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In This Issue

All the usual columns, plus: Station Sales in Washington DC, A History of WSBT, #1 Market Airchecks, Beverage Antenna Phasing Network, Geomagnetic Indices, The KTRC Antenna System, The 1987 Frequency Check List



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Gardner Smith, Editor
1000 Perry Street
Brookland, District of Columbia 20017

All times are EST—Deadline is Saturday

O F S P E C I A L I N T E R E S T

kHz	Call	State	City	Date/Time/Reporter/Notes
610	WUSQ	VA	Winchester	11/11-0850 GS-MD. Ex-WVAI. Saw the change in Greg Monti's column and found they had already done it. Uses "Q-102" slogan. Low-key CWM
640	KFI	CA	Los Angeles	10/28-0623 MB-ON. Mixing w/WOI, WHLO w/KFI contest promo, usual ID & Pacific TC by OM; into Dion song. Hrd many times before but this is 1st time at sunrise
750	WHEB	NH	Portsmouth	11/11-1724 MB-ON. w/SID, Genesis song. ID as "AM 75" and wx by YL DJ, PSA for parent-child mediation program, paid political ancmt for candidate for Governor of Maine. Gd. at first, but lost to WSB & CBL slop by 1724
1150	WMET	MD	Gaithersburg	11/3-0530 WPT-DC. S/on this date/time. Ex-WMTG which was silent several weeks. [Very strange format, hard rock, soft rock, soul, EZL, CWM. DJ is pleading with people to call in and tell him what to play. This stn is doomed—see news article following EDXR]
1220	WNNR	CT	Hamden	11/10-1552 TK-NY. Vgd o/many others w/oldies mx, DJ Norm Thibeaux, promos for "Winner Way-Back Machine" w/Rick Allison 6-10 AM, stereo, IDs as "Winner Radio." [Ex-WSCR]
1330	WRAA	VA	Luray	10/26-1701 MB-ON. Page County wx, into "Convoy" by C.W. McCall (ugh!), resurfaced at 1711 w/talk by OM DJ ment. Page Co., into oldie by Vogues. Pr in mess dominated by pest WRIE back on the air. [Very nice catch! This station sits down in a canyon in the Page Valley between Blue Ridge and Massanutten Mountain, and gets out very poorly!]

R E G U L A R L O G G I N G S

kHz	Call	State	QTH	Date/Time/Reporter/Notes
530	CJFT	ON	Fort Erie	10/28-2026 TK-NY. Fr/gd w/heavy slop from local WLIX-540. Had to use 2.7 kc filter. ID as "Stereo 53 CJFT." DJ Bill Topper
550	WICE	RI	Pawtucket	10/26-1445 TK-NY. Wk but 100% w/NBC "The Moldy Oldies Show" w/Soupy Sales
580	WTAG	MA	Worcester	10/26-1530 TK-NY. Gd w/DJ Gary Scott (until 1800) w/oldies mx, wx w/Todd Glickman
590	WLVA	VA	Lynchburg	11/12-1800 WPT-DC. Gd o/WARM at SSS w/SID. New catch. 5 kw now. Oldies format
620	WSKQ	NJ	Newark	10/26-1525 TK-NY. Vgd w/SS mx & nx. [Tim, this is "El Super KQ", the old WVNJ]
640	WOI	IA	Ames	10/28-0630 MB-ON. Dominating freq w/NPR pgrms and ID "Morning Edition is coming to you from AM 64 WOI and FM 90, WOI-FM

640	WFNC	NC	Fayetteville	10/20-1825 MB-ON. o/WHLO w/spot for Brian's Pontiac/Buick/Yugo/Honda, into local nx
780	WABS	VA	Arlington	10/20-1816 MB-ON. "Sunrise 780 WABS" ID by YL; into usual rlg's pgrm, gospel mx. Fr-gd. in WBBM null
800	WLAD	CT	Danbury	10/26-1545 TK-NY. Fr w/"Solid Gold Scrapbook" w/DJ ?Pete Bartley?
800			UNID	10/23-1855 MB-ON. In null of CKLW w/race results from Hoover Downs, into "Yesterday" by Beatles; faded by 1857. Not CJBQ as there is no Hoover Downs in Belleville. Can any racing fans ID this one? Baseball stadiums I know from, hi. [Well, there's a Hoover Dam, but they don't have a race track do they? And there was a President Hoover, but I don't think he's racing anymore]
870	WHCU	NY	Ithaca	10/20-1813 MB-ON. w/end of "The World Tonight" on CBS net, spot for local computer store; into state/local nx, fadeout to CJBC slop or pattern change at 1815 [Probably pattern change]
920	CKCY	ON	Sault Ste. Marie	11/15-1750 GS-MD. On top w/hard rock. Rare here
980	WTRY	NY	Troy	10/23-1800 MB-ON. "98 TRY... Troy, Albany, Schenectady," into mx. 1803 spot for Canon, sport rpt, wx for "Capital District." SID at 1805, into Supremes mx. Fr in mix w/CHEX, CPFL, WWRG
990	WVSC	PA	Somerset	10/23-1837 MB-ON. Spot for Somerset Building Center, offering a 45% discount on kitchen cabinets, wx for Somerset Co., ID as "99 WVSC" into MoR mx. Fr/Pr u/strong WNYR
1130	WDGY	MN	Minneapolis	10/27-1830 MB-ON. Promo for "WDGY Gold Call," chance to win up to \$10K in prizes from "Country Gold WDGY;" CWM mx, Statler Bros, 1829 local nx, spots for Dial-a-Lawyer Legal Services and St. Paul Pioneer Press newspaper. Fr o/null'd WNEX. Disappeared at 1833, probably to pattern change 3 min. late
1140	CJTR	PQ	Trois-Rivieres	11/12-0800 WPT-DC. Fr u/WRVA in SRS. Id by OM in FF
1200	WAGE	VA	Leesburg	9/29-0702 TK-NY. Fr/pr w/Mutual nx. "Skyscan" wx w/Bonnie Cameron, local nx. [WAGE has now QRO to 5 kw]
1200	WOAI	TX	San Antonio	11/6-0632 MB-ON. Texas wx, spot for Big Brothers/Big Sisters. In Vgd—still possible in the east despite CFGO, WAGE, WKOX, etc. [Actually, has anyone noticed how much stronger WOAI is these days? It's often obliterating everything else, and I rarely used to hear it]
1230	WERI	RI	Westerly	11/10-1603 TK-NY. Pr in mud w/local nx at 1602 w/Jack McCormick. IDs as "Stardust 1230," oldies. [I wonder what they think of 1230 kHz on Alpha Centauri]
1290	WJBR	DE	Wilmington	11/3-1318 WPT-DC. Fr. w/Dire Straits mx. Rare here. [Since WAGE QSY to 1200 I get it all the time (day), but I'm at least 2 miles closer to it than you, hi. Also they QRO from 1 kw to 2.5 kw]
1370	WZYQ	MD	Frederick	11/15-1100 GS-MD. Still here. Their CP to 820 kHz is really old. Came up o/WKIK Leonardtown, Md. w/spot for Middletown on Alt. 40, so no doubt about it.
1470	WTOE	NC	Spruce Pine	10/30-1732 WPT-DC. Fr. ID by m. [Nice catch!]
1500	WTOP	DC	Washington	11/9-1647 TK-NY. Xlnt w/Raiders-Cowboys. Ancrs Joel Meyers and Jack Snow
1530	WRTT	NC	Chapel Hill	11/15-1652 GS-MD. "Your inspiration station in the Research Triangle." Spot for pgrm "Christian Countdown Marathon" on Sunday. A "bouncy rock" gospel mx stn

1540	WPGR PA	Philadelphia	11/9-1639 TK-NY. Xlnt w/oldies, DJ Jim Poppa. 40 dB o/S9. S/off at 1645 w/invite to tune to sister stn WSNI 104.5 FM [AM call used to be WSNI. WPGR stands for Philadelphia Gold Radio]
1550	WARD PA	Pittston	11/9-1607 TK-NY. Vgd/fr w/talk show "Calling Ed Bush" at 800-527-TALK. IDs as "WARD-Talkradio." [Ex-WPTS, Ex-1540 kHz]
1570	WBUX PA	Doylestown	11/9-1522 TK-NY. Fr w/pre-game show for Eagles-Giants. [WBUX for Bucks County]
1570	WYTI VA	Rocky Mount	11/5-1835 GS-MD. Well past SSS so guess it is AN now, with Mexican treaty signed. Ment. of Franklin Co., United Va. Bank. What a mess
1580	WBBR SC	Travelers Rest	11/15-1729 GS-MD. S/off w/ment of Piedmont BC Co., 5 kw. No SSB. An old QSL I have says it signed on in 1964
1580	WSRR NJ	Washington	11/9-1459 TK-NY. Fr o/local WLIM et al w/AP nx, local nx w/Mark O'Brien, oldies mx. ID as "Star Radio." [Ex-WCRU]
1580	WTYO NJ	Hammondton	11/7-1900 GS-DC. SSer. "Mas grande! Mas moderna! Buena musica!" Unusually high number of ments of Puerto Rico and Costa Rica for some reason. No s/off at sunset now, with new Mexican treaty, but not AN either.
1590	WETT MD	Ocean City	11/11-1743 GS-MD. On top w/string of spots, many for Salisbury and "Eastern Shore" (east of the Bay). "16-WETT" slogan. Lite Rock.

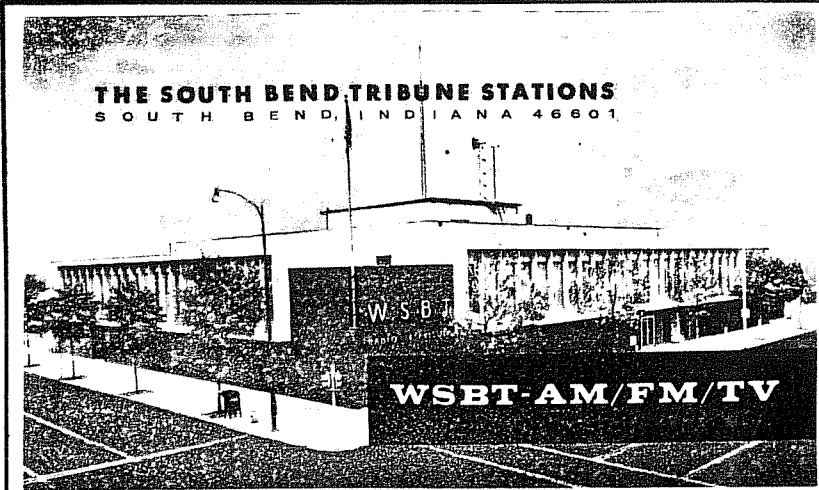
KEY: Comments inside square brackets [] are editorial comments. Ignore them if you dare. **SSS:** Sunset Skip; **SRS:** Sunrise Skip; **SID:** Sung ID; **SS:** Spanish; **FF:** French; **OC:** Open Carrier; **TT:** Test Tones; **MX:** Music; **WX:** Weather; **QRM:** Interference; **QSB:** Fading; **QRU:** That's all there is, there ain't no more

CONTRIBUTORS to the column are: • **GS-MD:** Gardner Smith, Glen Echo, Md. Sony ICF 2010, 7600D • **MB-ON:** Mike Brooker, 245 Old Forest Hill Rd., Toronto, Ont. M6C 2H5. RF-2200, ICF-7600D • **TK-NY:** Tim Kridel, Box 147, Middle Island, NY 11953. Bearcat DX-1000, Palomar loop, two 130-ft. longwires NS/SE-SW. Uniden CR-2021 used now and again • **WPT-DC:** Bill Townsend, 4500 Conn. Ave., Wash DC

Photographs & QSLs

Karl Zuk recently invited EDXR members to send him photographs of yourselves. I too would like invite all EDXRers to send me photographs either of yourselves, or of your shack, or both. They can be any size (I have a process camera for half-tones) either B&W or color. Glossy B&W pics reproduce best. Matte color shots don't do too well. I will return all photos promptly and undamaged. Bruce sent me some of West Coast stations which will be appearing in DXM soon.

I also need QSLs that have zippy graphics. I have a whole bunch of them in my files, but I stopped QSLing about 20 years ago, and my files are full of stations that are long gone. If you have recent veries that you can part with for a few weeks (I gotta have the originals or very good photostats), please send them, and I will return them promptly after making PMTs.



Record Number of Station Sales in Washington, D.C. Tied to Decline in Popularity of AM Radio

By Mark Potts
Washington Post Staff Writer

Washington's airwaves are crackling with news of changes in ownership at local radio stations.

Since the beginning of the year, eight radio stations—more than 20 percent of the 39 stations heard in the area—have changed hands or announced plans to be sold. That's up from three in 1985, and analysts say the sales activity in Washington has been unusually heavy for a city of this size.

"It's an unusually high turnover for a market where there is ordinarily a very low turnover," said James Blackburn, of Blackburn & Co., a Washington broadcast-properties broker. "There was very little turnover of the major stations for many years."

Although the sales lack a common thread—the reasons range from bankruptcy to bad ratings to changes in corporate strategy by major broadcasting companies—the shifting ownership reflects some national broadcasting trends, including the dominance of radio-station chains and the declining popularity of AM radio stations.

The local radio stations changing hands over the past year range from tiny outlets like WXTR-AM in La Plata, Md., to giants like WTOP-AM and WAVA-FM. They include four FM stations and four AMs (WTOP, WXTR, WMTG and WNTR).

Although the prices of most of the transactions have not been made public, or are impossible to determine because the stations were sold as part of a group, analysts say the values of FM stations are appreciating, while AM stations are declining in value.

Analysts say there has been a great deal of shuffling of properties among broadcasting companies in the past couple of years, since the FCC eased the rules on radio-station ownership and allowed one owner to have as many as 12 AM and 12 FM stations.

"It's difficult now for any AM to find a profitable niche, and it's extremely difficult for a small suburban AM..."

But while the changes in ownership at Washington-area FM stations have been attributable to divestiture or expansion decisions by corporations, the changes on the AM side of the radio band have often been more chaotic—and the prices much less.

Once the dominant radio-broadcasting medium, AM radio has lost favor in recent years as the high quality of FM's sound has made it the medium of choice for most programmers, advertisers, and listeners.

"The continuing problems that AM has... are no

secret any more," Redpath said.

"Right now, from a technical point of view AM delivery musically is far inferior to the FM, and that's where AM has been losing out," said Ted Dorf, vice president and general manager of WWRC-AM.

Unable to match the music quality of FM stations, many AMs adopt talk or news formats—and watch FM music stations run away with the ratings.

"The continuing problems that AM has... are no secret any more,"

AM's problems are particularly visible in the Washington market. Of the 29 Washington area stations covered by the summer ratings done by Arbitron, 11 were AM outlets—and they accounted for just 18.7 percent of the total listening audience. And of those 11, two—longtime local powerhouses WMAL-AM and WTOP-AM—garnered more than half of the listening audience, leaving the other nine to divvy up just 8.8 percent of the Washington radio market.

"It's hopeless for them to hope to get a major rating in the Washington area," Blackburn said. "It's difficult now for any AM to find a profitable niche, and it's extremely difficult for a small suburban AM... A suburban AM would depend entirely on local advertising, as opposed to any national business, and ordinarily they're hopelessly outgunned by other, more powerful facilities when they're under the umbrella of a major market."

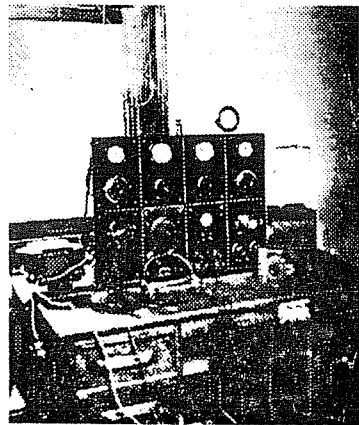
Said Redpath: "That makes for some pretty lean times at those stations, and consequently you're going to have some financial problems at those stations, and that's why you've had some stations sold at bankruptcy auctions."

Indeed, in addition to WUST-AM's bankruptcy, two other local AM stations, WMTG-AM and WNTR-AM, have been sold at bankruptcy auctions in the past year.

The other two were sold for other reasons: WTOP-AM was part of the purchase of the Outlet Communications Group, and WXTR-AM was sold when its owners decided to concentrate on its higher-rated FM twin.

WMTG, WNTR and WXTR all sold for well under \$1 million apiece. And analysts say the prices of AM stations are declining, as evidenced by WMTG's auction price of \$525,000, compared to the \$750,000 the previous owner paid for it two years ago.

Excerpted from *The Washington Post*, November 10, 1986



A History of Radio WSBT South Bend, Indiana

WSBT went on the air in September 1921 on an experimental basis. In July 1922, the station was approved and officially dedicated, using the call WGAZ. In 1924 the station was rebuilt and steel windmill towers were erected atop The Tribune building. In 1925 the call was changed to WSBT (The South Bend Tribune). In February 1931 the transmitter site was moved to Western Avenue. In 1932 WSBT became affiliated with the CBS Radio Network. In 1941 WSBT moved to 960 kHz and went fulltime, day and night. WSBT's sister station, WSBT-FM took to the air on August 12, 1962, but WSBT pioneered FM broadcasting as far back as May 1943 with the callsign W7ISB, which ceased operation on January 31, 1950.

Original WSBT transmitter, 1921

1030 WBZE MD Indian Head, 10/22 1830 poor w/sign off, better 10/25
advising listeners to tune to WBZ. [KDF-IL]

1040 CIOF BC Vancouver, 11/3, 0055-0117 w/pop mx, "1040 AM Radio" IDs
Vancouver mentions, BC Lions PSA. [KDF-IL]

1150 KFHM TX San Antonio, 11/5, 1849, poor, fade up w/special program
Texas mentioned, tent. as no ID hrd. [JDF-IL]

KIMM SD Rapid City, 10/30, 1906, fair, state & local news with
talk of Reagan's visit to Dakotas. [JDF-IL]

KNED OK McAlester, 11/5, 1843, poor but alone, OK wx, SID [JDF-IL]

WMST KY Mt. Sterling, 11/3, 1747, on top w/standards, spots, farm
auction report, ID by woman DJ. [JDF-IL]

1200 KYOO MO Bolivar, 11/3, 1900, poor u/WDAI & KFNV w/country music
ID. [RK-IL]

WAGE VA Leesburg, 11/1, 1700 fair u/unID w/ID & Mutual nx. [KDF-IL]

1210 KLDI WY Laramie, 10/27, 1927 o/WCAU w/sports, ID, local political
spot, music. [KDF-IL]
\\VERI-TIP: Veri signer 8/86 was Chris Heck, Chief Engineer
Box 818, Laramie, Wyoming 82070. [JJC-MT]

WBIU LA Denham Springs, 10/14, 1931 fair w/ID & oldies mx,
mentions of Baton Rouge. 1932 pattern switch. [KDF-IL]

WGSF TN Arlington, 10/10, 1917 fair w/spots for nearby Memphis,
ID, feature on Simon & Garfunkle thru WCAU, WILY. [KDF-IL]

1220 WTCN MN Stillwater, 10/30, 1903, good o/WGAR w/C&W mx, ID, wx.
How long have they been Ex-WVLE? [JDF-IL] (Call change was
reported in DX Monitor Broadcast Info list 9/14/85. Ed.)

1260 KFGQ IA Boone, 11/3, 0201-0205 F.C. w/WNDE, u/WDKN. [KDF-IL]

WCLC TN Jamestown, 11/5, 1742-1745, o/WNDE & WIBV w/sports, nx,
promo for College Football coverage, oldies mx. [JDF-IL]

WDKN TN Dickson, 11/3, 0207 w/ID, TT DX Test o/WNDE, KFGQ. [KDF-IL]

1310 KFKA CO Greeley, 10/30, 1909, poor, briefly on top w/local and
national sports w/emphasis on Denver Broncos, o/WIBA then
quick fade. [JDF-IL]

1350 KYXZ AR Cabot, 11/6, 0701, fair w/SSB & S/On, News. [RK-IL]

1360 KKBJ MN Bemidji, 10/30, 1857, fair, on top w/C&W mx, mentioned ABC
news at hour, ID. [JDF-IL]

1370 KGNO KS Dodge City, 10/30, 1859, poor, hrd while pursing an unid
w/ID at hour, into CBS News. [JDF-IL]

1420 KTOE MN Mankato, 10/30, 1854, good & almost alone w/spot for HiSchl
football coverage, wx, top 40 mx. [JDF-IL]

WGAS NC South Gastonia, 11/9, 0559:30, good. Tuned into S/on, then
fast fade. [RK-IL]

1430 KEZW CO Aurora, 10/27, 2053, poor u/CJCL w/ID, woman DJ, into what
was probably standards. [JDF-IL] (Format is EZ-Mx Ed.)

KRGI NE Grand Island, 10/30, 1840, fair on top most of early eve.
w/lcl spots, wx, ID as "KRGI, The One You Turn To" [JDF-IL]

KYKN OR Keizer, 11/14, 1030, strong o/KTYN w/local news, sports,
C&W mx, "KYKN First With Country". OR#35. [JJC-MT]

1440 CJOI AB Wetaskiwin, 11/12, 1030, weak w/NX, light rock. [JJC-MT]

KDNT TX Denton, 11/5, 1827-1836, fair-poor w/unusual nx briefs,
ID, pop music. [JDF-IL]

WPRZ KY Paris, 11/3, 1732, o/WROK null, w/Rummage sale report, swap
& Shop program recap, spots for S&W Market. [JDF-IL]

1460 WJYI GA Buford, 11/5, 1900, poor w/S/Off on PSSA. "JDY" ID [RK-IL]

1480 KKCC MN Fosston, 10/30, 1841-1852, fair w/spot for moose & deer
processing, ID by woman DJ, C&W mx, Paul Harvey's "Rest of
The Story" at 1845. [JDF-IL]

1490 KTRR MO Rolla, 11/2, 1837, poor o/slop w/ID, lcl wx, fade. [JDF-IL]

1510 KZZI UT West Jordan, 11/16, 1900, strong o/KGA, SS, music, spot for
Coors in SS. 1915 s/off in SS then in EE by woman. "Radio
Frontiera" & "KZZI" (in SS) IDs. UT#52. [JJC-MT]

1520 KSIB IA Creston, 10/30, 1835, o/KOMA w/"Autumn Outdoors Radio" prog
Spots. [JDF-IL]

1550 KQXI CO Arvada, 10/30, 1852, w/call in program on Halloween tips,
Spot for Rocky Mountain Dodge. [JDF-IL]

1560 KKID OK Sallisaw, 11/2, 1900, fair, w/WPAD w/S/Off by man. Invite
to FM, No SSB. [JDF-IL]

1570 WKBH WI Holmen, 10/26, 0112 on top w/"WKBH Stardust 16" IDs, big
band & MYL-type mx, sedate anncr. o/KUXL's sign off, and
CKTA. [KDF-IL]

1600 KDAK ND Carrington, 10/30, 1915-1922, fair mix w/KCRG w/C&W mx,
local spots, Halloween safety PSA, "KDAK wx check" woman
DJ. [JDF-IL]

KTNS TX Plano, 10/19, 2000, good. "News-talk...KTNS, Plano" then
into ABC News. Lots of spots. [TML-IN]

WESTERN DX ROUNDUP

2301 PACIFIC AVE, ABERDEEN WA 98520

Phone for hot WDXR tips: (206)532-6827 7-9pm local time

DEADLINES: Mondays in December, Tuesdays in January

REPORTERS FOR THIS ISSUE:

- (TRH) Tim Hall-350 G St. #F-1-Chula Vista, CA 92010
ICF-2010, Radio West loop
- (BH) Bill Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
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- (NH) Nancy Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
FRG-7, Radio West loop
- (EH) Ed Hoffman-P.O. Box 125-Burlington, WA 98233
Kenwood R-1000, 2' box loop
- (CK) Chris Knight-598 S. Calrion Dr.-Pueblo West, CO 81007
Kenwood R-1000, 4' box loop
- (BN) Bill Nittler-Box 824-Mancos, CO 81328
HQ-180
- (DP) Doug Pifer-4786 Macadamia Ct.-Oceanside, CA 92056
FRG-7000, MW-1
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio, GE long-range portable, SM-2

OF SPECIAL INTEREST:

- 530 CJFT ON, Ft. Erie 11/12 0510 poor but clear with end of sports news, ad for a Toyota dealer in Ottawa, many mentions of Ottawa, into song "Two Out of Three Ain't Bad," ID "CJRN," CHFS and 2MG7-531 QRM. Slogan "Ottawa's favourite station." Apparently relays CJRN-710. New, #807. (CK-CO) (A very good catch. You have the honor of the season's first Penguin Pat, Chris.--NH)
- CFHS ON, Ft. Francis 11/9 0232 apparent tape of tourist info, starting with "Welcome to Ontario," stressed the importance of exchanging U.S. currency for Canadian currency, ending with "This is CFHS, Radio Ft. Francis, an information station of the Ministry of the Province of Ontario," another station (rock music) barely audible under CJFT (?). Thanks to Robert Kramer for tip! (CK-CO) (This one deserves a Penguin Pat also!!!--NH)
- *****
- 530 TIS ??? 11/9 0428 a TIS for an international airport. Morse code at start of loop tape, sounding like "KNID 798." The "K", "N" and the "9" & "8" are positive. 2 YL anncr's. Anyone have a list of these stations? Parking info. Barely audible. Suspect Salt Lake City due to loop bearing NW/SE. (CK-CO) (KNID798, Denver Stapleton Airport. See 12/28/85 DXM, p. 5, "TIS Update" by Bruce Portzer.--NH)
- 540 WDAK GA, Columbus RHM-WA, this station was WEIZ when you logged them. I wrote "not WEIZ" because at the time I logged them, the call change (back to WDAK) had not been listed anywhere. It turned up in NRC DX News the following week. (TRH-CA)
- KNAK UT, Delta 11/14 0824 briefly o/CEK with talk & IDs by YL DJ. (EH-WA)
- 590 KSSK HI, Honolulu 11/9 0451 fair with "K-59" slogans, rock music. KLSN partially nulled. (EH-WA)
- 620 KTAR AZ, Phoenix SM 11/9 0315 has been noted carrying nostalgia program "Chuck Cecil's Swingin' Years" on SM instead of usual news-talk format. (TRH-CA)
- 630 KTKK UT, Sandy-Salt Lake City 10/25 0236 fair ID "AM 63, Utah's Talk Radio." (DP-CA)

- 650 CKOM SK, Saskatoon 11/12 0452 loud & almost alone in WSM null with rock music, "65 CKOM" jingle. New, #806. (CK-CO)
- 660 KCRZ WA, Hoquiam 11/12 heard ID 1536 between rock songs. I'm not sure when this Pirate came back on the air, probably in the past week. (NH-WA)
- 670 KPUA HI, Hilo 10/25 0300 fair in tight KBOI null, YL with weather, small craft advisories. New. (DP-CA)
- 690 KKUA HI, Honolulu 11/9 0235-0242 fair in CBU null with locals XETRA-690 and XEGM-950 both off for about 2 hours this evening. Univ. of Hawaii Rainbow Warriors FB game. (TRH-CA)
+11/11 0554 fair with rock music, TC, IDs. XETRA nulled. (EH-WA)
- KHEY TX, El Paso 11/14 0812 good with weather for El Paso, ads, IDs. XETRA off. (EH-WA)
- 700 CKRD AB, Red Deer 11/9 0517 xlnt with "Radio 7" slogans, rock music, IDs. Ex-850. (EH-WA)
+11/10 0305 good at times o/KPAM/WLW with ID "...the best of yesterday, and the best of today, Radio 7, CKRD," into "Human" by Human League. Freq. change, ex-850. (RW-CA)
- 710 CHYR ON, Leamington 11/3 0600 fair with relig. program, IDs and news. (EH-WA) (Shouldn't CHYR be on 730 until sunrise?--NH)
- 720 KUAI HI, Eleese SM 11/9 0414 fair, putting a dent in KDWN with oldies, YL IDs. Hawaiians stronger than usual tonight. (TRH-CA)
- 750 KOAL UT, Price running KOAL Radio Auction 11/3 1940, phone #837-KOAL, and topping 750 later at 2245 with C&W. Prompt verie says they moved from 1230 10/31. (BN-CO)
- 770 KKOB NM, Albuquerque now using these calls on the hour but still using KOB calls the rest of the time. Heard 11/12. Was trying for what was almost certainly CHQR under them. (BN-CO)
- CHQR AB, Calgary 11/9 0320 briefly good & constantly u/KOB with rock music, ad for "O 'Claire Estates," "QR 77" slogans. New. (CK)
+11/14 1823 ad, 1824 TC and "QR 77" slogan. Very strong with KRPM nulled. Ex-810. (NH-WA)
- 850 CKRD AB, Red Deer 11/8 0630 fair u/KOA with loop tape telling listeners to tune to 700. (TRH-CA)
+11/10 0155 good at times o/KOA with various music, ID "...CKRD has moved to 700 kHz on the AM dial, with 50,000 watts in AM stereo...", not // CKRD-700. This loop tape repeated every so often between music. Per call to CKRD, they have actually moved to 700, but their old 850 xmtr is still operating, reminding listeners they're now on 700. Basically it's just a "reminder," and that the 850 xmtr will be shut sown "in a week or so." The problem is, how do I count this 850 xmtr, since CKRD is officially on 700 now, and it's not a twin? New station, or what? (RW-CA) (If you hadn't heard CKRD on 850 before, it would be new station for you. If you had already heard CKRD on 850, it would count as a relog. That would be my policy.--NH)
+11/11 u/KOA 2015 "CKRD has moved to 700 with 50,000 watts of AM Stereo. Please move your radio dial to 700." Nothing further was heard although music had been heard earlier like Neil Diamond's "September Morn." 700 was all KPAM/WLW. (BN-CO)
- 900 CKBI SK, Prince Albert 11/9 0307 poor u/Cuba with weather forecast (current temp. 15°), football scores, ID. (CK-CO)
- 950 KMTX MT, Helena SM 11/9 0113 fair, dominating channel with KAHI. OM PSA for food bank, weather around state. No sign of KIMN with XEGM off. (TRH-CA)
+11/13 1808 weather, ID and TC. Poor through KJR. (NH-WA)
- 960 KFMV UT, Provo 10/25 0328 fair with "96 K-F-M-Y" ID then listener dedication. (DP-CA)
- 980 CKRM SK, Regina 10/25 0344 quick TC "CKRM time 12:44." (DP-CA)
- 1060 KFNA TX, El Paso "Radio Fina" in almost nightly around 2000 beginning 11/6. Good signal in SS. (BN-CO) (Ex-KAMA which has taken over 750 kHz.--NH)
- 1130 KBMR ND, Lincoln 11/14 1813 fair in CKWX null with news, weather for Bismarck into C&W music. (EH-WA)
- 1150 WJBO LA, Baton Rouge 11/8 0414 poor to fair u/KIIS, KSAL with ABC Talkradio, IDs. Glad to finally get the ID on tape for this one. (TRH-CA)
- 1180 "RM" FL, Marathon 11/4 2300 SS, good with smooth LA music, "Aqui Radio Marti" ID. Mentioned serving Cuba. New. (CK-CO)
- 1230 ?KAMJ? AZ, Phoenix Fri 11/7 0338 probably them with "FM 101" IDs. Soon faded. Nightly pests KEZD-1230, KSON-1240, and KTMS-1250 were all off AN tonight! (TRH-CA)

- 1230 (KEZD) NY, Las Vegas 11/7 noted off AN. (TRH-CA)
 KRSY NM, Roswell 11/7 0354-0504 poor, fading in & out at various times with C&W music, IDs, "Crazy Radio" slogan. New. (TRH-CA)
- 1240 ?KSAC? CA, Sacramento 11/7 0753 poor with ad for what sounded like "Sacramento Magazine," then racetrack ad and ID that sounded like "12-40, KSAC." (TRH-CA)
- (KSON) CA, San Diego 11/7 noted off 0330-0707, back on 0707-0709 simulcasting FM, then off again. Turned transmitter on & off repeatedly from 0758-0840, then returned to air. (TRH-CA)
- KELK NV, Elko 11/7 0521-0545 fair with KLTN, KNRY. Ads for local production of "A Christmas Carol," lots of IDs & jingles. (TRH)
- KLTN NM, Albuquerque 11/7 0511-0514 poor with SS music, OM MST TCs, ID at 0514 "Kah-ehleh-teh-eneh, Radio Latina, la...de Albuquerque." Note that KJOP-1240 also uses "Radio Latina" slogan, so be careful. New, NM #21. (TRH-CA)
- 1250 KUUK AZ, Wickenburg 11/7 0806-0846 fair-good with KTMS OC. DJ Ron with IDs, slogan "One great song after another," ads for Smuckers, Sears. New, AZ #58. (TRH-CA)
- (KTMS) CA, Santa Barbara 11/7 0335 totally off, leaving XEDL. Noted with OC later on. (TRH-CA)
- KDHI CA, Twentynine Palms 11/7 0900 got this most-wanted at s/on with KTMS still running OC. Killed by KWSU s/on a few seconds later. New, CA #180. (TRH-CA)
- WREN KS, Topeka 11/7 0655-0732 very weak with NBC News, US net news (both at odd times, oldies music, ID during promo for Kansas State Jayhawks FB. New, KS #9. (TRH-CA)
- KWSU WA, Pullman 11/7 0900 fair o/KDHI with s/on by OM. KTMS still running OC. (TRH-CA)
- KKFX WA, Seattle 11/7 0554-0626 weak o/XEDL with KTMS off. Rock music (seemed to be Black AdCon format), legal ID 0602, other IDs as "12-50 K-Fox" after every 2 songs. New, WA #14. (TRH-CA)
- 1370 KXTL MT, Butte 11/17 0017 good in KEEN null with rock oldies from 1960's, "13-XL" slogan (I think they used that slogan years ago as KXLF which is now a TV-only callsign), promo mentioning Butte. Last I knew they had a satellite format, so I believe a format change. (BH-WA)
- 1440 KDIF CA, Riverside 11/3 2111 SS, Mexican music, call ID by OM DJ. Ex-KPRO. (CK-CO)
- KEWI KS, Topeka 11/8 2032 good mixing with KPUR, others with "Music from the 50's, 60's and 70's," call ID and "Keewie" slogans. Call change, ex-KSKX. (CK-CO)
- 1450 KDMN CO, Buena Vista 10/24 1935 with high school football playoff and positive IDs & ads for Buena Vista area. Prompt verie received. (BN-CO)
- 1500 KSTP MN, St. Paul-Minneapolis 10/25 0507 fair, YL ID "K-S-T-P Talk-radio" followed by Talknet. (DP-CA)
- 1540 KSKQ CA, Los Angeles 10/25 0519 in SS, many IDs as "K-Q," "Ka-Coo" also "Radio Espana." (DP-CA)
- 1590 KCNN MN, E. Grand Forks 11/13 0359 good with Larry King, ID into CNN News. (EH-WA)
- 1600 KRXY CO, Lakewood began a new schedule 11/12 with 12 hours of sports shows daily and eventually intends to become the first all-sports station. (BN-CO)

ID'ing an unID:

- 1330 KFAC CA, Los Angeles Chris Knight, this has to be your unID in Vol. 24, #7. (DP-CA)

UNIDS:

- 1210 11/10 0540 unID TT under KPRZ, looping SE. Suspect KPRZ now using their 5kw xmtr as they boom in here now! (RW-CA)

Remember that during December I'll have Monday WDXR deadlines. Besides the slower mail delivery during the Christmas rush, I'll be working Tuesdays instead of the normal Mondays, so a Tuesday deadline may be pushing things. I work 9-6, and by the time I get home and feed Billy, then make dinner for Bill & I it's usually 7:30. A WDXR column takes anywhere from an hour to eight hours to type (that's not counting the time it takes to edit, cut & tape any reports that may come in that day's mail). See you all next week! ☺

DX

WORLDWIDE EAST

We'll start off this week with some SW-MW information: For those trying to log the 860-Dominican Republic station (Radio Clarin), the parallel on 11700 kHz is still on, but on an irregular basis as I've noted. Also, I saw in one of the Ozark Mountain DX Club's bulletins recently a logging of the Cuban Radio Vajntiseis (26) on 3246.4 kHz (actually reported by Steve Reinstein of DX South Florida), as well as a mention of the three MW outlets being heard simultaneously (1220, 1230, 1240). The ID noted was "R. 26, Cadena Provincial, un profesional de sonido". If you're DXing the Cubans on any of the three MW outlets, you may also want to check for a possible SW // (it was also mentioned that the SW was non-harmonic). On 11/12 around 0100 I again heard the unusual "birdy" (actually sds/ik a whobbly squeaky wheel at a high rate of speed) on 1574.95a and 1585.2a. This was in the wake of another wave of Cuban jamming activity. Can anyone suggest a possible source for this transmission?? Is anyone even hearing it? When it's in here, it's best on the LA beverages, so Cuban jamming is an outside possibility. This week we have a fine report from Richard Eckman, and some TA's from EDXR editor Gardner Smith. Times are reported in UTC:

* * * * *

TRANS-ATLANTIC DX

- 684 SPAIN, Seville 2332 11/11: My ICSS light suddenly lit up with a lock, and the signal slowly came up to perfect copy. Castillian Spanish. (Smith-MD)
- 1374.2m ST. PIERRE & MIQUELON, 2318 11/11: Measured frequency. In good with strange het against 1377. (Smith-MD) (Why would a TA het be unusual, Gardner? ed)
- 1521 SAUDI ARABIA, Doha 2303 11/11: Awesome signal, covering up WWKB w/Koranic chanting. Strongest ever heard. (Smith-MD)
- 1566 unID's, 2305 11/11: Two strong TA's battling it out. One of them is PP, so probably Azores (the time is right. ed). (Smith-MD)

PAN-AMERICAN DX

- 610 unID: SS faded up with the Cuban Rebelde and CHNC @ 0349 11/13. Is there a Cuban Reloj here too? Nx for Guatemala noted (although the true Guatemalan here is super-unlikely). (Hall-PIT)
- 1060 MEXICO, Mexico DF 0130+ 11/14: Looking for midwest skip domestics in KYW null. SS faded up: ID "....de R. Educacion" & classic ad w/horse whinnies. Mixing heavily with WFLE at times. (Hall-PIT)
- 1175.5a unID: Apparently some type of fuzzy carrier (s) here 0200a 11/12 - non-TV! so maybe something directed to 1180-Marti? Causing considerable noise in AM on 1180. (Hall-PIT)
- 1350a VENEZUELA, unk 0212 11/12: w/deep het on 1350 domestics. SS would occ fade up = w/domestics - seperation was tough. Determined as a YV in September, but can't ID which one. Anyone (Hutton et al) know which one is here on about 1350.2-3? (Hall-PIT)
- 1505 ANGUILLA, The Valley 0100 11/12: Up to fantastic level (better than 9/12 AU) w/Carib. accented man (:EE) w/anmets, Caribbean vocals @0030, later w/US mx including some CW/pop crossovers. 0100 ID "This is Radio Anguilla.....?...." into internat'l news items, mostly about the US. Have they shifted the 0100 VOA slot? (Hall-PIT)
- 1565.5-6 unID, caught a travelling carrier, abruptly off @0038 11/12. Het from TA 1566 (prob. Azores). Down 2-3 hundred hz inside of 1-2 minutes. (Hall-PIT)
- 1580 ANTIGUA, 0110 11/12: St. John's VOA relay in well atop channel w/birdy QRM (see Intro). (Hall-PIT)
- 1595 unID, carrier at 0105 11/12 - Ecuador? (Hall-PIT)

DX REPORT FROM CAMBRIDGE, ENGLAND: (Eastern England, UK, about 50 miles NE of London. ed)

- 1010 UNITED STATES, NY, New York WINS 0103 11/12: Likely the American heard with news and weather giving temperatures in fahrenheit. Only fair and fadey this AM. (Eckman-UK)
- 1220 BRAZIL, Rio de Janeiro 0043-0110 11/9: R. Globo to good peaks w/ID's at 0059, "R. Globo noticias" at 0100. Very fadey signal. I had to come all the way to England to hear this country! (Eckman-UK) (Nice catch, as well as the others, ed)
- 1521 CHINA, Urumqi: Noted many times in September/October, e.g. 10/11 1900 w/IS, RR ID under mixture of Kosice and Spaniards. Apparently, this is a fairly common reception in Europe. (Eckman-UK)
- 1562 PORTUGAL, Covilha 0110 11/9: V. good w/60's US pop mx //666 kHz. Very likely the one heard by easterners last season. (Eckman-UK) (Rich, many thanks for your help in IDing this for us. ed)

**1566 t KOREA, Cheju : Possibly the intriguing unID heard several times in September/October. Very good on 10/26 2016-2035 w/normally dominant mix of Sarnen, Sfax, unID RR Mayak, and jammer partially nulled. Program was religious mx in EE and oriental lang, talk in oriental lang. App. s/n noted on 10/11 1857-1900 w/bells playing rlg. tune. Will keep trying for more positive ID material. (Eckman-UK) (Sounds like you're onto a great catch, Rich)

* * * * *

Since I've started using the "PIT" designation for myself in DXR, I have also started using it in DXWM to avoid any unnecessary confusion. Richard Eckman, thanks for the great report - please report as often as possible. Along with Bill Harms, it's great to have two Europeans reporting in DXWM-E. I have procured a copy of the FCC's Cuban Standard Broadcast List (contacted the right man in D.C. and got one FOC) - I will be glad to send a copy to you if you enclose an SASE with 39¢ postage and an IRC or anything to supplement the cost of copying and mailing. It is eight pages and covers the entire BCB for Cubans. Thanks for all the positive comments on the column - it's not easy sometimes. Please let me know if you have any problems with DXWM-E.

CREDITS:

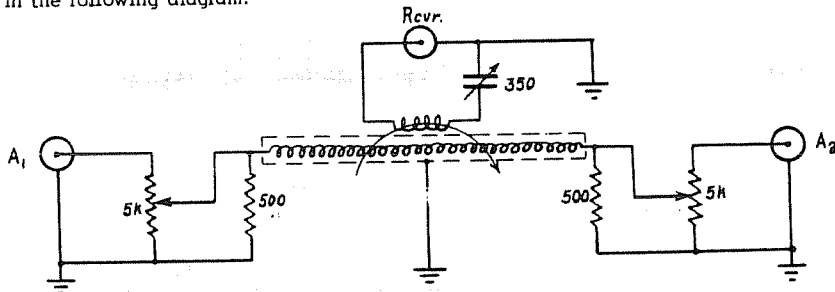
- (Eckman-UK) Richard Eckman, Dept. of Phys. Chem. Lensfield Rd, Cambridge, ENGLAND UK
(Sony ICF-7600D, Shotgun loop) CB2 1EP
- (Smith-MD) Gardner Smith, 1000 Perry St. NW, Washington, D.C. 20017
(Satori 2010, 7600D, Zen loop)
- (Hall-PIT) Jim Hall, Editor 240 Byron Road, Pittsburgh, PA 15237-4015

PHASING NETWORK FOR BEVERAGE ANTENNA

Following is a brief description of the phasing network used in conjunction with the beverage antennas at Powder Springs, Georgia.

This network consists essentially of an artificial transmission line, with a combination of the desired and undesired signals being fed into one termination, and the undesired signal being fed into the other termination. Provision is made for coupling the receiver to any point along this 'transmission line'. It will be found that the phasing of the two sets of signals varies progressively along this line; if this line is sufficiently long one or more points will be found where the undesired signals will be out of phase and will cancel out leaving the desired signal. This is on the assumption that the ratio of the desired to undesired signal differs on the two antennas being used to feed the transmission line network.

The network as actually constructed consists of a relatively long single layer inductance with shunt capacitance to ground being provided to simulate a transmission line. Connections are as indicated in the following diagram:



The coil consists of about 12 inches of "20 enameled wire wound on a 3 inch form. Both an outside and inside electrostatic shield is used to provide a uniform shunt capacitance to ground. The pickup coil consists of about 30 turns of the same size wire and is arranged to slide over the main coil; this coil is tuned for improved pickup. Both ends of the transmission line " are terminated to eliminate standing waves as far as practicable; resistors R1 and R2 are provided for adjusting the amplitude of the signals being fed into the network. When operating the combination of the desired and undesired signals is fed into one antenna terminal and the undesired signal is fed into

the other antenna terminal. The position of the pickup coil is then varied until a point is found where the undesired signal begins to phase out; the appropriate potentiometer is then adjusted along with the pickup coil until the signal has been effectively reduced.

The use of this system is of course limited by fading and changing phase relationships on the antenna employed, but has nevertheless been found quite useful in a number of instances where the desired degrees of rejection could not be obtained with the absorption type network which has been employed in the past.

52 OHM coaxial transmission line may be used for coupling a radio receiver to a beverage antenna by providing a suitable coupling transformer as follows:

All coils should be "close wound".

The astatic shield may be of tinfoil or thin copper "shim" material. Scotch tape is useful in folding over the ends of the shield to prevent a closed turn.

In order to further minimize any capacity unbalance, the winding to the coaxial line should be a center tapped, reversed winding coil. After the first half of the coil is wound and the center-tap is reached, the direction of the winding is reversed. Viewing the coil form from one end, the winding should progress in a counter-clockwise direction to the center-tap, and then change to a clockwise direction for the remainder of the winding.

The center-tap should go to the coax shield (ground), and the outer extremities of this winding could be paralleled and go to the coax center lead.

-via Glen Kippel

Transformer Data:

Coil Form: Bakelite, 3 7/8" I.D., 4" O.D.

Secondary: 32 turns D.S.C. #26 B & S, center tapped, reversed winding. (52 ohm)

Insulation: 2 turns 1" varnished cambric insulating tape.

Astatic Shield: 7/8" broken turn tinfoil, grounded.

Insulation: 2 turns 1" varnished cambric insulating tape.

Primary: 60 turns D.S.C. #26 B & S. (700 ohm)

Mounting: Housed in center of round copper shield can 8" diameter and 5" deep with a continuing 3" skirt for terminal strip weather protection.

DX Worldwide - West



PAT MARTIN

P.O. BOX 843

SEASIDE, OR 97138

Time: UTC phone (503) 861-3185

DEADLINES: 12/2, 12/9,
12/16, 12/22.

PAN-AMERICAN DX ROUNDUP

- 760 CUBA, La Habana-CMBD 0201 11/9 SS good w/typical Radio Reloj format, slight KSJL ORM (CK-CO)
- 890 ECUADOR, Machala-HCRS6 0654 11/9 SS good in WLS null w/LA ballads, mentioned: "...en este fin de semana Radio Superior" clear ID. (CK-CO)
- 900 CUBA, Cacocum-CMKB Radio Progreso 0700 11/9 SS fair good w/Nx Radio Progreso ID (CK-CO)
- 930 COSTA RICA, San Jose-TI.. 0528 11/5 SS, Excellent(!) and alone briefly w/ light SS mx clear ID "Este es Radio Costa Rica, en la frecuencia de 930 KHZ, onda media" Signal equal to semi-local KIMN-950! (CK-CO)
- 1110 MEXICO, Mexico City-XERED 0404 11/5 SS briefly good o/KFAB and another LA (sounded XE) with "Radio Red" slogans/jingles. New. XE #111 (CK-CO)
- 1180 CUBA, LaFe-CMOD 0413 11/5 SS, man w/nx, time ticks, "Radio Reloj" pip and "R" in code. Poor in QRM (CK-CO)
- 1260 MEXICO, Ojinga-XEOG-11/14 0219 SS good w/ranchera mx "Radio Ranchito" jingles, ads, KPOW, KVSF QRM (CK-CO)
- 1610 ANGUILLA, 0115 11/9 EE good S-9 Caribbean Beacon w/man preacher beeper QRM slop from 1600 (CK-CO)

TRANS-PACIFIC DX ROUNDUP

- 549 UNID, 10/20 def'net hrd here 1355 some sort of chimes at 1400.5 and possibly a woman in ort. lang. This is the closest I've come to a station here. (PB-WA) (This could have been the NHK station with the mx box theme. PM)
- 590 HAWAII, Honolulu-KSSK 11/8 0720 w/K-59 jingles and rock oldies mx w/KLSN and unid. (PB-WA)
- 819 JAPAN, NHK1? 10/25 1200 NHK type pips (...)-after woman with a couple of short anmts in JJ? then nothing for a couple of minutes, then another different woman fades up in what first sounded like KK but could have been JJ. Pips were od higher tone than those hrd on 828. Which station is this? (BP-WA) (It sounds like you had the Korean and the JJ mixing. Any comments Charlie Taylor? PM)
- REPUBLIC OF KOREA, Kwangju? 10/27 lush violin mx 1157 before pips (...)- at 1200 followed by KK I believe. This Korea? (PB-WA)
- 828 AUSTRALIA/JAPAN, 3GI/JOBB 1300 10/30 6 pips mixing w/NHK pips (...)- heard simultaneously on tape of 830. JJ on top later over powering 830. (PB-WA)
- 830 HAWAII, Honolulu-KIKI on top here w/r/r mx and "KIKI" IDs 11/29 1102 mixing w/WCCO on occasions (BP-WA)
- 837 AUSTRALIA?, Rockhampton-4RK-UNID also? two sets of 6 pips of the two different freq. slightly out of sync 10/24 at 1400. The last pip of the set in background was higher in pitch and longer than the other five. Pips were followed by anmts in EE (possibly S/off) into anthem (Australian N/A?) followed by about 30 seconds of a loud tone. At end of tone, there was a faint mumble left. Faint mx was also heard at 1419. (PB-WA) (That sounds like the Aussie. You may have had NZ in there also. PM)
- 846.6v KIRIBATI, 11/3 0712 solid carrier here w/bits of mumbled audio noted again 11/8 0858 w/island mx. Are they still drifting around? (PB-WA) (They have been fairly stable since the last time. PM)

- 864 UNID, Japan or South Korea? music and talk 1355 10/8 woman talking 1358 which sounded like JJ (...-) pips at 1400 and into talk that sounded KK. JJ stations are not NHK, so maybe this is KK? But does KK use NHK pips (...-) (BP-WA) No, KK pips are different, but I'm not sure what the commercial JJ on 864 use. (PM) (Ideas Charlie? PM)
- 850 HAWAII, Hilo-KHLO 0612 11/7 break in music for long detailed report from local foot ball game. "Hilo vs ?" man man w/Hawaiian accent. At the conclusion man said "...for KHL0 sports" and then back into mx. (PB-WA)
- 1053 REPUBLIC OF KOREA, jammer here w/loud carrier, subdued and rumbled audio 1257 10/8 (PB-WA)
- 1116 UNID, six pips and mumblehrd 10/17 1400 and possibly mx afterwards Other DUs noted and looped DU. (PB-WA) (Sounds like possibly NZ. PM)
- 1314 JAPAN?, 10/7 at 1356.5 w/man and woman talking in what sounded KK? Possibly a single pip at 1400 and into talk by woman in JJ. (PB-WA) (Maybe you had KK and the JJ mixing. PM)

HELP WITH UNIDS

INFO from Charlie Taylor: Re your HLKN-1467 11/8 DXM just about all HLS KBS and private callsign ID just before the pips on the hour...Also doubt that the organ mx on 702 would be DZAS as generally protestant groups do not use organs in their church. DZAS was about-80 Hz when I left Okinawa in 1984. The hummer on 846 could be DWRV.
 Re: GKs 1035 UNID 11/1 DXM BCC Taiwan pips lag (or lagged in 84) NHK/KBS pips by about 1/10 second. Perhaps this is his "slow time pips". (Thx Charlie. PM)

THANKS TO THESE REPORTERS:

- PB-WA PHIL BYTHEWAY-9705 MARY N.W.-SEATTLE, WASHINGTON 98117
 SPR4, 2X4 foot triangular loop with single FET Pre-amp.
- CK-CO CHRIS KNIGHT-598 SOUTH CLARION DRIVE-PUEBLO WEST, COLORADO 81007
 R-1000, 4 foot Box Loop

Geomagnetic Indices

Here is the Geomagnetic activity for the last several months. Flux is the Ottawa NRC 10.7 centimeter (2800Mhz) radio flux observed at approx 1700Z. The A and K indices indicate the amount of activity, the A being taken once a day and the K taken 6 times a day (below is the last K of the day), at Fredericksburg, VA.

DATE	FLUX	A	K	DATE	FLUX	A	K	DATE	FLUX	A	K	DATE	FLUX	A	K
6/9	69	6	3	7/13	72	8	2	8/23	68	26	3	9/26	68	21	3
/10	68	14	3	/14	72	5	2	/24	68	19	4	/27	69	22	4
/11	68	7	2	/15	72	4	2	/25	69	19	3	/28	70	15	5
/12	68	6	2	/16	72	7	3	/26	69	13	2	/29	71	12	3
/13	68	10	3	/17	73	11	3	/27	68	18	3	9/30	71	4	1
/14	70	8	2	/18	72	5	2	/28	68	11	3	10/1	71	8	3
/15	69	6	2	/19	71	5	2	/29	69	20	4	/2	72	20	3
/16	69	8	3	/20	71	4	2	/30	68	23	5	/3	72	13	3
/17	68	9	3	/28	70	10	3	8/31	68	18	3	/4	71	5	2
/18	68	9	2	/29	72	17	3	9/1	69	9	2	/5	71	13	3
/19	67	5	3	/30	71	11	3	/2	68	20	3	/6	73	12	2
/20	67	7	2	7/31	71	11	3	/3	68	8	3	/7	74	3	1
/21	67	8	1	8/1	71	6	3	/4	68	7	2	/8	75	5	1
/22	68	8	3	/2	70	5	2	/5	69	9	3	/9	75	6	3
/23	67	6	1	/3	71	19	4	/6	69	8	2	/10	74	2	1
/24	66	8	1	/4	70	22	3	/7	69	5	1	/11	74	4	2
/25	66	2	2	/5	70	10	3	/8	68	6	2	/12	76	2	0
/26	66	5	3	/6	70	7	1	/9	68	5	1	/13	76	22	5
/27	66	27	5	/7	70	3	2	/10	68	6	2	/14	75	23	2
/28	66	21	3	/8	69	8	1	/11	68	13	5	/15	72	11	2
/29	66	10	3	/9	69	10	3	/12	68	49	3	/16	80	7	2
6/30	66	12	4	/10	69	7	2	/13	68	20	4	/17	83	5	2
7/1	67	9	2	/11	67	9	2	/14	69	13	3	/18	21	11	3
/2	66	14	3	/12	67	12	3	/15	71	14	2	/19	89	17	3
/3	67	9	2	/13	66	14	1	/16	70	8	3	/20	93	10	2
/4	67	8	2	/14	67	5	2	/17	69	13	3	/21	92	11	2
/5	69	7	3	/15	68	7	2	/18	68	19	3	/22	95	5	0
/6	72	6	2	/16	68	5	2	/19	68	17	2	/23	99	5	1
/7	70	4	2	/17	67	6	1	/20	68	19	5	/24	98	2	1
/8	69	7	3	/18	67	3	0	/21	68	12	1	/25	96	3	2
/9	70	7	2	/19	68	6	2	/22	68	3	2	10/26	95	3	2
/10	73	6	1	/20	69	16	3	/23	68	35	5				
/11	72	3	1	/21	69	27	4	/24	68	23	4				
7/12	71	6	2	8/22	69	24	4	9/25	69	22	5				

via Phil Bytheway

EASTERN DX FORUM

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This column typed: 11/15/86

S. D. Warren, Route 2, Box 285, Nettleton, Mississippi 38858
Hello again from Mississippi. The new season had a slow start with less activity on the clear channels. WGSF-1210 ex-1220 Arlington, Tenn. finally made the change in August. WGSF announces as "West Tennessee's official oldies station" and broadcasts in stereo. WGSF is strong during the day but WCAU and Cuba still dominate the channel at night. WZBR-1170 ex-1520 Amory, Miss. also moved in August and now simulcasts WZIX-FM 100.1 Artesia-Columbus with usual ID as "2-100". KYOO-1200 ex-1130 Bolivar, Mo. was logged here in July on its first day on 1200 and every day since then. (hi) I wonder if they now have regular listeners in the Bahamas and Jamaica. (hi) KHOG-1030 Farington-Payetteville, Ark. has apparently left the air. KHOG's 10 kw. once gave WXSS Memphis considerable QRM around sunset but has not been heard for several months. WXSS has also been weak recently allowing for more distant stations to be heard on the channel. WBZE Indian Head-Washington is sometimes heard around sunset. WBZE leaves the air inviting listeners to stay tuned to 1030 when WBZ Boston can be heard until WBZE returns to the air. Maybe other stations should do this instead of attacking the FCC for refusing their night operations. (Is WBZE owned by the same people who own WBZ?--rce) Hearing WMIN-1030 Maplewood, Minnesota in October was a real surprise. In Oct., 1985, I phoned the station to inquire about their plans for 50-kw on 1030. I was told by a station official that WMIN was on 50 kw with an East-west pattern. Since this did not favor Mississippi and WBZ, KCTA, WXSS and KHOG were all strong here I felt WMIN was very unlikely to be heard here. KFLT-830 now appears to be one of the easiest stations from Arizona but very difficult to get an ID from. KFLT fades in a short time before Tucson sunset and often reduces power with no clues as to where the station is located. Few Mississippi stations are operating at night on the Mexican "clears" with only WACR-1050 received here. On 1570 WONA and WHII (MS) as well as stations in Alabama, Tennessee, Arkansas, and Louisiana still leave the air at sunset so it appears that much of EXERF's QRM is from states to the east and north of here not nearby stations. WDKT-730 Ala. and WAXO-1220 Tenn. are operating at night. For my latest DX Catches check CDXR. 73 from Mississippi.

Tim Kricel, Box 147, Middle Island, New York 11953

It seems there is quite a debate about what is or is not worthy of being in the roundups. I don't think we should be concerned about how far away the station is from the reporter, but what is being reported. Here's why. Suppose I report WHN, even though it's only about 75 miles away. This comes in quite clear for me and is no big catch. However, for somebody like Robert Kramer out in Chicago, it's about 800 miles and probably doesn't do that well in that part (though I'm not sure). Suppose Robert has been trying for this station for a long time. If my report to EDXR contains announcer or show names, slogans or other things that may help a fellow DXer, then this may aid Robert in QSLing or at least getting a definite logging of the station, especially if it's in the mud. If my report just says "Good, with weather, DJ chatter, and country music", then my report is nearly worthless because it contains nothing of substance, and darn well ought to be edited. (Yet, wouldn't even that help the guy chasing an elusive UNIDer who plays classical, since it rules out a possibility?--rce) That's really what is the problem, and Karl Zuk hit it on the head in his comments in the 7/12 EDXR. "Get a show name, a DJ's name... just like a QSL report... Something someone else could use to pick up that station." I think that's the real problem, not so much whether the station is DX. The Round-ups were created, I believe, to help fellow DXers. I'd like to hear other comments on this hot topic. 73s.

Richard E. Berg-Andersson, 47-11 48th Avenue, #1, Woodside, New York 11377

I read with great interest the Forums by Ernie Cooper and Karl Zuk on the "continuing content controversy" which appeared in the 11/1 DXM. I must side with Karl here: who is to say what tips are valuable to which DX'ers? Who is to determine what, indeed, is "local" at a contributors' QTH? There must be some way to balance the needs of the experienced DX'er with those of the beginner to whom, say, WEI (Boston)'s ID heard under WROW (Albany) in New York City, on a multiband portable still smacks of

the exotic. Today, that would not be DX to me, but not too many years back, it would have been, and it certainly would have dampened my enthusiasm to be told "Oh, you've never heard real DX! Come back in a few years when you've heard some", or some such. Like Ernie Cooper, I don't like controversy in the IRCA. I'd prefer to read the Roundups - including WDXR, with its multitude of stations I have no hope of receiving here. But, unlike many radio clubs, we are a democratic club, and democracy implies debate which-in-turn may engender controversy, which, in my opinion, can be healthy. It is not healthy when Richard Wood, one of 666 premier radio hobbyists, resigns as our President, or when Robert Kramer gives up an editorship because he fears the future of the DXM. The club needs their wisdom and experience (both DX-wise and club-wise), as well as that of Ernie Cooper and Richard Evans and countless others who I don't mean to slight by not mentioning their names. However, I have encouraged my own brother - Erik Anderson, of Madison, N.J. (and Amherst, Mass - where he attends U. Mass) - to join IRCA, which he did this past September. He's a newcomer to the radio club scene and MW-DX'ing in general, and - since he's still learning - you may not see many contributions from him to our columns for awhile. But, hopefully, someday he will contribute, and it would be unfair to him and the others like him who are swelling the ranks of this wonderful (and-in many cases - even impractical) hobby to turn DXM into a publication solely for the "technocrats" among us. 73 and best of DX to all.

John H. Demmitt, Box A K0848, Bellefonte, Pennsylvania 16823

I believe it is about time someone spoke up against the self-censorship we are imposing on ourselves. I can appreciate why someone living in West Germany might get upset seeing some loggings of the big 50,000 watts stations listed in the pages of IRCA but has the news reached you yet that there are a lot of new stations on these frequencies making it difficult for the 50,000 watt to be heard at times in certain locations? Have you been seeing some of the stations pushing the high power listed in the daytime? Have you noticed the programming content listed for the stations? Karl Zuk said it best when he printed all the loggings because he realized there is a need for information for DX'ers as well as monitors. We are being unfair to the editors and the membership when we form little groups and demand only our own interests should be covered in the publication. These unfair demands will only create tension within the club, and you will see less instead of more...if you see anything at all. When a reporter realizes some of his logs will not be printed, he will be seriously thinking he may as well not report anything at all as he will never know what is going in file 13. Why should he use his time, paper and postage only to find his material censored? Had I known that IRCA was going to impose self-censorship, I would not have renewed my subscription but since I already have, I may as well speak my mind. I've seen a lot of clubs fall apart when groups within each club started pulling apart. It seems wise to provide both groups with what they are looking for so lets stop the censorship. 73.

RAY BRIEM SHOW//ABC TALKRADIO

3RD ANNUAL "D X SPECIAL"--SATURDAY JANUARY 10, 1987--0806 UTC

Here's your chance to plug your favorite club and air your favorite DX-related topic on national radio! Our in-studio guests will be Paul Swearingen, Monitoring Times columnist and NRC musings editor, and Stewart MacKenzie, president of the ASWLC. Joining us by phone will be Bob Grove, Publisher of Monitoring Times, and Dr. Bruce Elving, publisher of the FM Atlas. Later in the morning, we'll also speak with Tom Kneitel, editor of Popular Communications, and George Jacobs, worldwide radio engineering specialist, among other notable personalities from the DX world. We would also like to hear from you, if you're outside the Los Angeles area, just call 1-213-879-8255 during the show. When you call in, just let the phone keep ringing. We'll save you a few bucks, and answer just before your turn to go on the air! This program will be heard nationally -- some key stations include WABC-770, WPRO-630, WTKN-790, WERC-960, WJBO-1150, WKIS-740, KPRC-950, KRNN-930, KTAR-620, KABC-790, KFBC-1530, KXL-750, and KGU-760. Program times may vary a bit, so be sure to check your local schedule. Any information, inquiries, ideas, etc. are welcome -- just send them to:

Greg Hardison
KABC Radio
P.O. Box 79
Los Angeles, CA 90016



Western DX Forum

★ ★ ★ ★

IRCA — The #1 Choice of the Broadcast Band DX'er

Editor: Ric Heald • 8539 Bellamy Way • Sacramento, CA 95828 USA • (916) 386-8677

1986 DEADLINES — WEEKLY ON TUESDAY 11 DAYS PRIOR TO PUBLICATION DATE

TIM HALL, 350 G St., #F-1, CHULA VISTA, CA 92010-4505 (619) 426-3584
24 HR NSP (Phone machine if I'm out)

Hello everyone and greetings from North Tijuana, hi. First of all I'd like to thank Doug Pifer for his kind words in 01 November WDXF, and to join in congratulating Robert Wien and Jim Hilliker for their DX achievements. I think getting good catches is mostly a function of how much time you spend DX'ing - if you listen often enough, you're going to get the good breaks. I often stay up on weeknights to listen for SP's, and even though some nights I get absolutely nothing, other nights I get a windfall. This Friday morning (07 November), KEZD 1230, KSON 1240 and KTMS 1250, all pests, were all off ALL NIGHT LONG, and seven new stations were logged: KRSY 1230, KLTN 1240, KELK 1240, KKFX 1250, KUUK 1250, WREN 1250, and KDHI 1250. By the way, both KJOP and KLTN use the slogan "Radio Latina" on 1240 so be careful.

Recent veries include CKOM 650, KUPL 1330, KGYN 1210, KLKE 1560, KSHO 540, KRTH 930, CIOF 1040, CKAL 1050, KGEO 1230 and KEST 1450. CKOM said I was their farthest American report (most of their reports are from Scandinavia). As for KLKE, I still have no real idea how they got on 1560 that night (see 01 November WDXR). I strongly suspect XERF had something to do with it. KRTH has just printed new QSL cards, so this might be a good time to send them a reception report. PD at KGEO said mine was the most impressive reception report he's ever seen, and he awarded me a KSEO "Trivia Champ" t-shirt. I've been getting a lot of good comments from stations since I wrote my own custom reception report writing computer program a few months ago. It's a lot more eye-catching than just using a word-processor.

Speaking of word processors, if anyone wants a bandscan from my recent Las Vegas and Utah trip, just send me a SASE. I'll throw in a list of addresses from stations I've called recently (probably 30-40 stations). These addresses will be sent to NRC AM Switch column if they ever get the new log published.

While registering for Grad School at San Diego State University last week, I noted that KCR 550 is still on the air. Station may be heard along I-8 from I-805 to SDSU exit, if you're in the area. Gotta go, see you in WDXR/WDXF. (Bet KCD wishes they had the power the former 550 San Diego station had, hi-Rth.) 73 de TRH

JACK WOODS, P.O. BOX 1003, WALDPORT, OR 97393

The first storm of the winter season moved in from the Pacific October 26, bringing moderate winds and rain from southern BC to northern California. As the storm passed inland I looked for improved DX. Found a TIS on 530 giving traffic reports for I-5 in the Seattle area. Also, the TIS on 1610 presumably near Stevens Pass (in the Cascades east of Seattle) was coming in much better than previously heard. Had been checking 530 for a TIS since last summer. This was the first time than any had been heard, at this location, and haven't heard one since (this being written 13 November). The straight line distance from my location to Seattle is about 200 miles.

This enhanced TIS reception is of course not earth shaking evidence of a connection between DX conditions and surface weather, but it wasn't a major storm, hi.

I'm putting together a list of articles and publications which discuss the correlation between conditions in the lower atmosphere and those of the ionosphere. A considerable number have been published. Also, in recent years the nature of the ionosphere has been found to be considerably different from that taught to us years ago. For example, sporadic E, which was at one time attributed to meteor trails, is now believed to be commonly caused by winds or turbulence in the E layer. 73.

JOHN C. JOHNSON, 979 NEPTUNE BLVD., BILLINGS, MT 59105-2129

It's a pleasure to let you know I'm now your CDXR editor. I'll try to offer a column as well as your former editor plus try to help bring back some of the pride IRCA was known for. I encourage reports of your DX tips and loggings. I would like those "central" members who have never sent in

tips or who had had experiences in the past in reporting tips to send in your reports. You will notice a difference, as I'm one of those DX'ers who consider this hobby a science, when one a totals of over 1,000 heard it turns into a science. However, I haven't forgotten my starting with KFI on a small portable back in April of 1962. I joined the NRC later that year. I'm a Charter Member of IRCA, understanding it's organization. I later logged many stations using an old Hallicrafter SX-16 in Sheridan, Wyoming. Much later in life I was able to afford my ICOM IC-R71A, and recently started using a Radio West loop as the condo association prohibits outside antennas. I'm 41, have been a master control operator at KTVO channel 2 since May of 1972.

Most recent veries are from CKEF 700, KROL 870, CKBY 1170, WCAU 1210, CHQM 1320, KMBI 1330, KOHU 1360 and CJVR 1420. KROL said my report was the third they had received. WCAU was for a report in 1985. WCAU had never veried my Sheridan loggings; a much welcomed verie for me. 73. (Congrats on your appointment to CDXR editorship. I'll be looking forward to reading it-Rth.)

PAUL SWEARINGEN, P.O. BOX 4812, PANORAMA CITY, CA 91412-4812

All right, all right, I'll "fess" up. 'Tis I with the BCBDXER license plates. I couldn't resist using them. Also, NRC's Bruce Conti has used "BCE DX" on his plates in both Rhode Island and New Hampshire, and NRC'er Relph Luton told me a couple of years ago that he has "BCB DXER" in North Carolina. I wonder who else in both clubs has taken advantage of some states personalized plates program to tout the hobby on their cars? (I believe the Hardys in Washington have "DXERS"-Rth.)

RIC HEALD, 8539 BELLAMY WAY, SACRAMENTO, CA 95828 Tele-Forum: (916) Evergreen 6-8677 to 2200 PLT & ppd

Ah yes, the power of the press, no matter how large or small the circulation, hi. Now, doggone it, I've got to shop around for a different set of license plates, hi. And no, I'm not moving to Nevada, hi.

Not much cooking on the radio front, or putting it bluntly, I haven't had it on. Last week I mentioned I'd found the source of my noise. Well, I "thought" I had. Must have been pure coincidence that after turning off the back door light, the other source was turned off simultaneously. So the noise is back, but not as strong indicating my light one of the sources. One thing I don't understand, this neighborhood has all underground wiring.

John, remembering first catches before "catching on" to the hobby reminds me that I had used a coat hanger for an antenna on a 5-tube Packard Bell portable back in 1959 and thought I was really hearing something when I ID KMJ 580 Fresno (daytime) from Oakland. Then again, nowadays that practically IS a good catch, hi.

Have tracked down exact (almost) QTH of KXOA 1470's towers. Had only spotted them from across the river at KSAC and glimpsed them from Business I-80. They're south of Hwy. 160, east of the river crossing (about three-quarters mile) and just north of the American River between the levee and the river, in other words, in a flood plain. No wonder they kept going off the air last February, hi.

Remember, if you live west of the Mississippi, you're in WDXF Country. Love to hear from all of you. Until next week, hope all had a great Turkey Day (Canada's was last month) and best of DX to all. 73 de Rth. .

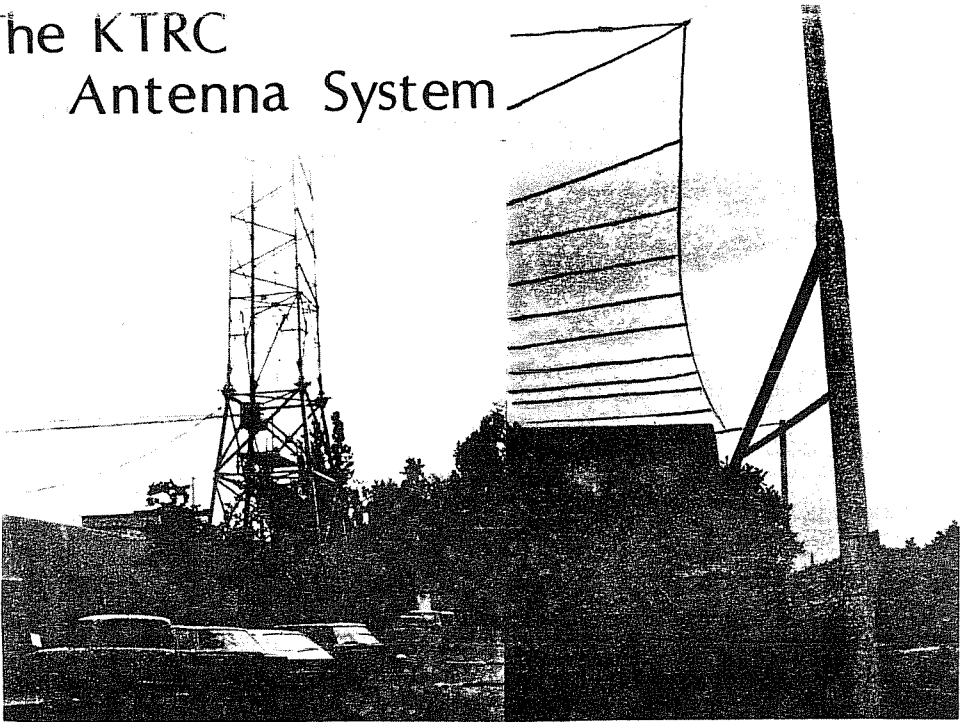
BRUCE PORTZER 6546 19th Avenue N.E. Seattle, WA 98115

Hi gang. This past week has be a good one DX-wise. There was TA reception for at least three nights in a row. Best signal was from Norway-1314 which produced audio all three nights, and was in as late as 12:30 AM PST on SM SM 11/23. That's by far the latest I've ever heard a TA, but given the very high latitude path, it's understandable how they could still be in that late. In fact, the path is also viable just before Seattle sunrise from now until late January -- sunset there will occur before sunrise occurs here for the next several weeks.

SM 11/23 also produced WOHO-1470. Not a new catch, but the first east-of-the-Mississippi regional channel logging in ages. It's really great to be hearing good DX again!

Re the current discussion on which loggings belong in DXR: the proposed programming column may very well be what is needed to separate the "real" DX from the non-DX. Some people are inclined to report a nearby 50kwr to DXR because it runs old-time radio broadcasts or Swahili programs at 2 a.m. That sort of logging would qualify as interesting reading and probably even interesting listening, but it's really not DX as such. As for the non-program DX, it all boils down to the reader's perceptions. One person's hot DX is old stuff for some readers; good DX for some is out of reach for others. In the end, everyone has to comb through the columns to find the stuff that interests them --- there's no other really practical alternative.

The KTRC Antenna System



One of the more interesting tower installations is at KTRC, Santa Fe, New Mexico, which operates on 1400 KHz with 1 kW fulltime. They faced a problem that a number of AM stations have had to deal with- the real estate where their ground system is plowed into the ground becomes almost as valuable as the radic station itself.

KTRC is located in downtown Santa Fe, and has a self-supporting tower beside its building. But, within the half-block surrounding the tower, only a small part is undeveloped and used as a parking lot. The rest has been built up, like the rest of Santa Fe, with single-story buildings. The station's ground system, under these buildings, would have been so inefficient that the station would have had severe signal problems.

So, a unique system was designed and built. The ground system was installed as a counterpoise above the buildings. Metal poles were erected at the corners of the property, along the sidewalks, forming a square, with a couple extra poles on each side between the corners. Then, a heavy wire was run around the perimeter of the block. The outer ends of the ground wires are attached to this heavy wire, about each 2 feet along the entire outer ends. The inside ends of each ground wire join a thick bus that is at the tower base, and about 25 feet in the air.

It appears that insulators were inserted in the tower legs at the 25 foot level, so the tower is "hot" from there up.

The metal poles look exactly like streetlight poles until you notice the counterpoise wires. This is the first AM tower sitting on the ground that I've seen that uses a counterpoise ground system. All rooftop tower installations must use some sort of counterpoise. Some are extremely rudimentary, perhaps consisting of a few wires stretched over the roof of the building on which the tower is erected, plus a connection to the metal structure of the building or the water pipes. Others are virtually identical to a "plowed-in" ground system, with 120 or more radials extending across as many roofs as they could get permission to do so. Of course, the efficiency of the ground system is equally important in determining the field of a radio station to that of the tower itself. Rooftop antennas traditionally have resulted in poor radiation compared to ground installations with good ground systems, clear of obstruction.

Many AM stations have lost parts of their ground system, as buildings are built over them, or as vandals steal the copper wire. These stations suffer dramatic losses in coverage. We know of no other station that has reacted to this problem as well as KTRC. A Class IV station can't afford to relocate out to a distant suburb because of extremely limited night-time coverage, so this was one solution that others may have to investigate.

The 1987 Frequency Check List

All times are in EASTERN LOCAL TIME, except checks with underlined times. In those cases, the check is run on standard time throughout the year. A number of monitoring companies cooperated with us this year in supplying their list of checks. They include Southwest, Northwest, FMS, Newsman-Kees, and Hutton. Additional information was also supplied by Robert Kramer/CADX and Dave Schmidt. Other information was gathered from the pages of "DX Monitor" and "DX News", and from WHFB-1060. Standard also provided a list.

FIRST MONDAY

0020-0030 WCNC 1240 NC T
 0115-0125 @*KILE 1400 TX T
 0200-0215 *KFGQ 1260 IA M
 0215-0230 KCUZ 1490 AZ T
 0225-0235 *KAAA 1560 SD T
 0300-0315 @*KVAC 1490 WA TC
 -0600 *WHFB 1060 MI T
 0315-0330 @*KSKR 1450 MT T

E - tests between these times with 5000 watts

SECOND MONDAY

0030-0040 *WHHO 1440 NY Ta
 0110-0120 @*KQNK 1530 KS T
 0130-0145 *KSDN 930 SD T#
 0200-0210 @KNEB 960 NE T
 -0230 *KVSF 1260 NM T
 0210-0220 @KRVOW 1450 WY T
 0220-0225 @KTCOV 1340 SD T
 0230-0235 @KCLV 1240 NM T
 0245-0300 WFGH 980 VA T
 0300-0415 @KEWI 1550 MO T#
 0310-0325 WCDT 1340 TN T
 0405-0410 @KEDS 1490 NE T
 0435-0450 @WSWV 1570 VA T#
 0515-0530 @WNBS 1340 KY T#
 @WNWJ 1560 IN T#
 0640-0645 @KSCB 1270 KS T
 -0650 @KEDD 1550 KS T
 0720-0730 @KWOR 1340 WY T
 0730-0740 @KICA 980 NM T
 0745-0750 @KMKR 1450 CO T
 0750-0800 @KPAG 1400 CO T

a - Monday in same week as 15th
 # - Monday after 2nd Sunday
 * - 5 min check this period
 x - time not specified
 S - 15 min before local a/on, or 0630 if earlier

THIRD MONDAY

0000-0020 @*WCBG 1590 PA T
 0001-0010 @WCON 1450 GA T
 0030-0040 @*WCHE 1520 PA MT
 *WHHO 1440 NY Ta
 0045-0100 @*WFTH 1590 VA M
 0050-0100 @WVFC 1530 PA T
 0100-0115 *KGT0 1050 OK T
 0110-0130 @WCHS 1050 VA T
 0115-0120 @WFBG 1290 PA T
 0125-0130 @WOND 1400 NJ T
 0135-0145 @WMBT 1530 PA T
 0145-0200 @*WBCB 1490 PA T
 0205-0215 @KPOK 1340 ND T
 0215-0225 @KYCN 1340 WY T
 0225-0235 @KSIL 1340 NM T
 0235-0245 @KSYX 1340 NM T
 0415-0425 @WILK 980 PA T
 0430-0440 @WJMA 1340 VA T

0435-0450 @WSWV 1570 VA T
 0515-0530 @WNBS 1340 KY T
 0530-0540 @WNNT 690 VA T
 -0545 @WSHP 1480 PA T
 0545-0600 @WNWJ 1560 IN T#

a - same week as 15th
 # - Monday after 2nd Sunday
 S - see 2nd MM for explanation

FOURTH MONDAY

0100-0115 *KCJB 910 ND T
 0105-0120 *KROX 1260 MN T

FIRST TUESDAY

0445-0500 @WSFC 1240 KY T
 0500-0515 @WHLN 1410 KY T
 0515-0530 @WKCB 1340 KY T
 0530-0545 @WEZJ 1440 KY T
 @WKLB 1290 KY T
 0545-0600 @WBGH 1340 KY T
 @WBDX 1030 TN T
 WNVA 1350 VA T
 0615-0625 @KWMC 1490 TX T
 0630-0640 @KKIK 1270 TX T
 0640-0650 @KDBS 1410 LA T
 0645-0700 @KRME 1460 TX T
 0730-0740 @KAFE 810 NM T#
 0750-0800 @KGLN 980 CO T#

x - 1st or 2nd Tuesday

SECOND TUESDAY

0005-0020 @*WSNJ 1240 NJ T#
 0020-0030 @WRAR 1000 VA T#
 0100-0110 @KFLA 1310 KS T
 0130-0135 KSIB 1520 IA T
 0135-0145 @WNWZ 1450 VA T#
 0200-0215 KTYN 1430 ND T
 0545-0600 KDLR 1240 ND T
 0645-0655 @KVLV 1240 TX T
 0730-0740 @KAFE 810 NM T#
 0750-0800 @KGLN 980 CO T#

x - 1st or 2nd Tuesday
 # - Tuesday after 2nd Monday

THIRD TUESDAY

0000-0010 @*WKEN 1600 DE T+
 0005-0020 @*WSNJ 1240 NJ T#
 0015-0030 @*WJUN 1220 PA T#
 @*WAHT 1510 PA T#
 0020-0030 @WRAR 1000 VA T#
 0045-0100 @WHOL 1600 PA T
 0100-0110 *KOLY 1300 SD T
 0120-0140 KBRX 1350 NE T
 0135-0140 @WNWZ 1450 VA T#

- Tuesday after 2nd Monday
 # - Tuesday after 3rd Monday
 + - 1 minute check

FOURTH TUESDAY

0000-0015 @*WPED 810 VA T#
 0015-0030 @WAYB 1490 VA T#
 @*WAHT 1510 PA T#
 @*WJUN 1220 PA T#
 0045-0055 @WCVA 1490 VA T#
 -0100 @WHOL 1600 PA T#

- Tuesday after 3rd Monday
 ! - Tuesday after 4th Monday

FIRST WEDNESDAY

0101-0110 @KGBC 1540 TX T
 0115-0125 @KSNY 1450 TX T
 0200-0215 @KINO 1230 AZ T
 0500-0515 @WSWV 1570 VA T
 0545-0600 @WSLK 1600 KY T
 0547-0555 @WEKY 1340 KY T
 0600-0615 @WMTL 1580 KY T

SECOND WEDNESDAY

0110-0120 @*KEAN 1280 TX T
 0145-0200 *WHUE 1400 TN T
 0205-0215 @KOPY 1070 TX TQ1

THIRD WEDNESDAY

0230-0245 KKIT 1340 NM T#

- possibly off the air!

FOURTH WEDNESDAY

0100-0110 WSMI 1540 IL T
 0200-0215 *WLSM 1270 MS T

FIRST THURSDAY

0025-0040 *WMCT 1390 TN T
 0100-0110 *WCPM 1280 KY T
 0110-0120 @KVSF 940 NE T
 0120-0125 @KOB 770 NM T
 0125-0130 @KZSS 610 NM T
 0130-0135 @KBCC 1020 NM T
 0200-0210 @KSNO 1260 CO Ta
 0210-0220 @KOGM 610 MT Ta
 0220-0230 @KDRG 1400 MT Ta
 0545-0600 @WRVK 1460 KY T
 @K1BL 1490 TX T
 0610-0620 @KLEV 1410 TX T
 * * * @WRLV 1140 KY T
 * * * @WIRV 1550 KY T
 * * * @WLNT 1140 KY T
 * * * @WFJT 1590 KY T

a - 1st or 2nd Thursday, but not before 5th of month
 * * * - 15 minutes before local sign-on

SECOND THURSDAY

0110-0120 RTGG 1090 ND T
 @KAMI 1580 NE T
 0145-0200 *KHAV 1520 ND T
 0200-0210 @KSNO 1260 CO Ta
 0210-0220 @KDJM 610 MT Ta
 0220-0230 @KDRG 1400 MT Ta
 0645-0655 @KPSO 1260 TX T
 0650-0700 @KKSL 1560 TX T

a - 1st or 2nd Thursday, but not before 5th of month

THIRD THURSDAY

0210-0225 WHII 1570 MS T
 0230-0240 @KIMH 1150 SD TS

s - 3rd Thursday or 2nd Saturday, months 1 and 7 only

FOURTH THURSDAY

(none)

FIRST FRIDAY

0445-0500 @WNOR 1330 KY T
 @WSVL 1520 IN Tw
 0540-0555 @WHIC 1520 KY T
 @WKAY 1490 KY T
 0545-0600 @WSVL 1520 IN Ta
 0630-0640 @KWRD 1470 TX T
 0650-0700 @KFHM 1150 TX T

w - winter
 s - summer

SECOND FRIDAY

0000-0015 @*WHBG 1360 VA Tx
 0015-0030 @WRTA 1240 PA Tx
 0040-0050 @WRAW 1340 PA Tx
 0115-0125 *KSCJ 1360 IA T

x - Friday after 2nd Thursday

Key:

- @ - regular check per monitoring company
- * - regular check per station and/or consistent reception
- T - station tests with tone
- t - station tests with dial tone
- M - station tests with music and/or tone
- C - station ID's with Morse Code

Other symbols defined in list.

SECOND SATURDAY

0110-0120 @KBRB 1400 NE Ta
 0200-0210 @KWIV 1470 WY T
 @KRBN 1450 MT Ta
 0210-0220 @KLMX 1450 NM Ta
 0220-0230 @KBHN 1230 NT Ta
 @KRDD 1320 NM T
 @KIMH 1150 SD TS
 0300-0415 @WHIX 940 IL Tx
 0330-0500 @WPAD 1560 KY Tx

a - 1st or 2nd Saturday
 x - time not specified
 s - 3rd Thursday or 2nd Saturday, months 1 and 7 only

THIRD AND FOURTH SATURDAYS

(none)

FIRST SUNDAY

0200-0210 @KWIV 1470 WY T
 0210-0220 @KRDD 1320 NM T
 0220-0230 @KRSY 1230 NM T

SECOND SUNDAY

0530-0545 @WLCK 1250 KY T
 @WSFC 1240 KY T
 0545-0600 @*WHOV 1360 WV T

THIRD AND FOURTH SUNDAYS

(none)

ANNUAL CHECK

0230-0231 @KROE 930 WY T!

! - last one was scheduled Jan. 10-15, 1985, still not set yet for next one

THIRD FRIDAY

0000-0015 @*WHBG 1360 VA Tx
 0015-0030 @WRTA 1240 PA Tx
 0025-0035 @WIVE 1430 VA Tx
 0040-0050 @WRAW 1340 PA Tx
 @WKBO 1230 PA Tx
 0059-0101 @WKAV 1400 VA Tx
 0145-0150 @WHGB 1400 PA Tx
 0200-0215 *KGAK 1330 NM T
 -0220 KRTN 1490 NM T
 0207-0215 @WFTR 1450 VA Tx

x - Friday after 2nd Thursday
 # - Friday after 3rd Thursday

FOURTH FRIDAY

0025-0035 @WIVE 1430 VA Tx
 0040-0050 @WKBO 1230 PA Tx
 0059-0101 @WKAV 1400 VA Tx
 0100-0115 KTLQ 1350 OK T
 0145-0150 @WHGB 1400 PA Tx
 -0200 *KSIW 1450 OK T
 0207-0215 @WFTR 1450 VA Tx
 0645-0655 *WRMS 790 IL T

- Friday after 3rd Thursday

FIRST SATURDAY

0110-0120 @KBRB 1400 NE Ta
 0200-0210 @KRBN 1450 MT Ta
 -0215 @*KLPZ 1380 AZ T
 0210-0220 @KLMX 1450 NM Ta
 -0225 @*KYCA 1490 AZ T
 0220-0230 @KBHN 1230 MT Ta
 0530-0545 WDDY 1420 VA T
 0545-0600 @WVKY 1270 KY T
 @WDOC 1310 KY T

a - 1st or 2nd Saturday

Updates to this list should be sent to:

Robert Wien
 1309 Dentwood Drive
 San Jose, CA 95118

Q. I listen to radio station WHII constantly. Can you tell me why the station loses power exactly 30 minutes before it is scheduled to go off the air? This happens every day of the year, even though the time that they leave the air varies according to the seasons. —G. L., Bellerose

A. WELL-AM is a daytime radio station, licensed by the Federal Communications Commission, to broadcast only during the daylight hours, from sunrise to sunset. During the summer months it is licensed to operate at 10,000 watts from 6:30 a.m. to 8:30 p.m. and during the winter from 7:15 a.m. to 4:30 p.m. Beginning in 1984, the FCC allowed WHII to extend its broadcast time an additional half hour each day year round, but using only 500 watts of power for the extra 30 minutes. William Dillon, the station's chief engineer, said that there is a pause of a few seconds when the switchover is made to the lesser power. Most AM radio receivers have a control that reacts to the change and automatically increases the volume to compensate for weaker signals. This month, the station is broadcasting from 7 a.m. to 8:15 p.m. with 10,000 watts and from 6:15

RESULTS OF THE 1986 BOARD OF DIRECTORS VOTING

Rich Toebe	6	Robert Wien	1
Steve Mittman	2	Dale Park	1
Richard C. Evans	2	Jim Hilliker	3
Jef Jalsun	4	Phil Bytheway	3

The winner of the vacant Board seat is Rich Toebe.

THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (510 - 1630 kHz). "DX Monitor", the official publication of the IRCA, is published 34 times a year, weekly from October to March, twice in September and April, and monthly from May to August. "DX Monitor" contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the Association of North American Radio Clubs.

CLUB ADDRESSES AND OFFICERS



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