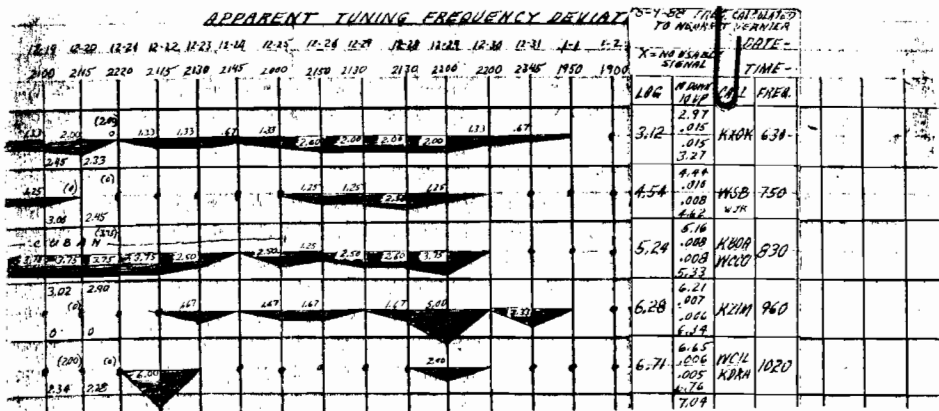
However, once found, you can usually turn off the BFO and still detect the spike when you know exactly where to look for it.

In reference to my last three letters, after very careful checking with my existing receivers - since nothing else similar or better is available to me - I can find no valid reason to suspect any possible contributory cause from the oscillator circuit or BFO of my National NC 173, as suggested by another person. (I take all suggestions very seriously, as they may be very helpful - and often have been).

If a problem exists due to the receiver - and that still could be - I feel that it is in the selectivity control circuit, since I now have a SAMS on the receiver thanks to a local radio engineer. This vintage does not have ceramic filters.

I have no way to rule out such a possible problem. In addition, apparent deviations which increased beginning 12-19, have now again dropped to near zero, making it impossible to check operation on what isn't there. See enclosed log sheet copy.

As previously written to several persons, I stand ready and willing to welcome and fully assist anyone who wants to come here (preferably with their own equipment) and check out any or all of my findings. This should naturally be at a time when apparent deviations are occurring.



Bandscans

Chris Cuomo
670 Third Avenue
Verona, PA 15147-1349

Audible stations from a DXer's location at given times.

Welcome to the "Bandscans" column. I hope to inform you that John Halicky did give the column for the past few months. I am sorry it took some time to read and I am a member of the club. I was forwarded to me by John, and I decided to do a few more columns. I hope they finished quickly. I will be using a manual typewriter. I would be easier to read when things return to normal.

Just like before, always list the location, date, time, and the call letters of the station. Put locals in circles within 100 miles of the station. List all 115's, 116's, 117's, 118's, and 119's. You must include the city of license with each listing. Do not include the call letters of the station to use. Whether you want to use a code or not, you must list the call letters or even shorthand call letters code as perfectly as possible. Include a brief description of your code so we can tell if there are any mistakes. A call sign and time or two indicates a local station. If you have a request to you wherever you are, and you are not a member of the club, you can request to be published or a bit of information. We can publish some younger than 21 years old, but only if you are a member. We can put out this will be set up to make sure that everything is correct.

RADIO FREE WARREN REPORTING...

John H. Kohn III
RF
1010 heard, 1020 heard, 1030 heard, 1040 heard, 1050 heard, 1060 heard, 1070 heard, 1080 heard, 1090 heard, 1100 heard, 1110 heard, 1120 heard, 1130 heard, 1140 heard, 1150 heard, 1160 heard, 1170 heard, 1180 heard, 1190 heard, 1200 heard, 1210 heard, 1220 heard, 1230 heard, 1240 heard, 1250 heard, 1260 heard, 1270 heard, 1280 heard, 1290 heard, 1300 heard, 1310 heard, 1320 heard, 1330 heard, 1340 heard, 1350 heard, 1360 heard, 1370 heard, 1380 heard, 1390 heard, 1400 heard, 1410 heard, 1420 heard, 1430 heard, 1440 heard, 1450 heard, 1460 heard, 1470 heard, 1480 heard, 1490 heard, 1500 heard, 1510 heard, 1520 heard, 1530 heard, 1540 heard, 1550 heard, 1560 heard, 1570 heard, 1580 heard, 1590 heard, 1600 heard, 1610 heard, 1620 heard, 1630 heard, 1640 heard, 1650 heard, 1660 heard, 1670 heard, 1680 heard, 1690 heard, 1700 heard, 1710 heard, 1720 heard, 1730 heard, 1740 heard, 1750 heard, 1760 heard, 1770 heard, 1780 heard, 1790 heard, 1800 heard, 1810 heard, 1820 heard, 1830 heard, 1840 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1040	WSKE PA 1	WSKE PA 1
1050	WNTR MD 1	WNTR MD 1
1060	KYW PA 1	KYW PA 1
1070	WKOK PA 1	WKOK PA 1
1090	WBAL MD 1	WBAL MD 1
1120	WUST DC 12	WUST DC 12
1130	WEEO PA 1	WEEO PA 4
1140		WRVA VA 1
1150	WNET MD 1T	WRVA VA 1
1200	WAGE VA 1	WAGE VA 1
1210	WCAU PA 1	WAGE VA 24T
1220	WFAX MD 2	WAGE VA 4
1230	WKBO PA 12	WFAX VA 1
1240	WJEJ MD 2	WFVA VA 5
1250	WOBG PA 1	WAMM VA 1
1270	WCBC MD 1T	WJEJ MA 2
1280	WHVR PA 1	WPRZ VA 1
1300	WHVR PA 1	WPRZ VA 124
1310		?
1320	WCHU ?? 1T	WDCT VA 1
1330		WBCT VA 4
1340	WEPM WV 1	WRAA VA 1
1350	WEGA?? 1	WJMA VA 12
1360	*	WFLS VA 15
1380	WAYZ PA 1	WBGV VA 1
1390	WMZQ VA 2	WHRV VA 1T
1400		WLRV VA 1
1410	KQV PA 3	WINC VA 1
1420	WHAG MD 1	WINC VA 12
1430	*	WKCW VA 3
1440		WKCW VA 2
1450	*	WKCW VA 1
1460	*WPRV VA 12	WFTR VA 1
1470	WTTR MD 1	WFTR VA 1
1480	WSHP PA 13	WPRW VA 1
1490	WARK MD 1	WBTX VA 1
1500	WTOP DC 5	WCVB VA 1
1510	WHTI PA 1	WCVB VA 12
1520	WTRI MD 1	WTOP DC 4
1530	WVFC PA 1	WTOP DC 4
1540	*	WTRI MD 1
1550	WXVA WV 1	WXVA WV 1
1570	WPGC DC 1	WXVA WV 1
1590	WCBG PA 1	WXVA WV 5
1600	WAYC PA 1	*
1610	TIS PA 1	WPGC DC 1
		WPGC DC 125
		WPGC DC 4
		WCBG PA 1

BACK TO THE BEACH

Chris Cuomo
Salisbury Beach, MA
Grundig Music Box
August 1-2, 1988 1-4 pm
5 strong - 1 weak
(All stations licensed to
Massachusetts unless otherwise
noted.)



540		
550	WICE Pawtucket, RI	1
560	WGAN Portland, ME	2
570		
580	WTAG Worcester	1
590	WEEI BOSTON	5
600		
610	WGIR Manchester, NH	2
620	WZON Bangor, ME	2
630	WPRO Providence, RI	3
640	WNNZ Westfield	1
650		
660	WNBC New York, NY	1
670	WIEZ Lewistown, PA (?)	1
680	WRKO BOSTON	4
690	CBF Montreal, PQ	1
700	CHSJ St. John, NB	2
710	WDR New York, NY	1

720	CHTN Charlottetown, PI	2
730	WJTO Bath, ME	3
740	WLVG CAMBRIDGE	2
750	WHEB PORTSMOUTH, NH	4
760		
770	WABC New York, NY	1
780		
790	WNAZ Providence, RI	2
800	WCCM LAWRENCE	3/
	CJAD Montreal, PQ	1
810	WBY Schenectady, NY	1
820		
830		
840		
850	WHDH BOSTON	4
860		
870		
880	WCBS New York, NY	1
890		
900	WCLZ Brunswick, ME	3
910	WABI Bangor, ME	2
920	WHJJ Providence, RI	2
930	WKOS ROCHESTER, NH	4
940	WGFP Webster	1
950	WROL BOSTON	4
960		
970	WYNZ Portland, ME	3
980	WCAP LOWELL	3
990	WEAN Providence, RI	1
1000	WCMX Leominster	1

1010	WXXK Newport, NH	1
1020		
1030	WBZ BOSTON	5
1040		
1050		
1060	WHIV NATICK	4
1070		
1080		
1090	WILD BOSTON	3
1100	WNWE Cleveland, OH	1
1110	WNNW Salem, NH	2
1120		
1130	WNEW New York, NY	1
1140		
1150	WMEX BOSTON	3
1160	WASK Skowhegan, ME	1
1170	WKPE Orleans	2
1180	WHAM Rochester, NY	1
1190		
1200	WFOZ Framingham	4
1210		
1220	WSME Sanford, ME	2
1230	WESX SALEM	4
1240	WDCB West Yarmouth	2
1250	WBIR MANCHESTER, NH	1
1260	WEZE BOSTON	4
1270	WTSN DOVER, NH	4
1280	WEIM Fitchburg	1
1290	WENE Keene, NH	1
1300	WJDA QUINCY	4

Cesar Obispo
Jose Castillejos

Cajamarca, Peru
JVC-1435 Incorporated antenna
October 14-18, 1988
5 strong - 1 weak
(All stations licensed to Peru
unless otherwise noted.
[Ecu. = Ecuador])

540	Inca-540, Lima	1
550	R. Reloi, Quito, Ecu.	2
560	Crc, Guayaquil, Ecu.	3
570		
580	R. Uno, Guayaquil, Ecu.	3
590		
600	R. Cora, Lima	3
610	Emisora Gran Colombia, Ecu	3
620		
630		
640		
650		
660	R. Carrousel, Guayaquil, Ecu	3
670		
680	R. Atalaya, Guayaquil, Ecu	3
690	HCJB, Quito, Ecu.	3
700	R. Sucre, Ecu.	3
710		
720		
730	R.P.P., Lima	4
740	R. Melodia, Quito, Ecu.	3
750	R. Caravana, Guayaquil, Ecu	3
760		
770	R. La Pensa, Guayaquil, Ecu	3
780	R. Calima, Colombia (?)	2
790		
800		
810		
820	Caracol, Cali, Colombia	3
830	R. Libertad, Lima	2
830	R. Huancavilca, Guayaquil, Ecu	3
840		
850	R. Atahualpa, Cajamarca	5
860	R. Vision, Quito, Ecu.	3

1310	WLOB Portland, ME	3
1320	WDER Derry, NH	2
1330	WDLW Waltham	3
1340	WDME DOVER-FOXBORO, ME	1
1350		
1360	WLYN Lynn	1
1370	WFEA MANCHESTER, NH	4
1380	WQMI FORTSMOUTH, NH	2
1390	WPLM PLYMOUTH	3
1400	WIDE Biddertord, ME	2
1410	WATD Brockton	2
1420	WASR Wolfeboro, NH	2
1430	WXXS Everett	3
1440	WAGT Westbrook, ME	1
1450	WNC6 NEWBURYPORT	5
1460	WDEI Brockton	2
1470	WSDO Marlborough	1
1480	WSAK Fall River	3
1490	WHAU HAVERHILL	4
1500		
1510	WSSH BOSTON	5
1520		
1530	WTNE Auburn, ME	1
1540	WHPX EXETER, NH	5
1550	WNIN Newton	2
1560		
1570	WNSH BEVERLY	4
1580		
1590	WBMN Nashua, NH	2
1600	WUNR BROOKLINE	4

KVSA
The Voice of Southeast Arkansas
P. O. Box 110
McGEHEE, ARKANSAS 71654

1000	R. Cristal, Guayaquil, Ecu	5
880	R. Union, Lima	2
890	R. Progreso, Piura	4
900	R. El Sol, Lima	4
910		
920	R. Colon, Quito, Ecu.	3
930		
940	R. Eco, Cali, Colombia	3
950		
960	R. Panamericana, Lima	5
970		
985	R. Nueva Estacion X, Lima	2
990	R. Frecuencia Mil, Guayaquil	3
1010	R. Variedades, Ambato, Ecu.	1
1010	R. America, Lima	2
1030		
1040		
1050		
1060		
1070		
1080		
1090		
1100		
1110		
1120		
1130	R.P.P., Cajamarca	5
1140	R. Bahia, Chimbote	2
1150		
1160		
1170		
1180	Nueva Emisora Central, Quito	3
1190	R. Nueva Imagen, Cajamarca	5
1200	R. Noticias, Cajamarca	5
1210	R. Reloi, Naiva, Colombia	3
1220		
1230	R. Galactica, Guayaquil, Ecu	3
1240	R. Oro, Huacho	4
1250	R. Miraflores, Lima	2
1260		
1270		
1280	R. Moderna, Cajamarca	5
1290		
1300	R. Star, Lima	5
1310	R. Nacional Espejo, Quito, Ecu	3

- 1320 R. Apolo, Turnero, Venezuela 3
- 1320 R. Cronica, Lima 4
- 1330 R. Universal, Caramanna 4
- 1335 R. Sideral, Orito, Ecu. 5
- 1360 R. Excelsior, Lima 2
- 1370
- 1380 R. Atahualpa, Caramanna
- 1390
- 1400 R. Z 1, Guayaquil, Ecu. 3
- 1410
- 1420
- 1430
- 1440
- 1450
- 1460



25561 Highway 58 P.O. Box 1000 Barrow, California 92311

- Roger Winsor
Hubart, IN
BE Superadio II
November 13, 1988 noon
- 540 WYLO Jackson, WI
 - 550 WUSA St. Louis, MO
 - 560 WIND CHICAGO, IL
 - 570
 - 580 WILL Urbana, IL
 - 590 WKZO Kalamazoo, MI
 - 600 WMT Cedar Rapids, IA
 - 610 WTVN Columbus, OH
 - 620 WTMJ Milwaukee, WI
 - 630 KXOK St. Louis
 - CFCD Chatham, ON
 - 640 WOI Ames, IA
 - 650 WSM Nashville, TN
 - 660
 - 670 WMAO CHICAGO, IL
 - 680
 - 690 WLKK Oshkosh, WI
 - 700 WLW Cincinnati, OH
 - 710
 - 720 WGN CHICAGO, IL
 - 730
 - 740
 - 750 WNDZ Portage
 - 760 WJR Detroit, MI
 - 770
 - 780 WBBM CHICAGO, IL
 - 790
 - 800 LKLV Windsor, ON
 - 810
 - 820 WXEZ CHICAGO, IL
 - 830
 - 840 WHAS Lexington, KY
 - 850 WAIT Crystal Lake, IL
 - KFUD Clayton, MO
 - 860 WDOM Marion
 - WNOV Milwaukee, WI
 - 870 WKAR East Lansing, MI
 - 880
 - 890 WLS CHICAGO, IL
 - 900
 - 910 WLLJ Cassopolis, MI
 - 920 WBAA West Lafayette
 - WOKY Milwaukee, WI
 - 930 WAUR Sandwich, IL
 - WBCK Battle Creek, IL
 - 940 WCSY South Haven, MI
 - 950 WJPC CHICAGO, IL
 - 960 WSBT South Bend
 - 970 WHA Madison, WI
 - WMAY Springfield, IL
 - 980 WITY Danville, IL
 - WQXC Otsego, MI
 - 990
 - 1000 WLUP CHICAGO, IL
 - 1010
 - 1020 WPED Peoria, IL

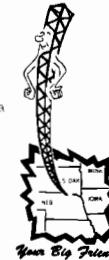


PO Box 15 Lebanon, PA 17042

- 1470 R. Huancayo, Huancayo 4
- 1480
- 1490
- 1500 R. Uno, Santa Rosa, Ecu. 4
- 1510 R. Tarma, Tarma 2
- 1520
- 1530 R. 15-50, Huancayo 2
- 1540
- 1550
- 1560 R. Nuevo Continente, Cajamarca
- 1570 R. Sensacion, Cayambe, Ecu. 3
- 1580
- 1590
- 1600
- 1610 Caribbean Beacon, Anguilla

- 1030 WNVK Vernon Hills, IL
- 1040 WHU Dec Moines, IA
- 1050 WLIP Kenosha, WI
- WTLA Plymouth
- WDZ Decatur, IL
- 1060 WHFB Benton Harbor, MI
- 1070 WIBC Indianapolis
- 1080 WNIW Valparaiso
- 1090 WPHS Muskegon, MI
- WGLC Mendota, IL
- 1100
- 1110 WMBI CHICAGO, IL
- 1120 KMLX St. Louis, MO
- 1130 WISN Milwaukee, WI
- WCTX Detroit, MI
- 1140 WVEL Peoria, IL
- WKWM Kentwood, MI
- 1150
- 1160 WJJD CHICAGO, IL
- 1170
- 1180 WLDS Jacksonville, IL
- 1190 WQMD Ft. Wayne
- 1200
- 1210
- 1220 WLPO LaSalle, IL
- WKKS Waukegan, IL
- 1230 WJDB Hammond
- WSAL Logansport
- 1240 WCRW/WEDC/WSBC CHICAGO, IL
- 1250 WEMP Milwaukee, WI
- WIZZ Streator, IL
- 1260 WNDL Indianapolis
- WVJQ Holland, MI
- 1270 WGLA GARY
- 1280 WMRD Aurora, IL
- 1290 WNIL Niles, MI
- WIRL Peoria, IL
- 1300 WTAQ LaGrange, IL
- WBOB Grand Rapids, MI
- 1310 WIBA Madison, WI
- 1320 WKAN Kankakee, IL
- 1330 WSSY EVANSTON, IL
- 1340 WJDL Joliet, IL
- WTRC Elkhart
- 1350 WIOU Kokomo
- 1360 WQFA Wateka, IL
- 1370 WLTH GARY
- 1380
- 1390 WBCI CHICAGO, IL
- 1400 WBSJM St. Joseph, MI
- WXOL CICERO, IL
- 1410 WRMN ELGIN, IL
- WCFY Lafayette
- 1420 WIMS MICHIGAN CITY, IN
- 1430 WEEF Highland Park, IL
- 1440 WRDK Rockford, IL
- 1450 WCEV/WXOL CICERO, IL
- 1460 WKAM Goshen
- WRZN Racine, WI
- 1470 WMPF CHICAGO HEIGHTS, IL
- WMBP Peoria, IL

- 1480 WYLO Jackson, WI
- 1490 XEWA San Luis Potosi, Mex.
- 1500 KUSA St. Louis, IL
- WKRC Cincinnati, OH
- 560 WIND CHICAGO, IL
- 570 WKYX Paducah, KY
- MAAY Gadsden, AL
- 580 WILL Urbana, IL
- WCHS Charleston, WV
- WFLU Tupelo, MS
- WILM Traverse City, MI
- 590 WDW Omaha, NE
- CMCA La Julia, Cuba
- 600 WMI Cedar Rapids, IA
- WREC Memphis, TN
- CRMA Urbano Noris, Cuba
- 610 WMOF Kansas City, MO
- WZKZ Birmingham, AL
- K. Rebelde, Cuba
- WIP Philadelphia, Pa
- 620 WTMJ Milwaukee, WI
- CMDA Gdon, Cuba
- 630 KXOK St. Louis, MO
- WLEF Lexington, KY
- CI CD, Chatham, ON
- 640 WOI Ames, IA
- CMPE Guanabacoa, Cuba
- WWS Norman, OH
- WCRV Collierville, TN
- 650 WSM Nashville, TN
- 660 WMAN New York, NY
- 670 WMAO CHICAGO, IL
- CMBA Arroya Arenas, Cuba
- 680 CFRK Toronto, ON
- WPIE Raleigh, NC
- 690 LBF Montreal, PQ
- CMDF Santa Clara, Cuba
- 700 WLW Cincinnati, OH
- 710 WLD Luba
- CRVM Ville Marie, PQ
- WUN New York, NY
- 720 WGN CHICAGO, IL
- 730 CEGC Montreal, PQ
- XXA Mexico City, DF
- WMM Madisonville, KY
- CONF Blind River, ON
- 740 CBL Toronto, ON
- KRMB Tulsa, OK
- 750 WSP Atlanta, GA
- 760 WJR Detroit, MI
- CMED Guanabacoa, Cuba
- 770 WABC New York, NY
- 780 WBBM CHICAGO, IL
- 790 CKSO Sudbury, ON
- WFAK Norfolk, VA
- WML Memphis, TN
- 800 CKLV Windsor, ON
- FJB Boumaire, Neth. Antis.
- XEROK Ciudad Juarez, CH
- 810 WGY Schenectady, NY
- 820 WXEZ CHICAGO, IL
- WBSF Ft. Worth, TX
- CHAM Hamilton, ON
- 830 WCCO Minneapolis, MN
- 840 WHAS Louisville, KY



- 1550 WCVL Crawfordsville
- WCSJ Morris, IL
- 1560 WRIN Kentsellaer
- WHEZ Portage, MI
- 1570 WBEE HARVEY, IL
- 1580 WKKD Aurora, IL
- WSMJ South Bend
- 1590 WQNX Evanston, IL
- 1600 WCGU CHICAGO HEIGHTS, IL

- 850 KOA Denver, CO
- WRBZ Muskegon, MI
- 860 CJBK Toronto, ON
- 870 WNL New Orleans, LA
- 880 WCBS New York, NY
- 890 WLS CHICAGO, IL
- 900 CHML Hamilton, ON
- XEW Mexico City, DF
- 910 KGLL Miami, FL
- WSTU Iowa City, IA
- 920 WBAA West Lafayette
- KDHL Fairbault, MN
- CKCY Sault Ste. Marie, ON
- KARN Little Rock, AR
- 930 WKCT Bowling Green, KY
- WRVC Huntington, WV
- WNY Oklahoma City, OK
- 940 CBN Montreal, PQ
- WFAW Ft. Atkinson, WI
- XEO Mexico City, DF
- 950 WJPC CHICAGO, IL
- WVJ Detroit, MI
- 960 KZIM Cape Girardeau, MO
- WBSI South Bend
- 970 WAVG Louisville, KY
- 980 WONE Dayton, OH
- WSTX Nashville, TN
- 990 CBN Winnipeg, MB
- WYAT New Orleans, LA
- 1000 WLUP CHICAGO, IL
- 1010 CFRK Toronto, ON
- WINS New York, NY
- 1020 KDKA Pittsburgh, PA
- 1030 WBDX Boston, MA
- WBDX White Bluff, TN
- 1040 WHO Des Moines, IA
- 1050 WLIP Kenosha, WI
- CFYN Sault Ste. Marie, ON
- CHUM Toronto, ON
- WUKD New York, NY
- 1060 KYW Philadelphia, PA
- EMMO Baracoa, Cuba
- 1070 LHUK Sarnia, ON
- WIBC Indianapolis
- 1080 KRLL Dallas, TX
- WLIC Hartford, CT
- 1090 KAAY Little Rock, AR
- 1100 WWSL Cleveland, OH
- 1110 KFAB Omaha, NE
- WBT Charlotte, NC
- 1120 KMDX St. Louis, MO
- 1130 KWKH Shreveport, LA
- WNEW New York, NY
- WBGY Minneapolis, MN
- 1140 WRVA Richmond, VA
- CJFR Irois Rivieres, PQ
- FSOO Sioux Falls, SD
- 1150 CKOC Hamilton, ON
- CJRC Ottawa, ON
- 1160 WJJD Chicago, IL
- KSL Salt Lake City, UT
- WAMB Nashville, TN
- 1170 KVDU Tulsa, OK
- KSTT Davenport, IA
- WVVA Wheeling, WV

- 1180 WHAM Rochester, NY
- WJNT Jackson, MS
- 1190 WQWO Ft. Wayne
- 1200 WDAI San Antonio, TX
- WBZY New Castle, PA
- CFGU Ottawa, ON
- 1210 WCAU Philadelphia, PA
- 1220 WGAR Cleveland, OH
- XEB Mexico City, DF
- 1230 WJOB Hammond
- 1240
- 1250 WEMP Milwaukee, WI
- WTAE Pittsburgh, PA
- 1260 WBW Belleville, IL
- WNDE Indianapolis
- WRDZ Cleveland, OH
- 1270 WWCA GARY
- WKEF Rock Island, IL
- 1280 WGBF Evansville
- CJMS Montreal, PQ
- 1290 WHIO Dayton, OH
- WIRL Peoria, IL
- 1300 WOOD Grand Rapids, MI
- WXLG Lexington, KY
- WRBC Jackson, MS
- 1310 WIBA Madison, WI
- CIWW Ottawa, ON
- 1320 WKAN Kankakee, IL
- WJAS Pittsburgh, PA
- 1330 WVHI Evansville
- WFBC Greenville, SC
- 1340
- 1350 CKAR Oshawa, ON
- 1360 WGEE Green Bay, WI
- WSAI Cincinnati, OH
- 1370 WLTH GARY
- WSPD Toledo, OH
- 1380 KGLD St. Louis, MO
- WDHK Ft. Wayne

- 1390 WGET CHICAGO, IL
- 1400
- 1410 WJMG Dayton, OH
- 1420 WHK Cleveland, OH
- WUC Davenport, IA
- 1430 WIRE Indianapolis
- CFEL Toronto, ON
- 1440 WNFJ Green Bay, WI
- 1450
- 1460 WBRN Big Rapids, MI
- KSD Des Moines, IA
- 1470 WMBD Peoria, IL
- CHOW Welland, ON
- WMPF CHICAGO HEIGHTS, IL
- 1480 WABB Mobile, AL
- 1490
- 1500 KSTP St. Paul, MN
- WUDF Washington, DC
- WLOV Detroit, MI
- 1510 WLAL Nashville, TN
- 1520 KOMA Oklahoma City, OK
- KMPL Sikeston, MO
- 1530 WCKY Cincinnati, OH
- 1540 KXEL Waterloo, IA
- CHIN Toronto, ON
- 1550 CBE Windsor, ON
- 1560 WPAD Paducah, KY
- WQXR New York, NY
- 1570 WBEE Harvey, IL
- WFUR Grand Rapids, MI
- CFOR Orillia, ON
- CHLO St. Thomas, ON
- 1580 CBJ Chicoutimi, PQ
- WVKD Columbus, OH
- 1590 WAFR Akron, OH
- WNTS Beech Grove, IN
- WUNX Evanston, IL
- 1600 WSNX Muskegon, MI
- KATZ St. Louis, MO

FROM THE TOP OF GEORGIA

Karl Jeter
 Brasstown Bald, GA
 TRF 12-655 + random 50 longwire
 December 29, 1988 12pm-3pm
 (All stations licensed to Georgia
 unless otherwise noted.)

- 540 WSTH Columbus
- 550 WDUN Gainesville
- 560
- 570 WNNC Asheville, NC
- WAAX Gadsden, AL
- 580 WDFE Rockwood, TN
- WGAC Augusta
- 590 WKHX Atlanta, GA
- 600 WCVF MURPHY, NC
- 610
- 620 WRJZ Knoxville, TN
- 630 WNEG Toccoa
- 640 WFPB Atlanta
- 650 WSM Nashville, TN
- 660 WESC Greenville, SC
- 670 WTNN Farragut, TN
- 680 WRGC Sylva, NC
- WCNN Atlanta, GA
- 690 WZAP Bristol, VA
- 700 WLW Cincinnati, OH
- 710 WUFF Eastman, GA
- WSVT Smyrna, TN
- 720 WMYX Hogansville
- 730 WLIL Lenoir City, TN
- 740 WSVQ Harrogate, TN
- 750 WSB Atlanta
- 760
- 770 WZEL YOUNG HARRIS
- 780

Bridgeport Broadcasting Company
WBTS
 RADIO
 P.O. BOX U
 BRIDGEPORT, ALABAMA 35740



- 790 WQXI Atlanta
- 800 WDEH Sweetwater, TN
- 810 WBLW Royston
- 820 WAPQ Jasper, TN
- 830
- 840 WHAS Louisville, KY
- 850
- 860 WAEL Atlanta
- 870 WPKD Colonial Heights, TN
- 880 WRKZ Jefferson
- 890 WLS Chicago
- 900 WJTH Calhoun
- WXVX Knoxville, TN
- 910 WJCW Johnson City, TN
- 920 WGST Atlanta
- WPTL Canton, NC
- 930 WSEV Sevierville, TN
- 940 WMAZ Macon
- WECO Wartburg, TN
- 950
- 960 WRFL Athens
- 970 WNIV Atlanta
- 980 WKLY Hartwell
- 990 WTNZ Knoxville, TN
- 1000 WGO6 Walhalla, SC
- 1010 WGUN Decatur
- 1020 WRXJ Homeland Park, SC
- 1030 WNOW Mint Hill, NC
- 1040 WQBB Powell, TN
- 1050 WFSC Franklin, NC
- 1060 WNPC Newport, TN
- 1070 WFLI Lookout Mountain, TN
- 1080 WFTD Marietta
- 1090 WENR Englewood, TN
- 1100 WLBB Carrollton
- 1110 WBT Charlotte, NC
- 1120
- 1130 WLBA Gainesville

- 1140 WJHL Loudon, TN
- 1150 WJHL Chattanooga, TN
- 1160 WMBR Gainesville, TN
- 1170 WBBE Cumming
- 1180 WBAK Trion
- 1190 WJLA Atlanta
- 1200 WJLA Atlanta
- 1210 WJLA Atlanta
- 1220 WJLA Atlanta
- 1230 WJLA Atlanta
- 1240 WJLA Atlanta
- 1250 WJLA Atlanta
- 1260 WJLA Atlanta
- 1270 WJLA Atlanta
- 1280 WJLA Atlanta
- 1290 WJLA Atlanta
- 1300 WJLA Atlanta
- 1310 WJLA Atlanta
- 1320 WJLA Atlanta
- 1330 WJLA Atlanta
- 1340 WJLA Atlanta
- 1350 WJLA Atlanta
- 1360 WJLA Atlanta
- 1370 WJLA Atlanta
- 1380 WJLA Atlanta
- 1390 WJLA Atlanta
- 1400 WJLA Atlanta
- 1410 WJLA Atlanta
- 1420 WJLA Atlanta
- 1430 WJLA Atlanta
- 1440 WJLA Atlanta
- 1450 WJLA Atlanta
- 1460 WJLA Atlanta
- 1470 WJLA Atlanta
- 1480 WJLA Atlanta
- 1490 WJLA Atlanta
- 1500 WJLA Atlanta
- 1510 WJLA Atlanta
- 1520 WJLA Atlanta
- 1530 WJLA Atlanta
- 1540 WJLA Atlanta
- 1550 WJLA Atlanta
- 1560 WJLA Atlanta
- 1570 WJLA Atlanta
- 1580 WJLA Atlanta
- 1590 WJLA Atlanta
- 1600 WJLA Atlanta

KIKS 1370 AM
99.3 FM

Iola Broadcasting, Inc.
 Box 710
 Iola, Kansas 66749

- 1570 WSHL Clayton
- 1580 WJBE Spruce Pine, NC
- 1590 WYFI Athens, GA
- 1600 WLSB Copperhill, TN
- 1410 WJNK Kingston, TN
- 1420 WLET Toccoa
- 1430 WLSB Dalton
- 1440 WZYJ Cowan, TN
- 1450 WCUW Cornelia
- 1460 WJVA Buford
- 1470 WXAS Athens
- 1480 WAGB Franklin, NC
- 1490
- 1500 WLTA Clarksville, GA
- 1510 WLSB Nashville, TN
- 1520 WHEA Dayton, TN
- 1530 WCKY Cincinnati, OH
- 1540
- 1550 WYNX Smyrna
- 1560 WJJA Ellijay
- 1570 WCLE Cleveland, TN
- 1580
- 1590 WDLH Lafayette
- 1600 WABS Austell

FROM THE CORNFIELDS OF SOUTHWEST IOWA

- 1610 WJHL Kansas City, MO
- 1620 WJHL Kansas City, MO
- 1630 WJHL Kansas City, MO
- 1640 WJHL Kansas City, MO
- 1650 WJHL Kansas City, MO
- 1660 WJHL Kansas City, MO
- 1670 WJHL Kansas City, MO
- 1680 WJHL Kansas City, MO
- 1690 WJHL Kansas City, MO
- 1700 WJHL Kansas City, MO
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- 1990 WJHL Kansas City, MO
- 2000 WJHL Kansas City, MO

AM 1400
CKCB

CKCB AM 1400
 Collingwood Radio
 P.O. Box 1400
 Collingwood, Ontario
 L9Y 3Z3
 Telephone: (705) 444-1400

1450 KSD Des Moines
 1470 KNSL Sioux City
 1480 KMS Lincoln, NE
 1470 KFZD Omaha, NE
 1500
 1510 KULV Independence, MO
 1520 KLB Tripton
 1530 KPSN Des Moines

KRIC Des Moines, IA
 October 7, 1988 10pm-11:30pm
 1170 KRC Radio
 (All stations licensed to Nebraska unless otherwise noted.)
 1040 KMMT Ft. Dodge, IA
 1040 KRM Russell, KS
 500
 500 WMAX Yankton, SD
 530 WJMN Topeka, KS
 590 WMO Omaha
 600
 610 WDAF Kansas City, MO
 620 KINS Sioux City, IA
 630
 640 WOI Ames, IA
 650
 660 KCRD Omaha
 670
 680 KFED St. Joseph, MO
 690 KGGF Coffeyville, KS
 700
 710 WHB Kansas City, MO
 720
 730 KLOE Goodland, KS
 KWDA Worthington, MN
 740
 750 KMMJ Grand Island
 780 WJAG Norfolk
 790 KXXX Colby, KS
 800 KQAD Luverne, MN
 810 KCMO Kansas City, MO
 820
 830
 840 KWPN West Point
 850
 860 KKOW Pittsburg, KS
 870 KKAN Bethany, MO
 880 KXVN Lexington
 890
 900 KJSK Columbus
 910 KINA Salina, KS
 920 KHYR Shenandoah, IA
 930
 940 KIGA Des Moines, IA
 950 KJRG Newton, KS
 960 KMA Shenandoah
 970 KJLT North Platte
 980
 990 KRSL Russell, KS
 1000 KOTD Plattsmouth
 1010
 1020
 1030 KBUF Holcomb, KS
 1040 WHO Des Moines, IA

1540 KXEL Waterloo
 1550 KKKO St. Joseph, MO
 1560 KLN6 COUNCIL BLUFFS
 1570
 1580 KNIM Naryville, MO
 1590 KJLH Wayne, NE
 1600 KHCY Nebraska City, NE

1050 KLOH Pipestone, MN
 1060 KNLV Ord
 1070 KFDI Wichita, KS
 1080 KUAK Red Oak, IA
 1090
 1100 KFAB Omaha
 1110
 1120
 1130
 1140 KSOO Sioux Falls, SD
 1150 KSAL Salina, KS
 1160
 1170
 1180 K KAR Omaha
 1190
 1200
 1210
 1220 KIAN Atlantic, IA
 1230 KHAS Hastings
 1240 KFUR Lincoln
 1250
 1260
 1270 KNWC Sioux Falls, SD
 1280 KCNI Broken Bow
 1290 KOIL Omaha
 1300
 1310 KGMT Fairbury
 1320 KELO Sioux Falls, SD
 1330
 1340 KHUB Fremont
 KGFW Kearney
 1350
 1360
 1370 KAWL YORK
 1380
 1390
 1400 KLIN Lincoln
 1410
 1420
 1430 KKGJ Grand Island
 1440
 1450 KWBE Beatrice
 1460 KKOA Kearney
 1470
 1480 KLMS Lincoln
 1490 KEZO Omaha
 1500
 1510 KTTT Columbus
 1520
 1530 KHAT Lincoln
 1540
 1550 KICS Hastings
 1560
 1570 KNDY Marysville, KS
 1580 KAMI Cozad
 1590 KTCW Wayne
 1600 KRFS Superior



UPDATED DAYTIME BANDSCAN

Eric Rueman
 Roadstock, GA
 Reanistic DX-200 + SM-2
 (All stations licensed to Georgia unless otherwise noted.)

340 WDEK Columbus
 350 WDUK GAINESVILLE
 360 WDUK Dalton, AL
 WDUK Columbia, SC
 370 WAAK Gadsden, AL
 WAPC Asheville, NC
 380 WSAK Augusta
 390 WJHZ ATLANTA
 400 WTV Murphy, NC
 410 WJZA Birmingham, AL
 WJWS Russellville, KY
 420 WTKF La Barge
 WJVC Knoxville, TN
 430 WAVC Albertville, AL
 440 WLRD Atlanta
 450 WSH Nashville, TN
 460 WJST Greenville, SC
 470 WJMA Chicago, IL
 480 WJMS North Atlanta
 490 WJTB Birmingham, AL
 500 WJLJ Cincinnati, OH
 510 WJUN Rome
 WJFF Eastman
 520 WJXY Hogsheadville
 530 WJBT Madison, AL
 540 WJMT Montgomery, AL
 WJFZ Tallapoosa, AL
 550 WSR ATLANTA
 560 WJNL Moody, AL
 570 WJNN Athens, AL
 WJLL Young Harris
 580 WZZX Nashville, AL
 590 WJXJ ATLANTA
 600 WJUS Decatur, AL
 610 WJAL JACKSONVILLE, FL
 620 WJFA Largo, FL
 630 KBOA Bonnett, MO
 640 WJAS Louisville, KY
 650 WYDE Birmingham, AL
 660 WAEC ATLANTA
 670 WJRA Valley Head, AL
 680 WJCK Jefferson
 690 WLS Chicago, IL
 700 WJTH Calhoun
 WJTV Birmingham, AL
 710 WJFB East Pittsburg, TN
 720 WJST ATLANTA
 730 WJBY Rainbow City, AL
 WJCV Sevierville, TN
 740 WMAZ Macon
 WJLB Warburg, TN
 750 WJTA Summerville
 WJYA Montgomery, AL
 760 WJFC Athens
 WJRC Birmingham, AL
 770 WJNV ATLANTA
 780 WJSL Nashville, TN
 790 WJLS Centre, AL
 WJVK Knoxville, TN
 1000 WJAK Huntsville, AL
 1010 WJUN DECATUR
 1020 WJEP Uchiocnee
 1030 WJDA White Bluff, TN
 1040 WJBB Powell, TN
 1050 WJFU Cuyler
 WJUC Scottsboro, AL
 1060 WJNB Tallapoosa, GA
 1070 WJLI Lookout Mountain, TN
 1080 WJTD MARIETTA
 1090 WJRA Barnesville
 1100 WJBB Carrollton

1110 WJRS Dalton
 WJL Charleston, SC
 1120 WJUA St. Louis, MO
 WJWB Gordon
 1130 WJAA Macon, GA
 1140 WJX Market Creek, TN
 1150 WJAW Chattanooga, TN
 WJCO Tuscaloosa, AL
 1160 WJRB Dothan, AL
 1170 WJOL Ocala, FL
 1180 WJST Tallon
 1190 WJCA ATLANTA
 1200 WJOL Lebanon, TN
 1210 WJTB Gainesville
 1220 WJCK Rockmart
 1230 WJMS Bartlett, TN
 WJST Dalton
 1240 WJBA Gainesville
 WJAL LA GRANGE
 1250 WJOL Ft. Payne, AL
 WJTH Madison, GA
 1260 WJAH East Point, GA
 WJNO Chattanooga, TN
 1270 WJYC Carterville, TN
 WJYO Columbus
 1280 WJTO Eudora, AL
 1290 WJHE Carrollton
 1300 WJLA Dalton
 WJSA Rome, AL
 1310 WJLI DECATUR
 WJOP Chattanooga, TN
 1320 WJKE Memphis, TN
 WJAG Birmingham, AL
 1330 WJBY Carrollton
 WJRC Greenville, SC
 1340 WJCA ATLANTA
 WJGA Lecanto, FL
 1350 WJAD Gadsden, AL
 WJMH Cleveland
 1360 WJTY Rome, GA
 WJMN Lawrenceville
 1370 WJEF Chattanooga, TN
 WJAF ATLANTA
 1380 WJMS Greenville, SC
 WJNL Beardsville, GA
 1390 WJXX ALPHARETTA
 WJCH Reemont
 1400 WJAO Rome
 WJQR Fayetteville, AL
 1410 WJAV DECATUR
 WJAT Tuscaloosa, AL
 1420 WJSA Dalton, GA
 WJHR Marietta, AL
 WJZZ Lowan, TN
 1430 WJBY Montgomery, AL
 WJHE Carterville, TN
 WJNS Anniston, AL
 WJED Griffin
 WJVA Buford
 1440 WJAX Phenix City, AL
 1450 WJRA Rome
 WJAS Athens, GA
 1460 WJZE ATLANTA
 WJRI Abbeville, AL
 WJYZ Jasper
 WJNA Anniston, AL
 WJXB Chattanooga, TN
 1500 WJRP Dallas, GA
 WJLA Clarksville
 1510 WJAL Nashville, TN
 1520 WJFZ Douglasville
 WJEA Dayton, TN
 WJMS Opelika, AL
 1530 WJFI Dalton
 WJCY Columbus, GA
 1540 WJAL McDonough
 WJLT Tallon, TN
 WJSM Sumter, AL
 1550 WJNX SPARTA



WNRC Scoped Airchecks - from the 1988 Convention
 Recorded at the 1988 NRC convention in Milwaukee while the FM station was on the air for the weekend, the set of four C-90 tapes is available from the Publication Center for \$9.95. Featured are John Bowker, Joe Sorenson, Phil Wayne, and Bob Walker with their unique approach to broadcasting! Jingles and selections from the shows are included in the tapes, which are housed in their own book-like holder for storage. Rush \$9.95 in check or money order to the NRC Publication center - P. O. Box 184 - Mannsville, NY 13661, and be the first on YOUR block to own the complete set!

1560 WLJA Ellijay
WAGC Centre, AL
1570 WSSA Morrow
WTQX Selma, AL
1580 WEAM Columbus

WK16 Glennville
1590 WUGA Thomaston
WVNA Tuscumbia, AL
1600 WAOS AUSTELL

RADIO FREE WARREN REPORTING
John H. Rose II
Brunswick, OH
TFP
October 9, 1986
(All stations licensed to Ohio
unless otherwise noted)

570 WKBN Youngstown
610 WTVN Columbus
640 WHOL AKRON
680 CFTK Toronto, ON
700 WLW Cincinnati
740 CBL Toronto, ON
760 WJR Detroit, MI
780 WRBM Chicago, IL
790 WPC Sharon, PA
800 CKLW Windsor, ON
820 WOSU Columbus
930 WLND Cortland
850 WRMR CLEVELAND
880 WRFD Columbus
930 WEOL Elyria
960 WWST Wooster

970 WFUN Ashtabula
1000 WSUM Parma
1020 KDKA Pittsburgh, PA
1040 WJTB North Ridgeville
1060 WRCW Canton
1100 WWWE Cleveland
1130 WCXI Detroit, MI
1150 WCUE Cuyahoga Falls
1170 WWVA Wheeling, WV
1220 WGAR CLEVELAND
1260 WRBB CLEVELAND
1300 WERE CLEVELAND
1350 WSLR AKRON
1380 WRKG LURAIN
1390 WFMJ Youngstown
1420 WHK CLEVELAND
1440 WRRD Warren
1450 WLEC Sandusky
1500 WTOP Washington, DC
1520 WKNT Kent
1520 WKCY Cincinnati
1560 WTDD Toledo
WCDN Chardon
1590 WAKK AKRON

GRAVEYARD DX ACHIEVEMENTS UPDATE (all new records-thru Issue 20)

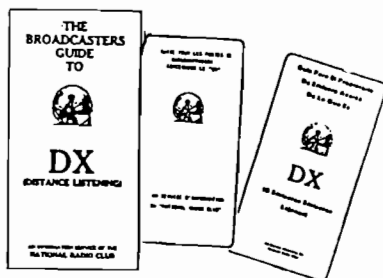
1230:	WSAL IN Logansport	Roger Winsor	Monticello, IN	20
1240:	KNRY CA Monterey	Doug Lamerson	Kane'oh'e, HI	2409
	WEDC IL Chicago	Joseph Fela	Newark, NJ	703
	KWLC IA Decorah	John Wilkins	West Des Moines, IA	168
1340:	KOHY CA Watsonville	Doug Lamerson	Kane'oh'e, HI	2424
	WCHI KY Ashland	Joseph Fela	Newark, NJ	477
	WRIT WI Milwaukee	Joseph Fela	Newark	724
1400:	WMSL AL Decatur	Joseph Fela	Newark, NJ	819
	WMGA GA Moultrie	Joseph Fela	Newark	851
	WDWS IL Champaign	Joseph Fela	Newark	741
	KWON OK Bartlesville	John Wilkins	Wheat Ridge, CO	527*
	KBCH OR Lincoln City	Doug Lamerson	Kane'oh'e, HI	2542
	WJAC PA Johnstown	Joseph Fela	Newark	250
	WKPT TN Kingsport	Joseph Fela	Newark	538
	WGAP Maryville	Joseph Fela	Newark	632
1450:	KDHN CO Buena Vista	John Wilkins	Wheat Ridge, CO	92

*=recomputation of former record awards this back to John.

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