



DX NEWS

The magazine of the
National Radio Club

— SINCE 1933 —

Volume 58, No. 19 - February 18, 1991 (ISSN 0737-1659)

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CPC Calendar ...

Date	Station	From/To (EST)
Feb. 16	WLIM-1580	4:45/5:15 AM
Feb. 18	KARY-1310	7:00/7:30 AM
Feb. 25	KUAI-720	5:30/6:00 AM
Mar. 11	KTIB-640	2:00/4:00 AM
Mar. 23	KTGG-1540	4:30/5:00 AM

WLIM-1580, Woodside Ave. Patchogue, NY 11772 will conduct a special DX TEST on Saturday morning February 16, 1991 between 0445-0515 EST. This test will include Morse code ID's. Our thanks to Mr. George Drake, Vice President. Arranged by the Colorado CPC Machine for the National Radio Club.

KARY-1310, BOX 1310, Prosser, WA 99350 will conduct a special DX TEST on Monday morning, February 18, 1991 between 0700-0730 EST. This test will include Morse code ID's. Our thanks to Mr. Tony Imus. Arranged by the Colorado CPC Machine for the National Radio Club.

KUAI-720, P.O. BOX 720, Eleele, Kauai, HI 96705 will conduct a special DX TEST on Monday morning, February 25, 1991 from 0530-0600 EST. This test will include Morse code ID's. Our thanks to Mr. Roger D. Rogelstad, Chief Operator for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

KTIB-640, Box 682, Thibidoux, LA 70301 will conduct a Special DX TEST on Monday morning March 11, 1991 between 0200-0400 EST. This test will include Morse code ID's. Our thanks to Mr. Ray Saadi, General Manager for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

KTGG-1540, Spring Arbor College, Spring Arbor, MI 49283 will conduct a Special DX TEST on Saturday morning March 23, 1991 from 0430-0500 EST. Details to follow. Our thanks to Mr. Edmond R. Trombley Chief Engineer for this test. Arranged by the Colorado CPC Machine for the

National Radio Club.

From the publisher ... We're pleased to announce a new column coming soon in *DX News*. Named "For Beginners", it will feature topics and questions of interest to those new to BCB DX or to those who wish to brush up on techniques. Also, we've decided to try something new in that we've joined the talents of veteran DX'er Jack Woods, Waldport, OR, and newcomer Mike Hawk, Omaha, NE, to bring you two unique viewpoints of the problems facing DX'ers. Some columns will be Q&A sessions, some will be expanded to cover particular topics, Jack and Mike tell me. So ... to get them started, send your questions or ideas for commentary to Mike at 10212 P St. - Omaha, NE 68127-2130.

AICEP ... ANARC's Sheldon Harvey is under contract with a Canadian organization, the Association for International Cultural Exchange Programs, which is promoting the 1991 Soviet Radio Tour and 3rd Annual Lerungrad Hamvention. The tour is from July 29-August 9. "These Soviet tours provide amateur radio operators the unique op-

(continued on page three)

DX Time Machine.

From the Pages of *DX News*

50 years ago ... from the Feb. 15, 1941 *DXN*: Twenty DX tests were listed, including KFQD-780 Anchorage, AK ... Joe Becker of Hamilton, OH reported that he needed only 17 active stations to complete the U. S. ... Jim Walker, Cass, WV, heard 6 Australian and 2 New Zealand stations on 2-6.

25 years ago ... from the Feb. 19, 1966 *DXN*: Supremacy ratings included such names as R. Anderson (2nd), B. Dangerfield (3rd), H. Holbrook (4th), H. Gustafson (6th), R. Millar (12th), E. McIntosh (13th), A. Merriman (15th), P. Taylor (16th).

10 years ago ... from the Feb. 23, 1981 *DXN*: Dan Myers re-activated the Flash Alert system ... Hank Holbrook, Chevy Chase, MD reported veries in from WSSA-1570, R. Paradise-825, WBTS-1480, WKKXQ-1600, and WPAD-1560.

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

AM Switch

Jerry Starrc/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:

800 CKOK BC Penticton
1240 CKOO BC Osoyoos
1400 CKRP BC Princeton
1450 CKSP BC Summerland

New call:

CKOR
CJOR WWEM-FMEASY MIX 96.7 WZNN-AM ALL NEWS 930
CIOR
CHORBEAR COMMUNICATIONS
PO Box 130, Rochester, New Hampshire 03867

Note: Changes reflect the affiliation of these stations with a newly formed network known as, what else, the "O-R Network"

APPLICATIONS/GRANTS FOR NEW STATIONS

None

APPLICATIONS FROM EXISTING FACILITIES1270 WLSM MS Louisville: reduce power to 2700 watts
1520 WTLN FL Apopka: to 700 kHz with 10000 D3 (reapplication)**GRANTS TO EXISTING FACILITIES**1240 WWSN GA Statesboro: changes in antenna system
1340 KIST CA Santa Barbara: powers to 675/675 U1 (reflects changes necessary to relocate antenna site as outlined here three issues ago)
1600 KMDO KS Fort Scott: relocate transmitter site**OTHERNESS**710 WKXB TN Smyrna: silent as WSVT, this station is expected to return in 2-91 to simulcast their new FM station on 94.1
980 WMAK KY London: silent station is back ON THE AIR
990 WALE RI Providence: station reports their night power is 1000 watts and their U3 operation is on the air. (From our recent stay in RI we can say that this sounds plenty strong for 1000 watts)
1090 KACO TX Bellville: station is SILENT
1180 WBOQ PA Quakertown: this new station CP may remain in limbo for some time, zoning problems have halted the construction of their three tower antenna system
1400 WLWZ SC Spartanburg: silent station is back ON THE AIR
1460 WPRW VA Manassas: silent since mid-December with equipment problems, station is back ON THE AIR
WRLB NJ Florence: another new station being held up with zoning problems at proposed antenna site, word is that this delay could be very lengthy
1490 KBKR OR Baker: station is now simulcasting KLBN-1450 in La Grande, OR. Interesting to note that PD Jerry Foster refers to Baker as Baker CITY in his letter1520 WHRF MD Bel Air: station has been staffed by volunteers since the first of the year, became SILENT 1-24-91
1550 KITH CA Apple Valley: station has been testing since mid-1990, is now ON THE AIR
1590 WETT MD Ocean City: station is SILENT AGAIN pending repairs to antenna system

THANKS: DAVE SCHMIDT, OLLE ALM, M STREET JOURNAL

73 and Good DX, *Jerry & BKF* Jerry Starr & Buffalo K. Fooman**(continued from page one)**

portunity to meet their overseas counterparts and learn more about the amateur radio movement has changed in the USSR," Harvey said. "It is always exciting to meet the people behind the broadcasts." The cost of the Comprehensive Tour is \$2995. For more information, contact Sheldon at 79 Kipps Street - Greenfield Park, Quebec, Canada J4V 3B1.

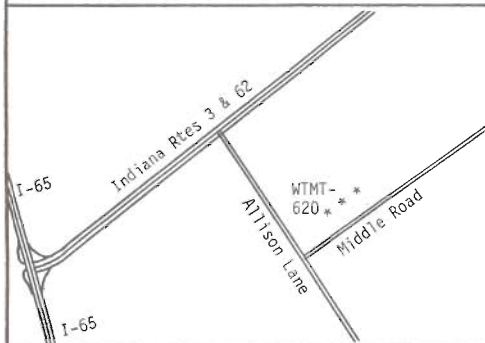
They joined ... David Burns, Alexandria, VA; Terry Keyowski, Regina, SA; Robert Rieder, San

Antonio, TX; Lee Siddons, Maitland, FL; David Stone, Vienna, VA; and Terence Talady, West Allis, WI. Welcome, all. The NRC really is growing, as we count more members right now than a year ago. Keep those names and addresses of prospective members coming, and we'll keep sending sample DXN's.

DXChange ... Paul Origlio - 1430 Havana, Suite 302 - Aurora, CO 80010-3348 is looking to add a DX160 and a D2999, mint condition, to his shack.

TOWER TIP

KY-5

WTMT-620
500 WATTS
LOUISVILLE, KY

WHAT TO LOOK FOR: Three towers along Middle Road; this site is about 6 miles from the Ohio River Bridge on I-65 in southern Indiana.

CONTRIBUTED BY: Dick Truax, Louisville, KY

Send a rough sketch and a few words about a.m. towers in your area to John D. Bowker, 14 Canoe Brook Drive, Princeton Jct., NJ 08550.

The Broadcaster's Guide to DX

A tri-fold guide for use with reception reports explaining DX'ing, how the NRC was formed, and the importance of QSL's to DX'ers. Versions also available in Spanish and French. US\$1.50 for 20. Available from NRC Publications.

WRCN**WRHD
1570 AM**72 West Main Street
PO Box 666
Riverhead NY 11901**Not sure about renewing?**

Consider these benefits of a membership in the National Radio Club: 720+ pages per year of printed, easy-to-read, comprehensive DX and radio information ... reduced prices for publications ... responsive editors ... and the friendliest bunch of DX'ers in the world! Why not send that renewal check to Ron today!

Domestic DX Digest - East

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

William Hale

734 Burluson
San Marcos, TX 78666-4335

MEDIUM WAVE rAmblings

- DDXD-E salutes all the guys and gals involved in Operation Desert Storm!!!
- Along with a couple of mentions in recent issues, Robert Kramer notes his new R-5000 ...is the most incredible receiver I have ever worked with.... Sounds like Kenwood has another winner. I was gonna get one, but decided on a new car instead, hi. Let's see what kind of reports these guys with R-5000's send in... Also, let me note here Robert's letter was returned to him, so some of his loggings are a bit aged. But, despite the USPS's valiant attempt to suppress Bob's DX, I'm putting them in anyway.
- Welcome back, Mike Jezioraki, whose name I remember from the pages of DX News many moons ago. Let's hear from all you 'new' members and report what's being heard at your DX shack.
- Due to time constraints here, I can no longer put in the time extracting Graveyard catches, and subsequent records, from DDXD-E & -W. If you want your GY catches considered for the record books, you'll have to submit them (with regular DX reports is OK).

SPECIAL

- 710 CHYR ON LEAMINGTON - has occasionally been noted on this frequency at night (most recently Jan 27th), instead of 730; don't know if this will continue, but it's a rare chance to get a Canadian daytimer (MJ-MI)
- 740 WIRJ TN HUMBOLDT - to follow up RF-OH, they have time pips each second from the end of Talknet to Talknet's beginning, with only one ID @ :00 (MH-NE)
- 1340 WLAV MI GRAND RAPIDS - 1/28 is now AOR | WLAV-FM 96.9; ex-SMN's Kool Gold OLD (PLB-MI)
- 1520 WVOI OH TOLEDO - 1/27 & 1/31 noted off the air...possibly silent?, WJMP weak on empty channel (MJ-MI)
- 1560 KKID OK SALLISAW - 12/24 0500 with full AM-FM ID at :00; in and out all night with C&W mx; didn't appear to be a test; what gives on this one? are they on fulltime now?? (RK-IL)

UNIDS AND UNID HELP

- 1340 UNID ?? - 12/21 0249 somebody in and out of the GY jumble with more hardcore heavy metal and slogan: AM 1340 - music too loud for FM; lousy music, great slogan (MJ-MI) [Possibly WLZR Milwaukee, which was recently reported to have switched to heavy metal -Ed.]
- 1380 UNID ?? - 1/16 2300-2315 talk You have been listening to ---?--- on your hometown station, W???; poor under CBJ (DT-ON)
- 1420 UNID ?? - 1/10 2300-2400 with BKB game, Northern Illinois and mention of University of Chicago (DT-ON)
- 1430 WVAM PA ALTOONA - is REH-ON's IRN unID (MH-NE) ...is probably Charles Reh's unID from 1/21 DXN; they've been IRN for some time (TH-CA)
- 1490 UNID ?? - 1/24 atop briefly with Ohio State BKB (vs Minnesota) | WING-1410; maybe ★ or FV-OH has the answer to this (RD-IA)
- 1570 UNID ?? - 1/7 0345-0430 in well for most of the time I was on the channel; over/under CFEZ with OLD off the bird; definitely heard a mention of Hattiesburg before 0400; at 0430, station suddenly cut away from the bird to play an a cappella version of Dixie; I'm guessing it was WIZK, even though Da Log sez they're daytime only; any help from somebody down in Ole Miss? (RD-IA)
- 1590 WASB NY BROCKPORT - is likely SA-MB & JF-ON's unID as they are strictly REL now (for more than a year) and are sometimes audible in the daytime here, and are off frequency (DT-ON)
- KELP TX EL PASO - is probably SA-MB's SS REL unID; a semi-regular here (TH-CA)
- 1600 WWRL NY NEW YORK - likely DLH-IN's unID as are on here competing with CHNR almost every night carrying a lot of NY church broadcasts and are now carrying some national ads like Hooked On Phonics (must be feeling a financial pinch), also were carrying late-night black call-in show (DT-ON)

DX AND EQUIPMENT TESTS

- 970 KPEL CO PUBBLO - 1/14 0200-0230 WEBR and a very weak TLK pgm under them, 0221 OC but no code, WEBR blocked it out by 0230 (DT-ON)

- KPEL CO PUBBLO - 1/14 slept thru it because the #%&@! [that's a direct quote, folks - Ed.] alarm clock didn't go off; 2nd time this season that's happened (missed WFAW the other time) (RD-IA)
- 1540 WSMI IL LITCHFIELD - 12/26 0101 good on regular f/c with TT + ID (RK-IL)
- WQXR NY NEW YORK - 12/24 0517 testing with OC + ID (RK-IL)

NDBs, TIS AND OTHER STUFF

- 513 PP NE OMAHA - is REH-ON's "weaker PP beacon" unID; they are located a few miles away at Millard Airport (MH-NE) [In reality, PP is listed as an "Outer Marker" (see comments in last week's rAmblings), located 6 miles from Eppley Airfield and 13 miles from Millard. Millard's NDB is MLE on 371. The list is growing -Ed.]
- 530 YCH NB CHATHAM - 1/19 0315 NDB, super weak with CIDs and 4 seconds of tone between IDs; cuz of CJFT/CFYZ, was only readable on 531 using R-390A's 100 Hz bandwidth, sharp (800 Hz) audio filter and BFO; no sign of a 529 SB, must only use USB; NB #15 (REH-ON) [...and growing -Ed.]
- 1685 MER CLM MERCADERES -1/22 2140 weak with IDs and TVI from my neighbor (MH-NE)

MIDNIGHT TO 0800 HOURS ELT

KTAR 620 AM

- 660 KTNN AZ WINDOW ROCK - 1/4 0041 poor, but much better a short time later, with mention of Window Rock, Interstate Radio Net, IDs; this one only possible due to new R-5000's incredible selectivity...adjacent WMAQ only an annoyance (RK-IL)
- 680 WPTF NC RALEIGH - 1/27 0105 weak with only WPTF ID hrd; unID Jim Bohannon mixing with it (RD-IA)
- 730 CKDM MB DAUPHIN - 1/11 0641 fair in CKAC null with C&W mx, promo for CKDM's coverage of harness racing from Assiniboia Downs in Winnipeg - sports report (MB-ON) ["Assiniboia", huh? I know the track in Omaha is called Ak-Sar-Ben (Nebraska backwards), but Assiniboia is a good one!! hi -Ed.]
- 830 CFJR ON BROCKVILLE - 1/3 0734 good with wx, ad, ID, sports (RK-IL)
- 910 WGBI PA SCRANTON - 1/17 0126-0130 with nx on the war, a CBS station break as You are listening to 910 WGBI Scranton-Wilkes-Barre, Social Security PSA; poor under CKLY (DT-ON)
- 940 CJGX SK YORKTON - 1/14 0351 good with mention of This has been a public service announcement from GX 94 (RD-IA)
- 950 WSPA SC SPARTANBURG - 1/25 0030 weak with ID after KOEL ID - MBS Nx; both stations went to the King thing at 0032 (RD-IA)
- 960 WTCH WI SHAWANO - 1/10 0645 poor - fair over WHAK/WFIR with local wx, Weather watch for WTCH and WOWN, C&W mx; 0653 ad for Big Green Lottery (MB-ON)
- 980 CKRM SK REGINA - 1/26 0746 good with ID and wx, including current temps in Moose Jaw, Weyburn and Saskatoon (RD-IA)
- 1190 KYII TX DALLAS - 1/27 0150 ad for KLIF-570 and KYII-1190; this may have caused Wayne's confusion (MH-NE) [Hey, Wayne, are you confused? -Ed.]
- 1220 CKCW NB MONCTON - 1/7 0045 with AST TC, IDs with mention of Moncton, and ROK mx; good in WGAR null (MJ-MI)
- 1240 KICD IA SPENCER - 1/7 0107 fair over mess with AM & FM sign-off (MJ-MI)
- 1250 KWSU WA PULLMAN - 1/7 0300 I DID IT!! weak with sign-off; hrd snippets of ...now ends another broadcast day... and ...KWSU is located...; WA #4; had been after this guy for a very long time! (RD-IA)
- 1300 WQPM MN PRINCETON - 12/24 0800 fair in mess with full ID (RK-IL)
- WSYD NC MOUNT AIRY - 1/28 0059 POP mx and ID - SNN Nx; good (MJ-MI)
- 1320 CKBC NS NEW GLASGOW - 1/7 0159 legal ID followed by Broadcast News, wx, ID and POP mx; fair, noted once since; possibly best bet for NS in this area (MJ-MI)
- 1380 WIZO TN FRANKLIN - 1/25 0100 poor with sign-off, so apparently not 24 hours anymore (MH-NE)
- 1410 WHLN KY HARLAN - 1/25 0644 fair with wx - TC and ad for an insurance company in Harlan (RD-IA)
- 1450 WNMP MA NEWBURYPORT - 1/16 0001-0043 TLK show (sounded like Larry King, are they a new affiliate?); 1450 WNMP distorted (was unaware of CL change [see AMS in Issue 14 -Ed.] (Thanks to Ernie Cooper for trying to help); poor w/CKLY (DT-ON)
- 1460 KLTC ND DICKINSON - 1/4 0059 fair with clean ID over unID during good conditions to NW (MJ-MI)
- 1490 WPNA IL OAK PARK - 1/13 0711 ID broke thru with DJ urging listeners to call 524-WPNA - GOS; ex: WOPA (JF-ON)
- WCZR WV CHARLESTON - 1/3 0247 faded in with ad for a video store in St. Albans (RK-IL)

- 1570 CFEZ AB TABER - 1/7 0335 good with mention of *Southern Alberta weather*; CLs hrd later; unID bird oldies underneath (see UNID section for plea of help) (RD-IA)
- CKMW MB WINKLER - 1/7 0513 fair with ID *We are...1570 with Star Country every night from Midnight to 6* (RD-IA)
- 1580 WBBA IL PITTSFIELD - 1/27 0059 AM-FM sign-off with mention of *250 watt days and reduced nights*; also mentioned 197.5; new (MH-NE)
- KXZZ LA LAKE CHARLES - 1/27 0106 ID: *KXZZ Lake Charles' K-16* followed by OLD mx; 1580 #27 (MH-NE)

0800 TO 1600 HOURS ELT

- 690 KTCJ MN MINNEAPOLIS - 1/8 1303-1306 weak in KUSD null with JAZ mx; no ID hrd, but was looping in that direction, and there's nobody else around on 690 for hundreds of miles except KGGF, and they're not JAZ (RD-IA)
- 970 WERH AL HAMILTON - 1/26 0838 fair with ID - ad for business in Brilliant, AL; lotsa mentions of *Northern Alabama* (RD-IA)
- 1160 WSKW ME SKOWHEGAN - 1/21 1559 good with ballad by male vocalist, ID *This is AM 1160 WSKW, the valley's only station for the Music of Your Life*; MB #1 for me at this QTH (MS-ON)
- 1200 WKOX MA FRAMINGHAM - 1/21 1558 fair with news mentioning *WKOX AM-1200* (MS-ON)
- 1510 KIFG IA IOWA FALLS - 1/8 1422 very weak under KTTT with song *Oh, No by The Commodores*; phone call to station confirmed this; another long-sought station (RD-IA)
- 1570 WANR OH WARREN - 1/22 1100 poor with legal ID: *This is Network AM-15, AM-1570 WANR Warren, Ohio - Network 15 Wx for Salem and Youngstown* followed by UC mx; gave request line # as 652-7842; lots of *Network 15* non-IDs but also hrd one *WNRB* call-ID (1540 in Niles); no sign of usual *WWCK* in Flint, MI; ex: *WOKG* and *OH #210* (REH-ON)

1600 TO 2400 HOURS ELT

- 550 KFYP ND BISMARCK - 1/3 1802 with North Dakota nx and *K-Fire* IDs; fair in WKRC null with CBEF splatter; noted several times since (MJ-MI)
- 570 KLIF TX DALLAS - 1/24 1837 TLK with WNAX; no CLs hrd, but ads gave Dallas (MH-NE)
- 580 WCHS WV CHARLESTON - 1/26 2121 fair with ID: *You're tuned to Full Service Radio, 58 WCHS* (RD-IA)
- CHLC PQ BAIE COMEAU - 1/22 1704 man and woman taking turns giving news in FF; long-wanted station (JF-ON)
- 670 KBOI ID BOISE - 1/24 1930 very weak under WMAQ with ID; only 3rd ever heard (MH-NE)
- 680 WODZ TN MEMPHIS - 1/26 2339 fair with ID: *Oldies 68, WODZ - The Contours'* original version of *Do You Love Me?*; last hrd here 3 years ago as *WRVR* (RD-IA)
- 710 WDSM WI SUPERIOR - 1/18 1630 fair with slow C&W song by female - ID and ad for *Marriott Hotels*; logged on my 26th b'day (and I feel like the gray hairs are coming already, hi (RD-IA)
- 760 WEND FL BRANDON - 1/11 1759 fair - poor in WJR null with traffic report, ad for *Meer's Carpets*, 1800 ID *This is 760 AM WEND Brandon-Tampa, it's 6 O'Clock - UPI Nx* (MB-ON)
- 770 WCGW KY NICHOLASVILLE - 1/3 1745 poor under WYNN with sign-off, instrumental SSB (RK-IL)
- 780 KROW NV RENO - 1/27 1959 C&W mx, then ABC Nx at :00; lost at :01 to pattern switch; no WBBM, but Radio Fronta Norteña QRM; NV #3 (MH-NE)
- 790 WRMS IL BEARDSTOWN - 1/8 1643 weak with only a mention of *WRMS* hrd at this time; never thought I would hear this guy (RD-IA)
- WSGW MI SAGINAW - 1/8 1705-1713 fair with *WSGW News* reported by *Ann Wiggins* - closing prices of local stocks; station went back to *Rush Limbaugh* at 1713, and that's when I turned the radio to another channel (RD-IA)
- 820 WRFA FL LARGO - 1/2 1700 good with REL + full ID (RK-IL)
- WIQT NY HORSEHEADS - 1/3 1621 fair, in & out w/CHAM w/EZL mx + ID (RK-IL)
- 830 WADU LA NORCO - 1/25 1825-1829 well over WCCO with what sounded like an automated EZL format, including *Herb Alpert's This Guy's In Love With You* hrd at 1825; next song started at 1829, then stn suddenly vanished like *D.B. Cooper* (RD-IA)
- NC EDEN - 1/3 1730 faded in with end of REL pgm + ID (RK-IL)
- 860 WLBG SC LAURENS - 1/19 1756 very good with UC mx & *Sizzlin' 86* slogan; DJ patter about Persian Gulf situation (HJH-PA)

KTRH
510 LOVETT BOULEVARD
HOUSTON, TEXAS 77006

- 880 KGHT AR SHERIDAN - 1/4 1758-1815 fair in WCBS null with C&W mx, 1800 ID *Our call letters are KGHT, our dial setting is AM 880...KGHT, Sheridan-Little Rock, Satellite News Network Nx, 1805 C&W songs until anct of power cut at 1815 saying KGHT is required by federal law to operate on reduced power during nighttime hours* (MB-ON)
- KGHT AR SHERIDAN - 1/23 1753 good with ID: *You're listening to Arkansas' Country Giant, AM 880, KGHT* (RD-IA)
- 900 KHOZ AR HARRISON - 1/25 1758 strong in KJSK null with NOS and ID: *Songs you remember, KHOZ (I don't remember them)* (MH-NE)
- 910 WTXN AL PEPPERELL - 1/25 1800 ID after wx then Ai Nx; new (MH-NE)
- 920 KARN AR LITTLE ROCK - 1/28 2159 ad for *Marriott Hotels, This is AM Radio KARN Little Rock - CBS Nx*; fair through local KISS-930's splatter, only 2-miles distant from my listening post (JB-TX)
- WTCW KY WHITESBURG - 1/24 2030 U of Kentucky call-in pgm until 2000, then C&W mx and finally an ID; atop channel for 90 minutes; likely more than 47 watts nights (MJ-MI)
- WHJJ RI PROVIDENCE - 1/22 1819-1830 TLK show, promo for Boston-Buffalo HKY game, ad for car dealer, *Number one station for sports, WHJJ, Boston Bruins* radio network, start of game; over/under CKCY with ROK mx (DT-ON)
- 930 WSEV TN SEVIERVILLE - 1/19 fair - poor, poking through WZNN in nulled WBEH; 1819 ad for *May Photo* mentioning *...the finest quality Kodak paper in Sevier County, ID as Hometown Radio WSEV, C&W mx* (MB-ON)
- 950 KPRC TX HOUSTON - 1/24 2333 weak under WQBE with only *KPRC* hrd; strange, no sign of regulars KYGO or WWJ this evening (RD-IA)
- WQBE WV CHARLESTON - 1/24 2310 good with song by *Waylon Jennings - 97.5 FM* ID; heard *WQBE* ID at 2328; 1st hrd this guy about 2 1/2 months ago on GTG weekend (RD-IA)
- 960 WTCH WI SHAWANO - 1/23 1838 very good with *The Shopping Show*, a radio auction type of program; lotsa mentions of businesses in New London, Shawano, Antigo and Green Bay (RD-IA)
- 976 WDAY ND FARGO - 1/3 1859 only caught ID over hour; fair (MJ-MI)
- CBZ NB FREDERICTON - 1/12 1959 in for several hours with *Coast To Coast* pgm; finally *CBC New Brunswick* ID at :00 (MJ-MI)
- 1010 WINS NY NEW YORK - 1/23 1909 atop channel with mention of *...the WINS Accu-weather Forecast*; 1st time hrd at this QTH (RD-IA)
- 1030 WNOW NC MINT HILL - 1/26 1715-1730 fair - poor signal after WFTK gone; ad for *Grace Baptist Church* and WNOW Valentine Dance; sign-off at 1730 mentioning *WNOW Mint Hill*; slogans *1030 AM Stereo* and *Your Super Gospel Station*, WBZ weakish tonight (HJH-PA)
- WFTK NC WAKE FOREST - 1/26 1705-1715 local quality at times smashing weak WBZ; REL mx and sign-off at 1715 with mention of *Wake Forest, Raleigh-Durham* and invite to *tune in tomorrow at 7:30* (HJH-PA)
- 1060 WMCL IL MC LEANSBORO - 1/26 1800 ID heard, then ~ C&W mx; fair under KYW (HJH-PA)
- WFLE KY FLEMINGSBURG - 1/19 1800 ending C&W then ~ war update; ID was over CNN News sounder; tough with KYW (HJH-PA)
- WNOE LA NEW ORLEANS - 1/26 1808 fair signal, clearly heard under KYW; slogan *Country 101* (HJH-PA)
- WBIV MA NATICK - 1/27 1659 ad for something *...with six locations in Boston - SS mx*; MA #5 (MH-NE)
- WPMX MS TUPELO - 1/3 1910 good in KYW null with UC, *1060 Power Music* non-ID (RK-IL)
- 1070 WAPI AL BIRMINGHAM - 1/26 1753 NOS format from satellite; nice signal with little interference; ad for place in Alabaster and jx (HJH-PA)
- WINA VA CHARLOTTESVILLE - 1/21 1658 fair with music *Sweet Seasons...from 1972*, list of contest winners including a listener from Gordonsville(?), CBS mention, Charlottesville traffic report, ID *You'll hear it first on WINA...your news and sports leader in Central Virginia* (MS-ON)
- WIWS WV BECKLEY - 1/20 1743 apparently one with promo tape for investment in WV and wx during breaks; good, in tight CHOK null (MJ-MI)
- 1080 KRLD TX DALLAS - 1/12 2331-2400 wx at 2331 in *Jim Bohannon Show*; very weak under WTIC (DT-ON)
- 1110 KPAB NE OMAHA - 1/27 1744 loud signal with WBT nulled; numerous ads, then ad for the best of *Bruce Williams* at 6 PM; wx report (HJH-PA)

WYLD
WYLD

- 1130 **WCXI MI DETROIT** - 1/23 1711 very good over KILJ with *AM Stereo 1130, WCXI* - conversation with caller Pam (RD-IA)
- 1140 **WAMG TN GALLATIN** - 1/23 1900 good with part of sign-off anncet ...our studios are located at 701...in Gallatin, Tennessee (RD-IA)
- 1150 **WRRL WV RAINEVILLE** - 1/21 1700 poor, surfaced briefly out of noise with ID *WRRL AM & FM* (MS-ON)
- 1160 **KLTK MO SOUTHWEST CITY** - 1/9 1900 good with sign-off; was hoping to hear KGEM (RD-IA)
- 1170 **WGGH IL MARION** - 1/27 1750-1800 sticking out like a sore thumb here with REL mx; dropped down 1752 and stayed pretty much down until 1800 when ID hrd thru a mess of others on apparent sign-off (HJH-PA)
- 1180 **WOBM NJ LAKEWOOD** - 1/27 2359 C&W mx and ID; fighting with WJJD in WACY null; also noted with odd sign-off type anncet at 0015, giving power, owners, etc. though they stayed on; call ID comes only over the hour 1160 AM Star Country slogan is used otherwise (MJ-MI)
- 1190 **WVVA WV WHEELING** - 1/23 1705 briefly over KSTT with end of Persian Gulf update - ID: *WVVA Newstime is...*; mentions of West Virginia and Pennsylvania in news stories; received a verie in December from CE Jim Wallace; THINK BRIDGEPORT, EVERYONE...only 7 months away! (RD-IA)
- 1240 **WBGC FL CHIPLEY** - 1/14 2003-2010 with nx & talk; clear ID at 2010 *This is Florida Radio Network WBGC*; poor, under/over at least 3 unIDs (DT-ON)
- 1270 **KOZQ MO WAYNESVILLE** - 1/8 1846 fair with sign-off anncet read by male; some audio from their FM sister station hrd after that (RD-IA)
- 1310 **WDPN OH ALLIANCE** - 1/19 1744 atop with ID *It's always nice and easy on the all-new WDPN at 1310*, then EZL; much-wanted, perhaps CP is on as I've heard it several times since and never a trace before (JF-ON)
- 1320 **KLWN KS LAWRENCE** - 1/5 1945 good with IDs and beginning of *Kansas U BKB* pregame show (MJ-MI)
- 1330 **WAGY NC FOREST CITY** - 1/24 1834 good over KELO and unID Iowa station during western opening w/ID *You're having fun in the country on WAGY - C&W mx* (JF-ON)
- 1340 **WSSY IL EVANSTON** - 1/14 1656 fair with REL pgm ending - editorial by man against President Bush's announced censorship of news service coverage of Gulf crisis and mentioning Bush's CIA connections, usual disclaimer from station; hrd partial ID at 1700 mentioning *AM 1330 Evanston-North Chicago*; call letters were given but lost in interference (MS-ON)
- 1360 **KCSJ IA SIOUX CITY** - 1/20 2205 good with ID and ad for boat and marina show in Sioux City - Talknet with Dr. Harvey Rubin (RD-IA)
- 1370 **WIXZ PA MC KEESPORT** - 1/25 2142 McKeesport HS BKB followed by C&W mx and *Wixey 1360* IDs; fair but fadey with WSAI (MJ-MI)
- 1380 **WSAI OH CINCINNATI** - 1/24 2156 fair with wx and 9:56 TC - 1360 WSAI ID and Lee Dorsey's *Ya Ya* (RD-IA)
- 1390 **KLIZ MN BRAINERD** - 1/3 1817 good with wx and ID (MJ-MI)
- 1400 **KLNT IA CLINTON** - 1/24 1757 all alone with MoYL-type mx | KRNT-1350, ID *For great songs and wonderful memories, your original hits station, KLNT*; back to mx (JF-ON)
- 1410 **WILI CT WILLIMANTIC** - 1/15 2155-2205 talk - *WILI-*, talk on health food, woman anncet with nx; 2205 ad for auto product; over/under CKCB/WRAK etc (DT-ON)
- 1420 **CKCB ON COLLINGWOOD** - 1/15 2155-2204 ...*Right here on CKCB...*, OLD, nx, wx; poor under/over WILI/WRAK (DT-ON)
- 1430 **WPOP CT HARTFORD** - 1/5 1805 end of ABC Nx, then promo for *LiConn* BKB and lots of IDs; fair in WQBH null (MJ-MI)
- 1440 **WACK NY NEWARK** - 1/5 1841 very good with promo for college BKB doubleheader on *your sports station* (MJ-MI)
- 1450 **WACK NY NEWARK** - 1/18 1813-1820 CNN Nx re Mideast war, promo for *Buffalo Bills* FB, including local sponsor; med poor (DT-ON)
- 1460 **WEEF IL HIGHLAND PARK** - 1/24 1740 presumed the one with SS talk mentioning Chicago a few times, ex: *WVVK* (JF-ON)
- 1470 **WCMY IL OTTAWA** - 1/24 1740 poked thru *WEEF/WBEV/CJCL* mess with *WCMY newstime is 4:41* (JF-ON)
- 1480 **KQRS MN GOLDEN VALLEY** - 1/23 1957 good with *The Moody Blues' I'm Just A Singer In A Rock And Roll Band* - ID: *Another hour of classic rock and roll on KQRS* (RD-IA)



- 1490 **WKBV IN RICHMOND** - 1/24 2134 good with *Indiana BKB (vs Michigan)* | *WFXP-1430* (pbp by Don Fischer) (RD-IA)
- 1510 **WAUK WI WAUKESHA** - 1/5 1754 very good in WLAC null with ID and slogan: *Much more music - much less talk about how much more music we play* (MJ-MI)
- 1540 **WPTR NY ALBANY** - 1/25 2115 with *Albany Patrons* CBA BKB; under KXEL which had C&W (MH-NE)

REPORTERS

- REH-ON CHARLES REH//Leamington. ON//R-390A + Sanserino Loop + TR-3000 open reel tape recorder
- DT-ON DON TRELFOUR//Scarborough, ON//
- MB-ON MIKE BROOKER//Toronto, ON//RF-2200, ICF-7600D
- RK-IL ROBERT KRAMER//Chicago, IL//R-5000, R71A, R-1000, HQ-129X + 2 RW Loops, Kowalski Loop + Kantronics Signal Enforcer peak/notch filter
- MS-ON MORRIS SORENSEN//Scarborough, ON//HQ-150 + SM-2 Space Magnet
- MH-NE MIKE HAWK//Omaha, NE//R-1000, HQ-180A + 2' coax loop, CT-3000 taper deck
- RD-IA RICK DAU//The Farm near Oakland, IA//R-1000 + RW Loop//1073 hrd here
- TH-CA TIM HALL//Chula Vista, CA//sharp eyes & ears
- HJH-PA HARRY HAYES//Wilkes-Barre, PA//Superadio + Superloop
- JB-TX JIM BOEHM//San Antonio, TX//Superadio + MFJ Dual Tunable Audio Filter
- PLB-MI PHIL BOERSMA//Spring Lake, MI//
- RD-IA RICK DAU//Iowa City, IA//R-1000 + RW Loop
- MJ-MI MIKE JEZIORSKI//Detroit, MI//Superadio
- JF-ON JEFF FALCONER//Clinton, ON//R9000 + SM-2 or 250' LW/Datong audio filter



ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DDXD-E

||: parallel with or to - :to or into :00: on the hour AC:Adult contemporary AP:Associated Press BBD:big band BRN:Business Radio Net C&W:country & western CHR:contemporary hit radio CID:code ID ContChr:contemporary Christian EZL:easy listening EE:English FP:French GOS:gospel IRN:Interstate Radio Net jx:jingle LSR:local sunrise LSS:local sunset mx:music nx:news NPR:National Public Radio OC:open carrier PSRA:pre-sunrise authority PSSA:post-sunrise authority QRM:man-made interference QRN:natural interference QTH:location REL:religious ROK:rock 'n' roll RS:regular schedule \$:stereo SID:singing ID SRS:sunrise skip SS:Spanish SSB:Star Spangled Banner SSS:sunset skip TC:time check TT:test tones UC:urban contemporary UPI:United Press International wx:weather

73, Bill

IN THE BEGINNING

BY JOHN D. BOWKER

THIS IS THE COMPLETE LIST OF U. S. BROADCAST STATIONS ON THE INDICATED FREQUENCY AS PUBLISHED BY THE FEDERAL RADIO COMMISSION IN 1934. "S" MEANS SHARED; "SH" MEANS SPECIFIED HOURS; "T" INDICATES TRANSMITTER LOCATION; "D" MEANS DAYTIME OPERATION ONLY; "U" MEANS UNLIMITED TIME.

Frequency (kc)	Call letters	Main studio and transmitter location	Power	Time designation
910, Canadian exclusive.				
920, regional..	WBSO	Needham, Mass.....	500 w.....	D.
	WWJ	Detroit, Mich.....	1 kw.....	U.
	KPRC	Houston, Tex.....	{ 1 kw..... } U.	
		T—Sugarland.	{ 2½ kw LS }	
	WAAF	Chicago, Ill.....	500 w.....	D.
	KFEL	Denver, Colo.....	500 w.....	S-KFXP.
		T—Edgewater.		
	KTFX	Denver, Colo.....	500 w.....	S-KFEL.
	KOMO	Seattle, Wash.....	1 kw.....	U.

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SPECIAL

1180 KLAY WA Lakewood

1/2 1456 "This is KLAY Lakewood- Tacoma Testing" then OC. Still not on RS as of 1/22. Would never have been listening at this hour except for the NRC Contest! (NH-WA)

Midnight to Midday

550 CKPG BC Prince George

1/28 0540 Fair w/ OLD, BC Wx, CKPG promo.. no sign of regular KMVI. (JW-OR)

700 CKRD AB Red Deer

1/7 0400-0404 Fair atop mess w/ 60 sec Promo and AC Mx. (MD-CA)

770 KATL MT Miles City

1/28 0327 Poor w/OLD AC/MOR. ID's. 1st time on Night pattern but stronger than on DX TEST possible CHQR w/AC-EZL under. This in RARE KKOB SP.. Noted KKOB return w/ OC at 0600 to s/on at 0617 w/ Song about Albuquerque... (TH-CA)

780 (KROW) NV Reno

1/28 0320 On SP leaving KAZM and weak WBBM. YVOD noted after 0513. (TH-CA)

1130 KSDO CA San Diego

1/28 0500 Noted ON, w/ "When Radio Was" old radio prgms. Possible the end of AN-6 operation. (TH-CA)

1160 KSL UT Salt Lake City

1/26 0712 Noted w/ TT then back to regular prgm in mid sentence. (TH-CA)

1520 KSIB IA Creston

1/25 1059 "You're Listening to KSIB-AM and the new 101.3, 25000 watt KICR-FM Creston" to ABC Direction Nx..to state nx w/ Mike Peterson... Fair/ Good w/KOMA nulled (0W-CO)

1540 KEDA TX San Antonio

1/29 0108 Fair w/KXEL on Rare SP and KSGB off. EE/SS pops Male DJ in SS; "Radio Jalapeño" slogans. (0W-CO)

Midday to Midnight!

550 KUSA MO St. Louis

1/20 2059 ID as "Classic Country 55 KUSA St. Louis"; MBSNx; C&W Mx; lcl ads. Good w/ KLZ-560 slop. (0W-CO)

580 KFXD ID Nampa

1/22 1950 CBN pgm; ID "580 AM KFXD Nampa Boise" & CBN Nx. Good sig. Another report out. trying for a verie since '83. (0W-CO)

600 WREC TN Memphis

1/22 2059 U of Tenn vs LSU BKB. 2100 ID. 1st time this season. (0W-CO)

610 KONA WA Kennewick-Richland-Pasco

1/22 1910 OLD MX; ABC Gulf updates; "ABC and KONA are South East Washington's Radio News Team" Surprisingly Good o/KSKE/WDAF. Looking for KVNU. WA # 11. (0W-CO)

900 CKBI SK Prince Albert

1/7 1929 Wx w/ temps for many SK cities, ID into "Somewhere Out There" Good o/KKRT w/CJVI nulled. (NH-WA)

920 KQLO NV Reno

1/18 1831-1843 OLD format, ads, promo by Cousin Brucie. Many "KQLO ID's" & "KOOLGOLD" Slogans. They used to give KQLO ID's at the top of the hour and used KOLO the rest of the time. (NH-WA)

1030 WMIN MN Maplewood

1/24 1732 "Sports Beat"; lcl ads; NOS format. Fair to Good "The Memory Station" MN # 25 (0W-CO)

1040 KGGG TX Dallas

1/19 1838 Promo Lcl Gospel Concert; GOS Mx to 1846 s/off "Great Gospel Radio" slogans Fair in WHO null. (0W-CO)

1150 KEZX Seattle WA

1/25 1955 Business News ID as "Business Radio 1150" poor to fair. (JW-OR)

1220 KDFC CA Palo Alto

1/26 1956-2008 CLA Mx, No pause @ 2000. Male Ann w/Palo Alto spot & ments KDFC at 2008. (JW-OR)

1230 KSJK OR Talent

1/2 2200 ID "...Southern Oregon State College.. Public Radio KSJK" Fair. (NH-WA)

1320 KOZY MN Grand Rapids

1/19 1722 YL Chatting w/fishing expert; 1723 Events calendar mixing w/KUTR/KELOMN # 23 (0W-CO)

1320 KELO SD Sioux Falls

1/19 1724 Oldies Mx, promos "Cash Call Money Line" & Operation Desert Shield Listener s fair. (0W-CO)

1330 KNOWt MN Minneapolis

1/23 1659 YL w/prgm sked; ments of NPR & MN Public Radio; Twin Cities Wx; 1701 Nx Weak faded u/KFH/CJYM/KWLO (0W-CO)

1340 KPRK MT Livingston

1/17 1913 ID after local news, MST TC, to Paul Harvey's "Rest of the Story" Poor I've been trying for this one for 20 years! (NH-WA)

1340 KCAP MT Helena

1/5 1929 End of Sx, ID Nx & Wx Excellent o/the group. (NH-WA)

1400 KRPL ID Moscow

1/12 2000 ID "KRPL Moscow-Pullman" o/ the group. Haven't hrd this in 10-15 years. (NH-WA)

The Answer Man

Got a question about radio? Send it to NRC's Answer Man: Russ Edmunds - 753 Valley Rd. - Blue Bell, PA 19422-2052. No question is a dumb question, and Russ will answer all, from basic to highly technical. Watch for the answer in DX News!

1410 KGNN MO Cuba

1/20 1854 S/off by male ann; ments 1000 watts studios in Cuba & Leasburg. Poor w/WIZM/KCOL/KFMS. MO # 40 (0W-CO)

1440 KMAJ KS Topeka

1/19 2153 Topeka HS vs Hayden BKS w/ many lcl ads. (0W-CO)

1520 KOLM MN Rochester

1/22 1715 Finally an ID & enuf for a report. Lcl ads; Nx; OLD Mx w/ YL DJ. Logged early before mega pest KOMA took over. (0W-CO)

UNID!

670 UNID

1/7 0318-0248 1/7 Fair signal in WMAQ null w/KBOI off. Classic Rock Mx. KBOI returned w/OC at 0348. Any help on this? (MD-CA)

1410 UNID

1/20 0704 USA NET Nx, Weak signal. (TH-CA)

CONTRIBUTORS!

(MD-CA) Marc DeLoFennG - Yuba, CA - GE World MftrCr w/EM-1 (NH-WA) Nancy Hardy - Aberdeen, WA - PRG-7, Radio West Loop (0W-CO) John Wilkins Wheat Chaff, CO - R-1000, 4.238 Anguilla Loop (JW-OR) Jack Woods Waldport, OR - ICF-2010, SP-600. Martens Loop (TH-CA) Tim Hall Chula Vista, CA - ICF-2010, Radio West Loop (I know, I know; this is different from the preceding page. Chalk up the different type styles to an opsie on my part -pls)

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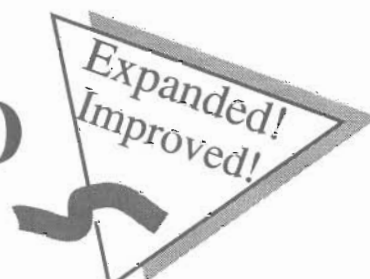
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'Wireless Telephone' Comes to Springfield—1921

By LARRY GORMALLY

A new sound came to our area in 1921, when Radio Station WBZ, located in Springfield at the former Westinghouse plant in East Springfield, started broadcasting. Springfield was selected as the site of the first radio station in New England by the Westinghouse Electric Manufacturing Company, the foremost developer of the new "Wireless telephone" as it was referred to at the time by the Springfield Union.

The Springfield Union, Sept. 18, 1921 reported on the first broadcast. "Tomorrow Springfield will have the first of the Wireless telephone instrument known as the Radio-Phone. People all over New England will be interested in this demonstration, in which it is expected that the Governors of the New England states will have a part. The demonstration will be made at the Springfield factory of the Westinghouse Company, where this past week was installed the largest radio telephone instrument in New England. It is expected that

most of the New England Governors will be in attendance there, and will be transmitting their own greetings over the telephone. These speeches and a concert will be received at most of prominent cities in New England within a 200 mile radius of Springfield."

While this was the first demonstration in New England, the Westinghouse Company for the previous six months has been sending out evening broadcasts at East Pittsburgh, Pennsylvania over radio station KDKA, reportedly being heard within a 1000 mile radius of Pittsburgh. The article mentioned that more than 2000 families in the Pittsburgh area had installed radio receiving sets in their homes. According to the Springfield Union, "these sets are known as Aerola Jr., and all that they require is 100 feet of wire attached to the instrument which is placed on a table in the room. There is a small adjustable handle on the appliance which is moved by the operator until his instrument is attuned to the vocal or

Springfield Journal -via Don Lynch

musical notes being sent out from the transmitting station."

The Westinghouse Company was proposing to introduce to Springfield broadcast services such as storm warnings, weather reports, market conditions, and other items of general interest to be broadcast at regularly stated times. The Springfield Union reporter concluded his first report with the following prophetic statement. "No one can say what may yet be developed in this young art. From a mere play thing of scientific interest only five years ago, at least to the large electrical companies, radio has grown to proportions that command the respect of all thinking men of the day. Great things can be looked for as a result of this newly awakened interest, and this concentrates effort at development."

The following day the Springfield Union reported on a speech by Speaker of the House, Frederick H. Gillett, to the six New England governors, and other guests gathered at Massachusetts Governor Cox's banquet on the Eastern States grounds. A concert followed the speech. The speech and the concert were transmitted from a studio on the roof of the Westinghouse plant to a receiving set at the Eastern States grounds.

Gillett opened his speech as follows, "I have been requested to say a word to you governors of the six New England States by wireless telephone from the Westinghouse plant." His brief speech covered the importance of farming in New England. The concert that followed featured singers Mrs. Karl Eckbert, Miss Anna P. Wollman, Edward E. Hosmer, and Walter R. Marsh, and Milton Aronson, the violinist. The quartet sang "Annie Laurie," and Mr. Hosmer "The End of a Perfect Day." Secretary of Agriculture, Harry C. Wallace, spoke to members of the Boys' and Girls' clubs at the Exposition via the station on the grounds. The six New England governors also had an opportunity to send a message to their respective state capitols.

The governors were assisted by a group of young operators, with their sets, under the supervision of a Westinghouse engineer. The operators at the Exposition grounds transmitted the speeches by radio to Westinghouse plant, and relayed it back to the grounds, so that each governor heard himself speak. The speeches were sent to each state capitol by holding the telephone receiver to the radio transmitter.

One of the very early performers on station WBZ was the well known local naturalist and author of children's stories Thornton W. Burgess. In his autobiography, "Now I Remember," Mr. Burgess recounted his introduction to radio.

"One day I was telephoned by a representative of the Westinghouse Company. Would I, at seven o'clock, on a specified evening tell one of my stories for children over WBZ? A car would be sent for me, and take me home. There were no paid programs in those days, but the company gladly furnished transportation. I had never seen a receiving set, a crystal set, or a microphone. Burgess was taken to the plant, and delivered to the studio. Burgess continues, "I made myself known to the lone operator, who was also the announcer. Presently the announcer, said it was time for me to go on. He made a brief statement that Mr. Burgess would tell one of his stories for children, motioned for me to take his place at the mike, and turned away."

The following day Burgess took a train to Boston. A fellow passenger, recognizing Burgess, said he had heard him the previous evening. When the station moved to the Kimball Hotel, and a new soundproof studio Burgess became a "regular," reading one of his stories at the children's hours daily, except Sunday. Two trained readers called the Dream Fairy, and the Sleep Fairy, alternated in reading. Burgess started a 10 minute feature, talking about birds, and animals. Readers sent in letters requesting that he be given more time, which soon developed into a half hour program.

The Radio Nature league, started by Burgess in 1924, continued for nine years, Burgess encouraged his listeners to send their names and addresses, and become a member of

the League. Soon his program was being heard throughout New England, and the Midwest. Through his program Burgess was able to enlist other naturalists to speak on conservation topics. He was also able to get his listeners to help museums obtain specimens for their collection. When Burgess disbanded the League, after nearly 10 years "of this labor of love," it had a membership of 50 thousand.

WBZ remained at the Westinghouse plant until 1924 when the broadcasting studio was moved downtown to the Hotel Kimball. In March 1924 WBZA Boston joined the local station in synchronized broadcasts of cultural programs. The Boston and Springfield stations swapped call letters in 1926, Springfield taking the letters WBZA, and Boston, the letters WBZ. From then on Springfield was in a subordinate role.

The opening of radio stations quickly resulted in an increasing demand for radios. Westinghouse started producing radio sets and related equipment in their Chicopee Falls plant, employing up to 300 people, with Springfield gaining the title of "Radio capital of New England." The early radio sets, with names such as Aerobia and Radiola, were simple two tube receiving sets.

Many of the early radios, particularly the more elaborate console models, were expensive pieces of furniture, selling for several hundred dollars, equaling the price of some of the less expensive autos. The local plant was also producing short wave receivers, and transmitters for use on ships or airplanes.

WBZ Boston, marked the tenth anniversary of radio broadcasting in New England, on Sept. 18, 1931, with a birthday party in its new studio at the Hotel Bradford, Boston. Six hundred guests were in attendance when messages of greetings from President Herbert Hoover, and Mayor Curley of Boston were read. Six dance bands, a symphony orchestra and several vocal groups were part of the entertainment. NBC, New York prepared a special salute, which included greetings from former members of the WBZ staff, including John S. Young, a High School of Commerce graduate. Joe Rines and his showboat Orchestra, and Leo Reisman's Hotel Bradford's orchestra were part of the Boston celebration.

The Hotel Charles, Springfield, hosted the annual convention of the American Relay League, with four hundred delegates, on May 17, 1939. The Springfield Union reported on his historic meeting. "Hotel Charles will be the scene of the first television demonstration ever to take place in Springfield when the annual convention of American Radio Relay Leagues is held this weekend. The television demonstration will be set up in one room, while in some distance placed in the hotel delegates will watch the demonstration on a "videometer."

Springfield's radio station WBZA closed its broadcasting on July 13, 1962 when Westinghouse Corporation announced that it was discontinuing operation in Springfield, so that they could acquire station WINS in New York City. The FCC only allowed a company to own a specified number of stations, and Westinghouse had reached its maximum. WBZ-Boston, "the voice of New England," can still be heard locally.

Route 78 traffic tips hit airwaves

Motorists on busy state Route 78 can get traffic information on the spot by tuning to the new 530-AM radio-assistance program.

Two of three transmitters — one in Escudido and one in Vista — have been installed and are on the air around the clock. A third proposed transmitter, at Interstate 5 and Route 78 in Oceano, is scheduled to go into service late next month.

Each transmitter will cover 2.5 miles on each side of the road and give information on accidents, construction delays and ride sharing, said Kevin Ham, of the North County Transportation Management Association. Ham said the recorded mes-

sages can be changed rapidly to keep up with the unexpected.

For instance, Ham said, had the program been in effect last fall when Interstate 5 was closed by a bad fire on Camp Pendleton, motorists would have received information on alternate routes.

"We can tell them over the radio," he said.

The Route 78 radio system is only the second 530-AM system to be set up in San Diego County, according to California Department of Transportation officials. The other is in operation at the international border.

Using \$106,000 from federal grants, the association is paying for the two transmitters already operating. Cal-

trans is installing the third one. Ham said Caltrans rarely lets private groups, like the association, work on its freeways as is being done with the traffic information system. "It's a good example of a private and public organization working together," he said.

San Diego Tribune -via Albert S. Lobel

Audio Travel Information

Bill Baker, I.S.S.

One of the longest and most beautiful bridges in the world is the Mackinac Bridge which joins Michigan's upper and lower peninsulas. But as you travel along Interstate 74 toward the "Big Mac", even before you see the bridge's twin spires, you can hear it. You can hear the Traveler's Information Radio Station which broadcasts motorist information to persons approaching the bridge.

The radio system at Mackinac is an example of a nationwide phenomenon—traveler information being offered to motorists not by sign, but by AM radio. Departments of transportation are telling motorists about construction and detours; Tourism & Visitor Bureaus are telling travelers about things to see and do in towns just off the interstate highways; parks, colleges, and airports are broadcasting rules, regulations and parking information. There are more than 500 Traveler's Information Stations operating throughout the U.S. The Mackinac Bridge stations were installed in 1987 by Information Station Specialists in Zeeland, Michigan.

When you tune in the station at Mackinac, the announcer tells you about bridge conditions and whether the span is open given current weather. Reminders about speed limits, lane usage and tolls are given. Then the two chambers of commerce in the towns at each end of the bridge broadcast messages about things to see and do for travelers who will be stopping.

The Mackinac Bridge actually operates two stations, one is located on 530 KHz for northbound travelers and one on 1610 KHz for southbound.

MISA Newsletter -via Guy Kudlemeyer

Trenton, NJ Times -via John D. Bowker



ABIGAIL VAN BUREN

DEAR ABBY: Would you please do road travelers a favor by printing this as an open letter to disc jockeys everywhere?

"Dear Disc Jockey: We appreciate the information and entertainment you provide, but please, please tell us the city you are broadcasting from. Station call letters mean nothing to a stranger in your area, so we don't know whether you are in front or behind us. This can be very important when you are giving weather and road information; plus, you do a disservice to your advertisers, because many times we would have stopped to purchase the products or services they were selling — if only we knew where they were located!"

"We are retired and travel with an RV, so we are free to stop whenever and wherever we choose. There are literally thousands of us roaming the highways who are apt to stop for a day, week or month in your community if something strikes our fancy, and we always leave money behind! So, let us know where you are, and we may just stop by for a while."

Thanks, Abby, for printing this. — RUSS PEERY, HELENA, MONT.

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NO CASH \$1 DOWN— WEEKLY Terms as Low as



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18 Century Styling— Beautifully Matched Veneer

- 11 Tube—All Wave Radio
- Automatic Record Changer
- Plays 10 or 12-Inch Records

\$225

The advertisement for a combination radio and record player appeared in the Springfield Daily News in 1939.



Local radio station WBZ moved from its original location, the Westinghouse plant in East Springfield, to the Hotel Kimball in 1924. The station remained there until it closed in 1962. Photo courtesy of the Connecticut Valley Museum.

International DX Digest

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

Very little time for DXing this week, and only a few reports. All times UTC (MST-7). Please report in frequency order. Keep those loggings coming!

PAN-AMERICAN

690 MEXICO XECS, Manzanillo 0824 1/23. Fair-good w/ranchera and distinctive "La Grande de Manzanillo" jingles after almost every song, RIGHT THROUGH my 50 kW local XETRA! Wonder what their new power is? (ex-960 kHz) [TRH-CA]

690 MEXICO XETRA, Tijuana 0913 1/28 (MM). Off tonight, leaving only one or two Canadian stations, no KHEY or XECS tonight. [TRH-CA]

770 COLOMBIA HJXX, Bogota 0948 1/28 (MM). Lots of RCN network IDs by man. Nk and ads by man and woman, time pips and network ID/TC on the hour, into local ads for Bogota. Very good at times. KKBG off tonight. New. [TRH-CA]

780 VENEZUELA YVOD, San Cristobal 1013 1/28 (MM). Poor w/network nk (Noti-Rumbos?) w/"doorbell" chimes between each headline // 4980 SW. KROW off tonight. New. [TRH-CA]

840 HAIITI 4VEC, Cap Hatien 1044-1100 1/21. Using loop atop channel well above WHAS, but was clobbered at 1100 when SS speaker (Cuba) suddenly came on channel. Had been religious program in FF. Did not hear ID, but sure it was Haiti, report sent. [HH-MD]

890 MEXICO XEMZ, Culiacan 0900 1/22. These are apparently the correct calls (not XEMZM as I had reported). One announcer IDs as "XEMZ-AM" but doesn't pronounce the "A". [TRH-CA]

CONTRIBUTORS

[TRH-CA] Tim Hall, Chula Vista CA;
Sony ICF-2010, Radio West Loop

[HH-MD] Hank Holbrook, Dunkirk MD;
SP-600 w/Colegrove loop

NEW SOUNDS FROM LESOTHO

THE opening of the Lesotho transmitter could not come at a more auspicious time. Southern Africa is changing rapidly and this new spirit is reflected in an innovative range of programmes which can help to show a hitherto introspective community more of what is happening in the rest of its vast continent.

Equally important, it can help to show what southern Africans are saying about the rest of the world. "250 medium wave" will, hopes the BBC African Service, become a catchphrase for listeners.

In 1988 Lesotho was elected as being the best site, following painstaking research by both the Broadcast Coverage Department (BCD) and IBAR, World Service's International Broadcasting and Audience Research Department.

IBAR commissioned a local research consultancy to analyse the broadcast area, examining all aspects of the listening habits of the potential audience. It was discovered that medium wave would be the best way to reach the most homes.

Dennis Thompson recalls with a shudder a trip he made to Lesotho when the project was first mooted. "The flight went to Johannesburg and I had a few hours to kill at the airport. I got out my radio and tuned in to the spot on the medium wave band that had been earmarked for us."

Here Dennis gives an excellent imitation of the rhythmic thump of interference.

"I heard a loud pop station belting away right next door to where we had been allocated and I

knew it was going to interfere with us."

With a sinking heart, Dennis knew that they would have to return to the drawing board - and the United Nations - to get a new allocation on the medium wave.

"There was no way we could do this unless we did it properly, so we had to try again. I was on tenterhooks because, having made that

discovery, I had all the qualms about getting the next frequency cleared. "There is always time for competitors to lodge objections and it can all become a very protracted business."

Medium wave has the advantage of having one fixed point on the radio dial. It is a good quality, reliable signal, the coverage area of which increases from dusk to dawn (see map).

However, any broadcaster wishing to use the medium wave band has to get permission from the International Telecommunications Union, which is part of the United Nations. The procedure usually takes nine months but can be far longer if other broadcasters object.

As Dennis Thompson, head of BCD, explains, the region of southern Africa was always a tricky area for the engineers, because of its geographical location. "In order to get there from the UK or Cyprus, a short wave signal has to pass over the tropics and the equator, and in doing so picks up a lot of interference. We recently opened a short wave transmitter at Lesotho which improved our coverage, and now we're adding a medium wave transmitter which should help us to reach an even wider audience."

The building project is managed by BBC Transmission. It appointed contractors and supervised the installation. The transmitter in Lesotho took about nine months to build.

Keeping ahead in any sphere of radio broadcasting is a highly competitive business: audiences are asking for - and expecting - better quality reception.

Everything went according to plan. The MW allocation is even better and the African Service and everyone back at base in London is raring to go with programmes that will turn more radio dials to 250 medium wave (197kHz).

As Dorothy Greenfield Williams, head of the African Service, sums up: "This is an historic moment for the Service. We have wonderful programmes to offer the African audience."

"We know that for the most part the South Africans don't have the short wave habit, but now that we are going on to medium wave, we believe this is a great chance to build the sort of big reputation in the republic that we already have in the rest of the continent."

Vicky Payne -
London Calling
-via Brian Vernon

HEAR "AMERICA ON THE ROAD" EVERYWHERE

You can listen to AMERICA ON THE ROAD no matter where you are via the Mutual Broadcasting System. Here are just some of the great American radio stations where you can find us:



CITY, STATE	STATION	FREQ.	DAY(S)	TIME(S)
ANCHORAGE, AK	KENI	550	M-F	8:15 AM
BIRMINGHAM, AL	WERC	960	SAT	9:00 AM
DECATUR, AL	WAJF	1490	M-F	9:05 AM
FOLEY, AL	WHEP	1310	M-F	12:20 PM
PIEDMONT, AL	WPID	1280	M-F	2:30 PM
			SAT	10:05 AM
			SAT	6:00 AM
BENTON, AR	KBBA	690	M-F	6:45 PM
			SUN	11:00 AM
GLOBE, AZ	KYOR	1240	M-F	4:00 PM
			SUN	8:00 PM
PHOENIX, AZ	KTAR	620	SUN	8:00 PM
TUCSON, AZ	KNST	940	SAT	8:00 AM
FOWLER, CA	KRGO	1260	SAT	7:00 AM
LOS ANGELES, CA	KGIL	1460	SAT	7:00 AM
MERCED, CA	KYOS	1280	SAT	7:00 AM
MODESTO, CA	KASH	1400	SAT	7:00 AM
REDDING, CA	KQMS	1400	SAT	4:00 PM
SAN LUIS OBISPO, CA	KJDI	1030	SAT	8:00 AM
STOCKTON, CA	KWG	1450	SAT	7:00 AM
VENTURA, CA	KVEN	1450	SAT	3:05 PM
COLORADO SPRINGS, CO	KSSS	740	SAT	10:00 AM
			M-F	2:52 PM
			SAT	1:00 PM
PUEBLO, CO	KCSJ	690	SAT	5:08 AM
YUMA, CO	KJCO-FM	100.9	SUN	11:00 AM
NEW HAVEN, CT	WELI	960	SUN	7:05 AM
BUSHNELL, FL	WKFL	1170	M-F	11:05 AM
GAINESVILLE, FL	WGGG	1230	SAT	7:00 AM
LEESBURG, FL	WKIQ	1240	M-F	8:00 AM
NAPLES, FL	WNOG	1270	SAT	2:00 AM
OCALA, FL	WOCAL	1370	SAT	10:00 AM
ORLANDO, FL	WNNZ	740	SAT	7:00 AM
ALBRANY, GA	WALG	1590	SAT	11:00 AM
ATHENS, GA	WBKZ	880	M-F	8:35 AM
(Atlanta)			SAT	11:06 AM
GAINESVILLE, GA	WDUN	550	M-F	2:35 PM
HONOLULU, HI	KGU	760	M-F	12:15 PM
			SAT	2:00 PM
BURLINGTON, IA	KLPS	1340	M-F	5:35 PM
CLINTON, IA	KROS	1340	M-F	12:20 PM
DAVENPORT, IA	WOC	1420	SAT	6:05 AM
SPENCER, IA	KICD	1240	SUN	5:05 PM
BOISE, ID	KIDO	630	SAT	8:00 AM
ELGIN, IL	WRMN	1410	SAT	6:00 AM
HERRIN, IL	WJPF	1340	M-F	6:46 AM
			SAT	4:05 PM
MORRIS, IL (Chicago)	WCSJ	1550	M-F	1:00 PM
MORTON, IL	WTAZ-FM	102.3	SAT	6:05 AM
PRINCETON, IL	WZOE	1490	M-F	3:40 PM
SPRINGFIELD, IL	WTAX	1020	M-F	10:20 AM
FORT WAYNE, IN	WGL	1250	SAT	7:00 AM
INDEPENDENCE, KS	KIND	1010	M-F	4:48 PM
INDEPENDENCE, KS	KIND-FM	101.7	M-F	4:48 PM
MANHATTAN, KS	KMAN	1350	M-F	8:23 AM
TOPEKA, KS	KEWI	1440	M-F	7:20 AM
			SAT	6:05 AM
LEXINGTON, KY	WLXG	1300	SUN	10:00 AM
SLIDELL, LA (New Orleans)	WSLA	1560	M-F	4:05 PM
BOSTON, MA	WMEX	1150	SAT	9:05 AM
NEW BEDFORD, MA	WNBH	1340	SAT	9:05 AM
PORTLAND, ME	WGAN	560	SAT	7:00 AM
DETROIT, MI	WXYT	1480	SUN	6:00 AM
HARBOR SPRINGS, MI	WLTO-FM	103.9	SAT	8:00 AM
LANSING, MI	WJIM	1240	SAT	7:00 AM
AUSTIN, MN	KAUS	1480	M-F	12:25 PM
BUFFALO, MN	KRWC	1360	M-F	1:15 PM
CROOKSTON, MN	KROC	1280	M-F	10:25 AM
DULUTH, MN	WBOC	560	SAT	6:05 AM
COLUMBIA, MO	KFRU	1400	M-F	4:40 PM
			SUN	12:05 PM

FLAT RIVER, MO	KFMO	1240	SAT	6:05 AM
WARRENSBURG, MO	KOKO	1450	M-F	12:50 PM
HATTIESBURG, MS	WHSY	1230	M-F	10:07 AM
SPRINGFIELD, MO	KWTO	560	SAT	6:05 AM
KALISPELL, MT	KOFI	1180	M-F	3:30 PM
			SAT	5:00 AM
ABERDEEN, NC	WQNX	1350	M-F	6:40 AM
			SAT	7:05 AM
BEAUFORT, NC	WBTB	1400	SAT	7:05 AM
DURHAM, NC	WTIK	1310	SAT	11:05 AM
GOLDSBORO, NC	WGBR	1150	SAT	9:00 AM
GREENSBORO, NC	WKEW	1400	SAT	11:00 AM
GREENVILLE, NC	WNCT	1070	SAT	7:00 AM
WILMINGTON, NC	WAAV	980	M-F	8:15 AM
			SUN	5:00 PM
WINSTON-SALEM, NC	WSJS		SAT	7:00 AM
BELLEVUE, NE	KKAR	1180	SAT	11:00 AM
NORTH PLATTE, NE	KODY	1240	SAT	8:05 AM
SCOTTSBLUFF, NE	KNEB	960	SAT	5:05 AM
LACONIA, NH	WEMJ	1490	SAT	7:00 AM
NEWPORT, NH	WNTK	1010	SAT	7:05 AM
LAS CRUCES, NM	KOBE	1450	M-F	12:40 PM
			SAT	11:00 AM
LAS VEGAS, NV	KNUU	960	M-F	1:55 PM
			SAT	1:00 PM
RENO, NV	KHO	630	SUN	7:00 AM
AUBURN, NY	WAUB	1590	SAT	7:00 AM
CANANDAIGUA, NY	WCGR		SAT	7:00 AM
CORNING, NY	WCLI	1450	M-F	4:15 PM
			SAT	7:05 AM
MIDDLETOWN, NY	WALL	1340	SAT	11:00 AM
ROME, NY	WRNY	1350	M-F	4:04 PM
			SAT	7:05 AM
CHILLICOTHE, OH	WBEX	1490	M-F	4:15 PM
CLEVELAND, OH	WHK	1420	M-F	2:45 PM
			SAT	7:05 AM
HAMILTON, OH	WMOH	1450	SUN	4:00 PM
NEWARK, OH	WCLT	1430	SAT	9:00 AM
ENID, OK	KGWA	960	SAT	6:05 AM
PONCA CITY, OK (Oklahoma City)	WBBZ	1230	M-F	6:50 AM
KLAMATH FALLS, OR	KAGO	1150	SAT	8:05 AM
			M-F	3:56 PM
			SAT	4:00 PM
PORTLAND, OR	KXL	750	SAT	2:00 PM
HARRISBURG, PA	WHP	580	SAT	1:00 PM
PHILADELPHIA, PA	WIP	610	SAT	7:00 AM
STATE COLLEGE, PA	WMAJ	1450	M-F	6:42 AM
			SAT	2:00 PM
WILKES-BARRE, PA	WILK	980	SAT	11:05 AM
WILLIAMSPORT, PA	WRAK	1400	SAT	10:00 AM
CHARLESTON, SC	WTMA	1250	SAT	7:00 AM
CHATTANOOGA, TN	WGOW	1150	SAT	7:05 AM
CLARKSVILLE, TN	WCTZ	1550	SAT	7:05 AM
KNOXVILLE, TN	WUTK	850	M-F	7:05 AM
NASHVILLE, TN	WAMB	1160	M-F	4:10 PM
ABILENE, TX	KNTS		M-F	5:45 PM
			SAT	9:05 AM
AUSTIN, TX	KLBJ	590	SUN	NOON
EDINBURG, TX	KURY	710	SAT	10:05 AM
EL CAMPO, TX	KULP	1390	M-F	6:15 AM
NEW BRAUNFELS, TX	KGNB	1420	SAT	2:00 PM
LYNCHBURG, VA	WLVA	590	SAT	7:00 AM
RICHMOND, VA	WLEE	1480	SAT	7:00 AM
MIDDLEBURY, VT	WFAD	1490	M-F	6:57 AM
			SAT	11:05 AM
RUTLAND, VT	WSYB	1380	M-F	9:35 AM
KENNEWICK, WA	KTCR	1340	M-F	2:51 PM
			SAT	8:00 AM
SPOKANE, WA	KXLY	920	SUN	7:00 PM
VANCOUVER, WA	KMJK		M-F	6:08 AM
WASHINGTON, DC	WPGC		SAT	7:00 AM
OSKOSH, WI	WOSH	1490	SAT	11:00 AM
CHARLESTON, WV	WCAW	680	SAT	7:05 AM
MARTINSBURG, WV	WRNR	740	M-F	8:25 AM



NRC Ham List

Frederick R. Vobbe

706 MacKenzie
Lima, OH 45805-1835

A listing of radio amateurs interested in exchanging information on BCB DX'ing

Welcome to the first printing of The NRC Ham List. Six names are in the list, and if you are a ham radio operator, we want you listed. The list is being started from scratch, so if you are not on this list, send in your information.

The NRC Net appears on 3840 kHz, Sunday night around 21:00 EDT. You don't have to be a ham to listen! If you have a radio like a Sony ICF-2010, press in 3840, LSB/CW, and slow tune for best audio! If the frequency is busy with other traffic, tune up slightly.

Here is the way I am doing the NRC Ham List. The master list will be compiled on an IBM program called dBase III+. When submitting your data, I only have a certain length for each field. Why these lengths? Simply, Paul has criteria for page width, and number of characters. If too much info is submitted, it will appear cut off in the list. Spaces and punctuation count as characters. If you want to be in the HAM LIST, please fill out the form below. Do not send anyone else's name and info in. Let them do their own. When I get your information, I will send you one of my QSL cards to verify reception of your info.

The info will appear in DX News as space permits. Paul will be the sole judge of when it runs pending space for the column. If you have an IBM computer, (and have the dBase III+ program), you can send me a disk and I'll copy the .DBF and .PRN data to your disk. Also, this data will be on the Black Hole BBS for you to download at any time. The file will be in the NRC File area and is called NRCHAM.ZIP. If you are a paid member of the NRC, you can have free access to the BBS as a member, (\$28.00 value). As a member you get National Echomail, and all file areas. When you send in your info, please indicate if you would like to be added to the system. I'll write on the QSL card the phone number. Now, here is the form to use. Send it to the address above.

Name: _____ (20 Characters)
(IE: Frederick Vobbe or Mike Knitter)

Location/QTH: _____ (15 Characters)
(IE: Lima, OH or Montreal PQ)

Call Sign: _____ (10 Characters)
(IE: KB8BMQ or KB8BMQ/KT for interim call)

Bands Worked: _____ (20 Characters)
(IE: 10SSB & 80,40,10 CW or 80-10MA & 6.2 MTRS)
(Abbreviations: CW SSB AM FM, & MA denotes MODES ALL)

Class of License: _____ (5 Characters)
(Novice, Tech, General, Advanced or Extra)

Member's Name	QTH	Call Sign	Bands Worked	Class
Frederick R Vobbe	Lima OH	KB8BMQ	10SSB & 80,40,10 CW	Nov
Tom Lykins	Louisa KY	WB4RNU	3.96 7.284 146.73/94	Gen
Ed Best	Durham NC	AK4U	2 mtrs.	Ext
Tim Hendel	Miami FL	KC4BBI		Tec
John A. McCann	Fls Church VA	KW4U	2 mtrs & 440 MHz	Ext
Al Merriman	Annandale Md	K4GLU	CW HF & 3840NRC Net	Gen

Need more information about Medium Wave DX'ing?
Mail \$1.00 to NRC Publications - P. O. Box 164 - Mannsville, NY 13661-0164; ask for the Reprints Catalog.

by Bill Hale

One morning while driving to work at 4 AM (local), I happened across a fascinating program on KFON-1370 called **The Sports Final A.M.** The Sports Final has been mentioned a few times in DDXD loggings, so I thought I'd try to get a station list out of them for publication in **DX News**. I called their 800 number and spoke to **Bill Newell**, the anchor for the segment to which I usually listen. After sending them a sample copy of our magazine, I received a brochure detailing their all-night format, a Xerox of a **New York Times** article concerning XTRA's all-sports programming, and Bonanza!!; a list of their affiliates. **The Sports Final** is produced by Star Communications in Boston, MA. My thanks to Mr. Newell and Mr. Jason Wolfe, Executive Producer for providing the information contained herein. Several of the frequencies, call letters, and cities have been changed (from what appeared on the list) to reflect correct data. The list of stations is current through publication in **DX News**.

Following is **The Sports Final's** schedule, with a brief synopsis of each segment's programming. All times are Eastern.

- 11 P.M. - Midnight - **The Sports Final** - Wrap-up of sports scores, reports, interviews.
- Midnight - 2 A.M. - **Sports Final Talk** - Two anchors with listeners using an 800 number to talk with sports personalities, authors, and experts on various subjects such as wrestling, motor racing, card and memorabilia collecting, etc.
- 2 A.M. - 3 A.M. - **Sports Final Extra** - All the final scores, reports and commentaries.
- 3 A.M. - 5 A.M. - **Sports Final Trivia** - Listeners can play sports trivia and win prizes.
- 5 A.M. - 6 A.M. - **Sports Final A.M.** - Every morning a complete recap of the previous night's sports, plus news headlines, national weather forecasts, and business news headlines.

Stations can broadcast all of, or only the hours or segments desired. When DXing, be on the lookout for these stations broadcasting any or all of **The Sports Final**. It's a sports fan's delight.

540	WDXN	TN	Clarksville	1230	WGGG	FL	Gainesville
560	WQAM	FL	Miami		WFAS	NY	White Plains
	KLVI	TX	Beaumont		KKGR	OR	Gresham
570	WKYX	KY	Paducah		KEEE	TX	Nacodoches
	WVMI	MS	Biloxi		WJOY	VT	Burlington
580	WIBW	KS	Topeka	1240	KLOA	CA	Ridgecrest
	KCMS	OR	Ashland		WWNS	GA	Statesboro
590	KEZK	IL	Wood River		WBBW	OH	Youngstown
600	KTBB	TX	Tyler		WSKI	VT	Montpelier
610	WGIR	NH	Manchester	1250	WKBR	NH	Manchester
	WIP	PA	Philadelphia		WTMA	SC	Charleston
620	WTRP	GA	LaGrange	1270	WBZS	FL	Eatonville
	WZON	ME	Bangor		KPLY	NV	Sparks
640	WNNZ	MA	Westfield	1300	WLXG	KY	Lexington
	WWLS	OK	Norman	1320	WARA	MA	Attleboro
680	KNBR	CA	San Francisco	1330	WRCA	MA	Waltham
690	WPDQ	FL	Jacksonville		WEBO	NY	Owego
	XETRA	BCN	Tijuana	1340	WHPI	IL	Herrin
710	WKRQ	AL	Mobile		WHAP	VA	Hopewell
	KGNC	TX	Amarillo		KTCR	WA	Kennewick
740	KSSS	CO	Colorado Springs	1350	KSRO	CA	Santa Rosa
870	KROL	NV	East Las Vegas		WRNY	NY	Rome
910	WFNS	FL	Plant City	1360	KASH	CA	Modesto
	WJCW	TN	Johnson City		KSCJ	IA	Sioux City
920	WPTX	MD	Lexington Park	1370	KFON	TX	Rollingwood
930	WRVC	WV	Huntington	1390	WFBL	NY	Syracuse
960	WPCN	PA	Mount Pocono	1400	WNUE	FL	Fort Walton Beach
980	WSUB	CT	Groton		KAYS	KS	Hays
	WNRC	DC	Washington		WIDE	ME	Biddeford
	KMBZ	MO	Kansas City		WTSL	NH	Hanover
1020	WNTK	NH	Newport		WBTB	NC	Beaufort
1050	WPZA	MI	Ann Arbor	1410	KCOL	CO	Ft. Collins
1090	KYBG	CO	Denver	1420	WBRD	FL	Palmetto
1100	KVEE	CO	Grand Junction		KPEL	LA	Lafayette
1120	WBIS	CT	Bristol		WBEC	MA	Pittsfield
1150	KCKY	AZ	Coolidge	1440	KEYS	TX	Corpus Christi
1190	KYII	TX	Dallas		KDNT	TX	Denton
1200	WDCQ	FL	Pine Island Ctr.	1450	WMOH	OH	Hamilton
1220	WKNR	OH	Cleveland		WPSE	PA	Erie
					WGNS	TN	Murfreesboro



1460	WBET	MA	Brockton	1520	KFXK	OR	Oregon City
	WMBA	PA	Ambridge	1560	WLSA	LA	Slideell
	WCMB	PA	Harrisburg	1580	WAMJ	IN	South Bend
1470	KNTS	TX	Abilene	1590	WAUB	NY	Auburn
	WBKV	WI	West Bend		WEHH	NY	Elmira Heights
1480	WMAX	MI	Grand Rapids	92.1	KTOD	AR	Conway
1490	WHBB	AL	Selma	96.7	WTSB	VT	Brattleboro
	WGCH	CT	Greenwich	102.3	WTAZ	IL	Morton
	WHAU	MA	Haverhill		WAAQ	MI	Big Rapids

Sports-minded restaurateurs buy station

The Youngtown Vindicator
-via Jerry Starr

By Dan Pecchia

Vindicator business editor

Restaurateurs Ray Travaglini and Sandy Petruso have bought out a fledgling all-business radio station and intend to boost its sports programming in an effort to improve the fortunes of the enterprise.

Travaglini and Petruso, who are well known for a sports banquet they host annually at Mr. Anthony's in Boardman, paid \$30,000 to buy out Dr. Frederick D. Perry, the Warren podiatrist who formed station WFNV-AM 1330 in April.

"We're interested in sports, and that's one of the things that got us interested in radio," said Travaglini, who, with Petruso, operates area Perkins Family Restaurants.

Neither Travaglini nor Chris Travers, general manager of the station, would discuss their plans in detail. Travers said format changes would be announced at a news conference later.

The transaction caps what had been Dr. Perry's first foray into media. In April, he paid \$290,000 for the broadcast site and license formerly owned by WHOT-AM, which now operates at 1390-AM. Most of the purchase price was borrowed from WHOT and from another investor, Guy Cicchini.

The new station tried to establish a strong local complement to programming from the national Business Radio Network, but few advertisers have hopped aboard.

During the summer, a slow period for advertising, the station's continuing requirements for capital led Dr. Perry to seek partners. In July, he applied to federal regulators to bring in Travaglini and Petruso. According to the application, a copy of which was obtained by *The Vindicator*, the restaurateurs were to earn a 68 percent stake in the business by providing \$20,000 in working capital and paying off the \$40,000 loan from Cicchini, \$45,000 of the debt to WHOT and \$25,000 in unpaid bills.

But before the Federal Communications Commission could approve the deal, Dr. Perry filed an amended application that called for Travaglini and Petruso to buy him out altogether. The \$30,000 he received for his stock was about equal to what he invested in the first place, Dr. Perry said.

"The opportunity came and I decided to sell," he said. "It was taking a little bit more time than I was able to take away from my practice. It's going to be bigger and better now than what I'd be able to do with it."

The station has some sports programming now, including Penn State University football games on Saturdays. Travaglini said he and Dr. Perry had wanted to offer higher-profile sports events, but none were available.

He said the station has applied to change its call letters, the last three of which stand for "Financial News in the Valley," to WYWR, which would represent "Youngstown/Warren radio."

Travaglini said the change in call letters and the added emphasis on sports don't necessarily signal an abandoning of business programming. But "you can be boring if you're 100 percent business."

The station is still carrying \$180,000 in loans to WHOT, documents included with the application indicate.

ANA'S ATTRACTIONS

Since September 1989, ANA - the Arab Network of America Inc. - has been broadcasting to Washington DC metropolitan area on AM band 1030 KHz. One of the best attractions of ANA is that it transmits the BBC Arabic programmes from 1250 to 2000 UTC through fiber optic lines, which is an excellent source for hearing BBC News programmes.

Since the introduction of ANA, I lost my appetite and challenge in locating the BBC Arabic Service on my shortwave receiver.

FALEH R BADER, USA

David Buckley, Deputy Head of our Arabic Service, says:

You are very wise to swap unpredictable short-waves for reliable MW fibre optics. Particularly since the shortwaves in question are not really intended for reception in North America! We're pleased with the success of our co-operative venture with Arab Network of America and, as you imply, our news and current affairs programming is proving popular, not only among Arab diplomatic and business circles in the US capital.

London Calling
-via Brian Vernon

The Broadcaster's Guide to DX

A tri-fold guide for use with reception reports explaining DX'ing, how the NRC was formed, and the importance of QSL's to DX'ers. Versions also available in Spanish and French. US\$1.50 for 20. Available from NRC Publications.

NRC Stationery

Now only \$5.00 for 100 sheets ... including the NRC logo and header in black ink. Order today from NRC Publications.

MEMORIES

WMRE AM-1510

74 Lansdowne Street
Boston, MA 02215
(617) 267-1510

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.

Dave Schmidt
P. O. Box 11502
Wilmington, DE 19850-3516
Times are local per Muse.

ERNEST COOPER - 5 ANTHONY STREET - PROVINCETOWN, MA 02657

Two more veries crept in to this outpost: WFXA-1550 & WEAZ-560, both v/1, bringing my overall AM total to 4,375 in 58 years of DXing. I have been using envelopes enclosed with my electric and telephone bills for letters to other places, but recycling of them is not possible any longer. My last Musing to Dave landed at Commonwealth Electric in New Bedford, MA and they called me, told me they had this letter and asked me what to do with it. I asked them to return it to me, which they did and I then sent it to Dave in another envelope. Seems these envelopes with computerized do-dads on the bottom of the face of the envelope direct the mail to a fixed location, regardless of what address my be written on the face of the envelope! Isn't science marvelous? Imagine - electronic mail sorting - should really speed things up, eh? But it still takes 3 days for a letter to get from here to Brooklyn! In the late 30's and 40's, mail from Buffalo NY to NYC took one day, now, I'll bet, it takes at least 2 or 3 days. And if there is a holiday in there, add an extra day to delivery time. So the new postal rate will cure this? Sure, and the Houston Astros will meet the Seattle Mariners in the '91 World Series! Some DX here: With the start of the Bush-Hussein War came an operation of the CBC EE network with news and mostly classical music during the wee hours. One heard here are CBT-540, CBN-640, CBL-740, CBM-940, CBA-1070 and CBE-1550, none needed. Correcting info in DDXD, WPAD-1560 is on til 2A, not 1A and carries only Larry King's 1st half only. 1/23 Unn WNLK-1350 has joined the ranks of the ANs with NOS music. Sat. 1/26 SS atop 1590 this time whereas they're usually way down in the pack and a good clear ID at 3:01A followed by a bilingual plug praising the US Postal Service. But the 'Capital Radio' IDs I heard a couple of months back were not coming from WOXK but from XEVOZ says Tim Hall of Chula Vista, who had just returned from a trip to Mexico. So, it takes some careful listening to figure out which one you're hearing, particularly if your not fluent in Spanish, like me. Tue. 1/29 a report to WNEZ-910 to beat the 4¢ postage hike. Since 1/17, my dear old buzz has returned, starting about 15 to 30 minutes before the street lights come on. Forward - March!

RICK DAU - 401 EMERALD STREET - APT. #E9 - IOWA CITY, IA 52246

First of all, Happy New Year to everyone! I hope '91 is treating you fine so far. Secondly, please note the new address. I moved here on 1/10, now located about 1 1/2 miles from Kinnick Stadium, but, unfortunately, it's also about a mile from WSUI-910's 3 tower set up. This ruins 900 & 920 for me. Since I've been here, I've noticed that KXIC-800 has a spur on 1020 and that 1510 is ruined by a mixing spur of WSUI and WMT (which is about 25 miles from here!). (KXIC on 1020 figures: 910 (WSUI) minus 800 (KXIC) = 110 plus 910 = 1020, the 1510 may be a mixing product problem of the IF section in your receiver). I never really noticed these two things when I was DXing here in 87-88, probably because I was using a different radio. I celebrated my 26th birthday on 1/18 by logging WDSM-710 at 3:30P w/CW music, ID, ad. Some leftovers from '90: 1/12 I zipped thru Dubuque and had a brief but good tour of KDTH-1370. Calls stand for Dubuque Telegraph Herald whose offices are right across the street. On 1/15, I drove out to KCJJ-1560 just S of IA City. While I was snapping a couple of photos of the xmtr & studio, VP Cordell Braverman drove up, and being in a gracious mood, gave me an impromptu tour of the station. A few hours later, I was in Rock Island, IL, where CE Steve Anthony gave me a good look-see at WKBF's satellite CW operation. The year wound up at The Farm with 1065 heard and 8 more after New Years Day before moving here. The first few months at my new locale should be productive. 73 to all!

MIKE HARDESTER - PO BOX 8159 - CAMP LEJEUNE, NC 28542-8159

Greetings! It's interesting to note where DX related information will turn up. With retirement from the Navy 'only' a couple of years away, my wife & I were reading information relating to ID and the following was noted in the 11/90 issue of 'Canyon County Employment': "New Radio Station for McCall - Idaho Heartland Broadcasting, Inc. recently went on the air with KMCL FM at 101.1 mhrz (sic). The firm employs 4 persons currently and could increase staff if their plans for an AM station get approval and a license." A check of the NRC LOG shows KZID-1240 McCall "Silent 12/88". Wonder if they're trying to buy the KZID license or start a completely new operation? I haven't had time to read DX bulletins regularly so no idea if they've succeeded in obtaining a license. All for now, very 73 & best of DX!

KEN MACHARG - HCJB - BOX 553000 - OPA LOCA, FL 33055-0401

Somehow in my wanderings over the face of the earth, I missed out on the call for Muses from members in Broadcasting. Currently, I am an English Language Service program producer for HCJB in Ecuador. I suppose I have loved radio since I was a small child growing up in Detroit. 2 outstanding memories are of visiting WJR for a live music program when I was about 10 years old and the opportunity to meet Brace Beemer who played the Lone Ranger on radio. He lived right next to a camp I attended and would come over and tell campfire stories. DXing began as a child with a small portable radio which I would use to pull in stations in Cleveland, St. Louis, Cincinnati, Chicago, etc. Later when my dad was given a Zenith Transoceanic Radio, the shortwave bug bit and I have continued an interest in SW & MW all through the years. When I returned to the US 15 years ago from a time in Panama, I had the opportunity to work part time at WXVW in Jeffersonville, IN (a suburb of Louisville) where I held down the Sunday evening shift for 9 1/2 years, plus doing news, remotes, election returns, production, etc. During that time, I also did a few years at WDCS in New Albany, IN when it was an all news format. Then in the year or so before our move to Ecuador,

I did some occasional talk show hosting for WHAS. I guess I didn't get into the collecting of MW confirmations until the past year (I have a large collection of SW QSLs). Now, however, here in Panama, I have a Radio West Loop to add to my Sony 2010 & my Hammerlund SP600. While we were in Language School in Costa Rica, I did a lot of US DXing with confirmations still coming in. Soon I hope to get settled into our apartment here in Quito and to get the MW DXing going seriously. Meanwhile, I invite all NRC members to switch over to the SW bands on occasion and tune in HCJB (15155 & 9745 at night) and give us a listen. The Voice of America recently recognized our extensive efforts to cover events in the Persian Gulf. One last thing, I would like to hear from anyone who has tapes of old time radio or more current programs such as Mystery Theater or the old Mutual Radio Theater. I enjoy the tapes as alternative listening here and can provide cassettes to anyone who would be will to make some dubs for me. (Another address for Ken is HCJB, Casilla 691, Quito, Ecuador. Better late than never, Ken, for your broadcasters Muse! Thanks!-DWS)

GERRY THOMAS - 3635 CHASTAIN WAY - PENSACOLA, FL 32504

Another local radio station has changed its calls & format. Local WPFA has changed to WSWL (no, I don't know if the owner, Don Schroeder, is an avid SWL, he said in the local paper that he just liked the sound of it!). Format has (thankfully) changed from contemporary Christian to continuous CNN news. This is great for me because I happen to be a news junkie. The format change was not slated to happen until Feb. but because of the Gulf War, the owner said he immediately changed the format. The owner also said they would be going NSP (instead of their usual 10P s/Off) and they have, but their power reduction at sunset renders them virtually inaudible even in metropolitan Pensacola (thereby allowing adjacent channels to remain DXable). Speaking of DX, this has been the wettest Jan. on record in Pensacola (14" of rain instead of the normal 4"), unfortunately the rain has been accompanied by thunderstorms and the resulting QRN has made DX a problem. Not much MW DX going on here due to my monitoring the military UTEs on SW during the Gulf War, heard a Saudi pilot excitedly report being hit by anti-aircraft ordnance the other day - wild stuff! Finally, I added a modem to my computer and am in the midst of trying several on-line services (CompuServe & Genie), pretty disappointing so far. The level of radio expertise I've encountered is pretty low, maybe I'm looking in the wrong places. Anyone know of a good radio/electronics/DX bulletin board? That's it from here. 73's Oh, one more thing. I'm hearing a "Causeway Information Radio" on 1610 under Anguilla and suspect it's from the Courtney Campbell Causeway down in Tampa/Clearwater, can anyone in Central FL provide some info? Thanks.

César Obijo - Calle Enrique Henríquez 69 - Santo Domingo, Dominican Republic

I have a publication to offer to all our listeners. It is a booklet with all Dominican radio stations with a complete list of FM stations, another list of AM stations, and another one of SW stations, only that most of them are off the air. This includes frequencies, call letters, names, owner, addresses, cities, and telephone numbers (sorry, no powers). There is also a list of TV stations in the country. It is a nice printed publication (not mimeo or photocopied) with 66 pages full of information about radio and TV stations and others. Newspaper publicity agencies and Code of Publicity in the Dominican Republic. But sad to say, it is all written in Spanish. It will be delivered by air mail and registered post to everyone. Price will be: one for \$10 and two for \$15. How to order? Please send cash in an envelope inside a folded card, just like a Christmas card, so that it won't show through the envelope, and please do not register it, if you do there is a possibility that our "honest" postal employees will suspect there is something valuable inside and will try to take a look. (Indeed - that, no doubt, is what happened to the two cassettes I sent César a year ago, and still haven't recovered, in spite of registering the package -pls) This way they will think it is just a letter or a postal card and I'll receive it. This is the way I received the orders for the Merengue tape and no losses; so far everybody is satisfied, with the exception of some "registered mail", just imagine that. Well, I hope some of you will be interested and place your order. This is my only way of getting dollars in this country. Thank you very much, gentlemen.

DAVE SCHMIDT - PO BOX 11502 - WILMINGTON, DE 19850

Big thanks to all for their reports, looks like the column is getting back to an even level of reports each week. It looks like we've added WASA-1330 as another for contract engineering services this month, which works out fine since I'm also taking care of WXXY-103.7 in the same town. If your hearing Spanish on 1020, it's WIBG Ocean City, NJ. They evidently dropped the Visitor Info. Radio format at the end of the summer. They are owned by the same company which owns WREY-1440 and, I believe the studios for WIBG are at the WREY location. 73's!

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A listing of verification letter signers, contributed by NRC members

Freq.	Call	Verie Signer	Contributer	1440	KDNTI	Brian Gann OpM	PT
540	CJSBI	Jeff Ruck CE	RT	1440	WDOWLz	Dean Bussler GM	BW
570	KGRTPlu	Douglas L. Hanz CE	TH	1440	WHISqu	U/U	BW
580	KJBXlb	Lyn Michaels PD	TH	1470	KHNDLz	Rusty Nichols PD	WH
590	WOWq	U/U CE	PT	1480	WBTStu	Mark A. Glenn	KJ
650	WKKQrmbz	U/U	HF	1500	WCHMI	James R. Dillard E	RT
650	WSMqlmbu	Tom Bryant ProdM	TH	1510	KIDZI	Ed Treese COP	OW
670	WIEZlu	David N. Supplee CE	KJ	1520	WMLMlz	Greg Siefker	HF
670	WMAQq	Margaret Bryant EM	PT	1530	KHATim	R.M. Simonson CE	PT
690	WVOKl	Roger A. Parker CE	GH	1540	WBINI	Andrew Bell M	KJ
690	WZAPlmz	John J. Faniola CE	HF	1540	WNRElu	Jeff Baer PD	KJ
720	WWillu	Carl C. Kuehn CE	KJ	1560	KKAAbLu	Dick Feist SlsSu	BW
740	KTRHq	Errol R. Coker CE	BW	1560	WCDNlb	U/U	RT
740	WIRJl	R.S. Little Jr	HF	1580	KNIMC	U/U	BW
760	WJRq	Ed Buterbaugh DoE	PT	1580	KWYDI	Jody Esler AM	SD
760	WJRq	Gary Berkowitz OpM	PT	1590	WTVBI	Garry B. Mallernee P/GM	KJ
770	KATLlb	Renita Schepeler Secy/Trf	TH	1590	WZRxf	U/U	PT
790	KOQOlbU	Ed Prince P/GM	OW	1600	KRXYl	Girard M. Westerberg TD	TH
840	KWPNrz	David M. Kelly GM	HF	1600	WCGOl	Anthony Santucci GM	HF
850	CKBAI	Ian Glen NxA	WM	Contributors ...			
850	WKIXl	Jon Hardee CE	RT	0W	John Wilkins		CO
850	WNISI	Pat Murphy OpM	KJ	BW	Bob Walker		MI
870	CKIRlz	Gary Hazell CE (Via CKXR-580)	OW	GH	Gary Houdek		KS
870	WFLOl	Eugene A. Eike GM	KJ	HF	Harold Frodge		MI
870	WHCUf	Joseph Scaglione COP	KJ	KJ	Karl Jeter		GA
900	WSEAlu	Wayne Cannon M	BW	PT	Phil Tallman		OK
920	WBAAHh	David Bunte	BW	RT	Robert Tiara		NC
930	WJBYlmb	Joyce Henderson OfM	RT	SD	Skip Dabelstein		KS
980	KMBRlm	Richard Myers DoE	PT	TH	Tim Hall		CA
990	CBWl	Sandra McDonald E	PT	WH	Wayne Heinen		CO
1050	KORElb	Larry Knight M	TH	WM	William Moser		SD
1120	WYGOL	Tom McAfee GM	RT	Bill Moser up in South Dakota recently received some info on the North Central Alberta Network. Seems the v/s Ian Glen, the morning news anchor man for the net, enjoys answering DX'ers letters. He also has a hobby that DX'ers can help him with. He collects post cards. So, anyone who is fortunate enough to hear any of the Network stations can send a report to Ian and if you care to help him in HIS hobby. Just include a Postcard for his collection. He's at flagship station CFOK-1370, BOX 1800, Westlock, AB T0G 2L0. Others in the chain are CKBA-850, CKVH-1020, CKWA-1210, CILW-1230, CHLW-1310, CHLW-1-1340, CJOI-1440. My thanks to Bill for passing the info along. -Wayne			
1140	KLTKr	Gene Humphries GM	SD	<div data-bbox="541 1236 960 1484" data-label="Complex-Block"> <p>Genuine souvenirs of the '90 convention: a yellow 1x2.5 foot pennant plus a plastic white print</p>  <p>on black folder, with a pad of ruled 8.5 x 11 inch paper: US \$10; \$11 to Canada; others: write. Hurry - order from NRC Publications.</p> </div>			
1140	WRVAq	Bob Jones GM	PT				
1170	KUGTI	Barbara England GM	SD				
1190	KJEMl	Elvis Moody GM	SD				
1190	KORGlmz	Gary Belzman CE	DW				
1190	KVSVI	U/U GM	PT				
1190	KVSVI	Charles Frodsham	SD				
1190	KWMBI	Carol Tentis OfM	SD				
1190	KXKSI	Robert Henry T	SD				
1190	WBSLI	Dominic Mitchum CE	SD				
1250	KCFil	Ronald Carleton OpM	SD				
1300	KAKCI	Steve Davis CE	PT				
1300	KBRLrmbz	Ron Crowe O/M	OW				
1310	KAAMqm	Hue Beavers CE	PT				
1340	KHUBrb	Fred Pyle GM	WH				
1340	KNHNlz	Bill R. Johnson GM	WH/OW				
1340	KSILl	Bobby Reed DJ	TH				
1350	KCHKlbz	Dave Ernewein COP	OW				
1360	KSPGI	Eric Taylor A	SD				
1360	WFLWl	Allen L. Stockton	BW				
1360	WKMIrb	Dave Hicks GM	HF				
1360	WSAIf	Ray Winters CE	HF				
1410	KRILl	Wendy A. Barnes TrfM	TH				
1420	WADXu	June Pike OpM	KJ				
1420	WVJSIbuz	Michael Fleming DoE	BW				

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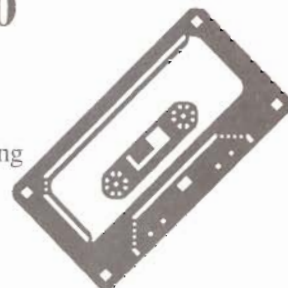
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