

DX News

• Serving DX'ers since 1933 •



Volume 60, No. 19 - March 1, 1993 (ISSN 0737-1659)

Inside...

- 2 .. AM Switch
- 3 .. DDXD
- 12 .. KIOA
- 13 .. IDXD

- 17 .. TIS/Stan Morss
- 18 .. WWV Tour
- 19 .. Now and Then
- 20 .. Satellite DX Tips
- 21 .. Musings
- 23 .. Now and Then

Call	CPC Freq	Test Date	Calendar Date	EST Time
WWJZ	640	Mar. 1, 1993		0000-?
WKTX	830	Mar. 1, 1993		0100-0130
KGWA	960	Mar. 1, 1993		0300-0400
KPCR	1530	Mar. 8, 1993		0100-0300
WVCH	740	Mar. 8, 1993		0230-0330
WTNS	1090	Mar. 9, 1993		0300-0400
KWKY	1150	Mar. 15, 1993		0100-0130
KKAR	1180	Mar. 15, 1993		0100-0130
WSMI	1540	Mar. 24, 1993		0100-0110
WECO	940	Mar. 27, 1993		0000-0030
WLKW	790	Mar. 29, 1993		0000-0015

KWKY-1150 - P. O. Box 662 - Des Moines, IA 50303 will conduct a DX test from 1:00-1:30 am EST Monday March 15. The test will include Morse code, tones, voice ID's, and march music. Reception reports may be sent to Mr. Howard Kling, Chief Engineer. Arranged by J. D. Stephens for the IRCA CPC.

WSMI-1540 - P. O. Box 10 - Litchfield, IL 62056 will conduct a DX test between 1:00 and 1:10 am EST Wednesday, March 24. The test will include Morse code, tones, and voice ID's as part of WSMI's monthly frequency check. Reception reports accompanied by an SASE may be sent to Mr. Brian Talley (N9OWV), Chief Engineer. Arranged by J. D. Stephens for the IRCA CPC.

(Details for other tests listed above were in previous or will be listed in future DXN's.)

From the Publisher... Canadian members who may have received postage due notices on their DXN's should not receive any more, as we have moved the label to uncover the "A. O. Rate" message. We mail all DXN's to non-U. S. addresses at the Air Mail, Printed Matter rate to save some postage, in the case of Canadian addresses, 38c per copy. Contact your local postmaster if you have any more problems.

And now, I must offer abject apologies to about four dozen U. S. NRC members who did not receive their DXN's on time or at all last week. Why? Well, in the interest of saving money and time, I purchased a new labeling program, set it up with our members, and printed the labels, lickety-split. Problem is that I neglected to set a page size properly, and without any warning, every 12th member's label was not printed. Not knowing this, I reformed the list to provide the USPS with a file on disc to obtain CASS certification

(to save over \$100 per year in postage costs) and consequently was not sure which members did not have a label printed.

So ... if you did not receive your Vol. 60, #18, send me a postcard, and, red-faced, I'll send your missing copy.

Also, keep an eye on your label for the next few issues, first, to check for errors, and secondly, for corrections provided by the USPS, especially to your nine-digit ZIP code. We must have a correct nine-digit code to continue to mail your DXN at the 276 cents rate.

Finally if you change addresses, be sure to send your address correction to Topeka promptly. We currently have two members with several months left on their subscriptions whose issues have been returned as unforwardable. We're holding them and not mailing new issues until we receive address corrections.

AM Stereo ... Grant Manning reports that new-in-box Sony SRF-A1 AM stereo portables (the Walkman-sized, not the larger SRF-A100) may still be available at \$89, \$99 with adapter, from Craig Fox - WOLF Radio - P. O. Box 1490 - Syracuse, NY 13215, (315) 468-0908, per an ad in *Radio World* February 10.

DX Time Machine

From the pages of *DX News*:

50 years ago ... from the Feb. 27, 1943 *DXN*: Jack Quintrell, Washington, DC, told of his marriage on Feb. 12 to Peggy who was to carry on his BCB DX after his induction into the Army at the end of the month after graduating from George Washington U. on Feb. 22 ... Frank Lee, Wildwood, NY, reported hearing 20 TA's between 5:30 and 7:00 pm.

25 years ago ... from the February 24, 1968 *DXN*: Ron Schatz reported on his visits to XEDX-1010 and XEPF-1400, Ensenada, BC, plus XERB-1090 ... Norm Maguire's "Supremacy Ratings" listed the top ten DX'ers verifying countries as A. Slater (127), B. Dangerfield (104), R. Anderson (97), H. Gustafson (89), H. Robie (81), A. Merriman (73), D. Reynolds (69), R. Millar (65), C. Freeman (60), and A. Rugg (53).

10 years ago ... from the February 28, 1983 *DXN*: George Hakiel, W. Islip, NY reported hearing LRA1-870 Buenos Aires on January 25 at 0601 ... Bill Bailey, Holden, MA reported a tentative on 1386 from Kaliningrad on Feb. 9.

AM Switch

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

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

CALL LETTER CHANGES

None! We have seen a grand total of 3 call changes for AM stations in the last 5 weeks.

APPLICATIONS/GRANTS FOR NEW STATIONS

None

APPLICATIONS FROM EXISTING FACILITIES

None

GRANTS TO EXISTING FACILITIES

1580 WCCF FL Punta Gorda: powers to 160/106 U1 (appears to supercede existing CP for 710/430)

OTHERNESS

970 KQAQ MN Austin: silent station is ON THE AIR
1010 KPSS CA Thousand Palms: silent station is ON THE AIR
1080 WLWN AL Brantley: silent station is ON THE AIR
1090 WJKM TN Hartsville: license TERMINATED and call letters DELETED (according to MSJ this station was silent and had returned to the air and filed for renewal but the FCC misplaced the application. Station claims the FCC has corrected this error so do NOT cross off WJKM in your Log until further notice)
1100 +App FL Jensen Beach: application for new station has been DISMISSED
+App FL Loxahatchee: application for new station has been DISMISSED
+App FL Palm Shores: application for new station has been DISMISSED
+App FL Umatilla: application for new station has been DISMISSED
+App FL Palm Beach Gardens: this is the only remaining application for a new station from all of the above mutually exclusive applications which MAY indicate a grant of this facility is pending.
1110 +App FL Parkland: application for new station DISMISSED
1120 +App FL Vero Beach: application for new station DISMISSED
1230 CFFB NWT Iqaulit: a few issues ago we typo'd call as CBBF
1310 WGSA PA Ephrata: license TERMINATED and call DELETED
1340 KSEK KS Pittsburg: station now relays KNHN-1340 Kansas City, KS. (MSJ shows a synchro transmitter somewhere between these two stations, can anybody in that area confirm this and its location)
KSID NE Sidney: station now relays programming from KIMB-1260 in Kimball, NE
1360 KHNC CO Johnstown: new station is ON THE AIR, first day was 2-15-93.
1480 KFMQ NE Lincoln: station is SILENT



73 and Good DX, *Jerry & BKE* Jerry Starr & Buffalo K. Fooman

Domestic DX Digest

North: Bill Hale

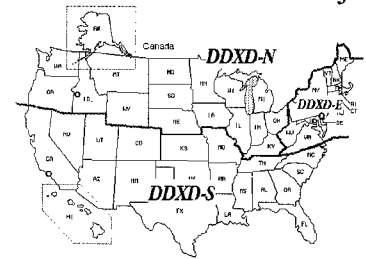
495 Creekview Drive - Meridian, ID 83642-3241

South: Duncan Shaw

2618 Ellendale Place, #3 - 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. ELT

DDXD North



MEDIUM WAVE RAMBLINGS

- Another comment from John Baumgarten about his new Superadio III . . . *is really a pretty good radio, but still not quite what the Superadio II is, especially on FM.* (See initial appraisal in Issue 17).
- Another new reporter to Welcome this week. Barry Wasylik, who lives in Winnipeg, Manitoba checks in with an unID for us to unravel.
- More scuttlebutt off FidoNet (which, I guess came from Radio & Records) sez that Adams Communications is selling their radio stations. This includes KOOL Phoenix. No word on the satellite-delivered KOOL GOLD programming from SMN. More from the doggie-net . . . KNHN-1340 Kansas City is buying KSEK-1340 Pittsburg, Kansas and will simulcast their news format on the two stations. The writer also said they were building a new tower at Amoret, Missouri [about half-way between the two cities on the state line -Ed.] and will transmit off all three towers. Don't know how they'd pull that off. Maybe AM Snitch will have something on this in time to come.

SPECIAL

- 580 CKWW ON Windsor - See CKLW-800. (REH-ON)
790 KGHL MT Billings - 1/1 0150 - Now | 95.5 FM; IDs as *The New KGHL, AM and FM.* (MH-NE)
800 CKLW ON Windsor - The CRTC has okayed the CHUM Ltd application to buy CKLW-AM/FM giving them all four of Windsor's commercial stations. As a result, CKLW's *Music of Your Life* will move to 580 and CKWW's news-talk will switch to 800. At this time, they are uncertain if the call letters will also be switched. Change is scheduled for March 1, 1993. (REH-ON)
860 KSFA TX Nacogdoches - 2/8 0300 - ID *The all-new 860, KSFA. Now C&W.* (MH-NE)
1030 W??? MN Maplewood - 2/2 0302 - Over/under KTWO in WBZ null with somber REL music and legal ID: *You're listening to the Bible Station W???-AM Maplewood - Minneapolis - St Paul. CL definitely not WMIN . . . closer to WCPF.* (REH-ON) [There is an FMer in the Twin Cities on 100.3 with the call letters of WCTS that the FM Log says is a gospel station. Maybe they've taken over 1030? - Ed.]
KTWO WY Casper - 2/2 0259 - With IRN and legal ID. In several times the past few weeks. *May be operating off-pattern.* Get 'em while you can. (REH-ON)
1140 WRMQ FL Orlando - 2/1 1815 - With uptempo SS music and quickie sign-off in SS: *WRMQ Orlando. La nueva Radio Musical. Add slogan to Log.* (REH-ON)
1290 KOIL NE Omaha - Is now C&W | KXKT 103.7. The ID as *KT-103.* KOIL will still run lots of local sports. (MH-NE)
1360 WLCM SC Lancaster - See 1390 later on. (REH-ON)

- 1370 WCCN WI Neillville - In most nights doing a job on semi-local WSPD-OH though listed at only 42 watts. Log changes: Format is NOS and sked is 24 hours. (REH-ON)
- 1390 WLCM MI Charlotte - 1/24 1241 - Over nulled WHOT with C&W music and taking requests at 543-8200. Into *Community File* with mailing address as Box 338, Charlotte 48813. Legal ID @ 1300: AM 1390 WLCM Charlotte. USA News at :00. Sked is 0600-LSS. In Michigan., Charlotte rhymes with *Car Lot*. Ex: WNNY. I don't remember seeing the old WLCM (1360) as changing calls or the station being deleted. Needs a Starr Search. (REH-ON) [Issue 13 had the CL change for 1390, although it listed Char-lotte as being in SC. This (the state error) was corrected in Issue 16, but nothing 'bout 1360 in SC being deleted - Ed.]
- 1480 KYNN NE Lincoln - They ID as KYNN, but have never seen the CL change in *AM Switch*. They are also C&W | 101.9, and ID as *Omaha's Young Country*. They are licensed to Lincoln, but have studios in Omaha. (MH-NE)
- 1580 WZKY NC Albemarle - 2/1 1823 - Saying *Now 24 hours a day, seven days a week*. Sked change for Log. (REH-ON)



WQIS - AM

- 1480 KYNN NE Lincoln - They ID as KYNN, but have never seen the CL change in *AM Switch*. They are also C&W | 101.9, and ID as *Omaha's Young Country*. They are licensed to Lincoln, but have studios in Omaha. (MH-NE)
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UNIDs and UNID HELP

- 700 UNID ?? - 2/8 2005 - Fair in WLW null with Michael Bolton music and DJ with a deep voice. This is a common unID heard about 1 hour after LSS, usually with CHR. (MH-NE) [You might consider CKRD-AB - Ed.]
- 880 UNID ?? - 2/5 2030 - REL program, which I think was called *Gateway to Joy* and was produced by Back to the Bible. Pattern change at 2030. I called KKMC, and they said it wasn't them. Maybe KJOJ stayed on day pattern too long? (MH-NE)
- 1030 WCTS? ?? - 1/30 0515 - Mix of business & REL format [Nothing wrong with that. Just ask Jim & Tammy and Swaggert and all those guys, hi - Ed.]. Announcement *Do you need a retirement plan when the Lord is coming - tomorrow we'll tell you how*. WCTS ID, but I can't find any such listing. (BW-MB) [See 1030 in SPECIAL on previous page - Ed.]
- 1060 UNID ?? - 2/8 2024 - ID as *The All-New 93* then either UC or CHR music (too weak to tell which). Anyone know of any AMs | to an FM around 93 MHz? (MH-NE)
- 1320 UNID ?? - 1/31 0840 - Poor with Mexican music. Possible whistle between SS talk. Radio (Centro?) non-ID at 0850. KRDD?? (SA-MB)

DX AND EQUIPMENT TESTS

- 600 WMT IA Cedar Rapids - 1/31 0102 - Good with lots of WMT1 CIDs from 0100-0132 and then lots of WMT3 CIDs from 0132-0200. Voice IDs and call-ins. Great test!! (SA-MB) [And less filling, hi - Ed.]
- 660 WMT IA Cedar Rapids - 1/31 0130 - Poor but lotsa CIDs; unneeded. (REH-ON)
- 660 KEYZ ND Williston - 1/25 - With possible CID under WFAN/CHYR slop, CHYR/WJR [(710-(760-710)=660) mixing spur and probable St. Lucia. CHYR stayed on 710 this Ayem instead of switching to lower powered 730 and really made a mess. (REH-ON)
- 690 KEWI AR Benton - 1/23 0300 - No voice, but oodles of KEW1 CIDs using 800 Hz TT. Poked through CBF during first half of test period. (REH-ON)
- 780 KAZN AZ Sedona - 1/25 0221 - With CID under WBBM and lotsa CKLW/WJR splatter. Also noted 20 seconds of TT at 0228. AZ #25. (REH-ON)
- 1070 WANM FL Tallahassee - 2/6 0001 - Poor with CIDs at 0001 repeated twice. Under KMOM/WTSO/WIBC. New for FL #4. (SA-MB)
- 1090 WMUS MI Muskegon - 2/5 0400 - Fair with CIDs at 0402, 0412, 0415 & 0420. Under KBOZ/KAAY. (SA-MB)
- 1180 KOFI MT Kalispell - 2/1 0400 - Nothing heard. Only WHAM & R. Taifo. Should have been easy. Probably a no show. (SA-MB) . . . Not heard; unneeded. (REH-ON) . . . Ditto here. It shoulda been a piece of cake, but didn't hear nuttin' but some C&W, and can't figure out who that might have been - Ed.]

- 1310 KAAM TX Dallas - 2/8 0200 - Not heard. It should have been a fairly easy catch. (MH-NE) . . . No test heard. Only KNOX/WIBA. (SA-MB)
- 1480 KLEB IA Ottumwa - 1/7 0108 - DX HEARD!!!! Long series of CIDs cut right thru strong WHBC and splatter from WRQQ-1470. I can see all three of the WRQQ towers from my backyard!!! ★
- KLEB IA Ottumwa - 2/7 0101 - Address given for those wishing to send signal reports, then CIDs began. Tough in KEZO-1490 splatter. (MH-NE)
- KLEB IA Ottumwa - 2/7 0100 - Good, mixing with WTDY with CIDs from 0102-0105. TT at 0106, then VID. 0107-0110 CIDs, then TT. 0112 CIDs. They were even easy to copy on the Superadio II. (SA-MB)
- 1590 WARV RI Warwick - 1/25 0330 - Over/under WAKR-OH with CID. Unneeded. (REH-ON)

TIS, NDBs and all that other fun stuff

- 521 TVX IN Greencastle - 2/8 0148 - One of the strongest beacons this evening. (MH-NE)
- TVC ?? ???? - 1/30 2044 - Good signal. UNID beacon, unless ORC Orange City, IA has a problem. (SA-MB) [Hmmm. C is --- and X is ---, so maybe you heard Greencastle (above) - Ed.]
- 526 HRD TX Hardin County - 2/8 0150 - New. (MH-NE)

MIDNIGHT TO 0800 HOURS ELT

- 580 CKY MB Winnipeg - 1/24 0001 - Very strong with KY-58 IDs. (MH-NE1)
- 600 KSJB ND Jamestown - 1/31 0100 - Good with sign-off saying they would be back at 5:30 A.M. local. Not 24 hrs as per Log. (SA-MB)
- 650 CKOM SK Saskatoon - 1/24 0125 - Nearly equal with WSM. (MH-NE1)
- 680 KNBR CA San Francisco - 1/21 0206 - Heard legal ID. (AM-IL)
- 740 WJUG TN Tullahoma - 1/31 0503 - Poor, under CBL OC with call letter ID and satellite ContChr music. (REH-ON)
- 750 CJWW SK Saskatoon - 1/24 0153 - With C&W music, then ID. Under WSB. (MH-NE1)
- 810 KCHG TX Somerset - 1/31 0102 - Poor with SS under KCMO, then a bilingual ID at :02. (MH-NE)
- 830 CKKY AB Wainwright - 1/24 0149 - Very strong with the *Nashville Record Review*. WCCO almost non-existent. (MH-NE2)
- 910 KXBB TX Sherman - 1/30 0159 - Good with SS and EE ID, and SS programming. (MH-NE)
- 930 WTAD IL Quincy - 1/26 0459 - With Larry King Show. (AM-IL)
- 960 KOOL AZ Phoenix - 2/8 0354 - Fair with OLD and ID at :00. (MH-NE)
- 1140 WSAO MS Senatobia - 1/21 0757 - With religion. (AM-IL)
- 1180 KYET AZ Williams - 1/15 0855 - With *God Bless America* by Kate Smith followed by sign-on announcement. Good thru others. Has a REL format. (NH-WA)
- 1250 WGL IN Fort Wayne - 2/8 0245 - Briefly on top with an ID which sounded like WGL. (MH-NE)
- 1280 WNPT AL Tuscaloosa - 1/22 0002 - Heard with soul music. (AM-IL)
- 1370 KXTL MT Butte - 1/24 0206 - ID and brief weather forecast. (MH-NE1)
- 1380 WPHM MI Port Huron - 1/27 0755 - Fair with PSAs, WPHM IDs, ads for a Water Street video store. (SA-MB)



KSRM

"Radio 92"

0800 TO 1600 HOURS ELT

- 560 KMON MT Great Falls - 1/24 0840 - ID and 560 *Country* slogan. New. (MH-NE1)
- 620 CKCK SK Regina - 1/24 0811 - CK-62 slogan heard under KMNS. (MH-NE1)
- 730 CKDM MB Dauphin - 1/24 0811 - C&W music, then ads. No sign of usual pests. (MH-NE1)

- 980 **WXBQ** VA Bristol - 2/2 0814 - Good in CFPL null with C&W saying *Your favorites back-to-back on 96.9 WXBQ*. Into Contest promo giving address as in Log. (REH-ON)
- CKRM SK Regina - 1/24 0824 - ID at about 25 db over S9. (MH-NE1)
- 1400 **KAYS** KS Hays - 1/30 0830 - Good with 14 *KAYS* ID ^{ESP} oldies. Fade up in a mess. (SA-MB)
- 1530 **KCLR** TX Rolla - 1/30 0815 - Good with lively Mexican music, many mentions of Rolla. Dominating the frequency. (SA-MB)
- WMBE WI Chilton - 2/7 1505 - Program *Polka Time America*. 1st time I've received this 250 watter after dozens of times. (JB-WI)



1600 TO 2400 HOURS ELT

- 560 **WISHT** PA Philadelphia - 2/3 1725 - Under WHND with a *Nat Cole* song followed by an ad for *Action News* on Channel 6. Lost at 1729 with probable pattern change. (REH-ON)
- 600 **KSJB** ND Jamestown - 1/23 1638 - Over WMT with weather. (MH-NE1)
- 630 **CKRC** MB Winnipeg - 1/23 1642 - C&W and *Continuous Country* and *K-630* slogans. Very early to hear Manitoba. (MH-NE1)
- 660 **KEYZ** ND Williston - 1/23 2046 - On top with *Keys Country* ID and what sounded like the end of a high school basketball game. (MH-NE1)
- 670 **KBOI** ID Boise - 1/23 1912 - Extremely strong (S9 + 25 db). By now it was evident that conditions to the west and northwest were very good. (MH-NE2)
- 720 **WWII** PA Shiremanstown - 2/6 1610 - Amazingly loud, over WGN with gospel program. At local strength for about 10 minutes. ★
- 760 **KRZN** CO Thornton - 2/2 2257 - Good with NOS music, *KRZN 760 Thornton* ID. Over WJR. (SA-MB)
- 770 **KATL** MT Miles City - 1/23 1758 - S9 with ID. (MH-NE1)
- 780 **KROW** NV Reno - 1/23 1946 - Heard with ID. Holding its own with *WBBM*. (MH-NE1)
- 870 **KOWA** NV Laughlin - 1/29 2138 - With local car dealer ad, ID jingle ending with ... *everybody listens to the Cow - moo*. (MH-NE) [Yeah, isn't that a grabber, hi - Ed.]
- 880 **KGHT** AR Sheridan - 1/27 1812 - With cluster of local ads for places in Little Rock and produced ID as *The Arkansas Country Giant, Stereo 880 Real Country KGH*. ★
- 890 **KDXU** UT St. George - 2/2 2152 - Good with local ads, *The News Authority 890 KDXU St. George News-Talk-Sports*. West skip this late is rare for Winterpeg. Over/under WLS. (SA-MB)
- 910 **KFYI** AZ Phoenix - 1/23 2230 - Two distinct IDs during a talk show. New. (MH-NE1)
- 920 **WOKY** WI Milwaukee - 2/6 1740 - Fair with an ID jingle and weather. In *KYFR*'s null. (MH-NE)
- 930 **WBCK** MI Battle Creek - 2/6 1743 - Caught an ID under *WLBL*. (MH-NE)
- 960 **KGKL** TX San Angelo - 2/8 1855 - Local ads and *AM 960, KGKL* heard in *KMA*'s null. (MH-NE)
- 970 **KCTR** MT Billings - 1/23 1850 - *Cat Country* ID. Mixing with *KDAY*. (MH-NE1)
- 980 **WYFN** TN Nashville - 2/6 1800 - ID with no sign of pest *KMBZ*. (MH-NE)
- 1000 **KKIM** NM Albuquerque - 2/8 1900 - *AM 1000 KKIM* heard just as I tuned in, followed by *ContChr* music. (MH-NE)
- 1030 **WBZ** MA Boston - 2/6 1659 - Station ID and mention of cold weather followed by program for school students. 1st time heard in mid-afternoon. (JB-WI)
- WNTL MD Indian Head - 2/6 1630 - With BBC Newscast of all things until 1700 ID as *Washington's International Sound, AM 1030 Super Station WNTL*. ★
- WUFL MI Sterling Heights - 1/23 1730 - Sign-off with Canadian and American National Anthems. (MH-NE1)
- 1050 **WDZ** IL Decatur - 2/6 2300 - Poor under *KMBA/XEG*. ID *WDZ, AM 1050*, then *CNN* *Headline News*. (MH-NE)
- KMIS** MO Portageville - 2/8 2024 - Ad for the *Progressive Farmer Network*, then ID | 106.3. #1400 heard. (MH-NE) [Congrats! - Ed.]
- KMTA** MT Miles City - 2/7 2300 - C&W music and ID. No sign of *XEG*. They sounded a tad bit stronger than 130 watts. (MH-NE)
- 1130 **WCXI** MI Detroit - 2/6 1655 - Must have been relaying their FM as kept mentioning *4W Country*. Also gave the FM frequency, weather forecast (*Down to 12°*), followed by C&W tune *Timber, I'm Falling In Love*. Frequency is usually 1/2 *KFAN* and 1/2 *WISN*. (JB-WI)

- 1140 **KZMQ** WY Greybull - 1/23 1835 - Strong with C&W and local ads. New. (MH-NE1)
- 1170 **WWVA** WV Wheeling - 2/6 1653 - With CL mention and forecast (*Down to 11°*). 1st time here in daylight hours. (JB-WI)
- 1270 **KINNt** NM Alamogordo - 1/30 2002 - ESPN Radio. ID, tentative because I'm not sure the third letter I heard was actually an *N*. (MH-NE)
- WKZT?** TN Portland - 1/23 1845 - C&W and ID which sounded like *WZKT in Portland, Tennessee*. I'm not sure of the CLs. (MH-NE1)
- KIML** WY Gillette - 1/23 1832 - C&W and ID heard. (MH-NE)
- 1290 **KIVY** TX Crockett - 2/7 2017 - Strong in *KOIL*'s null with *REL*. They were having technical difficulties and lost their feed. An unid SS station was also in there. (MH-NE)
- 1320 **WKAN** IL Kankakee - 1/29 2221 - Good with high school basketball and many IDs. (MH-NE)
- 1330 **WFTO** MO Fulton - 12/30 1742 - C&W, then sign-off, which invited listeners to tune to *Power 101*, and also mentioned that their transmitter is on Highway 25 in Fulton. MS #25. (MH-NE)
- 1350 **CKDO** ON Owasha - 2/7 2200 - Country Coast-to-Coast followed by an ID, then *Standard Broadcast News*. (MH-NE)
- 1360 **KKBJ** MN Bemidji - 1/24 1814 - On top with *Eddie Rabbitt* song followed by *KKBJ* SID and then gone with probable pattern change. (REH-ON)
- KNGN** NE M^cCook - 1/30 1843 - Fair with sign-off including a blessing for all listeners. New for me. (SA-MB) [Is there a saint for DXers, hi - Ed.]
- 1370 **KSOP** UT Salt Lake City - 1/23 1903 - ID and mention of *104.3 FM*, with whom they are parallel. (MH-NE1)
- 1380 **WQHK** IN Fort Wayne - 1/30 1800 - Good with *WQHK, the best real country from yesterday and today on The Hawk, WQHK Fort Wayne*. (SA-MB)
- 1390 **KENN** NM Farmington - 2/4 2104 - ID *Regional Radio, KENN*. Into *Talknet*. (MH-NE)
- 1410 **KOOQ** NE North Platte - 2/7 1843 - Local ads. A lot of *KESY* splatter. (MH-NE)
- 1430 **WNFO** SC Ridgeland - 2/1 1856 - Briefly on top with call ID: *News and information radio, AM 1430 WNFO*. (REH-ON)
- 1460 **KZUE** OK El Reno - 2/7 1904 - Fair with SS news and EE/SS ID. New. (MH-NE)
- 1470 **CHOW** ON Welland - 2/7 1840 - ID: *Hi, I'm ... and you are listening to AM 1470, CHOW*. (MH-NE)
- 1550 **KUAT** AZ Tucson - 2/5 2015 - Weak with sign-off under *KSFT*. (MH-NE)
- 1580 **KCWW** AZ Tempe - 2/5 2013 - Good with an ad for the *Arizona Lottery* and ID as *KCW*. (MH-NE)

REPORTERS



- NH-WA** Nancy Hardy Aberdeen, WA; FRG-7 + Radio West Loop
- SA-MB** Shawn Axelrod Winnipeg, MB (x2); ICOM R-70 w/PLAM board & 0.5, 2.4 & 4 kHz filter + 4' box loop or 100' lw
- REH-ON** Charles Reh Lexington, ON; R-390A + Sanerino Loop + TR-3000 open reel tape deck
- JB-WI** John Baumgarten Tomah, WI; Superadio II
- MH-NE** Mike Hawk, N^oOSY Omaha, NE; R-1000, HQ-180AC, 2' loop, 100' lw or -NE1 Near Fremont, NE at *DX*pedition; R-1000, 180' lw, 2' loop
- AM-IL** Alan Millmaker Centralia, IL; Kenwood R-5000 with Palomar Loop
- BW-MB** Barry Wasyluk Winnipeg, MB; *D*Xing at Lewis, MB with an R-7 and 6 beverages
- Ed.-ID** Editor Meridian, ID;

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 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

73. 870

DDXD-East NEWS AND VIEWS

Welcome to Ray Arruda, who sends along a great report on the recent DX tests, as did several others.

Mike Hardester passes on some info from a recent QSL from WESC-660: "WESC no longer has Homestyle Country 660 on AM. Our AM and FM stations are simulcast."

DX TESTS

- 600 WMT** IA Cedar Rapids - 1/31 0110-0138 Many CIDs barely making it through CFCH/Cuban QRM, no sign of usual WICC. (RA-MA)
- 660 KEYZ** ND Williston - 1/25 0130-0200 Not heard. (EU-NY)
- 690 WZAP** VA Bristol - 2/13 Nothing heard at 0001 check, only CBF. At 0027 loud CW type gospel music, with no sign of CBF, male with many IDs at 0031. Thank the mail service for getting my DX Monitor here on Friday instead of Saturday or I would not have known about this one. (DB-DE)
- 780 KAZM** AZ Sedona - 1/25 0200-0230 Not heard. (EU-NY)
- 1070 WANM** FL Tallahassee - 2/6 2355-0037 Good under CBA and CHOK with at least 17 sets of CIDs. No VIDs heard. (EU-NY)
- WANM** FL Tallahassee - 2/6 0002-0030 Poor under CBA/CHOK with CIDs only at 0007, 0012, 0017, 0019, 0022, 0024½ and 0027. (RA-MA)
- WANM** FL Tallahassee - Not needed, not tried. (AM-VA)
- 1090 WMUS** MI Muskegon - 2/5 0400-0430 Weak on test with only a few CIDs copied under WBAL. No voice heard. (EU-NY)
- WMUS** MI Muskegon - 2/5 0400-0430 Barely audible under WBAL with CIDs only noted at 0402, 0405, 0407, 0410, 0412, 0415, 0418, 0420, 0423, very weak CW music 0428. (RA-MA)
- WMUS** MI Muskegon - 2/5 Test started right on time (0400), voice, CIDs and CW music. Signal was only marginal on the loops but "armchair copy" on the slopers with WBAL phased. (AM-VA)
- WMUS** MI Muskegon - 2/5 0405-0430 With CW music and morse ID between selections. Vocal ID at tail-end. Generally poor thru WBAL. Best after 0425. (AR-ON)
- 1100 KNZZ** CO Grand Junction - 12/14 0500 Test not heard at sked time, all WWWE. (RA-MA)
- 1180 KOFI** MT Kalispell - 2/1 0400-0500 Tried hard to dig this one out, but nothing. (EU-NY)
- KOFI** MT Kalispell - Tentative on test under WHAM with only two periods of CIDs very weak at 0425-0427 and 0450-0454, nothing else. (RA-MA)
- 1280 WABK** ME Gardiner - 12/14 0228-0246 Good on test with IDs in voice and code, march music. (RA-MA)
- 1310 KAAM** TX Dallas - 2/8 0200 Test not heard at sked times. (RA-MA)
- KAAM** TX Dallas - Not tried. (AM-VA)
- 1420 WOC** IA Davenport - 1/18 0215-0230 No sign of this one, WBSM only 8 miles from here. (RA-MA)
- 1480 WKGF** FL Arcadia - 12/28 Tentative on test with periods of weak CIDs briefly noted at 0202 and 0218, nothing else, v/l back sez it was they! (RA-MA)
- KLEE** IA Ottumwa - 2/7 0104-0126 Weak under WZRC with CIDs barely audible at 0104, 0106, 0110, 0116½, 0123, 0124 and 0125. (RA-MA)
- KLEE** IA Ottumwa - 2/7 0118+ Plenty of CIDs heard but nothing else. Pretty well buried - didn't matter which antenna I used, was equally poor on all. (AM-VA)
- 1590 WWCC** PA Honesdale - 2/13 0015+ Poor, under WAKR and WKEN slop, with nonstop code IDs, nothing heard from 0000-0015 when on low power. Also at 0017 there was an UNID with EZL type music, probably WKTP, which hasn't been logged here since call change. (DB-DE)



870 UNID

2/1 and 2/2 0705-0710 - Combination of country religion and gospel music here over/under WWL/WHCU. I suspect WFKB on psra. Nothing but WWL before 0700. (RE-PA)(Probably...WFLO format doesn't match. Also, watch for WFKB for change of calls to WZMC - db)

1230 UNID

1/26 1715+ and 2/1 0645-0658 - Program including choir music and preaching. Definitely not GOS and not southern accents. Apparently into ABC news. WCRO? (RE-PA)(Maybe, but log lists them as silent? - db)

- UNID** 1/28 1753 - With ad for "K-T Jewelers", located "on Route 31, about 1 mile south of ---- (1 word, 2 syllables), phone 426-xxxx", nothing I can find seems likely. (RE-PA)
- UNID** 1/29 0648-0653 - With AM teletalk format, host Ken ----, with phone number 596 (or 996)-7742 (or 7752), nothing close in Log. (RE-PA)
- 1320 UNID** 1/26 0702 - Weak with (presumed) High School basketball scores naming schools such as Dallas, Leeman, Seaton Catholic and Bishop Gacy(?). Then, "That's your sports, I'm WBRE's Sid Michaels, this sportscast brought to you by <fade> State Farm Insurance in Park Summit <fade>". Pretty sure about calls, but nothing matches up in the log. A quick check through this season's AM Switch turned up no applicable call letter changes. Rand McNally shows a few Dallas' (the only town I could find) indicating WTSS-PA and WAGY-NC could be possibilities. (EU-NY)
- 1520 UNID** 2/13 0034 - GOS sounding program with mentions of radios given away to hear the program. WWKB off. Nulled WSW. (DB-DE)
- 1600 UNID** 1/6 0745-0815 - Regarding Jeff Kitz's UNID (DXN #13, pg 15) on 1600 kHz, 12/9 at 1729, I logged "WNCM FM 88.1 and now 1600 AM" with a gospel/religious format. This was on "a new Wednesday morning on the new AM 1600". As best I can tell, this is (may be) ex-WWKF (Silent) in Key West back on the air. No AM call sign heard, mixing with another station. (MH-NC) (Mike, AM Switch in No. 9 shows WQBR-FL now relaying WCMC-88.1 - db)



**CKNR
CJNR**

560 WEAZ

0000 to 0800 ELT

- PA Philadelphia** - 2/6 0615 Elevator type music then "Playing your relaxing favorites 24 hours a day, this is Wish, stereo 560". Steady in null of WIND. (LK-ON) (Despite these slogans, which have been used since the format change, the legal ID on this one is still WEAZ. Confirmed again 2100 on 2/13 - db)
- 600 WSOM** OH Salem - 2/6 0635 Up out of nowhere, while trying to null CIQC, with the end of a nostalgia song and "WSOM, AM 600" and into a Sinatra song, "Let's Fall in Love". Strong with fade. (LK-ON)
- 640 WGST** GA Atlanta - 1/25 0150 Faded up with Talknet and nice clear: "Traffic and weather together on Newsradio 640 WGST". (EU-NY)
- 730 WACE** MA Chicopee - 2/6 0715 A woman from the U.S. Social Security system answering letters with phone number of (800)772-1213. Call ID at 0730 then into an "inspirational program". Fade in partial null and under CKAC. (LK-ON)
- WDOS** NY Oneonta - 2/6 0733 Up in the fade of WACE above and under CKAC with "WDOS news time is 7:33" and then more news. Fade in and out with WACE. (LK-ON)
- WFMC** NC Goldsboro - 2/4 0636 Excellent with end of CW tune then "The best of yesterday and today, Eastern Carolina's variety country station" and sung ID. (EU-NY)
- 790 WAEB** PA Allentown - 2/4 0625 Good briefly with piece honoring a United Way volunteer and upcoming "6:30 Information Package" discussing family leave bill. (EU-NY)
- 1120 WBIS** CT Bristol - 2/8 0645-0652 Well atop WUST with traffic, weather, local ads and several IDs. (RE-PA)
- 1200 WSML** NC Graham - 2/9 0650-0657 With REL music, promo for "Wicker Street Baptist Church in Burlington", weather, well atop WAGE. (RE-PA)
- 1240 CJCS** ON Stratford - 2/7 0634 Tentative. Ad for an event in the "Huronion" region of Ontario (which is where Stratford is) sponsored by "CJC?". Usual QRM and fade. (LK-ON)
- 1580 WVKO** OH Columbus - 1/26 0600 Booming out like a local "16 WVKO News and Information, WVKO, Columbus", when I turned on the radio to listen to WCBS. (TF-CT)

1600 TO 2400 ELT

- 780 CFDR** NS Dartmouth - 2/7 1740 Alone on frequency with weather forecast, ID, ads, "More continuous music...CFDR". (DB-DE)
- 830 WWMO** NC Eden - 2/2 1750 Preaching from the Heritage Full Gospel Church, full ID with "Good News to the Piedmont, WWMO, Eden", then gone abruptly to night pattern. (TF-CT)
- 890 WHNC** NC Henderson - 2/2 1758-1801 Good and alone on channel with CW tune followed by full data sign off; no sign of usual WLS. (MD-MA)

- 930 WFMD MD Frederick - 2/2 2120 Way atop with talk, local news at 2125 with Sharon Young, local weather and back to network feed at 2130, gone by 2140, not heard here before. (TF-CT)
- 940 WADV PA Lebanon - 2/6 1625 Weather, call ID and into a religious sounding song then Mutual news. Steady. (LK-ON)
- WADV PA Lebanon - 2/7 1648 Gospel music, way over CBM, WKGM, etc. Promo for a Christian concert, and at 1700, "The winner of four awards from the Gospel Music Industry, 940, WADV, Lebanon", soon gone. (TF-CT)
- 950 WXGI VA Richmond - 2/7 1709 Over WPEN briefly with country music and announcer taking requests over the phone. (TF-CT)
- 980 WWRC DC Washington - 2/6 1645 Ad for GEICO Insurance Co. at (301)986-2500 then an interview with a German woman playing field hockey for the University of Maryland. All this in intermission of a basketball game from Georgia. Then call ID and back to game. Fade in terrible slop from CKCH. (LK-ON)
- 1080 WUFO NY Amherst - 2/5 1741 Gospel music, promo for NY State Lottery, heard in WTIC null. (TF-CT)
- 1130 WWWW MI Detroit - 2/7 1718 Country music, commercials for Treachers Bologna and ABC Electronics Warehouse sale, IDs for 106.7, heard in WBBR null. (TF-CT)
- 1150 WHUN PA Huntingdon - 2/6 1744 Poor in WDEL null with music then sign off mentioning 5000 watts and to tune to 103.5 FM. (DB-DE)
- WNLR VA Churchville - 2/5 1742 Christian music, ID for "The Valley's Official Praise Station, WNLR", weather, and announcer is David Amos, (TF-CT)
- 1170 WJCC MA Norfolk - 1/30 1720 Summary of Foxboro-Attleboro basketball game, "and Attleboro brings a 0-10 record into a game that night with Sharon High School", way over WWVA. (TF-CT)
- 1230 WFAS NY White Plains - 1/28 1833-1835 With local and area news, then ID, over/under WENY, with Virginia stations gone now. (RE-PA)
- WXCF VA Clifton Forge - 1/28 1813-1820 With promo for a Virginia Music Fair show, sung ID then 2 CW songs, promo for CBS Radio Super Bowl special, then promo for a local show, both of the latter "right here on 1230, WXCF", over WAMM. (RE-PA)
- 1390 WEED NC Rocky Mount - 1/25 2124 Tuned into ID for "WEED, Rocky Mount", syndicated talk with host Richard Osbourne, way over regular WMZQ, not heard here before, gone by 2140. (TF-CT)
- 1430 WTTT MA Amherst - 2/6 1714-1721 CNN Headline News feed, ID "This is AM 1430, WTTT", way over WNJR. (TF-CT)
- 1570 CFOR ON Orillia - 1/30 Country music, program is "Country Cabaret", host is Frank Sasson. (TF-CT)
- 1580 WNZT PA Columbia - 2/5 1750 Picky's Corner, telephone talk on meaning of love, at 1800 "If it's news to you, it's conversation to us, Radio 158, WNZT, Columbia", then gone. (TF-CT)
- WPUV VA Pulaski - 2/6 1756 Gospel music, full data sign off at 1800. (TF-CT)
- 1590 WJRO MD Glen Burnie - 1/25 1745 Screaming black preacher, and at 2200 "You are listening to the station where Jesus reaches out, on 1590, WJRO, Glen Burnie-Baltimore". Seems to be regular here with WQQW gone. (TF-CT)

REPORTERS

- RA-MA Ray Arruda, Acushnet, MA: SX-122, HQ-180A, Radio West Loop
- MD-MA Marc DeLorenzo, Framingham, MA: Hyundai car radio
- RE-PA Russ Edmunds, Blue Bell, PA: Nissan auto radio and whip
- TF-CT Tony Fitzherbert, Fairfield, CT: GE Superadio, Sony ICFS5W, both perched atop a Lazy Susan for immediate nulling!
- MH-NC Mike Hardester, Jacksonville, NC:
- LK-ON Laurence Kearley, Orleans, ON: Superadio II, Select-a-tenna
- AM-VA Alan Merriman, Annandale, VA: Drake R8, 2' Air Core Loop, Quantum Loop, 2-75' slopers with noise reducing transformers, MWDX-5 phasing unit, MWT-2 Regenerative Preamp
- AR-ON Andy Rugg, Cornwall, ON: Superadio II
- EU-NY Ed Urzi, Centereach, NY: R-5000, Palomar Loop or LW
- DB-DE Dave Braun, Wyoming, DE: R-2000, Palomar Loop

CHNR AM 1600

600 NORFOLK ST. N. BOX 1600
SIMCOE, ONTARIO, CANADA N5Y 4K6

DDXD-South

BITS AND PIECES

A big DDXD-S welcome to RUSSELL GAJ from the other side of LA! Russ gave me a call on a tip on where to find a Superadio II - The company was sold out, but did have a few that had been returned and repaired. It came in the mail this week and I love it! Thanks for the tip, and welcome!

A first report to me from TOM BRYANT, who sends his reports on WSM QSL cards with "confirming your reception" crossed out. Oh well, this may be as close as I get to a WSM QSL!

Thanks to this week's reporters; just a few reminders. Please list your loggings divided into the sections listed here in frequency order; you can use either one or both sides of the paper; and use Eastern Listening Time (ELT) when reporting. Deadlines are Saturday's mail.

SPECIAL!!!

- 830 KPLS CA ORANGE - 2/13 Station has dropped SS:NWS/TLK for Children's programming. I wonder how long this will last... (DJS-CA)
- 1270 KTFI ID TWIN FALLS - report to address in '93 Log (111 2nd St. West, 83301) returned marked "Forwarding Order Expired." Called their phone number; new address is PO Box 2820, 83303. (RG-CA)

DK & EQUIPMENT TESTS

- 1070 WANM FL TALLAHASSEE - 2/6 0039 CIDs well over the mush, voice IDs easily readable too. CIDs "WANM WANM WANM TESTING ON 1070 KHZ DE WANM WANM WANM"; sent about 10 wpm with high pitched (1 kHz?) tone. Thanks to Tom Bryant for tip. (DS-TN); Voice and code IDs (alternated) dominant on freq from 0000 to end of test at 0047. New for me.
- 1180 KOFI MT KALISPELL - 2/1 0400-0500 Nothing heard. (RS-MO)
- 1310 KAAM TX DALLAS - 2/8 0200-0400 NOS from 0200 then code "CQ DE KAAM" at 0246. Good sigs; wonder how I missed this before! (RS-MO); New stn heard - not running test. Regular NOS programming. 0240 outro for Cara Mia by Mantovani and several voice IDs in break. Very clean audio - on top of heap on this very crowded freq. Code ID's heard 0246 & 0258. (TB-TN)
- 1480 KLEE IA OTTUMWA - 2/7 0100-0200 only code made it through KBEA but good enough! (RS-MO); Tones & CIDs fair to poor entire hour o/u WTHI and others. Voice ID (partial) heard 0125, full one heard 0140 in the clear. Testing concluded at 0202. New. (TB-TN)

unID'S AND unID HELP

- 1450 unID 1/10 2205-2225 With regard to Todd Skane's unID, this sounds like a satellite-fed station that ended up on the wrong transponder or frequency, or the satellite feed was testing! Unfortunately, this will be virtually impossible to ID not knowing which satellite this transponder 19 was on! (DS-TN)

CHLT63AM

- 0000 - 0800 ELT
- 730 KKDA TX GRANDE PRAIRIE - 1/22 0647-0700 through KRMG-740 splatter w/telephone call-in show, phone answered as "73-Good morning", "The music you want, the news you need" slogan to full ID at 0700 (BW-OK)
- 940 KIOA IA DES MOINES - 1/22 0728 "KIOA News" into oldies o/u SS, finally heard him! (BW-OK)
- 1310 KDIA CA OAKLAND - 2/5 0656 Sudden fade-in out of the blue to moderate. Female anncr: "13-10 KDIA" between Ray Charles and Stevie Wonder. Hrd before, never positively ID'ed. (RG-CA)
- 0800 - 1600 ELT
- 950 KGYO CO DENVER - 1/22 0818 nice call ID out of nowhere into wx, then quick fade and gone (BW-OK)
- 1110 WBT NC CHARLOTTE - 1/21 0844 EST TC into wx, w/ments of Charlotte, "Your official weather station, WBT" all alone on top of freq then faded u/KEOR and KFAB -- the first time I've ever heard a station this far to my east at SRS period, sun was above the horizon here in Tulsa! (BW-OK)
- KEOR OK ATOKA - 1/21 0830-0900 one of my unheard Oklahomans in KFAB null w/ABC News, Oklahoma News Network nx, wx, ads for stores in Atoka, EBS test 0842, full AM-FM ID 0900. (BW-OK)
- 1210 WGSF TN ARLINGTON - 2/4 0835 w/REL mx and call IDs mixing w/KGYN's Paul Harvey News (BW-OK)
- 1220 KVSA AR McGEHEE - 2/4 0828 on top of freq w/full ID between invitation to minister's ordination on Sunday and funeral/death notices, then AR nx and ads for drug store in McGehee, unneeded but nice to hear (BW-OK)
- 1260 WCEO AL BIRMINGHAM - 2/2 0835 o/u unID REL mx with call ID into Dow Jones Business Report; 2/3 0842 with "Business News Network" ID (BW-OK)
- KBHCT AR NASHVILLE - 2/3 0837 TENTATIVE w/ school lunch and Nashville senior citizen center lunch menus, CST TC, C&W mx then faded, no ID heard but loop null makes this most likely (BW-OK)

- 1310 KMYX CA TAFT - 2/6 0950 Weak, fighting w/XEC, KXAM, KDIA and (tentative) KIQQ. "103.9 FM and 13-10 AM KMYX", also "K-Mix", followed by spots for McDonald's and Kragen, then fade. (RG-CA)
- 1600 - 2400 ELT
- 920 WLIV TN LIVINGSTON - 2/6 1619 "AM 920 in ??, Tennessee" -> C&W mx; poor. Only 920 in TN. (DS-TN)
- 930 WTKZ WV HUNTINGTON - 2/5 1900 "on Talk Radio 930 WTKZ Huntington Ashland-Ironton", into network (CBS, I think) news. Previously logged as WRVC. (DS-TN)
- 1030 KBZR MO BLUE SPRINGS - 2/5 1918 u/WBZ w/rock (Zepplin, AC/DC). No ID's but nothing else seems to fit. (DS-TN)
- 1250 KIKZ TX SEMINOLE - 1/28 2338 C&W mx, call ID in break between songs then quickly covered; first 250 watt station heard on a regional frequency here in Tulsa (BW-OK)
- 1260 WNXF OH PORTSMOUTH - 2/6 1812 OH nx, call ID "1260 WNXF" (DS-TN)
- 1270 KSCB KS LIBERAL - 2/3 2332 dom in KTRT null w/wx, "AM 1270 KSCB, CB Country" into C&W mx (BW-OK)
- 1280 KEANT TX ABILENE - 2/3 2333 TENTATIVE w/ "Keen-105" slogan, 14th ed FM Atlas has KEAN-FM on 105.1, loops in the right direction, o/u WWOK NOS mx (BW-OK)
- WWOK IN EVANSVILLE - 2/3 2336-2355 w/"O-K Radio AM 1280" slogan into standards/oldies, nice call ID between selections 2355 (BW-OK)
- WQUE LA NEW ORLEANS - 2/3 2357 w/sports, many ments of University of New Orleans (UNO), "Home of UNO" and "Sports 1280" slogans (BW-OK)
- 1360 KNNS AZ GLENDALE - 2/6 2000 Moderate, back and forth with KPOP. "KNNS Glendale-Phoenix" Legal ID during break in UCLA-Washington State basketball game (RG-CA)
- 1370 KSOP UT SOUTH SALT LAKE CITY - 2/7 2030 Gradual fade-in to moderate with C&W music at local sunset. o/u XEHG. "Country 104.3 KSOP". AM call letters not used. (RG-CA)
- 1390 WZZB IN SEYMOUR - 2/6 1828 o/u mess w/ments of Seymour HS basketball & several ments of WZZB calls. (DS-TN)
- 1420 WOC IA DAVENPORT - 2/6 1912 briefly over mess, just long enough for "...on WOC" call ID. (DS-TN)
- 1520 WOOO IN SHELBYVILLE - 2/6 1914 end of community events program w/Shelbyville address for station; more talk with several ments of "W30" slogan. (DS-TN)
- 1550 KSFT MO ST. JOSEPH - 2/5 1856 fair w/St. Joseph ads, call ID, HS basketball. Unneeded but rare. (DS-TN)

REPORTERS

- (RG-CA) Russell Gaj; Los Angeles, CA
- (RS-MO) Rocky Stone; Hollister, MO; R-2000, SM-1
- (TB-TN) Tom Bryant; WSM-650, Nashville, TN; Sony SRF-A100; Realistic STA-460
- (DS-TN) Doug Smith W9WI/4; Nashville, TN; 1990 Ford Escort car radio; GE Superadio II
- (BW-OK) Bruce Winkelman AA5CO; Tulsa, OK; R390A, Quantum Loop
- (DJS-CA) Duncan J. Shaw; Los Angeles, CA; Sangean ATS 818-CS, GE Superadio II, Selec-a-tenna



5161 Maple Drive
Des Moines, Iowa 50317

The Des Moines Register
-via Doug Beard

Need to renew?
Expired? The mailing
label will tell
you.

IOWA DIARY

February 13, 1993

The oldies but goodies

Whenever KIOA radio pops up in the news, thoughts flash back to somewhere in the mid to late 1950s. If you were a teen-ager in central Iowa back then, when Ike was president, TV was black and white, radio was almost all AM, and Ford was trying to sell the Edsel, there came that magic day when the word spread through the high school: There was this radio station in Des Moines that was playing nothing but OUR music! All the time!

KIOA had been an obscure station in a market dominated by mainstream stations like WHO, KRNT, and KSO. Then it became the first station in the area to play nothing but top-40 records. We didn't know it at the time, but it was part of a big change in radio, when stations started adopting various formats to reach niche audiences instead of trying to have a little something for

everybody.

For the next several years, kids growing up in central Iowa listened to the rock 'n' roll era evolve on KIOA. It was wonderful, driving around the courthouse square on Friday nights with the radio playing Chuck Berry, the Platters, the Coasters, Jerry Lee Lewis and a lot of now-forgotten groups that had one big hit and then disappeared.

It all came to mind this week with the news that what's now KIOA AM/FM is changing hands, being bought by the same Michigan company that owns KRNQ-FM and KRNT-AM. The buyer promised that KIOA's format wouldn't change.

Which means it will go on playing the very same songs those long-ago teens heard on the courthouse square. Only the format no longer is top-40. KIOA is an 'oldies' station. Sigh.

International DX Digest

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

Don Moore asks about IDXD deadlines - whatever reaches my house by Friday (and sometimes Saturday) is in the mail on Monday to meet Paul's Friday deadline in Topeka. Whatever arrives late is always included in the next column. One December column appears to have been lost between Rochester and Topeka, and I didn't notice it right away because I was on vacation. Hopefully it will have reappeared in last week's DX News. My best logging of the year was in that column, wouldn't you know! It's OK to call the house as late as Sunday night with a late-breaking tip (716-458-8574), but if I'm not home be warned that my wife is NOT a DXer!

Before launching into this week's IDXD loggings, this special offer from Don Moore: "As my Spanish is quite good from spending four years in Latin America, I am willing to listen to tapes of noteworthy unIDs to help ID them. Please have the tape ready to play at the excerpt you believe had the ID or identifiable info. If more than one, please splice together on one tape with brief comments to divide excerpts. Please do not ask me to listen to more than five minutes per station. Include a SASE for reply, mailer and adequate postage if cassette return requested." Send to: Don Moore, 11434 140th Street, Davenport, IA 52803-9538. Thank you, Don, for making this generous offer.

PAN-AMERICAN DX

- 660 ST. LUCIA Castries, 1/25 0639-0656 - Oldies, news, part of play-by-play of cricket match, poor, interference from WFan, trying for DX Special. [DT-JAM]
- 750 COLOMBIA CARACOL Medelln, 2/4 0129 - With ID under WSB. [DHM-IA]
- 750 VENEZUELA R. Caracas, 2/4 0139-0144 - Briefly on top with talk on European film prizes, ID, into other program. [DHM-IA]
- 760 COLOMBIA, Barranquilla, 1/7 0133-0140 - Talk in Spanish, man and woman, man and fanfare several times, over /under R. Reloj and WJR. [DT-JAM]
- 760.15 NICARAGUA R. Sandino, 2/4 0120-0151, 0203-0205 - With

Jim Renfrew
61 Wilcox Street
Rochester, NY 14607-3832

fútbol game between Rivas and Leon, UTC-5 timechecks, Coca-cola ads, generally over R. Reloj; ID at 0204 recheck. Has been heard since announcing 50 kW. [DHM-IA] (Interesting to have a Coke ad on R. Sandino! - Jim)

- 770 COLOMBIA RCN Bogotá, 2/4 0145-0148 - Colombia vs. Ecuador, announcer obviously Colombian, presumed, good and on top. [DHM-IA]
- 780 VENEZUELA R. Coro 1/25 0700-0726 - Pop LA music, ID as "R. Coro", fair, mostly over WBBM (trying for DX Special). [DT-JAM]
- 810 COLOMBIA Bogotá 1/7 0910-0915 - News in Spanish, ID as "CARACOL, Colombia, Bogotá", more new light interference, unID Spanish. [DT-JAM]
- 820 CUBA CMBU Havana, 1/7 0921-0935 - Man and guitar, ranchero, singing ID as "R. Habana" over/under unID Spanish station and WBAP. [DT-JAM]
- 870 COLOMBIA Barranquilla, 1/8 0928-0945 - Talk, ads, ID as "Caribe Barranquilla", fair over unID Spanish station with music. [DT-JAM]
- 885 MONTERRAT ZJB Plymouth, 1/27 0333-0347 - Modern pop music "22 past the hour on ZJB" and "Eastern Caribbean with ??? Monterrat", fair, no interference. [DT-JAM] (Werner Funkenhauser of Guelph, Ontario has heard this one with a strong signal lately, perhaps they have increased power - Jim)



- 890 CUBA Santiago de Cuba, 1/25 0248-0247 - Symphony orchestra, ID as "Radio Musical Nacional", fair with interference from unID Spanish station. [DT-JAM]
- 900 CUBA CMKB Caococum, 1/8 0948-0955 - ID as 0950 "Radio Progreso", music, 0953 single chime, man talking in Spanish, with piano backing, fair, interference from unID Spanish station. [DT-JAM]
- 1024.5 COSTA RICA R. 1020, 2/4 0109-0111 - Presumed the one with man talking in Spanish, as IDed in previous log. Poor. [DHM-IA]
- 1024.4 UNID 1/31 0110-0500 - Spanish, mainly LA music, some North American. Mentions of "Mexicali", "en Santa Fé" and many "mil-veinte". Played theme music "Axel F" at top of every hour. I'm sure I ran into this theme music on an LA station several years ago but I can't remember who. [BW*MB] (Probably the Costa Rica station - Jim)
- 1030 UNID 2/4 0055-0105 - With fútbol game // 1120 over/under R. Centro (Mexico). Cuba? Still there in several rechecks through 0130. [DHM-IA]
- 1210 MEXICO XEBB Jalapa, 2/4 0657-0659 - With IDs, program promos, fair with QRM. [DHM-IA]
- 1340 CUBA CMCU Cienfuegos, 1/17 0003-0030 - Elvis Presley singing and ID as R. CUBA, Ciudad el Mar, interference from three unID stations, fair. [DT-JAM]

HARMONICS

- 1800 MEXICO XEW, Mexico City, 2/3 1217-1220 - Poor with man talking, ID. Checked for the fundamental but the frequency was covered with domestics. Marmonic not heard since. [DHM-IA]
- 1880 UNID 2/3 1220-1230 - Threshold signal here with ranchera music. XEQ? 940 covered by domestics. [DHM-IA]
- 2539.5 HONDURAS R. Sonora Tegucigalpa, 2/3 1149-1204 - Very weak with lite pops. Woman with ID at 1158, reheard 2/6 only. [DHM-IA]
- 3020 ECUADOR? UNID 2/7 1044-1120 - Has been heard occasionally in the mornings since December

with Ecuadorian folk music. Heard best yet 2/7 with clear UTC-5 timechecks and mention of "música ecuatoriana". Ecuador officially on DST UTC-4, but common for rural LA stations to ignore DST. [DHM-IA] (a very interesting comment about DST - Jim)

- 3041 COLOMBIA Una Voz en la Frontera, Puerto Santander - Had been following this as an unID in mornings since December, finally got ID, but not QTH on 2/4 at 1047-1105. Then received DX South Florida with report from Henrik Klemetz in Bogotá on hearing this station on 4561.5. Checked 2/7 1005-1037 and sure enough 3041 // 4561.5 (2,3 x 1520.5! Both weak, 3041 clearer. heard frequently in mornings usually after 1000, but once at 0933. Haven't caught sign-on yet. Klemetz says this is an unlicensed station but is listed in the phone book! He called and they were quite surprised to find out they were putting out a harmonic. Address is Cra. 2 No. 1-10, Puerto Santander. Unfortunately he doesn't mention what departamento and it's not in my atlas. [DHM-IA]

Other unID LA harmonics in mornings on 2040, 2120, 2260, 2280, 2340. Guatemalan R. Izabal on 2320 not heard since 1/29. La Voz de los Cuchumatanes on 2100 continues to be heard daily, sometimes quite well, both mornings and evenings. AN Ecuadorian I discovered in December on 2967.7 is being widely heard. Station announces 1510 and QTH in Bolivar province. WRTH ID is R.



CIA LTDA
GERENCIA GENERAL
459312
FRECUENCIA MODULADA
454230
ESTUDIOS A. M.
458032
Checoslovaquia 323 y
Av. 6 de Diciembre
TRANSMISOR:
Panamericana Sur Km. 15.
Gusman
629627

Runacunapac Yachana. I believe I heard one ID as that, but most IDs heard by myself and others do not sound anything like that, although they are not decipherable. Heard mornings with variable sign-on 1000-1030 and evenings to approximately 0200*. May be a harmonic or may be unlicensed on shortwave. [DHM-IA] (Could be "tagging along" with HCJB on 3220 - Jim)

Editor's note: I noted Don Moore's quandry in a recent edition of *NASWA Journal*. Harmonics aren't counted by shortwave DXers, nor by Medium Wave DXers, so where to report them? It's all right to report them here as they are originally Medium Wave, they may shed light on the fundamental signal, and they are quite interesting (especially the ones from normally unheard areas like Ecuador).

STATION NEWS

VENEZUELA: R. Bahia 1430, Puerto La Cruz heard 1/11 0800 announcing 1420. [Henrik Klemetz in DX South Florida via DHM]

ISLANDS INFORMATION

Tom Bryant was kind enough to send detailed information about broadcast operations in the Bahamas and the Cayman Islands. Since his report is so complete, and gives an over-all sense of broadcasting operations in these places, I am including the non-BCB items. By the way, can you look for a mailing address for the ZLS (526 kHz) beacon while you're in the Bahamas? Thanks, Tom!

BROADCASTING CORPORATION OF THE BAHAMAS

About six months ago I wrote to a fellow at ZNS who I've known for almost 25 years, and did not get a response. During a recent stop in Nassau, I called the station and was informed that he had passed away last year. At any rate I did get answers to some of the questions I had posed in the unanswered letter, and here's what I learned:

(1) ZNS-TV, channel 13, operates with 50,000 watts ERP, circularly polarized non-directional antenna at 300' ASL (probably about 250' AG) from a location roughly in the center of New Providence Island. No plans for other TV operations; however I understand the Nassau station is carried via cable in Freeport, Grand Bahamas.

(2) ZNS-1, 1540 AM, 20 kW highly directional to the SSE. Little chance of much signal getting back to the U.S. Primarily

operated to serve the "out islands".

(3) ZNS-2, 1240 AM, 1 kW, local service, mainly religious, for Nassau, non-directional.

(4) ZNS-3, 810 AM, 10 kW, Freeport, Grand Bahama, directional, primary lobe to the north. Carries quite a bit of ZNS-1 programming, but also originates a lot of stuff locally.

(5) ZNS-FM, 104.5, Nassau, 5 kW circular polarization from TV tower. Carried on 8 repeaters (locations, frequencies, and powers not known).

(6) FM operations on 107.1 and 107.9 - for many years used as STL relays from the studios to the ZNS-1 and ZNS-2 transmitters at South Beach. Now apparently used as repeaters for ZNS-1. Details very sketchy.

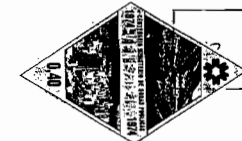
I will be back in the Bahamas in late March and will attempt to find time to visit ZNS-3 and see if I can fill in the blanks. In the interim, if you have any specific questions you'd like to have me ask the ZNS folks, please get them to me before March 26.

RADIO AND TV IN CAYMAN ISLANDS

Had a super visit with Loxley Banks, Director of Broadcasting for Radio Cayman. I had visited this facility about 15 years ago and found that they had added a second story and several new studios and offices. The biggest revelation here was that RADIO CAYMAN WILL DISCONTINUE ALL AM TRANSMISSIONS SOMETIME THIS SUMMER! Banks told me that the 1205 and 1555 signals would probably go silent in July. Three FM transmitters (likely low to moderate power) will replace the AM service. There is already at least one FM transmitter (105.3) on the air. I asked a question I've heard several DXers ask ... why two AM transmitters for such a small area? Reason: prior to construction, a study indicated that ground conductivity was so poor that a single transmitter could not adequately serve all three islands in the chain. Thus a local signal (1 kW) on 1205

QSL

Acusamos recibo de su atento reporte de recepción de nuestra estación **VV 2Z** Radio **CONTINENTAL** en la frecuencia de **5260** KHz. el día de **05** de **12** de 1987 en su programación irregular de **01.1** hasta **02.00** hora de Venezuela. **CPZ**
 Verificados nuestros libros de control, su informe lo resultó
CONCORDAR !!!
 Demosle nuestras más expresivas gracias por la valiosa información.
 Vn. *[Signature]*
Manteniendo
 Barinas, Venezuela **22** de **06** de 1987



RADIO CONTINENTAL
VV 2Z 1320 KHz 10 kW
 4340 KHz 1 kW
 Avenida Marques del Pinar Edificio Radio Continental Barinas - 5201 Estado Barinas VENEZUELA

ANDERS BJORKERLING.
ESTOCOLMO
SUECIA

served the most populated area of Grand Cayman (Georgetown); and the 10 kW 1555 facility at Gun Bluff would cover the eastern edge of Grand Cayman as well as the smaller out-islands of Cayman Brac and Little Cayman. They seem to be very much aware of DXers, and probably quite friendly toward them. **BETTER GET THIS GUY BEFORE IT'S GONE!** For years the only TV here was via home VCR's. There are now two privately-owned stations; and it was my understanding that a third was about to get started (even though one of the two already going is in financial trouble). On top of that, the government may still get into the TV end of things (R. Cayman is a government operation). There is already a studio designed for television in the Radio

Cayman building. I did not have the presence of mind to ask about channels, power, etc; but am sending Mr. Banks some items he requested and will inquire at that time.

(Tom Bryant, 849 Todd Preis Drive, Nashville, TN 37221)

CONTRIBUTORS

- [DHM-IA] Don Moore, Davenport IA; R-5000, ICF-2010 with 400' mini-beverage, 150' L, Radio West Loop.
 [DT-JAM] Don Trelford, St. Ann's Bay, Jamaica; R-2000.
 [BW*MB] Barry Wasylik, DXing at Lewis MB; R-7 and beverages.
 [TB-TN] Tom Bryant, Nashville TN.

DID YOU KNOW that the Unistar satellite network re-broadcasts Jay Leno's monolog on radio from the preceding evening's Tonight program on NBC-TV.



Member of the National Radio Club
 DX News and DX Audio Service
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Dear Mom:

Yep, I'm writing you on my new Official National Radio Club Stationery. I'm trying to save money ... I only paid \$5.00 for a 100-sheet pack when I ordered it from NRC Publications - Box 164 - Mannsville, NY 13661. Not only that, I didn't have to pay sales tax, because I don't live in New York now, but in Jersey, where things are expensive. I send requests to radio stations for verifications, and I think my return rate is going to go up, because this NRC stationery is so professional-looking. I even use it when I write to the Unemployment Office. Oh, by the way, Mom, could you send a few bucks ... I'm running out of postage stamps. Gotta run; it's about 10 time and I think I have Alaska coming in tonight. Thanks, Mom!

Regards, Junior

NewsRadio640am
WGSI



AM Station Map Book, 2nd ed. \$8.00, postpaid.

Edited by DDXD editor Bill Hale, this book is a companion to the AM Radio Log. Now easier to read than ever, the 170-page book is three-hole punched for a ring binder. Data is accurate as of 2-1-93, and updates of individual pages will be available at a nominal cost when a sufficient number of changes have occurred. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.



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Ernest R. Cooper
 5 Anthony Street
 Provincetown, MA 02657

February 4, 1993

Dear Mr. Cooper:

I am writing in reply to your recent letter regarding our TIS transmitter.

Since August of 1990, the Steamship Authority has operated a Travellers Information Service station in the Falmouth area to forewarn patrons of which parking lot currently has availability. It is operated daily year round on a continual prerecorded message loop on 1610AM-KHZ at 10 watts. The station has not been assigned any call letters. We have approximately 6-8 different standard prerecorded messages. The tape is changed as the parking situation changes.

Reception from the transmitter varies but averages 3-7 miles radius from its site on Gifford Street, Falmouth. We were certainly surprised to learn that you have picked it up all the way to Provincetown!

The TIS station is one of our many efforts to alleviate traffic congestion in the Woods Hole/Falmouth area. When I may be of further assistance, please do not hesitate to contact me again.

Sincerely yours,

Diane M. Speers

Diane M. Speers
 Marketing and Service
 Planning Manager

P.O. Box 284 Woods Hole, Massachusetts 02543

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-via Ernest R. Cooper

92/CJCH

Revisitors of the 60's, 70's and 80's

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Tractor pilot: Stanwood Morse of Morse Berry Farm, Lakeshore Road, West Boxford, moves a pile of fresh horse manure trucked in from Suffolk Downs.

Eagle-Tribune photo

A Tour of WWV ... By Wayne Heinen

(This article originally appeared in the October 1992 *Monitoring Times*)

Our tour started as we approach the town of Wellington, Colorado just north of the City of Fort Collins. As we headed north on I-25 a rather large antenna farm was visible off to the west. Heading west on the County road, we were soon at a driveway sporting a metal sign. "National Institute of Standards & Technology, Frequency-Time Broadcast Service Radio Stations WWVB - WWV". The station buildings and antenna are located about 1/2 mile in on the dirt road.

WWV occupies 390 acres on the plains just to the east of the foothills which lead to the Rocky Mountains. We were greeted at the WWVB building by Director Jim Maxton. The WWVB building houses the 13 kw transmitters for WWVB along with some of the timing equipment.

We started with a basic overview of how WWV arrives at the correct time. This process is a lot more complicated than one might think. Each morning a reading is taken from the GPS (Global Positioning System) navigation satellite and compared to a small cesium clock in Boulder, simultaneously the same operation is performed at the Fort Collins transmitter site on one of their reference clocks. These readings measure the differences between the reference clocks. By using some complicated mathematical formula the difference between the WWV reference clock and UTC is determined.

At one time a system called the line transfer system was used. In this older system a reading was taken on the leading edge of the tenth line of a particular TV station's horizontal sweep. This was done simultaneously in Boulder and Fort Collins and the differences between the leading edge of the horizontal sweep was compared to the pulse of the clocks in both locations. This gave the difference between the two clocks in Boulder and Fort Collins which then could be used to calculate the difference between the reference clocks and UTC.

The new GPS antenna is a helical enclosed in a small plastic bubble at the top of a mast on the WWVB building. The yagi that was used in the line 10 system is still mounted below it.

As we enter the WWVB building the first equipment we're shown is the GPS receiver and the associated microprocessor that takes the readings and records the difference between the WWV reference clocks and UTC. The comparator system selects the reference clock that is the closest to UTC and has that on line. The best reference was running about 12 micro seconds fast according to the print out

that Mr. Maxton ran for us. "However, that does not mean that we're transmitting 12 microseconds off. We enter corrections to the timing system so that we are transmitting the correct time."

From this point our tour becomes a look at two basically identical transmission facilities. Before we head down to the WWV building a few things of interest were noted at the WWVB building. There is a sign on the door to the clock and RF Oscillator room "Please, No Nylon Jackets" Jim explained "Some of the equipment in this room is rather sensitive to static electricity. That's why the sign and the fact that the room is totally shielded to keep stray RF out". The transmitters used at WWVB are affectionately known as "Blue" and "Gray" for their unique paint jobs. These were old military transmitters that were stripped down and converted to run on 60 kHz.

Because of the 35 mph winds that were blowing, we took the car down to the WWV building. Upon entering the building we were greeted by Technician Matthew Deutch, who took us to the repair shop. There we met Charles Snider, the other Technician. Matthew proceeded to take us on our tour.

First we stopped at the clock and oscillator room. This is known as the "Screen Room" because it is shielded from all outside RF. Here there are racks with three identical sets of clocks. These are the ones that "time" WWV. Matthew explains "We are currently running our most stable clock. The others are constantly being compared so that we know that we are putting out the proper time".

"The cesium clocks put out a steady 5 mHz signal. This signal is multiplied or divided by "Time Code Generators" in order to provide the proper RF frequency for each of the transmitters 2.5, 5, 10, 15 and 20 mHz that WWV operates on. The audio tones and the time ticks are all derived from the cesium clocks. The time code generators control all of the audio portion. The tones, time ticks and time announcements."

The voice message console is where the voice recordings are made. The weather announcements, the Geolerts and all other announcements are phoned in and recorded on the appropriate tape. The time code generator knows what minute it is and switches on the appropriate tape. During the 18th minute we all get to hear the A Index, K Index and solar flux which helps us in propagation.

One thing that was surprising was the old drum recorder with the voice of Don Elliott Heald was still operating. The new time code generators that were installed about a year ago have the new digitized voices that you hear.

Many people are unhappy with the new voice of the digitized system. Jim Maxton assured us that a another new voice was going to be used and the digitized messages would be recorded by an announcer named John Doyle. We were treated to a preview and Mr. Doyle's voice sounds like it would be very pleasant to hear over WWV. The recent mention of WWV going to Daylight time a month earlier than they should have was due to a error in programming of the new Time Code Generators. "Unfortunately, there is no display of the program that's currently running."

Next we viewed the transmitters of WWV. Each frequency has an on line and a standby transmitter. The new on line transmitters run Class C operation, while the old transmitters ran Class AB. The more efficient Class C transmitters really help out the electric bill. Prior to their use WWV ran an average of \$10,000 a month for electricity; now the bill is around \$ 7000. The transmitters are in a hallway that completely surrounds the shop. Outside of that hallway is another hallway. This allows access to the rear of the transmitters for repair. A full color schematic diagram of the transmitter's circuitry hangs on the wall

Through the second hallway we were lead to the power distribution area. This is also where the backup generator is located. If power fails WWV and WWVB will continue to

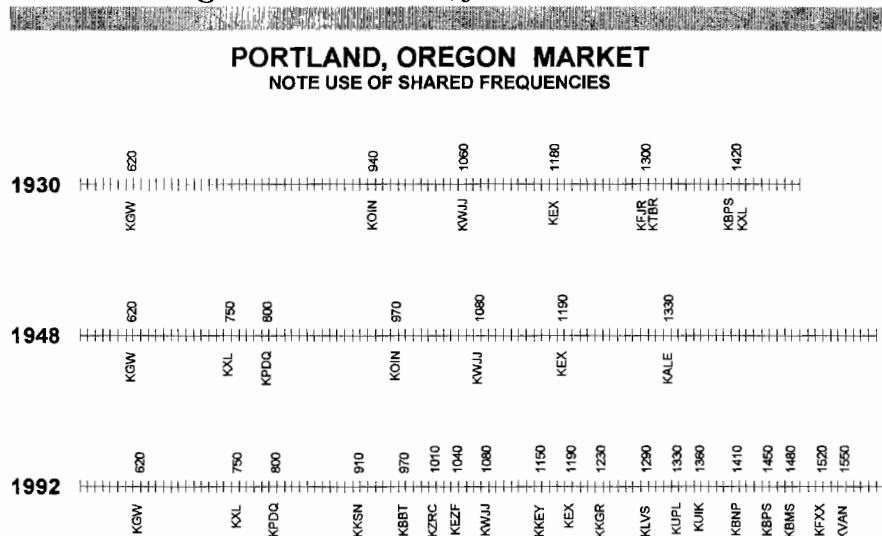
broadcast, as both have separate backup generators.

Next is the "antenna farm" for WWV. Each transmitter feeds a separate 1/4 wave vertical antenna. WWV employs two wide band backup towers for the 5 frequencies. We walked out the rear of the building and up a small flight of stairs to an observation platform. From the platform we could observe all seven of the towers that are used, as well as the feed lines that are mounted a foot off the ground. WWVB has a large top loaded antenna system consisting of four towers in a diamond formation and a backup of the same size. This was best seen from the road. We walked back through the WWV facility and passed the QSL board in from hall. This board sports ham & SWL cards from around the world. We said our thanks and so ends our Special Tour of WWV.

WWV and WWVB are unable to accommodate tours due to the lack of personnel. They do, however, have a publication which is available for the asking that explains about WWV, WWVB, WWVH and the services that they provide. There address is 2000 East County Road 58 Ft. Collins, CO 80524. When writing request NIST Special Publication 432 and let them know that you enjoyed this special tour of the station.

Now and Then John D. Bowker

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



Satellite Service DX Tips ... by Dave Schmidt

In the last few years, services provided by satellite networks has increased in leaps and bounds. Two of the original founding networks, Satellite Music Network (now part of ABC) and Transtar (now Unistar) have grown as the largest providers of full time programming for stations in the US. All types of formats are offered, from modern country to oldies to big bands/standards, even all news from CNN's "Headline News". Tones are 'hidden' on the audio which will give the cue for the station to insert local ID's, break times for spots, weather and 'liners', inserting the call letters locally with the announcers voice heard nationally!

The delivery of the signal of most of the services is basically the same as a regular home satellite services which anyone can pick up. These are known as sub-carriers to the main signal, working in the same principle as sub-carriers on FM signals. The signals are received on specialized equipment which filter out the noise and enhance the audio so that broadcast quality audio is heard as the final product. Some of the services, in recent months, have switched over to "digital" audio (such as Unistar's Hot Country format) and can not be received without special digital decoders. Most of the services still use "analog" processing and can be picked up via sub-carrier audio receivers, if you know the channels they're on. And since most services are in stereo, 2 separate signals are being sent, the left channel on one signal, the right channel on another. Station equipment is so designed that both channels are picked up at the same time, a home listener would need 2 separate receivers in order to hear the whole thing.

How do they start the ID's which you hear? This is done via 25hz and 35hz sub-audible tones. The tones are put right on the main audio channels of the audio are specific times and different combinations of the tones do various functions at the station. As an example, a 25hz tone only on the left channel is picked up via the station and fires an ID automatically. The receiver at the station has special filters which take out the tone and special tone decoders are built into the unit with a small relay that automatically closes and starts the source for the ID, such as a cartridge machine. At the start of a spot break, the network would send down a combination of 25hz on the left channel and 35hz on the right channel, the receiver would then close another relay to start that programmed function. Each network has a specific tone or tones to do a specific function with a local audio source.

The local audio can be inserted in many ways, the most common being the standard tape cartridge machine. Since the breakaway times for local commercial are pretty much standard, and times are pretty much determined as part of the programming as to the length of the break, the trick begins on how to fill it. In early set ups, generally a reel tape was produced with the time needed to fill on the tape. The satellite network would send the start tone for the break and it was up to the station to on how to cut the network audio, generally through a latching relay system which inserted the local audio but cut the network. At the end of the break, the network would send another tone to 'rejoin' the network or the local break would need a tone to turn the network audio back on. In the last few years, computers have taken a giant step forward into play in this type of set-up, using digital audio to take the place of the old analog systems. Basically, the audio is transferred on to disk inside a special computer by the local station and programmed into the system to play at a specific time. ID's and weather can also be inserted to play at certain times and from the tones on the network, the ID's can rotate to a specific voice to match an announcer change on the network. The computer system can also be used to the DXers advantage, as the DX TEST run by WDOV-1410 last year was programmed into the break times of their satellite service, pre-recorded with the tone, voice and code ID's and the computer was programmed to play it at certain times on the morning of the test. The CE didn't need to be there and the test went as scheduled!

So if you hear Unistar's AM Only on 1250/1260/1280/1320/1360/1380/1390/1400/1600 in the east, stick around as the ID's will be showing up sooner or later. If your local station is running some type of satellite service and you hear audio with lots of pauses, tones, close circuit feeds, or no ID's, then they have got a problem such as the equipment not working or even picking up something they're not suppose to (but that NEVER happens in radio, he says!). The satellite net's can be the DXers friend so take advantage of it in your early morning listening!



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Musings of the Members

Dave Schmidt

P. O. Box 11502

Wilmington, DE 19850-1502

Times are local per Muse; submit double-spaced only.

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

ELLIOT R. STRAUS - 980 COOPER DRIVE - TOMS RIVER, NJ 08771
 ----- Hi gang! I've put in my 1st week at the dials in over 10 years. I've been using an old 'PRF' while my R390A is being worked on and had forgotten how sensitive that little radio is. I put it on a 11110 turntable which I can rotate with my fingertips while listening and logged 50 new stations this week and sent out 35 reports. When I was really into heavy DXing, that would have been a good 6 months. Some observations of the band after a 10 year layoff: too many all talk stations, to many religious stations, and, especially here in the NE, too many Spanish/ethnic broadcasters. It's tough hunting around for verifiable info on a talk station or religious broadcaster. Nothing spectacular to report DX-wise but I had a few very productive sunset sessions. Having more stations on the old clear channels allowed me to make a lot of logging on frequencies such as 1200. It's really great to be back in action, I didn't know how much I missed it, but perhaps it's better for having been away so long. I remember Monday mornings where 2 new stations and 1 or 2 reports was a rounding success. Things will really pick up when I get the old shack back in shape. Questions: 1) Does anyone know where I can get something where I can plug 2 antennas into a device and then into the receiver and be able to switch antennas without them affecting one another? 2) Does anyone know anything about the Watkins Johnson WJ8711 receiver? That's about it from here for now, 73's

MIKE HAWK (NØBY) 10212 P STREET - OMAHA, NE 68127-2130
 ----- Having just returned from the DXpedition near Fremont, NE staged by ERNIE WESOLOWSKI, I figured a MUSE was in order. It was really a treat to get away from all the noise experienced in the city. I put up a 200' longwire on 1/23 and hoped that the noise level would stay low. The noise did stay low but a line of severe thunderstorms in TX didn't help any. Total, I heard 7 new ones, mainly from the NW. Conditions were exceptional into MT, WY, AB, & SK and above average to the rest of the west. In addition, the longwire seemed to be somewhat directional to the west. Stations such as KROW, KDOWN, KNBR, KBOT & others topped their frequencies at strengths of 20 u/s9 or more! I was most successful in hearing MT throughout the night. KATB, KQTR, KXTL, KGHL & KMOM were a few heard dominating their frequencies. From ND, KRYZ was blasting out WFAM & KTMN. KLTC was strong on 1460. KFYZ & KSJB were in at 10 o/s9 in the afternoon. Other surprising catches from within the US included KFYI-910, KZMQ-1140, WKZT-1270 & KSOP-1370. From Canada, CKRC was heard as early as 3:40PM. Also, CKSB-1050, CHAB-800, & CKY-580 from MB, CFEZ-1570, CROM-650, CKKY-830, CJWW-750, CKDM-730, & CKCK-670 were all heard at signal strengths at least equaling those from the US. Total, 10 showed up from NE, IA & MN. We're already planning next years trip to Fremont, were we hope to be able to put up a LW of at least 350-400'. At home, using my 2' loop, I had a few decent catches around Christmastime. JBC Radio One was heard regularly at stronger than normal levels, occasionally over WLW. On Christmas Day, I noticed that KKOK-630 is now // 97.1, no longer 'Soul 63'. On one of my worst frequencies, 1330, I managed to hear WFTO at sign-off, inviting listeners to tune 101.9 FM. Another interesting catch was WGCI-1390 with my personal favorite non-ID as 'Busky Radio 1390'. Also, I've heard WCCN-1370 several times at night when they are supposedly 42 watts, they ID as 'Memories 1370.' I listened to them from 1:34 til 2:24AM before they finally gave an ID. In late Jan., I picked up KOWA at about 8:30PM. They had an interesting jingle, ending with a cow mooring. My total heard on AM now is 1391. Sadly, KOIL-1290 is now parallel KXKT-103.7 with CW and KT 103. KOIL still runs local sports, though. In the last few months, KPMQ AM-FM went country (now KYNN), KXKT-103.7 & now KOIL-1290 are also country. A market that was once overloaded with rock & oldies is now overloaded with country. I've also taken an interest in studying radio wave propagation. I now edit a column concerning HF propagation for a ham magazine. Also, I enjoyed WAYNE HEINEN's article concerning noise in the ECB. I had a problem with my neighbors floodlight for quite a while, ruining all but the strongest signals. 73's

CESAR OBJIO - CALLE ENRIQUE HENRIQUEZ 69 - SANTO DOMINGO, DR
 ----- Hi everyone! It has been a long time that I've been in this column, but even though its a little late, here I am, please excuse me for the delay. On the other hand, it is a pity to receive DX NEWS so late (I blame my post office), I received the 11/9 issue on 1/29, almost 3 months later. I liked the Virgin bandscan by Evan R. Newton, I wish to be of some help with his UNID's: The one on 540 could well be Radio ABC, Santo Domingo also Mundial Perija, Venezuela or Horizonte, Bogota but more than likely ABC. On 670, there is only one strong station and it is Radio Rumbos, Caracas. On 720, Felicidad, Porlamar, Isle Margarita is the probable one. On 830, it could be our HIJB Santo Domingo or Sensacion, Caracas. On 860, Radio Clarin, Santo Domingo or Vision, San Cristobal, Venezuela. On 950. Radio Popular, Santo Domingo or maybe Radio Vision, Caracas with 100kw.

On 1420, it is RADIO Universided Catolica, Ponce, PR, the closest one. On 1540, Radio Caribe, Guayama, PR and on 1580, Radio Jefe, Manati. I hope this information be of some help. ROBERT ROSS, now about HICB-910, these calls belong to 1050 La Voz de la Hispaniola, Santiago). The correct calls are HILB, Bona, DR, but I think the station heard was Radio Q. Novecientos Diez, Maiquetia, Venezuela., with 20kw 24 hours a day. HILB "Radio Noventino" operates til 0200, at most 0215 with 1kw. We now have excellent telephone service in this country, a call cleared up everything. Another UNID on 889.9, Radio Continental, Santo Domingo is HIPJ not HIJP, which is Radio Comercial on 1010. Our station has romantic music at night but what about "La Voz De Bogota"? In IDXD #11 12/21, WIAC-740 is not heard in the city of Santo Domingo, but is heard in the E section of the DR. There is a slight possibility that I can attend the next convention. I say slight because some nephews living in Albany, NY sent me some plane tickets to visit them for a week last year. I went and enjoyed it. They say they can repeat it during the next summer. Could there be anyone driving from NY that could pick me up at Kennedy Airport and give me a ride to Enfield? If anyone can, please let me know, these are only plans now. OK, freinds, this has been too long, but I have been away from the column for so long. See you soon, I hope. Good DXing.

GREG HARDISON - P O BOX 5396 - MISSION HILLS, CA 91395

----- If anyone can stand yet one more mention of the former KGIL-1260, a legal ID heard on 2/1 at high noon PLT erased all doubt, KUQI is the call for 1260, with 540 becoming KOJY. Not a bad mix of tunes for a NOS station, either, they seem to play a liberal smattering of 60's pop tunes. They also boast an all-star lineup with Wink Martindale returning to the LA airwaves, followed by Gary Owens doing afternoon drive. Since I work through the late night/early AM hours, I haven't yet been able to confirm the rumor that both stations actually sign-off 12-6AM. They also feature AP news at the top of the hour. Otherness: the DXers are taking over the Ray Briem show on KABC-790. 3/13 at 12:05AM PLT, give us a call if you're in S CA, we'll go all 5 hours with nothing but DX talk. The show leans heavily toward SW so we need to hear from NRC & IRCA members, just to balance things out a bit. Conditions have been unremarkable on the dials lately, certainly nothing like 1/6 daytime conditions. My question, did the storm moving across the W coast that day enable me to hear KOMO-1000 & KLAD-960 among many others, during the noon hour PLT? 73z

BOB MCCOY - 4618 COOPER AVE., #6 - LINCOLN, NE 68506

----- Time to break the once-a-year MUSINGS habit. I've been devoting a fair amount of time to the BCB lately so my enthusiasm is high. On 1/23, 10 DXers from MN, IA & NE met at Camp Calvin Crest, across the Platte River from Fremont, NE, about 40 miles N of Lincoln and about the same W from Omaha. All sorts of equipment and wires appeared and conditions were excellent. The director of the camp visited us on Saturday night and was stuck by the sight of 10 people hunched over boxes but absolutely silent. I must confess that I didn't listen to the BCB at all, as the SW reception on the LW was excellent, I even bagged a new country, Kenya (4933). While I was gone, KFMQ-1480 went silent. I know that the FM changed calls to KYNN, moved their studios to Omaha, and only include the city of license (Lincoln) in the legal ID. Every once-in-a-while, I think I detect a weak carrier and maybe some tone there. I have no information on the length of the silence and whether it was business or technical problems. DX on this frequency and on 1470 is understandably better and I have IDed 10 stations so far, 7 of them being new. One problem seems to be that the majority of the stations on the frequency use very low night power. Also, KOIL-1290 was off the air for apparent technical reasons 1/30 to sometime 2/1 but I didn't hear anything new. I am working on getting another DX enthusiast to join the fold. One of the local hams has an interest and has made some BCB DX topics the subject of discussion on the Thursday PM ARES net., one night he summarized the Monitoring Times article on DX TESTS and asked NEIL ZANK & I for commentary on BCB DXing & equipment. I gave him a copy of the test info and he has managed to get the WSMI-1540 test. I wanted to make the point on the net that there are all kinds of communications activities, even ones involving a mode that many felt was out-of-date. On a personal note, I suffered the loss of my brother-in-law, Joe Ullman on 1/10. Joe was responsible for helping me publish the program for the 1992 NRC Convention, providing equipment and expertise as well as actually doing the printing, he was 44. Well, that brings things up to date here. 73's

ERNEST COOPER - 5 ANTHONY STREET - PROVINCETOWN, MA 02657

----- When one files his veries alphabetically by call letters, how does he file a verie from a station with NO call letters? While I ponder that problem, veries have been received from WCNZ-1590, WREF-850 and the TIZZY (TIS) on 1610 in Falmouth. I've sent a copy of their fine verie to HQ hoping it'll be printed in an upcoming DX NEWS. Those of you who have been in the club for years may remember Jim O'Brien of Brooklyn and later, Bayside, NY. I received a phone call from his wife Evelyn telling me Jim passed away about a year and a half ago. She had been trying to get in touch with club HQ and with me, but couldn't reach either. With me, it was because of the change in my area code from

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617 to 508. She hasn't thrown his veries away and wanted to know what she should do with them. I recommended "The Committee to Preserve Radio Verifications" at Box 54, Caledonia, NY 14423. I have instructed that mine be so handled when I turn up my toes. I met the DXer who is in charge of this operation at RAY AR-RUDA's pre-Thanksgiving Day get-together in Acushnet, MA and he had with him an album of someone's veries, kept and preserved very neatly. I can not remember the gentleman's name - help, Ray? I also recommend this to other members wondering what to put in his/her will in regard to verifications. I would hope that this DXer friendly fellow, if he is a member of the NRC, would send in a MUSING or article about his service. I know that I have worked hard at preserving my verifications for some 60 years and would hate to die thinking they'll go to the town dump. As to DX, I heard the high-pitched tones of the WMT TEST on 1/31 with, oddly, WSJS the top signal and no sign of WGCC. I sent a report to WLKW-790 in still another try to pry a verie out of RI. I got up early to have a go at the WANN-1070 TEST and they were logged with many CW ID's but not heard til after CBA went off with GSQ at 12:22AM, and still on at 12:44AM. I guess the CE was either late of he waited for CBA to go off (if CBA could be heard in Tallahassee that is!). 2/7 I tried hard to pull in KJRE-1400-TEST but no go. I had so much wanted to add a new "K" call to my log, it's been more than 6 years! No KAAM-1410 either on 2/8. 2/10 I heard "KB" testing on/off between 1:40-2:50AM but was listening with only a half an ear but I did hear them say "WKBW"? On 2/7, my local WIOK-1240 was off/on testing also and I finally sent them a report. Forward-March (Into March!).

BRUCE REYNOLDS - 1617 CORTE DE MEDEA - SAN JOSE, CA 95124

----- Greeting. DX has slowed up to a crawl here due to a combination of indifferent conditions, a new semester and a miserable cold, but a few things to report. I sent a copy of the Morse Code heard during the KEYZ-660 TEST to SKIP DAUERSTEIN and his sharp ham operator ears confirm that it was them (State 723). KZIQ-1360 added on 1/25 with local news to abrupt sign off 5:03PM. KDIA 1440 was noted off the air around 6:30AM on 1/28, allowing me to add needed KPVR. KDIA came back at 7:15AM with reduced power saying they had been down since 11:00PM the previous night. KPVR-940 was noted on OC due to technical problems on the evening of 1/31. Two Spanish stations were heard, believed to be XEO & XWHY but KPVR came back on before I could ID either. KRDG was IDed at 5PM on 2/5 as the "Ray Love" Christian music station noted several times before around local sunset on 1/30. The multiple station ID was for "KSKD-Sweet Home-Corvallis-Salem; KRDC-Rodding; KJET-Kingsburg-Fresno; KRVC-Medford; KXDA-222-Merced; KLVN-Prunedale-Ballwin; and KLVW-Santa Rosa". On 2/7, I noticed the het previously caused on 1/40 daytimes by a KLOK-1170 spur had disappeared. I hope for good! Verie in from the KDES-TEST. An article in the 2/7 San Francisco Examiner lists the top Bay Area radio stations in the latest Arbitron ratings. There are 4 AM's in the top 5, heard by KGO with KCBS #2, followed by KMEL(FM), KERC-610 & KNBR 680. There are 2 AM/FM combos in the 2nd 5 with KBLX #7 & KOIT #8. 73

DAVE SCHMIDT - P O BOX 11502 - WILMINGTON, DE 19850

----- We'll have a report on the ANARC gathering next issue, looks like we'll have a very good turnout! The DX TEST from WCC-1590 was not heard on 2/15 and I suspect, not on. I have heard WCC a few times this season on their low power night authorization and a past test from the late 70's was heard with no problem. Locally, WCNZ-1590 switched to the SMN "Stardust" format on 2/15, dropping the "Country Cousin" and CW format. That's it so CUN7 or whatever!

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THERE was once a DXer who said he had DXing in his blood.....but after seeing the reception reports he sent out, it was decided he needed a transfusion!

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A station in New York is now using the Radio Mil slogan.....so if a DX'er loops out this station does the null turn Radio Mil to Radio Nil? (Blame ERC for that one, 4/2/79 DX NEWS!)

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Notes from a real DXers log....."Pirate station heard on 1620 last night, not IDed as audio wasn't clear, seemed to overload all my receivers. When looped, DF always pointed at MY HOUSE!" (Contributors name misplaced-luckily!)

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Logsheets - By Frequency

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