

DX News

• Serving DX'ers since 1933 •

Volume 60, No. 7 - November 23, 1992 (ISSN 0737-1659)



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CPC Test Calendar

Call	Freq	Date	EST Time
KNAK	540	Nov. 23, 1992	0200-0230
WSMI	1540	Nov. 28, 1992	0030-0100
WMA	1150	Nov. 28, 1992	0030-0100
KCNO	570	Nov. 30, 1992	0330-0400
WRIX	1020	Dec. 7, 1992	0200-0300
WMAM	570	Dec. 7, 1992	0200-0400

WRIX-1020 - Watson Village - Anderson, SC 29624 will conduct a DX test from 2:00-3:00 am EST Monday, December 7. The test will include Morse code, voice ID's, and an unspecified selection of music. Reception reports may be sent to Mr. John Woodson, Program Director. Arranged by J. D. Stephens for the IRCA CPC.

WMAM-570 - P. O. Box 609 - Marinette, WI 54143 will conduct a DX test Monday, December 7, from 2:00 am to 4:00 am EST. The test will include Morse code ID's. Reports may be sent to Mr. Dave Scott, Operations Manager. Arranged by the National Radio Club CPC.

From the Publisher ... DXN #6 went into the mail Saturday, November 14, which would account for your receiving it a day late. A big thanks to Thirty-fingers, aka Shontel McGee, Sondra Hancy, and Tobias Windham, the trio who normally only prepare DXN for mailing, but this time had to pick it up from the printer and get it to the post office while I was out of town.

With luck, #8, which goes out around Thanksgiving, will be in my hands early; if so, it will go out until Monday, November 30. Last year's issue went out late, and several copies disappeared into a USPS black home somewhere ...

Jerry Starr left a message that "AM Switch" would not appear in this issue; look for it to return to next week's DXN.

Logbook ... Keep those corrections coming to the NRC AM Logbook. You can mail status changes directly to Jerry Starr for "AM Switch", or other corrections directly to Wayne Heinen - 4131 S. Andes Way - Aurora CO 80013-3831.

Column Editors ... For those of you who send contributions via MS-DOS-formatted disks, you'll be glad to know that you can now use tabs and foreign characters. The "translator" will translate more than two spaces to a tab, and foreign characters (letters with accents and tildes, for example, such as Nuñez, São, Guantánamo, vergüenza, and even â, ø, œ, ç, è, etc.) will print out as two characters, which I'll then use the word processor's find-and-r eplace function to change. This will cut down on your expenses, as you'll no longer have to mail a print-out marked with the necessary diacritical marks. Questions? Direct them to Topeka! 73.

DX Time Machine

From the pages of DX News:

50 years ago ... from the Nov. 21, 1942 *DXN*: It was reported that KXEL's GM has decided to sign off daily at 1:00 am, EWT, so as to conserve tubes and equipment under the present wartime conditions. As a result, the recently-inaugurated DX program has been curtailed.

25 years ago ... from the November 25, 1967 *DXN*: First-time Muser Stuart Zipper, a high-school junior introduced himself, noting that his DX was captured on a Zenith clock radio ... Richard Coday, Oildale, CA wondered why DXN couldn't classify domestic stations as good, fair, or poor verifiers, but Ernie Cooper noted that such a list would amount to a black list, which could lead to reprisals against the NRC by radio stations.

10 years ago ... from the November 22, 1982 *DXN*: William Marvin, Superior, WI bagged his first TA: 1314-Kvitsoy, Norway ... listed as "Verifying All Continents" in IDXA were Hank Holbrook, MD; Roger Anderson, VA; Ray Crawford, NZ; Ben Dangerfield, PA; and Hilding Gustafson, FL. Hank's best SA catch was 1270 - ZYB-5, Natal, Brazil, at one kW ... John Rieger reviewed the new ICOM IC-R70 ... all mention of pirates in DXN was banned after research by John Kapinos, who was of the opinion that the FCC might take action against anyone who publicized a pirate station via a charge of conspiracy.

Domestic DX Digest

North: Bill Hale

495 Creekview Drive - Meridian, ID 83642-3241

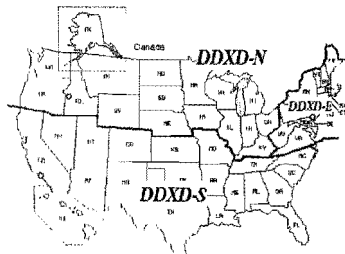
South: Duncan Shaw

3131 S. McClintock B111 - Los Angeles, CA 90007

East: Dave Braun

11 Mill Bend Acres - Wyoming, DE 19934-9523

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



DDXD-North

MEDIUM WAVE RAMBLINGS

- A pretty good cross section of DX activities this week. I hope things are picking up for all of you (especially new members!), and you'll be reporting what you've heard pronto.
- Thanks to **Mark Hattam** from England and **Fred Tankersley** of Prescott, Arizona for phone calls this week. Great to hear from you guys!
- **Mike Sanburn** of Bellflower, California checks in with his Graveyard accomplishments. And, among them are several new records.
- The phone number here is 208-888-7398. Call 'tween 6 and 10 PM Mountain Time. Or leave a message on FidoNet 1:347/17. Lotsa good stuff in the Broadcast area!

SPECIAL

- 640 WBOW IN Terre Haute - 10/27 0725-0800** - With full service MoR, many HDs, mentions of *Wabash Valley*, *Indiana University* football, satellite weather, gave telephone number which I didn't copy. Really dominates. 1st time heard. Ex:1230. ?? power. (KO-IL) [The new NRC AM Radio Log says the facilities for this guy is: U2 250 250 - Ed.]
- 1040 CFZZ PQ St-Jean-sur-Richelieu - Left the AM band for good 10/31** and onto FM at 104.1 (*ZED-104* in FF) keeping the same legal ID. Formally CHRS-1090 as a daytimer, and now 1040 as a fulltimer. Was simulcasting from (when 1st hrd 10/16) 'til the end of October. This has been a real pest for me, killing WHO and forcing a null for WBZ-1030, WEVD and CHUM-1050. You'll be hearing of many more Canadian AMers pulling this stunt as the CRTC has approved a large group of transfers -- most will be LPRTs and low power, but there are 3 or 4 significant stations in the batch. (DE-PQ)
- 1130 WWWW MI Detroit - 10/28 0649** - Good with *W4 Country* ID, TC, local news, *W4 Metro Traffic Reports*, *W4 Weather* and *Our call letters are easy to remember because they are all W's*, *WWWW W4 Country 106.7*. New for me. (SA-MB)

UNIDs and UNID HELP

- 630 UNID ?? - 10/25 0105** - Very poor with American rock music by SS talk. Briefly under CKRC. (NDDXP) [A little cryptic, there Shawn - Ed.]
- 670 UNID ?? - 10/25 2208** - Poor with World Series game in SS. Best on south wire. WWFE? Under WMAQ. (NDDXP)

DX AND EQUIPMENT TESTS

- 1360 WLYN MA Lynn - 10/26 0345** - Only KKB. No test heard. (SA-MB)

- 1540 WSMI IL Litchfield - 10/28 0100-0130** - Heard rapid-fire CIDs, good through a solid KXEL until 0102. C'mon guys, slow it down for those of us who aren't HAMs. (JL-OH)

TAS & BEACON STUFF

- 513 PP NE Omaha - 10/24 2325** - Good with beacon stuff. (NDDXP)
- 524 VOC IA Iowa City - 10/24 2148** - Fair with beacon stuff. (NDDXP)
- 530 WMFX653 KY Cave City - With info for Mammoth Cave National Park.** (DT-KY via Jerry Starr)
- WNWN881 ND Fargo - 10/25 0830** - Good with info on Fargo-Moorhead, construction on I-94, Bonanzaville Park. *WNWN881 is operated by Cass County Historical Society for the benefit of highway travelers in the Fargo, West Fargo area.* 1st time ever heard. (NDDXP)

WIERDNESS

AM 1190 **WENJ**
CHRISTIAN MEDIA
OF FUEBTO RICO, INC.

- 1619.7 KVGB KS Great Bend - 10/24 1938** - Good with *KVGB* ID, C&W music. In strong with some XERI splatter. (NDDXP)
- 1649.4 KVGB KS Great Bend - 10/24 1942** - Fair with spur (again!!) Hope they clean up soon. (NDDXP)

MIDNIGHT TO 0800 HOURS ELT

- 590 WKZO MI Kalamazoo - 10/17 0649** - Fair with mention of Kalamazoo in an ad - *TV 3 Weather*. (RD-IA)
- 710 WTPR TN Paris - 10/24 0720** - Fair w/*Seven-Ten WTPR* heard in mess. (RD-IA)
- 780 WJAG NE Norfolk - 10/24 0759** - Good with *WJAG Norfolk* ID suddenly heard under WBBM. (RD-IA)
- 950 CFAM MB Altona - 10/17 0613** - Good with *CLA* music || *CJRB-1220* and *CHSM-1250*. (RD-IA)
- 1040 CFZZ PQ St. Jean sur Richelieu - 10/23 0249** - Fair with FF talk noted between AC songs; WHO completely off, which happens about as often as Iowa goes to the Rose Bowl, hi. (RD-IA) [Is that how they schedule their SPs? hi hi - Ed.]
- 1150 WXKO GA Fort Valley - 10/14 0653** - Good with *GOS* music and Georgia State Net news. (RD-IA)
- 1260 KTTS MO Springfield - 10/25 0643** - Good with *KTTS* IDs, *The Ranch* non-ID, sports and local ads. (NDDXP)
- 1280 WKST PA New Castle - 10/4 0459** - Fair with *WKST Contest* promo. (MS-ON)
- 1300 KGLO IA Mason City - 10/25 0540** - Good with *This is KGLO Overnight*, CNN Sports, weather. Now 24 hours! (NDDXP)
- 1360 KSCJ IA Sioux City - 11/1 0745** - Good with CNN Headline News programming, ID at 0800. No longer NBC. (SA-MB)
- 1440 WMAX MI Bay City - 10/20 0251** - Fair with CNN Headline News and ad for a business in Saginaw. (RD-IA)
- WMKM MI Inkster - 10/20 0225** - Good w/UC music & ID by female DJ. (RD-IA)
- 1590 KDJS MN Willmar - 10/14 0659** - Fair w/SSB and detailed sign-on info. (RD-IA)

0800 TO 1600 HOURS ELT

- 920 WBAA IN West Lafayette - 10/14 0805** - Fair with end of *Monitor Radio* news from American Public Radio -> weather for West Lafayette. Splatter from WSUI made this a challenge. (RD-IA)

- 1050 **KMBA** NM Los Ranchos de Albuquerque - 10/22 0827 - Good with Business Radio Net programming & mention of *KMBA*. (RD-IA)
KGTO OK Tulsa - 10/22 0829 - Good with *KGTO News Update*. (RD-IA)
 1240 **WSDR** IL Sterling - 10/18 1530 - Fair with *Chicago Bears* football. WTAX made this channel a dogfight at times. (RD-IL)
 1470 **KGNG** MO Brookfield - 10/14 0824 - Good with local announcements on *Community Calendar*. (RD-IA)

1600 TO 2400 HOURS ELT

- 620 **KWFT** TX Wichita Falls - 10/20 2006 - Fair with start of *Dallas Cowboys* football show, then gone suddenly after late pattern change. (RD-IA)
 730 **KSUD** AR West Memphis - 10/20 2143 - Good with ID: *Memphis' first 24 hour Christian music station, KSUD*. (RD-IA)
 790 **WETB** TN Johnson City - 10/20 2059 - Faint with *WETB Johnson City* ID right before the top of the hour. My 800th station at this QTH. (RD-IA)
 830 **KBOA** MO Kennett - 10/24 1905 - Poor with local ads into light rock music. Under WCCO. (NDDXP)
KUYO WY Evansville - 10/24 1910 - Fair with C&W music, *KUYO* IDs. Up, over KBOA, but under WCCO. (NDDXP)
 950 **KMTX** MT Helena - 10/24 1919 - Fair with local ads for Helena and Montana into EZL music. (NDDXP)
 1010 **KKGZ** CO Brush - 10/20 2025 - Good with *Travis Tritt* song on the *Colorado Farm & Ranch Radio Network*. (RD-IA)
 1110 **CKTY** ON Sarnia - 10/28 2057 - Loud here in Montreal . . . unusual as WBT dominates here. Power increase? ID into Standard Broadcast News at 2100. This was noted by *Jeff Kitzze-VA* in Issues 2 and 3. Appears to be wide area transmission. (DE-PQ) [May have been still on day power/pattern as night pattern (due north out of Sarnia) doesn't favor you at all - Ed.]
 1150 **CKX** MB Brandon - 10/29 2017 - XLNT with *Classic hits and today's Hot Country CKX* → C&W and oldies mix. Not AOR as Log. (SA-MB)
 1160 **WJJD** IL Chicago - 10/28 2040 - Never received this legend in Montreal before. Great signal with ad for *Stepfather II* and into *Ames Brothers* song, *Sentimental Me*. IDs after each song. Log sez 5 kw nights. (DE-PQ)
 1250 **WGHB** NC Farmville - 10/28 2030 - Out of crowd with two clear IDs after one REL program and another. 2500 watts . . . 1st-timer. (DE-PQ)
 1260 **WNDR** NY Syracuse - 10/28 2025 - ID between songs by *Clint Black* and *Lori Morgan*. Only 225 miles away, but frequency always dominated by *WEZE-MA* here. (DE-PQ)
 1310 **WIBA** WI Madison - 10/28 2000 - 1310 *WIBA Madison*, then into news. Loud, wiping out nearby *CIWW-ON*, but faded at 2005. first-timer. (DE-PQ)
 1320 **KCNR** UT Salt Lake City - 10/29 2100 - Good with CNN News programs, weather for Utah, Washington and Idaho. New for me. (SA-MB)
 1330 **WEYZ** PA Eric - 10/28 1957 - *Your music is on 1330 - WEYZ*. Loud and clear. (DE-PQ)
 1360 **WDRC** CT Hartford - 10/28 1950 - Strong signal with *AM Stereo, WDRC 1360* sandwiched between *Louis Armstrong* and *Eddie Fisher*. [That's quite a sandwich, hi - Ed.] First time - - frequency usually a jungle. (DE-PQ)
 1390 **KCRC** OK Enid - 10/16 2232 - Fair with conclusion of *Moore vs Enid HS* football game. (RD-IA)
 1400 **CJFP** PQ Riviere du Loup - 10/8 1944 - Fair with *CJFP Telemedia* promos, FF talk. (MS-ON)
 1450 **WMOC** TN Chattanooga - 10/20 2159 - Heard faintly with brief ID as *1450 WMOC*. (RD-IA)

- 1450 **WPSE** PA Eric - 10/5 1854 - Fair with promo for National League baseball championship series . . . *right here on WPSE*. (MS-ON)
KFIZ WI Fond du Lac - 10/21 2259 - Atop with clear ID: *This is KFIZ 1450, Fond Du Lac, the one you can depend on 24 hours-a-day*. (RD-IA)
 1490 **KTTR** MO Rolla - 10/16 2027 - Atop with high school football pregame show. (RD-IA)
 1490 **WUSS** NJ Atlantic City - 10/10 1858 - Fair with Top 25 countdown on *The station you enjoy, Jams 1490*. Mention of Atlantic City Boardwalk. Slogan agrees with Log -last year's edition- don't have new one yet. (MS-ON) [The new one (25th Anniversary Edition) doesn't list that as a slogan, but imagine it's the same - Ed.]
WNBT PA Wellsboro - 10/6 2000 - Fair with rock music, ID as *WNBT AM & FM Wellsboro*. News, local weather, then FM-only ID as *104.5 WNBT*. (MS-ON)
 1500 **KSTP** MN St. Paul - 10/28 1825 - Difficult, but persisted for ID during talk show with woman host talking about Reaganomics. First time as *WTOP-DC* sits heavily on 1500 in Montreal. (DE-PQ)
 1510 **WLAC** TN Nashville - 10/28 1809 - First timer (frequency covered by *WSSH-MA* and *CJRS-PQ* here) with ID, traffic report and *Accu-Weather*. 71 degrees and back into sports-talk. (DE-PQ)
WAUK WI Waukesha - 10/28 1811 - ID *WAUK Country*, songs by *Clint Travis* and *Randy Travis*. I consider this a catch as 1510 is "Land of the Giants" here. Log sez 500 watts. Time would be about LSS (5:11 local). Maybe still on day power. (DE-PQ)
 1540 **WMYF** NH Exeter - 10/28 1700 - ID, then songs by *Streisand* and *Stevie Wonder*. Fighting hard with permanent residents *CHIN-OH* and *WPTR-NY*. (DE-PQ)
 1550 **KRGX** UT West Valley City - 10/29 2030 - Good with SS ID *KC Double Q* → Mexican music. Big on the echo mike talk. First time heard. Ex: *KZQQ*, *KRGO*, *KPRN*. (SA-MB)
 1570 **CHLO** ON St. Thomas - 10/6 1858 - Fair with instrumental music, ID as *Oldies 1570 CHLO*. Announcement that community programming would continue until 9 PM, then *more oldies on Oldies 1570*. One of closest unheards! *CFOR* nulled. (MS-ON)
 1590 **WQQW?** CT Waterbury - 10/28 1648 - ID as *WAQY Springfield Rock 102*, ads for *CVS Pharmacy* and *Nutri-System*. Are they simulcasting these two as 1 see nothing for 1590 in Springfield? (DE-PQ) [Guess so. Although they must be 40 miles apart, Springfield does have *WAQY-FM* at 102.1 - Ed.]
KZOK WA Seattle - 10/29 2104 - Good with *KZOK Seattle & Z-Rock* ID. On top, over *KCNN*. (SA-MB)

REPORTERS

KVIMU
Country

- DE-PQ** Dave Evans Brossard, PQ
NDDXP Shawn Axelrod, Wayne McRae & Les Gier Mountain, ND; 2 - IC-R70s, 1 - Drake R-8 + wires south and west
SA-MB Shawn Axelrod Winnipeg, MB; Icom R-70 w/PLAM board & 4 kHz filter + 4' box loop and 100' lw
JL-OH Jeffrey Less Toledo, OH; RF-5000A
KO-IL Ken Onyschuk Homewood, IL; GE Superadio 2885F
MS-ON Morris Sorensen Scarborough, ON; Hammarlund HQ-150 w/McKay Dymek DA9 ferrite loop or Sony ICF-2010 with SM-2 "Space Magnet" or Panasonic RF-B65 barefoot
RD-IA Rick Dau Iowa City, IA; R-1000 + RW loop
RD-IL Rick Dau on Illinois Hwy 17 near Toulon, IL; Ford caradio
DT-KY Dick Truax Louisville, KY;
Ed-ID Editor, N5SZC/7 Meridian, ID;

GRAVEYARD DX UPDATE

1240 kHz:

KJAA AZ Globe	Mike Sanburn	Bellflower, CA	435
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1340 kHz:

KSFE CA Needles	Mike Sanburn	Bellflower, CA	216
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1400 kHz:

KREO CA Indio	Mike Sanburn	Bellflower, CA	118
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1450 kHz:

KNOT AZ Show Low	Mike Sanburn	Bellflower, CA	335
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KYOR CA Blythe	Mike Sanburn	Bellflower	214
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KOWN Escondido	Mike Sanburn	Bellflower	92
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KVOW WY Riverton	Mike Sanburn	Bellflower	820
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1490 kHz:

KICO CA Calexico	Mike Sanburn	Bellflower, CA	185
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Totals:	1230	1240	1340	1400	1450	1490	Total
MIKE SANBURN Bellflower, CA	14	16	17	19	18	15	99

ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DDXD - North

||:parallel with or to →:into :00:on the hour AC:Adult contemporary AP:Associated Press
 BBD:big band BRN:Business Radio Net C&W:country & western CFL:Canadian Football
 League CHR:contemporary hit radio CID:code ID CL:call letter ContChr:contemporary
 Christian EZL:easy listening EE:English FF:French GOS:gospel IRN:Interstate Radio Net
 LSR:local sunrise LSS:local sunset NBA:National Basketball Assn NHL:National Hockey League
 NFL:National Football League NPR:National Public Radio OC:open carrier POL:political
 PSRA:pre-sunrise authority PSSA:post-sunset 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



KFLT/P.O. Box 3025/Tucson, AZ 85702

DDXD-East

NEWS AND VIEWS

I guess you noticed that there were recently some DX News' without a DDXD-East. This is not your fault! I have experienced a couple of mail problems (nine days from here to Topeka) which have delayed the publishing of the column. There has been a DDXD-East prepared here for every issue in Volume 60, so keep up the good work. I will do what I can to avoid any future delays!

Laurence Kearley again mentions that all of his logs are new ones for him. It looks like he is having a good season so far. Notice that we again have a good column for you, all as the result of only four DXers logs. So far in Volume 60 twelve DXers have submitted logs. Just think what this column could look like if a few more of you would contribute!

Remember again that the time change occurred on 10/25. You may need to make note of that while comparing some of the logs.

SPECIAL

950 WQBE WV Charleston - 10/21 2242 Loud with format change?: "You're listening to Mike Reagan on Business Radio WQBE." (JK-VA)

UNID AND UNID HELP

900 UNID 11/1 0635-0700 Bluegrass program with a down home sounding DJ giving a list of concerts in November in local towns including Taylorsville. A phone number given for a local business of 949-8466. Also a list of other bluegrass shows on that day and church services on the station. N/S loop in null of CHML with tons of QRM and fades. (LK-ON) (WYCV-Granite Falls, NC is about 20 miles from Taylorsville, NC and is shown as being GOS/REL, that's the closest I could find - db)

960 UNID 10/18 2237 Gospel/REL, no sign of usual WFIR, WWGR? WEAB? (JK-VA)

1010 UNID 10/22 0334 Fair/poor with The Larry King Show. WINS? (JK-VA)

1060 UNID 10/17 2221 UC mixing with XEEP. Thought I heard a W_I or a K_I, and a (602) area code mentioned when a phone number was given. Conditions to the west good. Also in on 10/21 at 0016. I doubt that this is WAMT, since FL stations not coming in. (JK-VA)

1580 WBBE KY Georgetown - 9/30 2305 These are the correct calls originally reported in Vol. 60, No. 3. They must have forgot to go to night power/pattern. (JK-VA)

0000 to 0800 ELT

620 WRJZ TN Knoxville - 10/22 0151 Poor/fair with REL, mentions of "Joy 62, WRJZ." (JK-VA)
 WTMJt WI Milwaukee - 10/22 0155 Poor under/over WRJZ with Bruce Williams Talknet. Thought I heard "AM 620, WTMJ." (JK-VA)

850 WRMR OH Cleveland - 10/22 0218 In with "WRMR Polka Show" promo and "Warm 850" IDs, along with NOS. (JK-VA)

870 WLAM ME Gorham - 11/1 0630 ID as "WLAM, Gorham, WKZS-FM, ?? and WKZN, Lewistown" then into a sermon from "the first radio church parish of America." Strong in null of WWL and over it at times. (LK-ON)

910 CKLY ON Lindsay - 10/22 0051 Definitely not off the air; in good with AC/OLD and CKLY mentions. (JK-VA)

950 WJPC IL Chicago - 10/22 0230 In briefly with "The grouch line is now open at <fade> WJPC," and then UC. Chicago #8 at this QTH. (JK-VA)

WWJ MI Detroit - 10/22 0236 In after WJPC with "News Radio 95, WWJ...WWJ news time 2:45," AP network sports, WWJ weather, etc. Semi-auroral conditions, for MI #5. (JK-VA)

970 WAVG KY Louisville - 10/22 0039 Good with NOS, WWSW aurorally absorbed, with "We're 970 WAVG." (JK-VA)

980 CFPL ON London - 10/22 0304 Good, WWRC aurorally absorbed, with "Currently in London it's <fade> CFPL Radio 98," then OLD. (JK-VA)

1070 CHOK ON Sarnia - 10/22 0342 Loud, way over usual WIBC, with "Oldies Coast to Coast, Oldies 1070...CHOK 336-1070." No longer CW? (JK-VA)

1160 KSLt UT Salt Lake City - 10/22 0345 Poor under/over WJJD with Jim Bohannon Show, thought I heard "KSL" during a break. (JK-VA)

1460 WBET MA Brockton - 10/31 0700 CNN news followed by "You're listening to WBET and now for the local news." Fade and QRM in null of CJOY. (LK-ON)

1550 WBSC SC Bennettsville - 10/31 0625 Tentative ID by partial calls and format. Oldies song then ID as WB2C. Then a phone in for another oldie. Tons of other stations in null of CBE. If this was WBSC, it's my first South Carolina. (LK-ON)

1600 TO 2400 ELT

560 WGAI NC Elizabeth City - 10/17 2107 Good with "AM 56 Stereo, Elizabeth City" and then sports. (JK-VA)

720 WRZN FL Hernando - 10/30 1742-1759 NOS music to 1750, political ads and more music till 1759 and then "This is the warm spot on your dial, Sunshine 720 WRZN Hernando." Good and all alone. New here. (JB-MA)

730 WOHS NC Shelby - 10/17 2041 In with CBS World Series, over CHYR7U/XEX, with mentions of Shelby. 160 watts? (JK-VA)

740 KRMG OK Tulsa - 10/17 2129 In at an early hour with day power/pattern, loud with "KRMG-740, Tulsa's station for news and weather," followed by Bruce Williams Talknet, CBL aurorally absorbed. (JK-VA)

- 860 KFSAt TX **Nacogdoches** - 10/17 2302 Fair/poor, no sign of CJBC, over XEUnT. WBAL not coming in, so cannot be WBGR, too late for WYJZ or WLBG. (JK-VA) (Jeff, can you tell us what kind of programming you heard? That might help narrow this down - db)
- 920 WKRT NY **Cortland** - 10/28 1924 Weather, local ad and then ID "920, WKRT" and into an oldies song. Lots of QRM and fade. (LK-ON)
- WBBB NC **Burlington** - 10/27 1831 Fair with ad for Western Sizzlin' of Hillsborough, Bulldogs promo and ID "News Talk 920 WBBB." Later overtaken by WOKY. (HJH-PA)
- 930 WKCT KY **Bowling Green** - 10/21 2329 In with mention of Bowling Green, CBS World Series baseball. (JK-VA)
- WEOL OH **Elyria** - 10/21 2306 In faintly with "WEOL News" then AC/EZL, under/over WKCT. (JK-VA)
- 980 WAAA NC **Winston-Salem** - 10/18 2218 In faintly with WAAA IDs, UC, no sign of WWRC, 69 watt power! (JK-VA)
- CHEX ON **Peterborough** - 10/18 2231 Faint/poor with "CHEX Peterborough," then local/current events. (JK-VA)
- 990 WVSC PA **Somerset** - 10/30 1719 ID as "WVSC AM 990" then announcements of local high school football games, network sports commentary at 1720. Many mentions of Somerset and ads also. Good over others. New here. (JB-MA)
- 1000 WRAR VA **Tappahannock** - 10/30 1728 Music and female announcer "This concludes another day of music on WRAR AM" etc., then mentioned WRAR-FM 105.5. Off without further comment. New here. (JB-MA)
- 1020 WIBG NJ **Ocean City** - 10/30 1710-1715 Political discussion and then "You've been listening to WIBG Ocean City, hope to see you tomorrow at 7 o'clock," and then off. Good over KDKA. New here. (JB-MA)
- 1030 KTWOt WY **Casper** - 10/17 2100-2210 Poor/fair with CBS 1992 World Series Baseball. No sign of WBZ (aurorally absorbed) and no legal IDs heard. KRMG/WBAP/KRLD/WOAI also in at this time, along with XEX/XEW/XEM/XEEP. In other words, conditions to the midwest/west were good! (JK-VA)
- 1040 WSGH NC **Lewisville** - 10/30 1655-1710 CW style religious songs and ID with mention of Lewisville at 1700, then USA news and religious book ad. Traffic report at 1705 and back to REL music. Quite strong. New here. (JB-MA)
- 1260 WCHV VA **Charlottesville** - 10/28 1724 Fair to good with political ad, weather and ID. Music is CHR. (HJH-PA)
- 1330 WKTA IL **Evanston** - 10/27 1815 Safe driving spot, ID into J. Morrison's "Light My Fire." Fair to weak. (HJH-PA)
- 1370 WGOH KY **Grayson** - 10/30 1800 Ending CW music, ID into CBS news. Weak with others. (HJH-PA)
- 1410 WHLN KY **Harlan** - 10/30 1825 Very good steady signal. About 8 or more local ads in a row then back to format of satellite oldies. (HJH-PA)
- 1450 WKXL NH **Concord** - 10/28 1724 Local weather and ads then "it's time for the CBS news at 5:25 on WKXL." Many other stations and fade. (LK-ON)
- 1480 WCFR VT **Springfield** - 10/28 1654 Local ads and chatter then WCFR ID, local weather and another ID, into phone calls. Much QRM. (LK-ON)
- WTOY VA **Salem** - 10/30 1825 Weak-fair signal with ID "The new WTOY." UC music. (HJH-PA)
- 1570 WBUG NY **Amsterdam** - 10/28 1645 A Randy Travis song then "country music in Amsterdam, you're listening to the BUG" followed by more CW music. Tons of QRM in null of CKLM. (LK-ON)

TIS

- 530 WNQA286 MD **Annapolis** - 11/5 1500 Heard standard U.S. 50 construction TIS with male announcer giving this ID while passing through Annapolis, west of the Chesapeake Bay. (DB-MD)
- WNQA289 MD **Kent Island** - 11/5 1515 TIS with same information as heard above but with different ID and female announcer while east of the Bay on Kent Island. I did not stay tuned constantly through the trip to determine any more details or how many different stations there are in the area. One of the WNQA stations has been heard at home in central Delaware, but not well enough to get any more of the ID. (DB-MD)

REPORTERS

- JB-MA Jim Bagge, Springfield, MA: HQ140, Loop
 HJH-PA Harry Hayes, Wilkes-Barre, PA: GE Superadio II, SM-2
 LK-ON Laurence Kearley, Orleans, ON: Sony ICF-SW1, Select-a-tenna
 JK-VA Jeff Kitz, Dillwyn, VA: Sony CFM-140II AM/FM/Cassette - 100% Barefoot
 DB-MD Dave Braun, Annapolis, MD: Car Radio



International DX Digest

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

Our Manitoba DXpedition team has transmogrified into a North Dakota DXpedition, putting that great state on the IDX map, by spreading wire on Les Gier's farm.

I participated in a DXpedition of my own this weekend with members of the Ontario DX Association, at Letchworth State Park which is south of Rochester. On both nights it seemed like Latin American stations peaked from 0000-0200. Lots of LA's were noted on regional channels. For the first time I used the Sony exclusively (ever tried to carry an HQ-150? - not very portable!) and enjoyed its wonderful ability to separate drifting stations, although the audio doesn't seem as sharp as the Hammarlund.

TRANS-ATLANTIC

- 171 MOROCCO Nador, 10/25 0445 - Very poor with bit of Arabic chanting and talk. Tentative, but who else? [DX*ND]
- 531 SPAIN 10/31 0656 - Spanish talk poor over SAH from Algerian that was fading with the onset of dawn. [MC-MA]
- 549 ALGERIA Les Trembles, 10/28 0547 - good with Arabic chant & strings. [MC-MA]
- 603 SPAIN / UNID's 10/28 0548 - Spanish talk in 3-station mix. [MC-MA]
- 612 IRELAND Tullamore, 10/28 0543 - remake of 1969 hit "Sugar Sugar", then man in English. To fair peaks through WGIR slop. [MC-MA]
- 621 CANARY ISLANDS Santa Cruz, Tenerife, 10/28 0540 - man in Spanish, R. Nacional net ID; fair to good. [MC-MA]
- 639 SPAIN La Coruna et al, 10/28 0537 - fair to good with man in Spanish. [MC-MA]
- 738 SPAIN Barcelona, 10/28 0533 - Spanish talk, poor in CHCM slop. [MC-MA]
- 747 SPAIN Cadiz, 10/28 0552 - bits of Spanish talk in low-pitched het rumble. 10/31 0629: fair with man in Spanish. [MC-MA]
- 756t GERMANY Braunschweig / Ravensburg (tentative), 10/25 0551 - good with classical mx. [MC-MA]
- 765 SENEGAL Dakar, 10/28 0557: stringed-music interval signal prior to s/on. Potent signal. 10/31 0657 - good at its Sunday s/on time: open carrier,

Jim Renfrew

61 Wilcox Street

Rochester, NY 14607-3832

- then music on guitar-like instrument. [MC-MA]
- 774 SPAIN 10/28 0524 - LOUD with Spanish news by man & woman. 10/31 0625 - EXCELLENT with woman in Spanish. [MC-MA]
- 783 PORTUGAL Miramar, 10/28 0554 - pop rock mx., Portuguese talk by woman; good. [MC-MA]
- 792 SPAIN Sevilla, 10/31 0648 - woman in Spanish; fair in slop. (Connelly-MA)
- 801 UNID 10/31 0624 - Spain the most likely source of the het here against PJB. This isn't noted too often. [MC-MA]
- 810 SPAIN (tentative) 10/28 0523 - Spanish news by man in a monotone, unemotional speech style characteristic of SER network newscasts. Did not sound like a Latin American; it was stronger on the "TA sloper". Before I could do parallel-checks, the signal dropped into residual WGY QRM and under a potent open carrier that was likely CJVA. [MC-MA]
- 819 UNID's 10/31 0623 - typical scenario here: a 3 or 4 station pile without a clear dominant and with a raucous growl of slightly-off-channel carriers. Morocco used to own this; now it's usually a loud, but unintelligible, mess. [MC-MA]
- 827 UNID 10/28 0601 - het (as previously reported by Burnell) noted against 828 & 830. Too much R. Paradise slop to allow audio extraction. [MC-MA] (Still only one unID logging from Europe - Jim)
- 837 SPAIN/CANARY ISLANDS 10/25 0555 - synthros good with man & woman in Spanish. 10/28 0605 - Spanish telefant show, mentions of Islas Canarias, LOUD. 10/31 0620 - LIKE A LOCAL with man & woman in Spanish. [MC-MA]
- 855 SPAIN Murcia et al, 10/28 0606 - Spanish news/talk good with WHDH slop nulled. [MC-MA]



- 873 SPAIN Zaragoza, 10/28 0515 - fair to good with man in Spanish [teletalk show]. [MC-MA]
- 882 CANARY ISLANDS La Laguna, 10/28 0514 - Spanish talk. 10/31 0659 - loud/dominant with woman in Spanish. (Connelly-MA)
- 891 ALGERIA Algiers, 10/28 0513 - good with Arabic talk & Arabic pop mx. [MC-MA]
- 891 PORTUGAL Vilamoura, 10/31 0715 - Portuguese talk by man with telephone-like scratchy audio. It was evenly mixing with Algeria's Arabic vocal that was fading with the onset of dawn. For those DXers who can be awake at this time, there's a good opportunity window to bag low-powered very-westerly stations (UK, Ireland, Portugal, Azores, etc.) as dawn silences the usual "big guns" on the various channels. [MC-MA] (Most of us would be happy to hear the "big guns"! - Jim)
- 945 FRANCE Toulouse, 10/28 0610 - fair with French talk. (Connelly-MA)
- 954 SPAIN Madrid, 10/28 0610 - Spanish poor in CHNS slop. (Connelly-MA)
- 963 PORTUGAL Seixal, 10/28 0607 - Portuguese talk; poor - trashed by CHNS-960. 10/31 0702 - man in Portuguese, poor to fair. There was evidence of a second signal, possibly the low-powered station on Ireland's west coast as most of Europe was in daylight by this time. [MC-MA]
- 981 ALGERIA Algiers, 10/28 0608 - good with Arabic talk by woman. This one is getting almost as easy as 891. [MC-MA]
- 999 SPAIN Madrid, 10/28 0609 - good with Spanish teletalk show. [MC-MA]
- 1044 MOROCCO Sebaa-Aioum, 10/25 2342 - Arabic music noted at fair level, local WYFX splatter considerably reduced here at the beach compared to home QTH just some 10 miles inland. [CV*FL] 10/25 0611 - EXCELLENT with woman in Arabic. Somebody else way under with pop mx. 10/28 0611 - Arabic vocal, over growl. [MC-MA]
- 1053 MOROCCO Tetuan, 10/25 0613 - woman in Arabic // 1044; poor in slop. [MC-MA]
- 1053 ENGLAND 10/25 0631 - news by woman in English // 1089; signal came up to dominate over Morocco. [MC-MA]
- 1089 ENGLAND 10/25 0619-0625 - US-accented spot "Europe's #1 Early Show", then "Holding Back the

Tears" by Simply Red, followed by Brit. English announcer who gave phone # of 071-637-4343. Then, a promo for the UK Top 40 show at 4 PM. Very strong signal! [MC-MA]

1107 SPAIN 10/28 0616 - man & woman in Spanish; atop others. [MC-MA]

1116 SPAIN Pontevedra, 10/28 0617 - Spanish teletalk show, fair. [MC-MA]

1134 SPAIN 10/28 0618 - Spanish talk. [MC-MA]

1179 SPAIN/CANARY ISLANDS 10/25 0545 - synchros good with Spanish talk. [MC-MA]

1197 UNID 10/28 0620 - fat carrier, but not much audio. [MC-MA]

1349 UNID 10/25 2321 - Good het with strong carrier on verge of audio. [CV*FL]

1359 MELILLA 10/27 0621 - good with man & woman in Spanish. [MC-MA]

1377 FRANCE Lille, 10/25 0633 - EXCELLENT with news by man in French. [MC-MA]

1386 UNID 10/25 2257 - I've had a carrier at home on this one, but this time audio was present with male vocal song in unID language, then heard 5 distinct pips at the top of the hour and then either a fade or sign off as nothing more was heard except what sounded like test tones for a few minutes, then carrier gone. [CV*FL]

1544 CLANDESTINE R. Nacional de la Saharui Democratica, 10/25 2238 - This is the one incorrectly assumed as a Latin unID. One reason being that there were no other TAs present when initially heard, but now I can see why this one could make it across solo, with an extremely steady signal tonight with Arabic male talk, very good. [CV*FL]



PAN-AMERICAN

- 526 BAHAMAS ZLS Stella Maris, 10/25 0147 - Beacon, fair. [DX*ND]
- 530 COSTA RICA TICAL R. Rumbos, Cartago, 10/24 2355 - Fair then good, with R. Rumbos IDs, talk and music in Spanish mixing with CIAO-530 and TIS from Fargo. At one point Shawn had TIS, Wayne had Rumbos, and Les had CIAO. Used 3 wires south each ten feet apart on ground but same length. Don't ask why? [DX*ND]

- 535 GRENADA 11/6 0310 - Noted in passing with island music and male DJ, not usually heard due to CIAO-530, but the Sony Synchronous Detector cut through the slop. [JR-NY]
- 540 MEXICO XEWA, San Luis Potosi, 10/24 2350 - Fair with Mexican music and talk, over/under CBK. [DX*ND]
- 555 ST KITTS & NEVIS ZIZ Basseterre, 10/25 0007 - Caribbean announcer in heavy slop. These guys have never been heard at home due to WQAM. [CV*FL] 11/6 0310 - Presumably they with soca music. [JR-NY]
- 595t DOMINICA DBS Radio, 10/25 0010 - Very poor, tentative, bits of audio and music, but no ID. [DX*ND]
- 650 COLOMBIA RCN Bogotá, 11/7 0210 - Noted with "RCN" IDs during fútbol game, good in WSM null. Heard years ago as Emisora Monserate. [JR*NY]
- 655 EL SALVADOR R. El Salvador, San Salvador, 10/25 0003 - Still here with an ID and good signal. [CV*FL] (I'm glad to see that this one is still on a split, and not on 660 as recently reported elsewhere; thanks for checking, Chris - Jim)
- 660 VENEZUELA unID 11/6 0317-0405 - Spanish station strong at times over WFAN playing soft music with a low-voiced male DJ. Mention of a product "Latina" during an advertisement and "en Caracas" but no other details heard. [JR-NY] 11/7 0138 - Seems to be definitely Venezuela, even mentioning R. Nacional de Venezuela, but probably a network ID on a sports broadcast. 11/7 0400 - Woman reading news, music bridge between each item, into the music that goes along with the firefly dance in Fantasia. [JR*NY]
- 670 VENEZUELA R. Rumbos 10/30 0115-0147 - Good with sports, network ID at 0130, many mentions of Caracas and El Banco del Caribe, // 4970. [BC-NH]
- 670 CUBA R. Rebelde 10/30 0115-0147 - Poor with Spanish talk, mostly under R. Rumbos, IDed by // 3365 and 5025 shortwave. [BC-NH]
- 705 UNID 10/25 0008 - Very poor, het only, no audio. [DX*ND] (Looking for St. Vincent - Jim)
- 740 COLOMBIA [unID city], 10/31 0640 - CARACOL ID, then rustic Spanish mx (similar to ranchera/cowboy styles); mostly under CHCM ("VOCM"). [MC-MA]
- 740 CUBA R. Reloj, 11/7 0627 - Usual ticks and "RR" in Morse code. [JR*NY]
- 760 COLOMBIA HJAJ Barranquilla, - 10/31 0644 - Spanish program on Colombian political affairs and the effect of the upcoming US election. Was // 770. Dominant over pile. [MC-MA]
- 770 COLOMBIA HJXX Bogotá, 10/25 0056 - Good with RCN ID, man talking in Spanish. [ND*DX] 10/31 0644 - TOTALLY CLOBBERING WABC !! Colombian political affairs discussion in Spanish // 760. [MC-MA]
- 780 VENEZUELA Ecos Del Torbes, San Cristobal, 10/30 0210-0300 - Goo to fair with Spanish ballads/folk music, time announcements and pre-recorder IDs between every song, over an unID Spanish station with WBBM nulled out, // 4980. Both 780 and 4980 signed off at 0300. [BC-NH] 11/6 0150-0240 - R. Coro has been so dominant of late, that I can't recall the last time I heard Ecos del Torbes. After seeing your logging, Bruce, I gave it a try tonight and heard exactly what you reported here, although it was weak in WBBM's null. Some of the news programming items were apparently from the Voice of America, which was mentioned several times. Full ID at 0201 following trumpet flourish. Doorbell chimes noted at odd intervals. [JR-NY]
- 780 VENEZUELA YVNM Coro, 10/31 0652 - R. Coro initially in dogfight with CFDR; then it went totally atop with ID -- LOUD! [MC-MA]
- 800 MEXICO XEROK Cd. Juarez, 10/24 2358, 10/25 0151 - Excellent with R. Canon IDs, Mexican music, dominating frequency. [DX*ND]
- 870 COLOMBIA R. Mar Caribe, Barranquilla, 11/7 0233 - Heard with IDs, AST timechecks, and "stardust" music; good over WHCU/WWL. [JR*NY]
- 880CUBA Pinar del Rio CMAF - 10/1 @ 0617: Mexican-style ranchera mx., then announcer said "desde La Habana". Bombing out WCBS! [MC-MA]



- 889.8 COLOMBIA R. Galeón, Santa Marta, 11/7 0300 - Heard in growl on low side, nicely separated with the Sony's synchronous detector, with a more traditional music blend, ID, Santa Marta ad. [JR*NY]
- 895 UNID 10/25 0008 - Very poor, het, no audio. [DX*ND] (Looking for Nevis - Jim)
- 920.9 COLOMBIA HJAA Cartagena, 11/8 0032 - Easily separated from domestics on 920 with full ID, mentioning call letters, Cartagena and 30 kilowatts (WRTH says 10 kW), spoken by woman announcer over "Rhapsody in Blue". Program featured fast-paced music. [JR*NY]
- 930 CUBA R. Reloj, 11/8 0036 - Poor with clock ticks and morse code. [JR*NY]
- 940 MEXICO XEQ Mexico City, 11/7 0615 - In well in CBM null with time announcement "en la capital de la República Mexicana". [JR*NY]
- 940 CUBA R. Reloj, 11/8 0036 - Poor with clock ticks and Morse code. [JR*NY]
- 1000 COLOMBIA RCN Cartagena, 11/7 0038 - Noted with news item about guerillas and "fuerzas armadas" (news here next day said guerillas killed 26 police officers in southern Colombia), RCN IDs, and ad (I think) for Intelstat; blowing away WLUP. [JR*NY]
- 1030 MEXICO R. Centro, Mexico City, 11/8 0046 - Noted in passing with "R. Centro" ID sung to tune of "Ring Around the Rosie". [JR*NY]
- 1040 DOMINICAN REPUBLIC HION Santo Domingo, 11/8 0050 - Noted with mentions of Santo Domingo and Santiago. [JR*NY]
- 1060 CUBA CMKS R Trinchera Anti-Imperialista, 11/8 0100 - Vocals, then news mentioning Guantánamo numerous times, completely wiping out KYW. I heard it on my loop, but everyone else could hear it on longwires. News had "di-di-di-da" mock teletype sounds in the background. Several announcements of local events and mentions of "Anti-imperialista". [JR*NY]
- 1070 CUBA CMKS R. Trinchera Anti-imperialista, 11/8 0100 - Same as above, but much weaker. [JR*NY]
- 1090 ST. LUCIA R. Caraibes International, 11/8 0104 - Concluding news in French into heavy dance beat music, blasting WBAL. [JR*NY]
- 1100.2 COLOMBIA CARACOL Barranquilla, 11/8 0233 - Noted with sports,

- CARACOL ID, and parallel to 5075 shortwave. [JR*NY]
- 1120t VENEZUELA Ondas del Lago, 11/8 0108 - Spanish preacher shouting "Jerusalem, Jerusalem" under an unID Spanish station. A recent report in Distance says that Ondas del Lago has sold most airtime to a Christian group so this is probably what I was hearing. [JR*NY]
- 1130t COLOMBIA Barranquilla, 11/8 0112 - Probably this one in heavy growl with slogan "El mejor de la costa", since I was hearing everything else from Barranquilla tonight! [JR*NY]
- 1165 ANTIGUA Caribbean Radio Lighthouse, 11/8 0114 - Noted with excellent signal in passing with religious drama a la Moody Bible Institute. Never possible in Rochester due to WHAM QRM. [JR*NY]
- 1170 COLOMBIA CARACOL Cartagena, 11/8 0252 - Noted with sports, parallel to 1100.2 and 5075. Excellent over WWVA. [JR*NY]
- 1180 CUBA R. Tafno 10/23 0215-0230 - Fair with Cubanos big band style music, news at 0227, then ID in English with piano background music, over WHAM null. [BC-NH]
- 1200 VENEZUELA R. Tiempo, Caracas, 11/8 0115 - Heard "Strangers in the Night" in Spanish ("Extranjeros de Amor"?), and ID as R. Tiempo. Nice to hear this one which I used to hear all of the time under WOAI, before the cloggification of clear-channels. [JR*NY]
- 1260 CUBA R. Reloj, 11/8 0120 - Usual ticks and code. Another Spanish station had sports underneath. It may be wishful thinking, but I thought I heard an "Auténtica" slogan (Colombia). Always nice to get LA's on regional channels! [JR*NY]
- 1270 CUBA R. Reloj, 11/8 0120 - Usual ticks and code. [JR*NY]
- 1300 UNID 11/8 0130 - Spanish sports program in mess. [JR*NY]
- 1310 COLOMBIA unID 11/8 0156 - Station playing cumbias with AST time checks. [JR*NY]
- 1360 UNID 11/8 0210 - Spanish station heard in mess with "Ritmo" slogan shouted out during music. [JR*NY]



- 1375 ST. PIERRE ET MIQUELON RFO, 11/7 0518 - 35 miles south of WXXI was enough to allow me to hear French at a good level. St. Pierre presumed. Interesting to have good reception to the northeast (but no TAs!) and good reception to South America at the same time. [JR*NY]
- 1500 UNID 11/8 0135 - In like a ton of bricks over WTOP with music and ads in Spanish. I thought I'd ID it easy, but it faded out quickly; possible R. Disco ID, but not sure. [JR*NY]
- 1620 MEXICO XERI Reynosa, 10/25 0030, 0244 - Poor, later excellent, Spanish talk, music, several R. Rey IDs; I gather we got the first harmonic of a 500-watt station. [DX*ND]
- 1685 COLOMBIA MER Mercaderes, 10/25 0235 - Beacon, good. [DX*ND]
- 1700 BRAZIL CRJ Carajas, 10/25 0240 - Beacon, poor, located in Carajas (not

as previously reported). [DX*ND]

CONTRIBUTORS

- [DX*ND] Les Gier, Wayne McRae, Mountain ND (DXpedition); 2 ICOM R-70's, 1 Drake R-8, wires west and south.
- [MC-MA] Mark Connelly, Billerica MA; Drake R8, 20m. (66ft.) wire & 37m. (121ft.) wire with noise-reducing transformers to MWDX-5 Phasing Unit and MWT-3 Regenerative Preselector.
- [BC-NH] Bruce Conti, Nashua NH; R70, DX400, MWDX-5, 3 wires.
- [CV*FL] Chris Vito, DXing at Dania Beach FL; ICOM R70, Balun Loop.
- [JR-NY] Jim Renfrew, Rochester NY; HQ-150, Sony ICF-2010, Radio West Loop.
- [JR*NY] Jim Renfrew, Letchworth State Park ODXD DX Camp; Sony ICF-2010, Radio West Loop.

Formats

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Changes in programming status; reported by listeners

Transitions...in New York City, venerable WQXR-1560, the New York Times' classical music outlet for the last 46 years (most recently simulcasting with its FM), will bury its format and its call sign. WQED will identify the new station, and the anticipated format is live assisted nostalgia. This transition is happening because WNEW-1130, a big band and nostalgia station for the past fifty eight years is ending its format and consigning its famous call to history, all in favor of a business format. Several WNEW personalities will join the WQED payroll to help initiate the format on 1560. WNEW's call, by the way, stood for the "NEW" station, the first to air in New York City in six years (back when new stations were a frequent happening). WNEW did NOT stand for the New York Daily News which once owned the station. WNEW was, perhaps, the first music and news station in the USA, carrying that format for its entire life. The new call, subject to FCC approval will be WBBR, for (Michael) Bloomberg Business Radio, the new owner, who bought the station for \$13.5 million. This is the second appearance in New York City for the WBBR sign, as "Brooklyn Bible Radio" was once the slogan for a long defunct church owned station in that borough. The original WBBR shared time with several other stations on one frequency in the 1930's and 40's.

Also in NYC, WPAT-930 has changed its beautiful music format into a light AC format, while still simulcasting with its FM. They are "Lite and Easy 93".

Up in Boston, WBZ has gone to an all news format days and news - talk at night. And WHEA ("Earth Radio") has died in favor of WJIB-740, according to Mark DeLorenzo. WJIB was the call for a very popular FM station in Beantown in the 1980's which crested the ratings with a beautiful music format. The new WJIB airs automated nostalgia and beautiful music. Pete Kemp notes that WINE-940, Brookfield, now airs all news, with mostly CNN Headline News. Jeff Mutter writes that WAQS-610, Charlotte has dropped its Kool Gold for an all sports format. Some WAQS programming will be local, otherwise it is from the Sports Entertainment Network. Perry Crabhill, of Winchester, VA, advises that WUSQ-610 will begin an all CNN fed format. Guess what the station will call itself? "610 - CNN".

On our annual trip to the White Mountains and Maine, I noted the following to be silent: WNEB-1230, WKFD-1370, WKTJ-1380, WSPR-1270, WREB-930, and little WLGW-1490, in Lancaster, NH.

I wonder if the unique four tower array of WRHC-1550, Coral Gables, is still standing in the middle of Biscayne Bay after the force of Hurricane Andrew swept the area? That is the most unusual transmitter site I have seen...I hope that the engineer on duty bailed out before the storm hit.

Other contributors for this column are Dave Braun, Dave Schmidt, and The M Street Journal. Thank you very much, folks!! Here we go!

540	KNOE	LA Monroe	- SMN Standards (M).
550	WSAU	WI Wausaw	- Unistar AC (M).
560	KSFO	CA San Francisco	- Oldies, sports (M).
560	KLZ	CO Denver	- Contemporary Christian (M).
570	WKBN	OH Youngstown	- Talk (M).
570	CKGL	ON Kitchener	- Country Music (M).
580	WDBO	FL Orlando	- News, talk (M).
610	WVTJ	FL Pensacola	- Southern Gospel (M).
630	WDGY	MI St Paul	- CHR//KDWB (M).
630	KHDL	WA Opportunity	- AC//KKPL (M).
640	WWJZ	NJ Mt Holly	- Very old standards, not on yet (DS).
660	WESC	SC Greenville	- Country music//FM (M).
670	KWNK	CA Simi Valley	- All sports//XETRA (M).
690	KEWI	AR Benton	- News, talk (M).
710	WFNR	VA Blacksburg	- Bluegrass music (M).
750	KJEL	MO Lebanon	- Country music//KIRK (M).
770	WLWL	NC Rockingham	- Black gospel (M).
790	WKYK	KY Louisville	- All talk (M).
800	KLTT	CO Brighton	- Christian news and talk (M).
880	KWIP	OR Dallas	- Spanish (M).
900	WCFA	PA Clearfield	- Sun Network talk (M).
930	KOGA	NE Ogalla	- Unis standards (M).
940	KGRG	OR Bend	- SEN Sports (M).
950	KRRP	LA Coushatta	- Southern Gospel (M).
950	WROL	MA Boston	- Christian and Irish programming for Boston's huge Irish population (TF).
960	KZXY	CA Apple Valley	- SMN Real Country (M).
960	WBUE	SC Hardeesville	- AC//WYKZ (M).
970	KBEE	CA Modesto	- Easy listening (M).
970	WYNZ	ME Portland	- Unis Standards (M).
970	WBLF	PA Belleforte	- SMN Country music (M).
970	WHWB	VT Rutland	- Country music (M).
980	CKRU	ON Peterborough	- Oldies (M).
990	KKJZ	CA Santa Barbara	- Jazz (M).
990	WABO	MS Waynesboro	- Country music, urban contemporary (M).
1010	WCNV	FL Crestview	- News, talk (M).
1020	WIBG	NJ Ocean City	- Religion, oldies "Wibbage Hall of Fame" after 3:00pm on weekends (DS).
1050	KJBN	AR Little Rock	- Dumps motivational glop for religion (M).
1060	WNOE	LA New Orleans	- SMN Real Country Music (M).
1080	WDSY	PA Pittsburgh	- SMN Real Country Music (M).
1090	WMFL	FL Monticello	- SMN Pure Oldies (M).
1130	WWWW	MI Detroit	- Country music//WWWW-FM, Id's as "4W" (M).
1150	KIIS	CA Los Angeles	- Adult CHR//FM (M).
1150	WDEL	DE Wilmington	- All news and talk as of 9/28/92 (DS).
1150	WAVO	SC Rock Hill	- Religion//WHVN (M).
1150	KSVL	TX El Paso	- Spanish "K-Suave" (M).
1150	WKPA	PA New Kensington	- Black gospel (M).
1170	WHWY	FL St. Augustine Beach	- News, talk (M).
1170	WKPE	MA Orleans	- Oldies//FM (M).
1180	KYET	AZ Williams	- Country music and adult standards (M). What a mix!!! (TF).
1190	KRDS	AZ Tolleson	- Religion (M).
1210	WDGR	GA Dahlona	- Country music and gospel programming (M).
1230	WNUZ	AL Talladega	- Oldies (M).
1230	WTKX	FL Pensacola	- Tourist information (M).
1230	WCOL	OH Columbus	- News, talk (M).
1240	WCNC	NC Elizabeth City	- Adult Standards (M).
1240	WAVN	TN Southaven	- Southern Gospel (M).
1250	WQXA	PA York	- Oldies, drops //FM (DS).
1260	WALM	MI Albion	- Soft AC (M).
1260	KXQZ	TX San Angelo	- News, talk (M).
1270	WGSV	AL Guntherville	- News, talk (M).
1270	WNLS	FL Tallahassee	- Talk (M).
1280	KKAL	CA Arroyo Grande	- SEN Sports (M).
1280	WANS	SC Anderson	- Talk, CWM, Christian (M).
1300	WJFK	MD Baltimore	- Talk, new age//FM (M).
1310	WTLC	IN Indianapolis	- Black full service (M).
1310	KBMV	MO Birch Tree	- Southern Gospel (M).
1310	CIWG	ON Ottawa	- Oldies "Sunny 1310" (M).
1320	KGMG	CA Newport Beach	- Adult standards (M).
1320	WILLS	MI Lansing	- SMN Real Country (M).
1330	WPRN	AL Butler	- Country music//WQGL (M).
1330	WRCA	MA Waltham	- Urban contemporary overnight (M).
1340	KQIL	CO Grand Junction	- CHR//FM (M).

WTDY
News/Talk 1480

1340	KTOQ	SD Rapid City	- Unis standards (M).
1340	WHOU	ME Houlton	- Contemporary Christian (M).
1340	WTRN	PA Tyrone	- SMN Pure oldies //FM (M).
1350	WEGA	PR Vega Baja	- Spanish AC (M).
1360	KNIR	LA New Iberia	- JSA Oldies (M).
1360	WVSJ	NJ Washington	- Country music "1360 NJ Country" (DS).
1380	WIZO	TN Franklin	- Oldies (M).
1390	WKHF	FL Avon Park	- Christian//WKGF (M).
1400	KJCF	MO Festus	- Adult contemporary (M).
1400	WJRV	PA Loretto	- Classic hits (M).
1410	WDOV	DE Dover	- "Newsradio 1410" CNN Headline News (DB).
1420	WVJS	KY Owensboro	- Oldies (M).
1430	WKEX	VA Blacksburg	- Standards, religion (M).
1440	WYGH	KY Paris	- Gospel (M).
1450	WPPG	NJ Atlantic City	- Talk, drops easy listening (DS).
1460	WPNX	AL Phoenix City	- SMN Pure Oldies (M).
1470	KYUU	KS Liberal	- SMN Pure Oldies (M).
1470	WWWM	OH Toledo	- SMN Urban AC (M).
1470	WMDR	TN Alcoa	- JSA Soft AC (M).
1470	KWOG	WY Douglas	- Gospel//FM (M).
1480	KYNN	NE Lincoln	- Country music//FM (M).
1490	WAJF	AL Decatur	- SMN Urban AC (M).
1490	WOMI	KY Owensboro	- Business News, news, talk (M).
1490	WARK	MD Hagerstown	- SMN Pure Oldies (M).
1510	KDRO	CO Littleton	- Urban contemporary (M).
1510	WLGW	OH Logan	- Country music//FM (M).
1520	KMPL	MO Sikestown	- SMN Standards (M).
1540	KXED	CA Los Angeles	- Mexican programming (M).
1560	WLSA	LA Slidell	- Unis CNN Headline News (M).
1560	WMOM	MD LaPlata	- SMN Country music (DB).
1570	WPEP	MA Taunton	- All talk (M).
1580	WIAZ	MS Bay Springs	- Southern Gospel (M).
1590	KDAE	TX Sinton	- Oldies//FM (M).
1600	WQBR	FL Atlantic Beach	- To be WNCM, religion (M).

Judging by the number of stations going to satellite programming, a disc jockey is not to be a profession to be followed!!! WOW!! And for all of you, as you DX, get your local format changes into your FORMATS column.

WCRR

P. O. BOX 700 • RURAL RETREAT, VIRGINIA 24368

Building the Broadcast Band

Thomas H. White - February 22, 1992

(This radio history is continued from last issue and concludes with this installment.)

Initial FRC Work

The FRC had to act carefully - every decision was a potential court case. There were a total of 732 stations when it took over, far more than could comfortably fit into the broadcast frequencies. The Commission was given the power to delete stations not found to be in the public "Convenience, Interest, or Necessity", but that didn't give it the right to arbitrarily delete stations in bulk. It did halt new station grants, except in a few underserved regions of the country.

The Radio Act of 1927 explicitly protected stations from deletion for 60 days following the enactment of the new legislation. When this ban expired on April 25, 1927, the FRC made no move to start culling the broadcasting ranks. Instead, all existing stations were given "temporary" operating

extensions. A series of 30 to 60 day extensions followed, eventually dragging out for more than a year.

Ultimately stations would be required to formally apply for licenses, which would give the FRC a chance to winnow the ones that didn't meet standards. But first the standards had to be developed. Until then, it was hoped that time would see an attrition in the number of stations. Meanwhile, information was collected on the stations, and various technical tests and studies were conducted in order to get an idea on what could be done with all of them.

Although it was strongly hinted that the broadcast band would be extended by adding 50 broadcast frequencies from 1510 to 2000 khz, in the end the frequencies assigned to broadcasting remained unchanged. (The International Radio Convention of 1927, which met in Washington, DC, specifically set aside 550 to 1500 khz for broadcasting

WMAL
amb3

732
72

purposes). Among the first actions the FRC did take was to clear out the Canadian frequencies and get all stations back to 10 khz frequencies from 550 to 1500. This produced something roughly like the old Class A and Class B bands, but with a lot of shoehorning in of extra stations. Although they had done nothing illegal, most "wave jumpers" and stations that had popped-up in the preceding few months did relatively poorly under the reassignments.

Every few weeks or months new refinements were announced, and stations were shuffled to new spots on the radio dial. The commissioners made visits to the regions they represented, to consult with station owners and evaluate the situation. On their return stations within the region were juggled once again. WEBC in Superior, WI was allowed to increase its power from 250 to 1000 watts "in order to make certain that President Coolidge would have good radio reception at his summer home". Although the initial standards were fairly generous, the overall trend was to reduce interference by reducing the number of stations broadcasting simultaneously. This meant an increase in the number of stations forced to share time, or limited to daytime-only operation.

The Commission made a special effort to clear the key frequencies of 600 to 1000 khz of "heterodyne and other interference", in order to give the listening public an island of better reception while the band was being reconstructed. The FRC applied pressure to get recalcitrant stations to cooperate, proclaiming "Broadcasters who are parties to placing annoying interference, instead of programs, on their respective channels are not looked upon as serving public interest, convenience, or necessity. Instead of creating good will for themselves certain radio stations have become extremely unpopular due either to blanketing or heterodyning interference, complaining letters indicate". It added "Regarding divisions of time requested, the commission feels a distinct service is rendered to any station which is encouraged to broadcast fewer hours under clear reception conditions rather than full time with its signals at most points utterly valueless".

The clearing effort met with only limited success. The FRC set a new standard that stations would have to stay within .5 khz of their assigned frequencies. But this was still about twenty times the limit needed to avoid heterodyning other stations on the same frequency. And even this liberal standard proved difficult for most stations to meet. The key objective in the evolving FRC reallocation came to be the reduction of heterodyne interference, especially during the prime nighttime hours.

It became clear the FRC was not going to finish its task in the year allocated by the 1927 Act. On March 28, 1928 Congress approved a one-year extension for the FRC, until March 16, 1929. Many wondered why the process was taking so long. Radio Broadcast informed its readers that, contrary to popular belief, "The Commission is not incompetent; it is impotent".

Portable Stations

The FRC did move aggressively against one class of stations that was a particular annoyance. The Department of Commerce had licensed "portable" stations, usually to transmitter manufacturers, who could move the stations from place to place for demonstrations. The FRC decided it wasn't required to regulate moving targets, so in April, 1927 it restricted portable licenses to two frequencies - 1470 and 1490 - and announced that eventually all would be eliminated. As of early 1928 there were still about a dozen portable stations, but all were gone by July 1, 1928. Not all were deleted, however. A few were allowed to become permanent stations in underserved areas of the country.

Refining Standards

In March and April, 1928 the FRC, along with industry engineers, worked to finalize the new broadcasting band structure, choosing from among a number of plans submitted by various public and industry representatives. In addition to technical concerns, there was also a political one. The legislation continuing the FRC included a clause that came to be known as the Davis Amendment. It required that station allocations be equitably made between the states. The commissioners were divided whether the provisions of the Davis Amendment could be instituted over time or had to be implemented immediately.

Finally the FRC started to pull everything together. All stations were required to formally apply for licenses by January 15, 1928. The FRC reviewed the applications, identifying stations which appeared to fall short of meeting the new Convenience, Interest, or Necessity standard. On May 11, 1928 the FRC issued General Order 32. It targeted 164 stations that the FRC felt had failed to meet the new public standard. Hearings would be held July 9, 1928, with the stations to be deleted on August 1 if they were unable to sway the Commission. Most of the stations contested their fate, and a majority survived, with the FRC actually complimenting the work of some of the challenged stations. Figures vary, but between fifty and ninety stations eventually

disappeared, many by default or surrendering their licenses rather than deletion, and many of the survivors had their powers and hours of operation reduced.

Some of the deleted stations had been found to be no longer operational. Others had served as little more than platforms for their owners, used to fill the airwaves with personal opinions and attacks. Perhaps the oddest case was KFQA, licensed to The Principia in Saint Louis, Missouri. The FRC reported that "During the hearing, held on July 9, the representative of the station urged that all the applicant wanted was to maintain a license from the commission but did not care about the transmitter". In other words, they wanted a license, but didn't want to actually operate a station, preferring to broadcast through KWK's facilities. In deleting KFQA, the FRC noted: "This case is a good illustration for a direct application of the principle previously announced by the commission that it is not in the public interest, convenience, nor necessity to continue to license a station which is not putting its transmitter to any use".

New Broadcasting Structure

With the broadcasting ranks now reduced to about 585 stations, the FRC finally announced the long awaited restructuring of the broadcast band. On August 30, 1928, General Order 40 described the new setup. It had taken more than a year for the FRC to come up with a definitive broadcasting reorganization, which was scheduled to take effect at 3:00 AM on November 11. The Commission itself reported significant disagreement between the commissioners, and the best the final plan could muster was a four to one vote in its favor.

The holdout was Commissioner Ira E. Robinson, who reportedly felt the commission was acting rashly, and had favored high-powered stations, to the detriment of the low-powered ones. Nor could Robinson be called a "good loser". After the new plan was announced, he released the following statement: "Having opposed and voted against the plan and the allocations made thereunder, I deem it unethical and improper to take part in hearings for the modification of same".

Using legal language best described as "tortured", it was formally announced "... that a band of frequencies extending from 550 to 1500 kilocycles, both inclusive, be, and the same is hereby, assigned to and for the use of broadcasting stations, said band of frequencies being hereinafter referred to as the broadcast band".

The new plan organized the broadcast

band in a more complicated manner than the previous Class B/Class A setup. Most noticeable was that, instead of two adjacent groupings, blocks of high and low power frequencies were placed at various locations within the band. Also, stations were now divided into three categories, which in time would become known as "Clear", "Regional", and "Local".

Six of the 96 frequencies were off-limits for United States stations, as 690, 730, 840, 910, 960, 1030 were set aside exclusively for Canadian use. The United States was divided into five zones, and forty frequencies - eight per zone - from within the range of 640 through 1190 khz were assigned for the primary use of individual zones. These "Clear Channel" frequencies were the successors to the old Class B authorizations, and stations on them would eventually have powers up to 50 kilowatts. Forty regional frequencies were allocated, for stations using a maximum of 1000 watts, to be used concurrently in two to five zones. These were the successors to the old Class A band. Four additional regional frequencies were permitted to use a maximum of 5 kilowatts, as an incentive to get stations to accept the unpopular high-end frequencies of 1460 to 1490. (These frequencies would eventually be converted to Clear channels.) The final six frequencies effectively marked the reappearance of the old Class C 360-meter wavelength. These were to be used by "local" stations nationwide, with a 100 watt power limit. The overall structure of the November 11th reallocation has been modified over the years, but today's AM band strongly reflects this historic restructuring. Following is the frequency setup that took effect on November 11, 1928, from 550 to 1500 khz. Numbers in parentheses are the zones assigned dominant use of individual Clear Channel frequencies:

550 - 630: REGIONAL
 640 (5),
 650 (3),
 660 (1),
 670 (4),
 680 (5): CLEAR
 690: CANADA (exclusive)
 700 (2),
 710 (1),
 720 (4): CLEAR
 730: CANADA (exclusive)
 740 (3)
 750 (2)
 760 (1)
 770 (4): CLEAR
 780: REGIONAL
 790 (5)
 800 (3)
 810 (4)



- 820 (2),
- 830 (5): CLEAR
- 840: CANADA (exclusive)
- 850 (3)
- 860 (1)
- 870 (4): CLEAR
- 880 - 900: REGIONAL
- 910: CANADA (exclusive)
- 920 - 950: REGIONAL
- 960: CANADA (exclusive)
- 970 (5)
- 980 (2)
- 990 (1)
- 1000 (4): CLEAR
- 1010: REGIONAL
- 1020 (2): CLEAR
- 1030: CANADA (exclusive)
- 1040 (3)
- 1050 (5)
- 1060 (1)
- 1070 (2)
- 1080 (3)
- 1090 (4),
- 1100 (1)
- 1110 (2): CLEAR
- 1120: REGIONAL
- 1130 (5)
- 1140 (3)
- 1150 (1)
- 1160 (4)
- 1170 (2)
- 1180 (5),
- 1190 (3): CLEAR
- 1200 - 1210: LOCAL
- 1220 - 1300: REGIONAL
- 1310: LOCAL
- 1320 - 1360: REGIONAL
- 1370: LOCAL
- 1380 - 1410: REGIONAL
- 1420: LOCAL
- 1430 - 1450: REGIONAL
- 1460 - 1490: REGIONAL (high power)
- 1500: LOCAL



Radio Broadcast cautiously hailed the new plan. It noted that "We hesitate to praise any constructive step announced by the Commission because, up to this time, it has always reversed itself before promised reforms have been put into operation. It proposed to eliminate all stations persistently wandering from their channels, but backwatered before the echo of its brave statements had died out. It called a host of stations before it to prove they were operating in the public interest, necessity and convenience, and with great fanfare to the effect that they would be weeded out, but the actual result of the hearings was negligible. From past evidence, we cannot avoid fearing a complete reversal of form and a repudiation of the meritorious broadcast allocation plan".

In spite of the fears of Radio Broadcast, the

FRC moved forward. Its next hurdle was to assign stations to frequencies for their November 11th debut. There were still signs of tentativeness, as assignments were announced September 10th but then modified on three occasions in October. The Commission also made an unsuccessful effort to rationalize network operations. Chains had started to gain prominence, and the Commission was worried all its hard work would be devalued if all the strongest stations ended up carrying the same programs. However, the FRC eventually gave up its effort to reduce network broadcast duplication, and announced that instead the issue would ultimately be part of a comprehensive review of chain programming.

Effects of the November 11, 1928 Allocation

By all accounts the November 11, 1928 allocation was successful in greatly reducing interference. And the FRC was proud how few stations it had to delete along the way. However, many stations were unhappy with the new allocation, and some headed to the courts to get relief. Most were unsuccessful.

Because of its emphasis on reducing heterodyning interference, the Commission had adopted a very conservative approach, assigning low powers and limited frequency slots. And although they hadn't been deleted, scores of stations had in effect been given death sentences. On the regional frequencies the FRC limited the number of stations operating concurrently to two to five nationwide. And, in major population areas the states were over-represented under the guidelines of the Davis Amendment. Thus, in major metropolitan areas, particularly New York and Chicago, the FRC sometimes required four, and in some cases five, stations to share the same frequency. It was impossible for a station to survive economically on a ration of a quarter or a fifth of a broadcast day, especially with the coming of the Depression in late 1929. Fierce legal battles broke out, as stations used the FRC and the courts to wrest broadcast hours from - or kill off - the stations they were partnered with. Some of these legal battles lasted years and gained legendary status within the broadcast industry, and were credited with financing the college educations of numerous legal counsel's children. (Ironically, many educational stations were paired with commercial stations, which often lead to the demise of the educational stations. This was one of the main reasons educational channels were set aside when the FM band was created.)

The final timesharing agreement in the New York City area wasn't consolidated until 1985. Throughout the country only one

timesharing arrangement still exists which can be traced back to November 11, 1928 - WEDC/WCRW/WSBC on 1240 khz in Chicago, IL.

Consequences and Conclusions

The November 11, 1928 reallocation was a major achievement, as government regulators finally regained control over the broadcast band, lost a year and a half earlier. But there was still plenty of work to be done. The Commission had to refine the equalization of station grants, as required by the Davis Amendment. The early thirties saw the development of "vertical" antennas, which replaced the old "flatop" antennas. The new antennas had better groundwave coverage, at the expense of reduced nighttime skywave service. They also could be set up as directional antennas, which, combined with better frequency control that finally eliminated audible heterodyning, allowed closer placement of stations with less interference. Despite the FRC's "temporary" status, and court challenges by disgruntled stations over its constitutionality, the Radio Commission survived until 1934, when it was replaced by the Federal Communications Commission. (In contrast, Radio Broadcast expired in 1930).

Allocation Overview

	600	485	400	450	360	300	222	200	150
	--	--	--	--		1	1	1	2
	5	55	6	7	8	8	8	3	5
	0	45	1	5	0	3	7	5	0
	0	00	9	0	0	3	0	0	0
12/1/21	M/W*	*R	*E			*S			*-Amateur
9/22	M/W*	*B	*R			*S			*-Amateur
5/15/23	=Class B=	*C =B=	*S	=C	A=	=Amateur=			
11/24	=Class B=	=C =B=		=Class A=	=Amateur=>				
4/25	=Class B=	=C =B=		=Class A=	=Amateur=>				
7/26-3/27	=Anarchy=	=Amateur=>							
11/11/28	=FRC Reorganization=								

The previous chart reviews the evolution of the broadcast band, and selected wavelength and frequency allocations from 1921 to 1928. Wavelengths are listed horizontally across the top of the chart. Corresponding frequencies are listed vertically below the wavelengths. Individual wavelength assignments are marked with '*' and an identifying code. Bands of frequencies are marked with equal signs. The following individual wavelengths are included:

M/W: "Market & Weather" (485 meters/619 khz) - broadcasting wavelength used December, 1921 to May 15, 1923 for official government reports, including market reports

In the early forties the North American Regional Broadcasting Agreements extended the broadcast band to 1600 khz. However, the overall November 11, 1928 structure remained intact. The lower frequencies were unaffected, and in most cases where stations were moved to a new frequency, all the stations on a given frequency moved to a new dial position as a group.

After World War II there was an easing of interference standards, and thousands of stations were added to the AM band. Still, even today, on most frequencies there is a core group of pioneer stations that have shared a common frequency since 1928. One change has been an increase in power limits - from 1000 to 5000 watts on the Regional frequencies, and from 100 to 1000 watts on the Local frequencies.

It's an overused phrase, but the best description of the November 11, 1928 reallocation is that it "brought order out of chaos". And over sixty years later this historic work still provides the underpinning for the AM broadcast band. From its tentative beginnings on 360 and 485 meters, and through its descent into chaos, broadcasting had finally been given a stable and secure foundation.

and weather forecasts. Discontinued after the May 15, 1923 expansion.

E, A, C. Entertainment wavelength (360 meters/833 khz) - broadcasting wavelength used for entertainment offerings beginning in September, 1921 and formally assigned December 1, 1921. In September, 1922, with the creation of the "Class B" entertainment wavelength, it became known as the "Class A" entertainment wavelength. On May 15, 1923, with the creation of "Class A" and "Class B" frequency bands, it became known as the "Class C" wavelength. It quietly disappeared in mid-1925 when the final holdouts were moved to Class A and B frequencies.

B: Entertainment wavelength (400 meters/750 khz) - created September, 1922 for better quality stations. Expanded to a band of Class B frequencies on May 15, 1923.

S: International ship wavelength (300 meters/1000 khz) - dissolved in 1924 to make way for Class B broadcasters.

R: Special Amateur Relay (450 meters/800 khz) - One of the wavelengths set aside for relay work by Special Amateurs. Special Amateur work was moved to the 1350 to 1500 band in the May 15, 1923 reallocation, and later discontinued altogether.

Bibliography

Following are the major sources for this work:

DeSoto, Clinton B. *Two Hundred Meters and Down*. The American Radio Relay League, Inc., 1936.

Harris, Credo Fitch. *Microphone Memoirs*. The Bobbs-Merrill Company, 1937.

Pejza, Father Jack. "A Beginner's Guide To The Ionosphere". *DX Monitor*, International Radio Club of America, March 25, 1972.

Commercial and Government Radio Stations of the United States. (Annual list issued as of June 30th for 1920 through 1931 by the

Department of Commerce.)

QST. Selected issues from 1920 to 1922.

Radio Broadcast. Selected issues from 1922 to 1927.

Radio Communications Laws of the United States and the International Radiotelegraphic Convention. August 15, 1919 edition. Issued by the Bureau of Navigation, Department of Commerce.

Radio News. Selected issues from 1920 to 1927, especially "The Development of Radiophone Broadcasting" by L. R. Krumm, September, 1922, p. 467.

Radio Service Bulletin. Issued monthly, beginning in January, 1915 by the Bureau of Navigation, Department of Commerce. Continued in various formats until 1952. Included occasional broadcast station lists plus changes in regulations, including FRC General Orders.

Regulations Governing Radio Communication. September 28, 1912, February 20, 1913, and July 1, 1913 editions. Issued by the Bureau of Navigation, Department of Commerce.

Report of the Federal Radio Commission. Annual reports, 1927 through 1933.

Radio Roundup

News of radio personalities, of interest to DX'ers

Greetings all ... Super Jock, Ken Hume??? Who?? How would you like to live out a fantasy and become a DJ, if only for 30 minutes? WLAD-800 recently offered this opportunity as one of the gifts for a local charity auction. A fulltime insurance agent Ken Hume answered the call for the third straight year. Mid-morning man Al Peterson showed him all the basics, where the coffee pot is, how to hit the button on the cart machine and to do the ads too. A fun time was had by all. Ken promises to try to out bid everyone again next year and to possibly spice things up with his own bumper stickers ... The FCC Chairman is expected to promulgate regulations to change over the antiquated Emergency Broadcast System (EBS) Under the proposal the traditional two-tone test will be shortened, weekly tests will be conducted monthly, cable television operations will be

required participate, even a possible name change to the Emergency Warning System (EWS) The new system will make extensive use of sub-audible tones and digital technologies. Trivia nuts take note that the current two-tones used during the tests are 853 Hz and 960 Hz. ... Of general interest, The United States Advisory Commission on Public Diplomacy (USACPD) has madet he following proposals: Terminate the building of short wave stations in Israel, build cheaper AM/FM radio stations in Kuwait, Enhance existing VOA broadcasts to China in lieu of developing a Radio Free China operation, the phasing out Radio Free Europe and Radio Liberty, do away with TV Marti. The constantly jammed TV Marti is costing taxpayers 25 million dollars a year and just isn't cost effective ... WJPC has become Chicago's first 24 hour, all rap radio station. JPC stands for the Johnson

Pete Kemp (KZ1Z)

P. O. Box 73

Bethel, CT 06801-0073

Publishing Company. The only other station in the nation with a similar format is KNOK-AM in Houston ... Radio trivia time: The first paid ad on radio was for the Queensboro Corporation, a New York City real estate firm. The paid pitch last 10 minutes and was aired on WEAF. WEAF became WNBC and is now WFAN. The cost? 100 dollars ... NRCer Dave Braun reports that WTEM-570 has sacked its entire five person morning crew after 64 shows. Station management believes that its listeners want more sports in the morning, so their new line-up, with Bruce Murray, Bob Berger, John Madden, Joe Theismann, Rich "the coach" Gilgallon and John Feinstein are teamed up as The Morning Sports Page takes to the air. WTEM has recently become the flagship station for the Washington Redskins, having taken away the rights from WMAL, after 44 years... 21 staffers at Westwood One/Mutual Broadcasting have been told that their services are no longer needed. Among the listed employees are: Camille Bohannon, Steve Porter, Anne Bozell, and John Hartge ... 35 year news veteran Jamie Bragg of WTOF-1500 is resting comfortably following cancer surgery. He is expected to return to the air ... Rating the news services, Statistical Research, Inc states that according to radio listeners responses, CNN was rated best 53.5%, followed by CBS 14.1%, NBC 9.7%, ABC 9.5% and the famous Other with 1.4% ... The Children's Satellite Network goes on line October 1st, no word yet on who will be carrying their programs ... The Global Satellite Network, Infinity Broadcasting, together with Loveline hosts Jim "Poorman" Trent and Dr. Drew Pinsky are scheduled for a face to face to discuss the possibility of taking the Los Angeles show national ... Cable TV's popular Weather Channel now has a Radio Network ... The Consumer Radio Network is now offering Auto Talk, a weekly show to be hosted by KFI's Norm Lafave ... WTHI has stopped simulcasting its sister station and is now programming News/Talker ... Congress has axed the Users Tax promoted by the White House. This is the second straight year they have thwarted attempts to charge broadcasters an annual fee based upon power and frequency spectrum usage ... The National Association of Broadcasters has announced this year's Marconi Award winner as Legendary Station of the Year and MOR Station of the Year is WCCO in Minneapolis ... G. Gordon Liddy continues on the air at WJFK, despite a continued drop in his ratings ... The case of Famed Rock and Roll Programming Consultant Rick Sklar, who passed away last June 22, continues to raise eyebrows in the BIG APPLE. Sklar was admitted to the hospital for minor foot surgery

and died on the operating table, allegedly due to an anesthetists error. The case is being looked into by a variety of medical committees and a court suit is expected. He is best remembered for his guidance in developing WABC-770 in the mid sixties ... WKHX, in Atlanta, will no longer simulcast its country sister and has signed on for the satellite feed of Real Country from SMN ... Dr. Joy Browne is considering legal action against her former employer DayNet. She claims she is owed ten weeks pay and other monies. She is now part of the WOR-710 team in New York City ... Jaz McKay made a strange return to Lansing's WMMQ. He had been doing a gig in Guam but wanted to come back stateside. On his first day back at work on the morning show he was arrested for outstanding warrants by the local police department. This was no on-air prank! The station management said they were aware of his legal problems, "nothing big", just misdemeanor stuff. He was released in his own recognizance and returned to work the following day ... WSKY in Vermont is now running and Oldies format, du wop ... NRCer Eric Bueneman checks in with a lot of neat tidbits, here we go: WMIX-940 in Mount Vernon, IL is now broadcasting and stereo ... WESL-1490 has dropped its Stereo broadcasting ...

By the way Amateur radio operators and SWLs are encouraged to tune in the ANARC Net on 7.240 LSB every Sunday morning at 10, ELT. The net is hosted by Bob Brown KW3F. ANARC stands for the Association of North American Radio Clubs, of which the National Radio Club is a member. During the net hams from all over the east coast check in to share DXing information on a variety of bands and modes. SWLs may join in the net's activities by telephoning Gateway Stations, hams who put out their telephone numbers, to relay your information and questions to the assembled group. A number of ham-NRCers are among the net's regular contributors. Quite frequently a listing of upcoming BCB tests from the CPC are shared. If you have access to a shortwave receive, please join us ... If you have access to a computer/modem, you may also want to log on to the wide variety of Bulletin Board Services available, both free and commercial. Many BBSs have message and files areas for sharing radio related information in a timely fashion ... If you would like to contribute to this column, I may be reached at the address above, via GEnie (P.KEMP3), CompuServe 72376.2557, Prodigy SMHB11A, the FIDO system in the Shortwave, Ham or Broadcasting echo areas, or amateur radio packet, KZ1Z@K1UOL.CT So much for now.

RICHMOND
BUSINESS
NEWS

WRBN AM 1540

