

DX News

Serving DX'ers since 1933

Volume 68, No. 23 - March 26, 2001 (ISSN 0737-1659)



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CPC Test Calendar
 WMIB FL 1660 March 25 0000-0400

WTIC/KRLD 'Event' ... Everyone who subscribes to the NRC DXAS listserv knows that the WTIC/KRLD off-air event finally occurred March 18, beginning at 0100 ELT with KRLD leaving the air, and WTIC following suit around 0134, leaving scattered other 1080 stations to be heard by DX'ers. WTIC made it at least as far west as Missouri and KRLD to New York. More details should be available in the April 9 DXN; check DDXD for details. If you wish a verification from WTIC, write to WTIC ENGINEERING, c/o Jeff Hugabone - 10 Executive Dr - Farmington, CT 06032. "WTIC will endeavour to respond to all verification requests (but asks that listeners in our local coverage refrain)," CE Hugabone notes. "Responses will take a while as QSL's need to go to the printers." Fair enough, Jeff, and thanks to you and KRLD's CE Erik Disen for cooking up this fun event for NRC'ers and other DX'ers, who should forward their loggings to DDXD promptly so that the copies of DXN that we send to Jeff and Erik include what you heard.

From the Publisher ... As promised, the full account of the recent events of the "1140 Mystery" is in this issue's "DX'er's Notebook". And it may not be over yet, as SE USA DX'ers continue to hear what may be a Cuban jammer or may be something else on 1140, according to reports posted on the NRC DXAS listserv.

I need to share with the membership that we have had to take what I'll call "disciplinary" action against several members recently for various infractions, especially spurious or incomprehensible reports to the DX columns, but more for simply refusing to cooperate and accede to our many requests for them to clean up their respective acts. At the same time, I need to thank the other 99% of the membership who continue to send in valuable contributions and to bend over to cooperate with our requests and formats. As a result, you should be able to comprehend and trust ALL of the

loggings you find in DXN from now on ... and if you have any questions or problems with future loggings, kindly direct them to the publisher.

Welcome to these new members ... Stephen E. Auyer N2TKX, Liverpool, NY; John R. Stacy, Midwest City, OK; Robert Taylor, Memphis, TN; Mike Leiviska, Oak Grove, MN; Paul McDonough, Medford, MA; John K. Butler, Novato, CA; Bob Zabot, Virginia Beach, VA; Rick Kenneally, Wilton, CT (rejoins); William Edwards, Fort Worth, TX; and Markarian Brothers O'Neals, CA.

DXN Publishing Schedule, Volume 68

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
24.	Mar. 30	Apr. 9	28.	July 6	July 16
25.	Apr. 6	Apr. 16	29.	Aug. 3	Aug. 13
26.	May 4	May 14	30.	Sept. 7	Sept. 17
27.	June 1	June 10			

DX Time Machine

From the pages of DX News:

50 years ago ... from the March 24, 1951 DXN: It was announced that member Steve Mann, Westbury, NY, had prepared a logbook of all Central and South American BCB stations from official government lists, available at 50¢ per copy ... from the March 31 DXN ... Members reporting reception of the DX program from TGN-1180 were Hal Williams, Seymour, CT; Charlie Conley, Lemoyne, PA; and Steve Mann, Westbury, NY.

25 years ago ... from the March 29, 1976 DXN: Gary Atkins, Louisville, KY announced that the LADS GTG on February 1 attracted eight, including another prospective member for the NRC ... Marty Wright, Springfield IL said that he had been in WI trying to buy a radio station, although he decided not to purchase due to its financial condition. "... But I am in the market for a cheap station," he added.

10 years ago ... from the April 1, 1991 DXN: In her "Radio Waves" column, Laura McCusker quoted an FCC report from 1990 that indicated that 42% of the stations visited by the FCC operated with AM power patterns out of licensed tolerance, and 18% of AM'ers were operating over or under licensed power.

AM Switch

Jerry Starr w8jv@yahoo.com
 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

	<u>Old call</u>	<u>New call</u>
850	KACD CA Thousand Oaks	KSSC
910	KVVQ CA Hesperia	KRAK
1020	WRBF FL Kendall	WRHB*
1050	KHTL NM Los Ranchos de Albuquerque	KTBL
1060	WAMT FL Titusville	WIXC
1070	WGLY NY Plattsburgh	WLFE
1140	WTEL NC Red Springs	WYRU*
1290	WYBN MI Saline	WCAS
1470	KRAK CA Sacramento	KIID
1480	WKEA AL Bridgeport	WYMR
1510	WSZE MA Boston	WWZN
1630	WYRU GA Augusta	WTEL*

*Call notes: WRBF/WRHB was shown on 1120 last issue, a typo. After digging through a lot of call histories at the FCC, we believe WTEL and WYRU information shown above is correct ... at least as of 3/15/01

APPLICATIONS FOR NEW STATIONS

550	NV Reno: 1000/400 U2
650	AZ Casa Grande: 250/250 U4
650	WA Pullman: 3000/250 U2
770	AL Fort Deposit: 450 D3
870	PA Reading: 850/225 U4
870	PA Reading: 450/140 U4
890	TX Frankston: 400/250 U4
890	VA Exmore: 220/220 U4
1070	MN Verndale: 10000/5000 U2
1280	NM Artesia: 1000/250 U4
1330	CA Shasta Lake City: 1000/1000 U3
1450	CA Blue Lake: 250/250 U1
1480	VA Glen Allen: 5000/1700 U4
1480	VA Glen Allen: 5000/1800 U4
1490	GA Cordele: 1000/1000 U1
1490	UT Moab: 1000/1000 U1

GRANTS FOR NEW STATIONS

None



APPLICATIONS FROM EXISTING FACILITIES

570	WIDS KY Russell Springs: 500/42 U1
700	KMJY WA Newport: 10000/600 (10000CH) U2
900	WJBB ME Brunswick: 1000/66 U1
910	KXEB TX Sherman: 1000/500 U4
920	KGHO WA Olympia: 3000/17 U1
930	WSLI MS Jackson: 5000/3100 U2
950	WAKM TN Franklin: 5000/80 U1
1050	KEYF WA Dishman: 5000/260 U1
1120	WKQW PA Oil City: 930 (930CH) D1
1240	KSOX TX Raymondville: 520/850 U1
1260	WISO PR Ponce: 2500/2500 U1
1350	WPFM SC Darlington: 1000/1000 U1
1360	KFIV CA Modesto: 4000/950 U4
1450	KTSP UT St. George: 10000/500 U1 (no change of frequency is indicated in this appli-

cation even though this power level is not presently authorized on the Class IV frequencies)

1470	WFJY PA	Portage: 200/88 U5 (may be some sort of stop gap measure to get this station back on the air; the one-year limit for being silent is fast approaching)
1490	KWOK WA	Hoquaim: 1000/760, city of license to Cosmopolis, WA
1530	WKTW PA	Jeannette: 750/750 U1
1570	WGSR FL	Fernandina Beach: 50000/7000 U4
1570	KQWC IA	Webster City: 232/137 U1
1580	WSMO NC	Camp Lejeune: 20000/16 U1

GRANTS TO EXISTING FACILITIES

600	CKCL NS	Truro: to 99.5 FM
750	CKGB ON	Timmons: to 99.3 FM
850	WABA PR	Aguadilla: relocate transmitter
920	CJCJ NB	Woodstock: to 104.1 FM
980	KZXX AK	Kenai: 5000/900 U1, relocate transmitter
990	KRKS CO	Denver: 6500/390 U2, relocate transmitter
1050	KMAP CA	Frazier Park: 10000/7 U5
1240	CJNH ON	Bancroft: to 97.7 FM
1300	KKSC CA	Brawley: relocate transmitter
1700	KQXX TX	Brownsville: 8800/880 U1



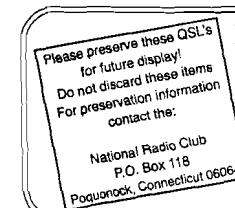
OTHERNESS

600	KNRO CA	Redding: station is SILENT	1700 AM • 106.3 FM • 107.9 FM
620	WTGH SC	Cayne: CP for 1000/126 U1 is on	
920	KLOC CA	Ceres: silent station is ON THE AIR	
980	WPRE WI	Prairie du Chien: CP for 1000/30 U1 is on	
1060	KFIL MN	Preston: CP to relocate transmitter is on	
1130	WMGA GA	Moultrie: according to the paper trail at the FCC, the CP to move to 580 kHz Riverside, GA was never used, and the station has remained on 1130, this despite all other major databases such as NRC and MSJ showing a move to 580 several years ago (see Otherness in Issue #22)	
1140	WRMQ FL	Orlando: call shown as "WRQM" in last issue's Otherness was a typo	
1140	KCXL MO	Liberty: CP for 500/6 U1 is on	
1190	KVCU CO	Boulder: CP for 6800/110 (5000CH) U1 is on	
1150	KSRB WA	Seattle: CP for 10000/6000 U2 is on	
1240	KXLE WA	Ellensburg: CP to relocate transmitter is on	
1340	KKYD CO	Denver: silent station is ON THE AIR	
1340	WCMI KY	Ashland: CP for 700/700 U1 from new site is on	
1340	KXEO MO	Mexico: CP for 960/960 U1 is on	
1410	WDSK MS	Cleveland: CP to relocate transmitter is on	
1480	WCIN OH	Cincinnati: CP for 1300/250 U4 from new site is on	
1550	WAUX WI	Lake Geneva: station is SILENT	
1580	KRAN CA	Merced: silent station is ON THE AIR (and expects their 1660 kHz station to be on "very soon")	
1590	WKHZ MD	Ocean City: silent station is ON THE AIR	

THANKS: Don Kaskey, Ed Krejny, Art Blair, Bill Hale, Wayne Heinen, Shawn Axelrod, Olle Ailm, Montag Fortz, and MSJ

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

Jerry & BKF



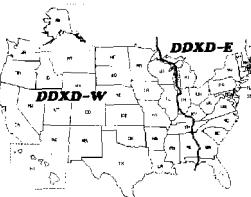
If you are interested in helping preserve the history of our hobby through preserving your collections, you should consider ordering a supply of these free 3-inch-square stickers to place on your veries, recordings, etc. Specify the number you need, and order from Ron Museo - P.O. Box 118 - Poquonock, Connecticut 06064-0118. Include an SASE. Don't wait until it's too late - order now.

Domestic DX Digest

West: Bill Hale phantom 2@eaze.net

6124 Roaring Spring Drive • North Richland Hills, TX 76180-5552

(Division line is
between East and
Central time zones)



East: Michael Shaw mshaw002@tampabay.rr.com

455 Alt. 19 S., Apt. 176 • Palm Harbor, FL 34683-5931

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

DDXD-West

MEDIUM WAVE RAMBLINGS

- Commenting on the recent trip to the DX bus, Shawn sez: "Well the weather was nice and warm and the walk in much better than the last trip. The DX was great too with new ones popping up. TA and TP were still no were to be found above 200 kHz. I also logged some new Longwave beacons. Will try for one more trip before Spring thaw and the fields get too wet." Tim Hall was also on the road recently, and comments: "Conditions were pretty disappointing. I drove down to Pearsall to get away from San Antonio's pests (especially those on channels adjacent to GY channels), with results that were no better than in San Antonio. With a few exceptions (KSOX-1240 comes to mind), South Texas stations seem to get out pretty poorly. Mexican GY stations, on the other hand, get out pretty well." Don writes: "This morning (3/6) on 1270 at 7:17 am the announcer on KPLY-Sparks was giving a promo (very large spin) on the move of all sports radio KPLY to 1230 kHz on Monday March 12th. This would lead one to believe that KCBN will move to 1270 also, probably with NOS format. I'm sure this will go over great with all their (KPLY's) fringe listeners. They are very listenable in S.F. 70% of the time.";
- Since the KRLD/WTIC event was re-scheduled for Sunday, March 18, I expect a ton of 1080 loggings from youse guys and gals.
- An excellent turnout for this mid-March issue. Keep those loggings coming. See you in two weeks.

REPORTERS

AB-CA	Art Blair	Folsom	NRD-515 & Kiwa loop	<blairs@calweb.com>
TRH-CA	Tim Hall	Chula Vista	Delco car radio	<halls@inetworld.net>
TRH-TX1	Tim Hall	DXing on the road between Austin and Pearsall	ICF-2010, Kiwa Pocket Loop, Hyundai car radio	
TRH-TX2		DXing from San Antonio	same equipment	
GJ-CA	Gary Jackson	Sacramento	FRG-8800 + Kiwa Loop	
DKK-CA	Don Kaskey	San Francisco	Drake R-8 + Kiwa Loop	<kaskey@jps.net>
TK-AL	Tony Klimt	Alabaster	Superadio + Select-A-Tenna	
BM-SD	Bill Moser	Fort Pierre	using barefoot Superradio II	<wcmfort@dakota2k.net>
MBDXP	Manitoba DXPedition (Shawn Axelrod and Wayne McRae)	Valhalla Beach	2- ICOM ICR-70 and Drake R8 + 6 Beverages 1000 to 2000 feet long, 2-MFJ 1026 Phasing Units	
JJR-WI	John J. Rieger	South Milwaukee	Icom IC-R75 + Kiwa loop or GE Superadio III + Terk AM1000 loop	<johnriege@webtv.net> and <http://DX-midAMerica.com>
JTR-OK	John Reed	Ponca City	Racial RA6772F with 100' wire, modified KIWA loop, MFJ phaser	<jreed@ponca.net>
KR-AZ	Kevin Redding	Mesa	DX-398 and Radio Shack 15-1833 loop	<amfmtdvx@qwest.net>
MS-MB	Morris Sorensen	Winnipeg	Drake R8 with McKay-Dymek DA-9 loop	<SMosor@aol.com>
RT-CA	Rich Toebe Davis	Grundig	Satellit 3400, Radio West Loop or car radio	<richtoebe@jps.net>
Ed-TX	Editor	North Richland Hills		



Newcomb Broadcasting Corporation
161-B Hillwood Avenue, Falls Church VA 22046

STATION NEWS & NOTES

- 730 CJNW BC Vancouver - 3/4 0730 - Poor, under CKDM, with talk programming and TC. New calls. (MBDXP)
- 820 WYPA IL Chicago - Now 1-on-1 Sports. (Tim Noonan at <http://www.angelfire.com/wi/dxing/#head>)
- 970 WBCG NC Canton - 3/4 2021 - Fair, alone on frequency, with Best Country - WBCG. Ex: WWIT. (JJR-WI)

1230	KCBN	NV	Reno - 3/6 2030 - Atop, with Tom Leykis program and ID as KPLY 1270. So is relaying KPLY already. (DKK-CA)
1270	KPLY	NV	Sparks - 3/6 1007 - With announcement that they were moving the whole kit and kaboodle to 1230 kHz on Monday, March 12. (DKK-CA)
1560	(KNZR)	CA	Bakersfield - Noted off 3/6 2250-2345 while driving home from Sacramento. Spanish language, assumed Mexican heard. IDed on hour but I was driving past electrical interference, of course! KNZR back at 2345 with sports talk. (RT-CA)
1620	KSMH	CA	Sacramento - Has moved antenna site from Cool, California to near Sacramento. Power not yet hooked up, so is running on a generator. Still working on antennas. Signal 100% stronger here. (GJ-CA)
1660	KAXW	CA	Merced - Is now testing. No set air date. Is using Ranchera music. (GJ-CA)

UNIDs and UNID HELP

700	UNID	??	- 3/2 0158 - UNID Radio Unica station. (TRH-TX2)
780	UNID	??	- 3/4 0650 - Poor signal, under WBBM, with country music. Best to south. (MBDXP)
890	UNID	??	3/15 0240-0248 - Weak station, with C&W music, as KDXU faded down. Methinks CJDC. (AB-CA)
1010	UNID	??	- 3/5 0250-0306 - Fading up and down in strength, in CBR null, with ESPN Radio. Of course it faded down at the top of the hour. Who is this? (RT-CA)
1230	UNID	??	- 3/2 0806 - REL program, Focus on the Family is brought to you as always by Dee's Christian Bookstore. Can't find any listing for such a business in Texas, New Mexico, Oklahoma, or Louisiana. (TRH-TX2)
1250	UNID	??	- 3/3 2115 - Odd, possible Middle Eastern music and man in unknown language. Best to south and east. (MBDXP)
1400	UNID	??	- 3/2 0701 - News mentioning Arkansas and Union County. Probably KELO-AR, but no ID noted. (TRH-TX2)
1450	UNID	??	- 3/2 0750 - Ad for Lincoln Ready-Mix, then into Valley weather. There is a Lincoln County Ready Mix in Ada, OK, so possibly KGFF-OK? (TRH-TX2)
1600	WCPK	VA	Chesapeake - Is likely JJR-WI's unID in #21, as they use that slogan, has that format, and often forgets to pull the switch. (RJE-PA)
1690	WPTX	MD	Lexington Park - Is most certainly RD-IA's unID in #21. This station programs talk part of the time and "Legends" part of the time. (RJE-PA)

TIS & OTHER STUFF

530	WPLX284	CO	Denver - 3/4 0559 - Good signal, with road information on I-25. (MBDXP)
530	(TIS)	TX	New Braunfels - 2/28 2130 - Station noted running OC as I drove through the area. Seemed to stay that way all three days I was in the area. (TRH-TX1)
530	WPHZ492	TX	Austin - 3/2 1610 - Two HAR stations using this call and running the same message. English announcements by man, Spanish by woman. Audible as far away as Lockhart. (TRH-TX1)
800	WPLT343	TX	Austin - 3/2 1620 - HAR station operated by the Austin district of the Texas DoT. Information on upcoming road closures. (TRH-TX1)
1610	WPI661?	WY	? - 3/3 2035 - Poor signal, with partial ID, as WPI661(?) 1601 AM, saying they were Travel Advisory Radio for Wyoming. Not sure on calls. New. (MBDXP)
1640	TIS	TX	Austin - 2/28 2003 - New TIS is now on the air at Austin's Bergstrom International airport. Tape loop talks about local bus service, parking, etc. No call letters. This station gets out extremely well. It was audible most of the way to San Antonio at night. (TRH-TX1)
1660	WPJP551	CA	San Diego - 3/14 1345 - San Diego Convention Center station is here now, ex: 1620, with usual info about convention center parking. Still using incorrect calls WPJ551. (TRH-CA)
1690	TIS	CA	San Diego - 3/13 2125 - New TIS testing at San Diego International Airport (Lindbergh Field). One-sentence test message does not include any call letters. Gets out pretty well. (TRH-CA)



La Voz del Pueblo, Radio Pública
PO Box 1870 • San Sebastián, P. R. 00985

540	CBK	SK	Regina - 2/27 0730 - Talk on Canadian energy policy, then into CBC News. (JTR-OK)
550	KFYR	ND	Bismarck - 3/10 0650 - Female with K-Fire 550 KFYR over others. (JJR-WI)

MIDNIGHT TO MIDNIGHT ELT

6
 570 WKBN OH Youngstown - 3/10 0608 - Good, unusually strong. No usual WNAX/WKYX.
 News Radio. (JJR-WI)
 580 KMTT OR Ashland - 3/3 0335-0400 - Over/under KMJ, with ads for Ashland merchants
 at 0345. At 0400 call ID and into CNN News. Format is ESPN Radio. (DKK-
 CA)
 580 CKY MB Winnipeg - 3/10 0647 - Fair, alone, with KY-58 slogan and oldies. (JJR-WI)
 590 KSUB UT Cedar City - 3/5 0757-0801 - Talk show, promo cart, ad and ID. CBS News at
 the top of the hour. Fair signal in Omaha null. First time heard at this location.
 Reception reported. (BM-SD)
 610 KNML NM Albuquerque - 3/5 0720 - Good, with ESPN and One-on-One Sports, non-ID
 as ESPN-610, mentions of *The Sports Animal*, child care, and PSA for Albu-
 querque and District. Tried for this when I heard KKOB-770 booming in.
 (MS-MB)
 650 KGAB UT Orchard Valley - 3/3 1935 - Fair signal, with ID and talk programming against
 the right wing in America. (MBDXP)
 650 KMTI UT Manti - 3/9 2235-2250 - With Utah high school basketball. Many IDs given
 during time-outs etc. Under/over KSTE. (DKK-CA)
 680 CJOB MB Winnipeg - 3/10 0827 - Poor, but clear, with local sports and calls. Not com-
 mon. (JJR-WI)
 690 WJOX AL Birmingham - 3/5 1855-1859 - Local ad and sports talk focusing on Tiger
 Woods. Sudden disappearance a minute early as they switched to nighttime
 operation. First time heard here, but previously verified. (BM-SD)
 700 WLW OH Cincinnati - 3/4 0340 - C&W music, national weather at 0344, *Truckin' Bozo*
 slogan at 0349. Fair-to-good signal; not heard in many a moon. (AB-CA)
 710 WFNR VA Blacksburg - 3/10 0725 - Fair, with ads, calls, 1-on-1 Sports. (JJR-WI)
 710 WDSM WI Superior - 3/1 2025 - Good, with ad for Puckmasters in Duluth, ad for Lake
 Superior College, etc. ID: *The best sports talk on 710 WDSM* into local hockey
 game. (MS-MB)
 710 WDSM WI Superior - 3/10 0726 - Poor, with calls, in WFNR null. Sports. (JJR-WI)
 730 KWOA MN Worthington - 3/4 2000 - Fair, with ESPN Sports, ID, CBS News. Alone on
 frequency. 159 watts! (JJR-WI)
 740 CBX AB Edmonton - 3/7 0135 - Under KCBS, with classical type music // 1010 CBR.
 (RT-CA)
 750 CJVR SK Melfort - 3/10 0640 - Fair, in WSB fade, with time check, PSA, calls, and
 C&W. (JJR-WI)
 770 KATL MT Miles City - 3/4 1949 - Fair, in WABC null til fade out at 1954. Calls, ad, news
 brief, promo. NEW! For 770 #9, and Montana #7. (JJR-WI)
 800 CHAB SK Moose Jaw - 3/6 2235 - C&W music and ID. Fair-to-good for twenty-plus
 minutes. Co-channel QRM from XEROK and others. (AB-CA)
 830 KFLT AZ Tucson - 3/7 2017-2021 - For the Sake of the Call, conversation about the song
 by two men, mission message, traffic report and news headlines. Fair signal,
 battling co-channel interference from unusually strong WCCO. First time
 heard; reception reported. (BM-SD)
 850 WWJC MN Duluth - 3/1 1808 - Good, with long-range weather. 31 degrees right now at
 WWJC. (MS-MB)
 860 KTRB CA Modesto - 3/15 1840 - With a traffic report for the Modesto area. The re-
 porter was female. New. (KR-AZ)
 860 KPAM OR Troutdale - 3/8 0718 - News Talk 8-60 KPAM slogan/ID. Co-freq QRM from
 XEMO. (BM-CA)
 870 KRLA CA Glendale - 3/15 0259 - News Talk 870, *The New KRLA* slogan/ID, news and TC
 at 0300. EBS [???? - Ed.] says KIEV, Radio Locator KRLA. (AB-CA)
 900 CKBI SK Prince Albert - 3/4 0640 - Poor, but the in clear the alone. Calls, Soft AdCon
 music. No CHML. (JJR-WI)
 910 KJJQ SD Volga - 3/2 2259 - Fair, with ESPN announcements and ID: This is Depot(?)
 Radio-KJJQ Volga-Brookings. (MS-MB)
 920 KLOC CA Ceres - 3/4 1602 - Noted with smooth jazz music, relaying *The River at 105.5*,
 The station for relaxation. Gave dual call KVR/KLOC ID at two minutes past.
 New format; had been Spanish language as long as I can remember. Still
 weaker signal; easy to hear KJHM Reno in their null. (RT-CA)
 1 1 8 0
WFGN
 920 KIHM NV Reno - 3/10 0955-1005 - With religion. ID at 1000. Heard call OK, but slogan
 bothered greatly by KNEW splatter. *Immaculate . . . Heart Radio* or similar.

7
 920 KBAD NV Las Vegas - 3/15 2047 - With basketball and an ad saying that Oldsmobile
 was the official car of the NCAA Basketball Tournament. New. (KR-AZ)
 920 CKNX ON Wingham - 3/11 0003 - Fair, at 20/9 in local WOKY null! Calls into PSA.
 C&W. (JJR-WI)
 930 KSEI ID Pocatello - 3/9 0853 - With call ID, then into item about basketball coach
 Bobby Knight. (AB-CA)
 940 KXTK IA Des Moines - 3/1 1857 - Fair, with Des Moines ads, talk about upcoming
 events in Des Moines, AM-940 slogan, and talk about NFL signings. (MS-
 MB)
 940 KVSH NE Valentine - 3/4 1927 - Fair, with detailed weather for area. No CINW. (JJR-
 WI)
 940 KICEt OR Bend - 3/15 2104 - With ESPN sports talk. New. (KR-AZ)
 950 KJR WA Seattle - 3/6 2104 - With ID after news, then into ads. Atop 950 but usual
 horrible KABL-960 slop. (DKK-CA)
 960 CFAC AB Calgary - 3/10 0107-0115 - Atop, with *Come Home To Your Country Connection*,
 CFAC *Calgary* at 0112 atop in tight KABL null. Playing C&W music. (DKK-
 CA)
 980 KJOX WA Yakima - 3/9 2220-2230 - With ESPN Radio. During break from 2223-2226
 two KJOX Sports IDs were heard as well as local ads. Atop, with KFWB nulled
 out. (DKK-CA)
 1010 KXEG AZ Tolleson - 3/4 2005 - Church news from Phoenix, followed by preaching
 then signal faded out. New here. (JTR-OK)
 1010 CBR AB Calgary 3/15 2115 - With a CBC news story about a trial in progress. New.
 (KR-AZ)
 1080 KVNI ID Coeur d'Alene - 3/5 0910 - With great signal, atop all, with ID and time
 during a local news show. *News 4 Weather Central* weather at 0911. Best ever
 heard. (DKK-CA)
 1080 WTIC CT Hartford - 3/3 0025-0035 - Very weak, with *News Talk 1080 WTIC* at 0030.
 (TK-AL)
 1080 WKJK KY Louisville - 3/3 0035-0050 - Fair signal for 1 kW [but their ERP toward you is
 about 8 kW - Ed.]. NOS format with promo: *Write to P.O. Box 4007 (?) For*
 your Loyal Listener Card. KRLD always dominant. (TK-AL)
 1090 KMXA CO Aurora - 3/15 2101 - Has a *Radio Tricolor* slogan with SS ad for Century
 Chevrolet. New. (KR-AZ)
 1180 KYET AZ Williams - 3/7 0300 - With ID after C&W music. Loudly atop the frequency.
 Open carrier followed ID, so may have been an equipment test. (DKK-CA)
 1180 WHAM NY Rochester - 3/4 2055 - Call ID, political ads, then sports news. Signal was
 strong on fade-ins. (JTR-OK)
 1190 KEX OR Portland - 3/15 2110 - With call-in phone show giving the local number and
 prices of phone calls. New. (KR-AZ)
 1190 CFSL SK Weyburn - 3/10 0548 - Very good at 20/9! No WOWO. C&W. (JJR-WI)
 1200 KOQI CA Soquel - 3/6 2120 - Noted extremely loud with C&W music. Probably using
 their 10 kW. (DKK-CA)
 1220 KMVL TX Madisonville - 3/5 2105 - NOS music, ad for Madisonville Rodeo. This fre-
 quency is adjacent to local WBZZ-1230. Heard best on Racial RA6772E in this
 strong interference. New here. (JTR-OK)
 1230 KGEQ CA Bakersfield - 3/6 0300 - With Bakersfield ads and ID. Only atop briefly.
 QRM fierce. (DKK-CA)
 1230 KPRL CA Paso Robles - 3/6 2130 - With AM 1230 KPRL ID. (DKK-CA)
 1250 WEAE PA Pittsburgh - 3/3 2043 - Fair signal, with ESPN programming and ads for
 Pittsburgh. New. (MBDXP)
 1260 KLYC OR McMinnville - 3/9 2055-2215 - Under/over KOIT, in locals tight null, with
 Oregon 3A High School Basketball Tournament. Pleasant Hill Billies versus
 ?? Tigers. Numerous local ads and IDs throughout. Called station and
 startled them, hi. First time this one was ever heard here. (DKK-CA)
 1260 CFRN AB Edmonton - 3/6 0654 - Spot for oldies program and AM 12-60 CFRN ID. (AB-
 CA)
 1280 KVWG TX Pearsall - 3/1 2030 - Loud, with satellite country as I drove into Pearsall.
 When I left Pearsall (after 2200), the station was off the air. (TRH-TX1)
 1290 WMCS WI Greenfield - 3/3 1954 - Poor, in CFST null, with Milwaukee ads. (MBDXP)

1300 KKOL WA Seattle - 3/10 0823 - Female with KKOL call ID followed by program notes. (AB-CA)

1310 CIWW ON Ottawa - 3/13 1916 - Fair, with WIBA nulled. Non-ID as: Oldies 1310. (JJR-WI)

1320 WMSR TN Manchester - 3/10 0542 - Poor, but on top of frequency, with oldies and local ads. 79 watts! (JJR-WI)

1330 KKPZ OR Portland - 3/2 0930 - With readings from the bible. Fair-to-good, under KLBS. (AB-CA)

1330 WHBL WI Sheboygan - 3/1 1845 - Fair. Talk about a Michigan school banning bare midriff fashions. Song *Don't Let the Sun Catch You Crying*. Announcer said 33 degrees at Sheboygan station WHBL. Ad for computer store in downtown Sheboygan. (MS-MB)

570 CKGL
Kochmar's Information Superstation

1340 KTSN NV Elko - 3/5 0926 - ID during local break of ESPN Radio. Some QRM from KXEG's Spanish. (DKK-CA)

1340 KWKC TX Abilene - 3/1 2203 - Fair signal into Pearsall, with CNN News, ads, and *Your station for news, talk, and sports*, KWKC. (TRH-TX1)

1370 KWRT MO Boonville - 3/10 0757 - Poor, with calls and oldie, over others. Not common. (JJR-WI)

1390 WNIO OH Youngstown - 3/10 0753 - Fair, with garden talk show, ads, calls over an unID C&W station. No WGCI. (JJR-WI)

1400 KJOK AZ Yuma - 3/2 0810 - With KJOK call ID. Last heard 5/17/99. (AB-CA) [Almost a regular, hi - Ed.]

1400 KAYS KS Hays - 3/5 0603 - Fair, with ABC News and KAYS Weather. Said ... today's high 45 degrees. (MS-MB)

1400 KEYL MN Long Prairie - 3/4 1958 - Fair, with clustered ads, local news IDs as *Keel* and 1400 KEYL. (MS-MB)

1420 KMHS OR Coos Bay - 3/10 1023-1056 - Long sought. Came in when most signals had faded. Rock/pop music. At 1026 had several local ads mentioning Coos Bay then *Pirate Radio KMHS*. This repeated often after songs ended. Minor XEXX QRM and where is KSTN? (DKK-CA)

1430 KMRB CA San Gabriel - 3/6 1030 - ID in EE: AM K-M-R-B after ads in Mandarin. Chinese programming first noted at 1025. Heard Mandarin greeting *Ni Hao* cluing me that this might not be semi-local KVVN, who is Vietnamese. (DKK-CA)

1440 WGEM IL Quincy - 3/2 1855 - Fair, with quiz game into local news on hour with many WGEM IDs and mentions of *The Tri States*. (MS-MB)

1450 WASK IN Lafayette - 3/2 2238 - Poor, in fade up, then back to slop. Cool Oldies WASK. (JJR-WI)

1450 KATE MN Albert Lea - 3/4 1800 - Fair, with ID as 1450 KATE Albert Lea Minnesota during break in *Minnesota vs. Illinois* college basketball. (MS-MB)

1450 KWHW OK Altus - 3/1 0850 - Poor-to-fair, under KCTI, with Swap Shop program at 482-1450. (TRH-TX2)

1450 KCTI TX Gonzales - 3/1 0838 - Fair, with weather, Paul Harvey promos, slogans *Good for Gonzales and ... from the Cradle of Texas Independence* (which must be what their call letters stand for). (TRH-TX2) [That is correct, Sir - Ed.]

1460 KRRS CA Santa Rosa - 3/8 2110-2120 - Atop in Spanish. This nearby station with their tight null toward San Francisco is rarely heard atop the frequency, if at all. (DKK-CA)

1460 KXNO IA Des Moines - 3/2 0058 - Fair, with news from the WHO newsroom, IDs. (TRH-TX2)

1470 KWSL IA Sioux City - 3/13 1916 - Poor, very weak, with Oldies 1470 KWSL, under WMBD/others. (JJR-WI)

1470 KEAN TX Abilene - 3/15 2123 - / to KEAN 105.3 (?) and playing C&W. (KR-AZ)

1490 WTIQ MI Manistique - 3/4 0552 - Poor, with jingle and oldies. (JJR-WI)

1510 KMND TX Midland - 3/13 0400 - ToH ID for KMND 1510 and KRIL 1410 after Art Bell. Apparently they are // these days. (KR-AZ)

1520 WHOW IL Clinton - 3/3 1830 - Poor signal, with country music and WHOW ID. (MBDXP)

1550 KAPE MO Cape Girardeau - 3/3 2120 - NOS music and call ID. Fading badly. Call ID was heard during fade-in. (JTR-OK)

1560 WCNW OH Fairfield - 3/4 0658 - Poor, on top of frequency, with legal ID. No usual

1570 KPRO CA Riverside - 3/15 2225 - With religious program, with black preacher giving it all and going to town on things. (KR-AZ)

1580 KRANp CA Merced - 3/7 2003-2115 - FINALLY! At 2003 noted another Spanish speaker below KBLA. At 2016 newcomer up for ads in SS. I heard Merced and Modesto mentioned. Format was Ranchera Music while R. Unica (KBLA) had strictly talk. Joined by KMIK and KGAL for next hour. In again 2102-2112 with music under KBLA. *Cielito Lindo* at 2110. No ID heard, but not much else likely. Must be using 100 Watts!? (DKK-CA)

1580 WTTN WI Watertown - 3/5 0757 - Fair, with PSA for vaccination clinic, mentions of Highway 10 near Juneau and mention of WTTN *Hundred Dollar Cash Prize*. (MS-MB)

1590 WTVB MI Coldwater - 3/10 0654 - Poor, with calls, in fade up. NOS. Used to be much more common. (JJR-WI)

1650 KFOX CA Torrance - 3/7 0230 - With much stronger signal than usual. Denver noted beneath. (DKK-CA)

1680 KAVT CA Fresno - 3/4 0630 - Poor signal, under WJNZ, with Radio Disney programming //1690. New. (MBDXP)

1690 KDDZ CO Arvada - 3/7 0220 - With Radio Disney blasting KSXX away. Nice signal all morning. (DKK-CA)

1700 WEUV AL Huntsville - 3/9 12 Midnight - Very weak, mixing with KQXX, KTAK and KBGG, with ID and then into gospel music. Id sounded like "WEUP". First time heard in months. (GJ-CA)



GRAVEYARD DX UPDATE

* indicates record held by DXer from North America (excluding Alaska)

<u>1230 kHz:</u>						Miles
KTJK	TX	Del Rio	Don Trelford	Runaway Bay, Jamaica		1672
<u>1240 kHz:</u>						
KASO	LA	Minden	Tim Hall	Irving, TX		214
<u>1400 kHz:</u>						
KAYS	KS	Hays	Morris Sorensen	Winnipeg, MB		(Tie) *768
<u>1450 kHz:</u>						
KATE	MN	Albert Lea	Morris Sorensen	Winnipeg, MB		(Tie) *454
XECU	SIN	Los Mochis	Tim Hall	Chula Vista, CA		681
<u>Totals:</u>						Total
Don Trelford	Toronto, ON (pre-1960)	39	22	37	34	38
Tim Hall	Chula Vista, CA	20	14	22	20	19
Don Trelford	Scarborough, ON	7	10	8	9	17
Don Trelford	Runaway Bay, Jamaica	4	6	6	5	10
						7
						38

DDXD-East

This is the first column of 2001 that has two weeks' worth of loggings, so keep that in mind if you note some catches from January and February.

STATION NEWS							
1510 WWZN MA Boston	-03/03 1600	- Good at times over and under local CKOT on east wire with One-on-One Sports Saturday; "Boston's 50000 watt home for sports, One-on-One Sports, WWZN, Boston, AM 1510". New call. Had just changed to WSZE from WNRB about 2 weeks ago; guess they didn't like that call, hi. (JF-ON)					
	+ - 03/08	- One-on-One Sports. Ex-WSZE; only about one month as WSZE. Eleventh set of calls. (SM-MA)					
1570 WWCK MI Flint	-03/10 1540	- Good with gospel music, "Rejoice 1570" and "Musical Soul Food" slogans. Only gives calls quickly at top of hour. New format; ex-CHR // FM. (JF-ON)					

UNID, UNID HELP, PRESUMED AND CORRECTIONS					
680	UNID	—	03/10 0008 – Weak with Arabic type music. Has to originate to the east or northeast of Indy as everything to the west is phased out. Need help on this one. (SC-IN)		
880	UNID	—	03/07 1825 – Poor with talk program and "Classic Talk 880" slogans. (JF-ON)		
900	UNID	—	03/06 1945-1800 [Maybe 1945-2000? – MS] – The Joan Rivers Show in partial CHML null. ID blown out, but had Broadcast News. Almost certainly must be CKTS. If CHML has Broadcast News, I've never heard it. (SK-PA)		
910	WGTOp	MI	Cassopolis – 03/03 2253 – 1950s-style "WGTO" jingle, then "You're Mine (and We Belong Together)". Clear for a moment then in mix with second oldies station and One-on-One Sports. Partial ID from one at 2300 "Good Times and Great Oldies". WGTO had all, or mostly all '50s oldies. (SK-PA)		
970	UNID	—	03/01 2227 – "Fox Sports Radio - The Buzz." This is a regular here, suspect Pittsburgh, PA. Never caught a callsign yet. (DT-CT)		
990	WALEp	RI	Providence – 02/14 1925 – In with REL programming and brief weathercast for the area. (LW-NY)		
1070	WLFEp	NY	Plattsburgh – 02/10 0730 – C&W music on "Double Play Saturday" on "Your kinda Country 1070". Mixing with WKOK, sounding like they're located in VT but it's formerly WKDR. (LW-NY)		
1250	WAREp	MA	Ware – 03/09 1709 – Presumed the one here with Latin American music and numerous "La Mega" and "La Mega siempre" ID/liners. On top at sunset on both 03/09 and 03/10. (NJW*ON)		
1380	WSYA	—	03/01 1600 – heavy co-channel, caught ID twice: "WSYA" and "WSYA 13-80". (DL/MID)		
1440	WWTMp	MA	Worcester – 03/07 2042 – Bucks vs. Celtics NBA game; ID given as "WEEL Network". (WM-MD)		
1490	WOLFp	NY	Syracuse – 03/02 1756 – Presumed in graveyard mess with typical puerile Radio Disney junk. (MKB-ON)		
	UNID	—	03/08 1829 – Callsign was given twice, sounding like WGAL or something very similar (WGEL, WJAL, etc.). Nothing on 1490 seems to match, but they didn't say "1490", so it could be // an FM or other AM. I think they said "NewsRadio" after the callsign on one occasion. They did a promo for a "Disney on Ice" show coming up on March 28, but I couldn't decipher the name of the arena. A search on "Disney on Ice" didn't turn up any likely candidates. Any ideas? (BM-ON)		
1520	UNID	—	03/13 1656-1730+ – Good at times mixing with WWBK and WTHE with Asian programming on east wire. WTRI? (JF-ON)		
	WRSLp	KY	Stanford – 02/19 0210 – In underneath WWBK's open carrier with C&W music and 96.3 FM ID. (LW-NY)		
1550	CBEp	ON	Windsor – 03/02 0230-0300 – Media Review (a Radio Australia production) followed by CBC news; no ID at top of hour. Making it over WDZK CT Bloomfield, Disney. (DT-CT)		
1600	KIVA	NM	Albuquerque – My tentative report from 02/08 has been verified NM #2 from this location. (SK-PA)		
	KWOMp	MN	Watertown – 02/27 0048 – Canned ID "It's unforgettable music on Classic 1600" jumped over basketball game (later determined to be unneeded WBLY). I always get a new one when WWRL is absent. 1600 #35. (SK-PA)		
1630	WRDWp	GA	Augusta – 02/27 1850 – Fair; Augusta vs. Mississippi Southern Conference hockey game in KCJJ null. (BC-NH)		
1650	WHKTp	VA	Portsmouth – 02/14 2133 – Mention of February 14 th "day in history" on "AHL's Norfolk Admirals Hockey Network". (LW-NY)		
1660	WQSnp	MI	Kalamazoo – 02/27 1835 – One-On-One Sports talk about the NBA in WWRU null, over an UNID satellite nostalgia station likely WMIB; no sign of WGIT Puerto Rico. (BC-NH)		
	DX AND EQUIPMENT TESTS				
1080	WTIC	CT	Hartford – 03/03 2325 – Test was bogus; never left the air! (SK-PA)		

WRSC / WBLF / WQWK / WINK

STATION LOGGINGS					
550	WICE	RI	Pawtucket – 02/19 1758 – Ad for State Farm Insurance; ID. Poor. (WM-MD)		
560	CFOS	ON	Owen Sound – 02/14 0100 – Promos for station and for Dr. Laura; ID. (WM-MD)		
580	WHP	PA	Harrisburg – 02/17 1935 – Various ads; PSA for Fatherhood Initiative, promo for Dr. Dean Edell; "The Big One"; ID. (WM-MD)		
590	WHVW	NY	Hyde Park – 03/04 1323 – "Best hits" ID; included an old cigarette ad "Winston tastes good like a cigarette should..." Oldies. (DT-CT)		
600	WICC	CT	Bridgeport – 03/09 1710 – (Snow storm report) Program gave storm cancellations followed by two ads: Jeep Cherokee and GBTA bus route information. Talked about Bradley International Airport road repairs. Station meteorologist said that there would be more snow that evening. (MC-NJ)		
610	WNTW	VA	Winchester – 01/23 0700 – Poor; religious programming. ID "The Word is on AM 610 WNTW". (SC-IN)		
	WSLC	VA	Roanoke – 01/30 0400 – Fair; country music. ID "WSLC AM-FM Roanoke, Lynchburg and the New River Valley with the new 94.9 Star Country". (SC-IN)		
	CKTB	ON	Saint Catherines – 02/15 0645 – Fair; motto "No talent too big, no topic too small. John Harding weekday afternoons on 610 CKTB". A Furniture Gallery commercial also heard. (SC-IN)		
620	WZON	ME	Bangor – 03/02 1920 – Battling nulled WHEN with "Black Bear hockey on the Sports Zone 620 WZON" ID heard during pause in the action of University of Maine vs. Providence college hockey. (MKB-ON) + 03/2 2140 – Good; University of Maine Black Bears hockey on "The Sports Zone WZON"; over WVMT. (BC-NH)		
	WJWR	NJ	Newark – 03/2 2150 – Good; promo and ID "One-On-One Sports, WJWR New York AM 620" with WZON and WVMT nulled. (BC-NH) + 03/03 2225 – ID "New York's sports station, WJWR." into One-on-One sports programming. (DT-CT)		
630	WDGY	WI	Hudson – 01/27 0735 – Good; Ice fishing discussion. ID "The Sports Authority 63 WDGY". (SC-IN)		
	CFCO	ON	Chatham – 03/04 2219 – Newer country music (Garth Brooks, etc.); ID. (DT-CT)		
	WBMQ	GA	Savannah – 03/07 2155 – Very briefly out of the mud with "6-30 WBMQ, Count on it" ID by female, then back into call-in talk show with male host. (MB-NJ)		
640	WFNC	NC	Fayetteville – 03/02 2154 – "Listen to Money Talk on Saturday 4:00 to 7:00 P.M. on WFNC"; ID "In Southeast North Carolina, news is spelled WFNC". Returned to Michael Reagan Show with Mike Seigal substituting. Sung ID "WFNC, Fayetteville, 640 AM 102.3 FM". Signal, fair, faded during 10:00 PM network news and Cuba took over. (MC-NJ)		
670	WWFE	FL	Miami – 03/03 2205 – Spanish programming, English ID at 5 past hour; Spanish ID with actual callsign. Latin American music; in null of WSCR. (DT-CT) + 03/12 0300 – With WFAN-NY temporarily off, got a good solid ID on this one in WSCR-IL null. Spanish programming - full, loud EE ID at top of hour. Seemed stronger than 2500w. (RWK-CT2) + 03/06 2257 – News in SS, mention of Miami and Washington, short music break, then in EE "WWFE, Miami". WMAQ nulled. Looking for YVL1. Caracas; what a shock! WWFE must have "forgotten" to go off daytime 50kW. (GH-NY)		
	WSCR	IL	Chicago – 03/03 2207 – IDs "WSCR, Chicago's 50,000 watt sports..." and "Sports six-seventy, The Score". (DT-CT)		
680	WRKO	MA	Boston – 03/10 0100 – Signal shredded by CFTR and WPTF. "WRKO The Talk Station" and "News-Talk WRKO" with Charlie Van Dyke voicing the IDs. (SC-IN) + 03/06 1900-2000 (also 03/05 2144) – (Snow storm report) Mo Lazio Show discussing blizzard in Boston area. Phone calls from people in Andover, Wilmington and other towns saying they had no electricity. Host said not to let your water pipes freeze—let the water run a little bit; said he learned the hard way. At 1955 got phone call from Silver Spring, MD, where they talked about skywave reception. Host said that he did not understand it and said		



signal was directional [Jeez! – MS]. Signal faded in and out but mostly good. (MC-NJ)

CFTR ON Toronto – 03/09 2359 – Poor , slugging it out with WPTF. "Traffic on the 1's" and numerous mentions of the 401 Highway. "Latest forecast from the 680 News Weathercenter, low -4". Call letters only given at top of the hour. (SC-IN)

WPTF NC Raleigh – 03/09 2352 – Fair, with ACC Tournament wrap-up at the Georgia Dome and Raleigh mentioned in the credits. Promo for Dr. Dean Adell Show and ID "News-Talk 680 WPTF". (SC-IN)

720 **WGCR** NC Pisgah Forest – 01/23 1745 – WGN phased; good. Gospel programming. Complete sign-off with mention of 10KW and AM stereo with non-directional antenna. Also mentioned studios in Pisgah Forest, NC, then SSB. (SC-IN)

WGSE GA Hogansville – 01/23 1800 – WGN phased; very poor. Female announcer with sign-off. Mention of Hogansville and WGSE calls and transmitter site near La Grange. No SSB. (SC-IN)

740 **CHWO** ON Toronto – 03/08 2358 – Lady quickly said "AM 740" after male "Prime Time Radio" in between nostalgia songs. No call or location given. Fighting semi-local WQTM (ex-WWNZ Orlando) for a few minutes, both in line with each other so no good trying nulling. My second Canadian in two years of living in Central Florida, the first being Toronto's 860. 1100 miles. (WB-FL)
+ – 02/23 1940 – Mention of program "Cruise Quest with Bob and Eva" on "Prime Time AM 740". (LW-NY)

750 **WWKK** MI Petoskey – 03/03 2340-2350 – Oldies, e.g. Sonny and Cher "The Beat Goes On", then an ad for "The Old Sportman's General Store, on US 31 just north of Petoskey". Poor to fair with fading in WSB null. New. (BM-ON)

790 **WSGW** MI Saginaw – 02/17 1925 – "NewsRadio 790", ID; into talk show. (WM-MD)

800 **CKLW** ON Windsor – 03/09 2203 – Fair; no Bonaire or Mexican. Windsor Spitfires and Plymouth Whalers hockey game at Plymouth with Steve Bell's play by play. Motto "AM 800". Windsor and CKLW mentioned during commercial timeouts. (SC*IN)

WMTR NJ Camden – 03/06 1800 – End of program hosted by two males. Was under C&W station which suddenly dropped power leaving ID clear: "You're listening to Gospel 800 WTMR Camden, where The Master reigns". (SK-PA)

830 **WCCO** MN Minneapolis – 03/03 0030 – Fair; "Traffic and weather together... 'CCO radio, part of the Infinity family of stations", call letter jingle, and Century-21 Home Run Derby promo; in WCRN null with CFJR. (BC-NH)

WGRU NC Kernersville – 03/05 0106 – "The Truth for the Triad" slogan and calls. (JR-NY)

860 **WSBS** MA Great Barrington – 03/10 1646 – Sports scores, ID and BeeGees oldie under CJBC. (NJW*ON)

880 **CKLQ** MB Brandon – 03/07 0305 – Finally heard call letters at the end of the news during a quiet two seconds of WCBS; returned to country music program. (JR-NY)

KGHT AR Sheridan – 03/07 1850-1901 – Alone with gospel music, ID "KGHT, 'Sonlight 880', Sheridan-Little Rock"; SRN news. (JF-ON)

900 **WVAM** NY Saratoga Springs – 03/01 1953 – Canned ID "AM 900 WVAM"; NOS music. In partial CHML null; likely on day power. It was reported that this is being simulcast on 1160; true—almost; see WMVI logging for more. (SK-PA)

910 **WGBI** PA Scranton – 03/02 2300 – Fair; "WILK Wilkes Barre, WGBI Scranton, W?Y... the WILK network" and ABC news. According to Pennsylvania media Internet sites, WILK is on 910, 960, 980, and 1300. (BC-NH)

920 **WORD** SC Spartanburg – 02/18 2200 – ID, then CBS News. (WM-MD)

CJCH NS Halifax – 03/08 1900 – Over usual pest CKNX with top of hour ID: "This is Talk Radio 920 CJCH" into Broadcast News. (MKB-ON)

WIRD NY Lake Placid – 03/11 2200 – Presumed with hardish rock, Supertramp song, then man "You're listening to the best air in the Adirondacks, WLPW 105.5 and WRGR 102.3" then into track with Hendrix-like guitar. Thought the ID was live, sounded unrehearsed. But the exact ID was used at the top of the next two hours. Over WHJJ-RL I don't have a recent NRC log, so my data says 87 watts [21st NRC AM Log confirms 87, with psra of 308 – MS]. Too dominant all night for that power. (RWK-CT2)

WTHM-AM
2995 Windsor Road
Red Lion, PA

930	 WFMD MD	Fredrick – 03/04 0705 – "WFMD radar weather mid-Maryland" from meteorologist John (?), then ID "WFMD with news, weather, public affairs and inspirational programming - Fredrick's Newsradio 930, WFMD". Fair, mixing with WBEN. [21 st NRC AM Log shows City of License as below – MS](BM-ON)
	1130 AM 5000 WATTS	+ Frederick – 02/15 1729 – Fair; Dr Laura into break and ID "News Radio AM 930 WFMD". Local news leading with Clinton pardons. (SC-IN)
950	WPEN PA	Philadelphia – 03/02 2200 – Top of hour ID "WPEN, Philadelphia". News, then big band music. (DT-CT)
	WBBF NY	Rochester – 03/02 2326 – ID, "93 BBF". Assume FM simulcast; oldies. (DT-CT)
	WIBX NY	Utica – 03/02 2329 – Bruce Williams show; ID "The Mohawk Valley's news talk leader, WIBX". ID was used almost every commercial break—gotta love that! (DT-CT)
960	CHNS NS	Halifax – 03/02 2055 – Continuous oldies music; ID "No one plays more oldies than we do, good time oldies CHNS". (DT-CT)
	WTGM MD	Salisbury – 03/02 2110 – Fair; "Froggy 99.9, your new country leader" and C&W music over WILT. (BC-NH)
	WKVX OH	Wooster – 02/25 1940 – Fair, in and out with calls; OLD music. New and 960 #10. (MB-IN)
970	WJMX SC	Florence – 03/01 2235 – Ad, then Public service announcement; ID "NewsTalk Nine-Seventy WJMX", followed by call in program. Audible again on 03/02. (DT-CT)
	WCHN NY	Norwich – 03/02 2022 – Norwich vs. Chenango Valley basketball game; ID. (DT-CT)
	WZAN ME	Portland – 03/02 2025 Tom Liken (sp?) show, ID, "Your home for Imus in the Morning 970 WZAN". (DT-CT)
	CBZ NB	Fredericton – 02/09 1730 – Mention of program "Maritime Noon", serving Halifax community, then into CBC's "As It Happens". (LW-NY)
1000	CKBW NS	Bridgewater – 02/21 2224-2250 – Good in WMVP null with country music, local weather and numerous "Hometown Radio, CKBW" IDs. (MB-NJ)
1030	WUFL MI	Sterling Heights – 03/07 1844-1845 – A complete sign-off with a male announcer giving references to the Detroit area and WUFL ending another broadcast day with 5 kilowatts power, followed by the Canadian National Anthem and the Star Spangled Banner. Fair signal under WBZ-Boston. (GMC-MD)
1050	WFBL NY	Baldwinsville – 02/28 1710 – Good in WEVD null; "WFBL AM 1050" and America's Best Music satellite nostalgia network. (BC-NH)
	CHUM ON	Toronto – 03/06 0000-0600 – Signal better than usual because of snow storm in northeast? Rock and Roll oldies featuring CHUM classic jingles and taped listener appreciation of the station over the years because of the station's switch to sports in April. Goodbye CHUM. (SC-IN)
	WADC WV	Parkersburg – 02/28 0048 – Canned ID "AM 1050 WADC with great songs and great memories. We're your original hits station". On top at night—very unusual. (SK-PA)
1070	WKOK PA	Sunbury – 02/10 0724 – PSA from Department of Transportation about drunk drivers on ESPN Radio; "All News all Sports from Central Susquehanna Valley". (LW-NY)
	WSCP NY	Sandy Creek-Pulaski – 02/10 1854 – ID "WSCP 101.7 FM, 1070 AM, Sandy Creek-Pulaski". Fair with C&W music. (LW-NY)
	WIWS WV	Beckley – 02/23 1942 – "It's a Hot Mix Weekend", then WIWS jingle. Under WKOK open carrier; ESPN blocked out. (SK-PA)
1080	KRLD TX	Dallas – 03/05 0552 – With calls and "Mysterious Traveler" radio drama. (JR-NY) + – 03/08 1840 – Weak; commercial about Total Fitness Solutions presented by Nolan Ryan's Multivitamins. "KRLD Newstime 5:37. Dallas traffic report presented on the 8's". "For Boston Market KRLD traffic on the 8's". (SC-IN)
	WTIC CT	Hartford – 03/08 1830 – Fair. ID "News-Talk 1080". "Coaches Corner Tuesdays and Thursdays 6:00 PM presented by IGA and by WTIC News-Talk 1080". Mention of Hartford. (SC-IN)
1160	WMVI NY	Mechanicville – 03/01 2005 – End of ABC News, weather from "...the newest radio station, The Moon". Jingle "You're on The Moon". At 2008 "You're on



	The Moon, AM 1160. We shine over the Capital Region all day". At 2020 promo for program Sunday morning "...on 1240 AM [which station is 1240? - MS] and 900 AM". This is an automated NOS music system; the only talking is in the canned IDs. Obviously 900 and 1160 give IDs independent of each other, even though it's the same music. At 2044 message said "A clearer signal on AM 1160. It will soon be the permanent home of Moon Radio". (SK-PA)
1170	WMRH WI Waupun - 03/01 0754 - Steady in WWVA null with local high school sports report; promo for www.wmrham.com web site. QSLed as WLKE in 1980. (MKB-ON)
1190	WOWO IN Fort Wayne - 03/03 2400 - "AM eleven-ninety woewoe, WOWO, Fort Wayne"; ABC News. (DL/MC)
	WLIC NY New York - 03/03 2103-2130 - Caribbean format covering WOWO most of the time. "Forty-five years your Caribbean Connection, WLIC". (DL/MC)
1200	WOAI TX San Antonio - 03/03 0300 - In heavy co-channel caught "WOAI" twice but could not confirm any other program components. (DL/MC)
	WTLA NY North Syracuse - 03/03 0600 - In co-channel on the hour: "AM twelve-hundred, WTLA North Syracuse and AM sixteen-forty WSGO, Oswego" into news. Has WSGO moved to 1640 or did my ears miss a note? (DL/MC)
	WRKK PA Hughesville - 03/03 0700 - Copied the identification in the clear in a pause just moments after WAGE's ID. Copied the "WRAK" callsign as noted in the last AM Radio Log. (DL/MC)
	WAGE VA Leesburg - 03/03 0800 - Frequently uses call sign as a word "wage" in broadcast promos etc. Program "Track Side" by the Middleburgh Broadcasting Network. "AM Twelve-Hundred WAGE, Leesburgh and Lowden County is your sound choice for news"; into ABC News. (DL/MC)
1210	WPHT PA Philadelphia - 03/03 1200 - Basketball "...on the home of the Wild Cats, Talk Radio twelve-ten WPHT". "The Big Talker, Talk Radio WPHT...". (DL/MC)
1220	CKSM QC Shawinigan Falls - 03/09 1658 - French commercials. Several "CHLN cinq-cinquante (5-50) promos. CKSM call letters heard right before newscast at 1700. Fighting it out with WKNR and CHSC. (NJW*ON)
1230	WITH MD Baltimore - 03/01 0100 - REL "105.1 FM, WAVA Arlington, Washington. With twelve-thirty AM, WITH Baltimore, and the world on wava.com". (DL/MC)
	WCMC NJ Wildwood - 03/04 0200 - From out of the co-channel noise: "This is WCMC Wildwood, twelve-thirty AM". Audio on this ID was loud and nearly in the clear. It would seem that the program audio prior to and after the ID must have been set much lower as there was no apparent predominant program noticeable; otherwise the station may have been testing with just an ID at the top of the hour. (DL/MC)
1240	WCEM MD Cambridge - 03/04 0930 - Running Sunday morning religious programs. "AM twelve-forty, WCEM Cambridge, Eastern." (DL/MC)
	WVKZ NY Schenectady - 03/03 0000 - Left the top-of-the-hour tape timer running on 1240, and this one was the first of a very good night, rising out of the mush with "Your rising sun country-WVKZ, Schenectady". (RWK-CT)
	WSKI VT Montpelier - 03/03 0100 - Up from hash with end of big band number, then "1240 WSKI Montpelier. ??? Vermont's family station. Time for CNN Radio News". Then into, of all things, CNN Radio News. (RWK-CT)
	WGVA NY Geneva - 03/03 0200 - Good with end of ESPN SportsCenter. Network feed cut off beginning of top of hour ID which started "...falls, WAUB Auburn, WCGR Canandaigua and WGVA Geneva. We are the Finger Lakes news network"; then ABC News. (RWK-CT)
	WIOV PA Reading - 03/03 0300 - Decent with "Your home for ESPN Radio-WIOV, Reading". (RWK-CT)
	WJTN NY Jamestown - 03/03 0400 - Buried. Took several reviews of tape to make out "Hi, this is talk 1240, WJTN Jamestown". Then spot with WJTN mentions, followed (I think it was them) by ABC News. (RWK-CT)
1250	CBGA QC Matane - 03/10 1641 - Fighting WARE and CHWO with CBC French talk program parallel to 540-CBEF and 860-CJBC. (NJW*ON)
1250	WGL IN Fort Wayne - 03/02 2000 - Fair in WEAF null with "Fort Wayne's first talk station, TalkRadio WGL Fort Wayne, WGLL Auburn", into CBS News. Long-sought to clean up all 36 (29 now, alas) of the three-letter W-calls that were around in 1970. Also, IN #70 and Fort Wayne #3, nearly 31 years after the

1260	CKHJ NB Saint John - 02/09 2235 - Country music program, ID as "KHJ". [21st NRC AM Log shows City of License as seen below - MS] (JR-NY)
	KTOP + Fredericton - 03/05 2224-2252 - Pretty good for the most part, with some good peaks (during the songs, of course) with country music, local weather report from the "KHJ Weather Center" at bottom of hour and multiple "KHJ" and "KHJ AM and FM" mentions. Started to mix a lot with Disney-presumed WWMK, Cleveland. (MB-NJ)
	WDKN TN Dickson - 03/11 1852 - Faded up under WWMK with sign-off by woman announcer; mentioned 5000 watts. New. (JF-ON)
	WNNO TN Chattanooga - 02/26 2000 - WNOD jingle very distinctive as "double U En Oh Oh" through all flutter. (SK-PA)
1270	WLBR PA Lebanon - 02/16 0730 - Very poor; weather forecast "Cloudy skies today, rain tonight; high 44. Reporting for WLBR, I'm AccuWeather meteorologist Jason Gavins". (SC-IN)
	WXYT MI Detroit - 03/07 2209-2234 - Loud at times with new Sports Talk format; many "Team 1270, WXYT" and "Detroit's New Sports Leader" IDs along with numerous local ads. Picked this one up on the backyard wire. (MB-NJ)
	WUCO OH Marysville - 03/03 1941 - Liner between C&W songs "Your home for high school sports, 1270 WUCO". (SK-PA)
	WCBC MD Cumberland - Bruce Williams show heard, ad for funeral home, ID, ABC News. (WM-MD)
1280	CFLZ ON Toronto - 02/16 1357 - Noted for first time with Toronto airport tape loop. Poor, but readable, during quiet moments under WHTK. (JR-NY)
1290	CJBK ON London - 02/20 2304-2326 - Fair among the mess with the "Race Line" call-in motorsports program live from the Canadian International Auto Show and a "Sports Radio 12-90, CJBK" ID at 2320. (MB-NJ)
	WRNI RI Providence - 03/12 1700 - Spot for "Morning Edition", then male: "From Boston University, this is 1290-WRNI Providence and 1230-WXNI Westerly. WRNI is Rhode Island's NPR news station". (RWK-CT2)
	WHIO OH Dayton - 03/08 2139 - "The home of the Flyers"; "NewsTalk 1290"; ID. (WM-MD)
1300	WWCH PA Clarion - 02/01 0300 - Poor; a Christopher Glenn CBS promo then ID "Clarion's overnight news-talk station WWCH, Night-Talk 1300", then CBS News. (SC-IN)
	WXRL NY Lancaster - 02/02 1705 - Poor; country music. Female announcer with WXRL call letters then a male with calls and into a country song I couldn't ID. (SC-IN)
	WMTN TN Morristown - 02/03 1800 - Poor; Neil Diamond's "Heartlight" then ID "Another great hour of music and memories ??? WMTN Morristown", then news. (SC-IN)
	WCLG WV Morgantown - 02/06 1709 - Very poor; Simon and Garfunkel's "Homeward Bound" followed by Drake jingle and ID "More goodtime classic rock WCLG AM". Then into Chiffon's "He's So Fine". (SC-IN)
	WJFK MD Baltimore - 03/01 1726 - Poor; mention of the Baltimore Convention Center then "Now back to the Don and Mike Show on Baltimore's Superstation 1300 WJFK". (SC-IN)
1310	WIBA WI Madison - 02/28 0500 - Good signal, fighting WRSB with "...News, weather, sports and great local talk; this is Radio WIBA, Madison". (RWK-CT)
	WADB NJ Asbury Park - 02/21 2200 - ID "1310 WADB Asbury Park. We keep you up to date 24 hours a day". Then CNN News. (SK-PA)
	WSSJ NJ Camden - 02/24 1959 - Spanish ID "WSSJ Camden-Philadelphia. Maximus _____", then lost to Black Gospel station. Whoever this is they never ID on the hour. (SK-PA)
1320	WJAS PA Pittsburgh - 02/14 0200 - Poor; Tony Orlando's "My Sweet Gypsy Rose" then ID "Pittsburgh's original hit station, WJAS Pittsburgh. It's two o'clock". (SC-IN)
	WLOH OH Lancaster - 02/14 0658 - Poor; caught part of ID, "?" in the morning on WLOH", then into Cher's "Gypsies, Tramps and Thieves". (SC-IN)
1340	WTIF GA Tilton - 02/27 2000 - C&W song ending; partial ID "1340 WTIF", then jumped over by "Morgantown". Can't be WV, possible KY? (SK-PA)

1360	WWLG	MD	Baltimore – 02/28 2100 – “Legends 1360”; ID; ABC News. (WM-MD)
1370	WLTC	NC	Gastonia – 02/13 2124 – Local religious bulletin board; ID combined with 1490. (JR-NY)
	WKMC	PA	Roaring Spring – 03/08 2249 – “Here’s the WKMC forecast...” followed by nostalgic music. (DT-CT)
1380	WHGT	PA	Waynesboro – 03/01 1400 – ROCK “WSRT, Mercersburg, Chambersburg, Peterstown. WHGT Waynesboro, your home for the best rock and roll ever...Star ninety two point one”. I’ve been hearing this ‘Star 92.1’ for quite a while. I stumbled across it on FM the other day and it began to take shape. This is the first time I have heard any call signs. Most frequent ID: “The valley’s only real rocker, Star ninety two point one”. (DL/MD)
1420	WLSI	CT	Old Saybrook – 03/01 1735 – Fair; Metro Traffic, oldies including B.B. King “The Thrill Is Gone”, then “1420, 1150” ID and Parent Report, simulcast with WMRD. (BC-NH)
	WACK	NY	Newark – 01/24 1703 – Poor; out of CNN sounder into local news with Mary Andrews and mention of WACK calls. Lead story about a Republican caucus. (SC-IN) + 03/07 2018-2023 – Various ads with one mentioning Newark; mentions of Wayne county, Lyons and Route 14, then back to high school basketball game; “SportsRadio 1420”; ID. (WM-MD)
	WCED	PA	DuBois – 01/27 1628 – Poor; Goodtime Oldies. ID “You’re listening to WCED DuBois”. WCED weather advisory with female announcer then “Homeward Bound” by Simon and Garfunkel. (SC-IN)
	WHK	OH	Cleveland – 01/29 1620 – Fair; “You’re listening to the Michael Medved Show here on WHK. We’ll get back to the program soon as we take a look at the northeast Ohio weather forecast”. (SC-IN)
	WEMB	TN	Erwin – 02/05 1749 – “...only country, WEMB”. “All Request Hour 6:00-7:00 P.M.; call 743-6125. ABC News at six o’clock”. (JR-NY)
1430	KTBZ	OK	Tulsa – 03/03 0800 – Faded up with ESPN stuff, ID “Sports Radio KTBZ, ‘The Buzz’, Tulsa”. Ex-KELI; KQLL for me. (JF-ON)
	WKLZ	MI	Kalamazoo – 03/03 0851 – Fair at times with promo for The Kalamazoo Museum of Art, ID “This is ‘Super Talk AM 1470’, WKLZ, Kalamazoo”. No longer sports // WQSN-1660. Ex-WYYY; WQSN for me. (JF-ON)
1440	WWTM	MA	Worcester – 02/19 1814 – In with WEEI’s “Instant Replay”. Report from Red Sox spring training camp and interview with former Yankee David Cone. (LW-NY)
	WHKW	OH	Warren – 02/26 2030 – Ads for a concert at the Akron Civic Theatre and Choices Christian Book Store. Live announcer “WHK [last call letter missing from report – MS] 8:31”. Then voice sounding like a Radio Disney voice “Hi, this is Grace”. Very wavy; a few minutes later very clear with Cardinal Moody vs. Hubbard Eagles basketball game. New call letters for me. (SK-PA)
1450	WDAD	PA	Indiana – 02/04 0022 – Very poor; Bee Gee’s “How Can You Mend A Broken Heart”, then ID “1450 AM WDAD” and then disappeared. (SC-IN)
1470	WPAO	PA	Farrell – 03/05 2359 – Heard in pre-top of hour lull: “Christian music for the valley, AM 1470 WPAO Farrell-Youngstown”. Poor with growl on the channel. New. (BM-ON)
1480	WNBX	VT	Springfield – 03/01 0700 – Very good; out in clear with “From the hills of Vermont, WNBX, Springfield”. (RWK-CT)
	WISL	PA	Shamokin – 03/02 1700 – Buried under WADR and WZRC with op of hour ID only: “WISL, Shamokin”. Weak ID, but there’s no mistaking a town name like Shamokin. (RWK-CT)
	WADR	NY	Remsen – 03/08 1800 – Topping WHBC with promo for Jim Rome show; triple-header ID: “WRNY 1350 Rome, WADR 1480 Remsen, and WUTQ 1550 Utica”, into NASCAR news report from the Performance Racing Network. (MKB-ON)
	WDAS	PA	Philadelphia – 02/27 0650 – Black Gospel music; “Welcome to the Hour of Power on WDAS Radio”. (WM-MD)
1500	WGHT	NJ	Pompton Lakes – 03/06 1800 – Fighting off partially-nulled WTOP with end of local weather, into sign-off announcement mentioning 1000 watt power and www.ghtradio.com web site. QSled as WKER in 1977. (MKB-ON)
1510	WNRB	MA	Boston – 03/08 1925 – Over WLAC with non-ID “Boston’s 50,000 watt home



1520	WTHE	NY	Minneola – 03/10 1716 – On top of WWKB with local spots and promo for The Divorce Lawyer show. (NJW*ON)
	WRSL	KY	Stanford – 03/05 2039 – Poor; In and out with mention of Stanford, ad for Russell’s Hardware; “We’re true country, WRSL” ID heard at 2100. (MB-IN)
1550	WDZK	CT	Bloomfield – 03/11 1520 – Mostly ID-free Radio Disney. Occasional “Radio Disney, AM 15-50” IDs. Finally child’s voice: “Hi, this is Erin Carter. You’re listening to Radio Disney, the only station with a mouse in the house, AM 15-50, Hartford”. (RWK-CT2)
	WBSC	SC	Bennettsville – 03/06 2125 – Ads for Parker’s Used Cars; Babcocks in Bennettsville. Live announcer “The program is Gospel Classics. Welcome aboard”. Canned bassy-voiced ID “WBSC”. CBE nearly wiped out. (SK-PA)
1570	WPGM	PA	Danville – 02/27 2300 – Top of hour ID “WPGM FM New Berlin, Proclaiming Jesus Christ in the new Millennium”. Program of classical and Christian music. (DT-CT)
	WFRL	IL	Freeport – 02/24 2351 – A surprise with ID during local sports coverage. (JR-NY)
1580	WTCL	FL	Chattahoochee – 03/10 2025 – Fair with ad for Bradley’s Clothes. “Come on in to Bradley’s. This is WTCL right here in Chattahoochee Park”. This station continues to operate several hours after sunset but listed as a daytimer. (SC-IN)
	WLIM	NY	Patchogue – 02/28 1732 – End of ABC News; WLIM WeatherCenter forecast with Steve Pellitterri, live announcer “It’s 31 degrees in Patchogue”; into NOS. Power drop a few seconds later put them way back in the mix; was clear on top. (SK-PA)
1590	WPWA	PA	Chester – 03/9 2000 – Woman’s voice in recorded ID punched through mush with “AM 15-90 WPWA Chester/Philadelphia” then returned to mush. (RWK-CT2)
	WFTH	VA	Richmond – 03/10 0700 – Trumpet-heavy music, then woman: “We’re your celebration station, WFTH, Richmond” (RWK-CT2)
1600	WHJB	PA	Bedford – 03/05 0830 – “Focus on the Family” show, with discussion of “National Prayer Day”; ID. Good; all alone on the channel. (BM-ON)
	WKKX	WV	Wheeling – 02/28 1734 – Trying to rise above the flutter ..the Ohio Valley, the new WKKX”. Last heard as WOHZ. (SK-PA)
	WCGO	IL	Chicago Heights – 03/01 2300 – Canned ID “Tell a friend about unforgettable1600, WCGO Chicago Heights”, then ABC News. No WWRL. (SK-PA)
			TIS, HAR AND MISCELLANEOUS
1280	UNID	ON	Toronto – 03/06 0000-0045 – Bits and pieces in WADO partial null from Toronto International Airport tape loop. Male and female voices; last sentence very clear: “Toronto International Airport. We’re building a better airport for you”. Call letters and address anyone? (SK-PA)
1380	WTNC	DE	Wilmington – 03/01 1700 – Travelers Advisory Loop. “You are listening to WTNC, Delaware Travelers Advisory Radio Station”. A long loop of local travel info follows. (DL/MD)
1680	WTIR	FL	Winter Garden – 02/15 0200 – In with Florida tourist and travel information and frequent weather forecasts. Fair; #25 heard from Florida. (LW-NY)
			REPORTERS
	MB-NJ		Mike Battaglino Chatham – Drake R8B, Quantum QX loop, phaser and 200' backyard fence wire.
	WB-FL		Walt Breville Lake Wales – Grundig Satellit 700 barefoot portable.
	MKB-ON		Mike Brooker Toronto – Panasonics RF-2200 and RFB-45.
	MB-IN		Mark Burns Terre Haute – Drake R8, Kiwa loop; 80' long wire.
	SC-IN		Steve Chappell McCordsville – Bearcat DX-1000, 3 terminated loops.
	SC*IN		Steve Chappell McCordsville – Sangean ATS 818cs.
	MC-NJ		Mike Clancy Jersey City – Optimus 12-603A.
	GMC-MD		Gerry Conkling Greenbelt – Grundig Satellit T-5000.
	BC-NH		Bruce Conti Nashua – Drake R8B, MWDX-5, 100-ft wire; 100-ft east sloping wire.
	JF-ON		Jeff Falconer Clinton – Drake R8B, pair of 135' noise-reduced/terminated wires (one pointed

20 CHTN
Good Time Oldies

east and one pointed west), modified MFJ-1026 phasing box; Timewave DSP-599zx audio filter.

SF-TN Steve Francis Alcoa - Radio Shack TRF; Select-A-Tenna.

GH-NY George Holland, Jr. Latham - Radio Shack DX-440 and Radio Shack Loop.

RWK-CT Rick Kenneally Wilton - SONY ICF-2010 with Shotgun and SONY ICF-2010 with SM-2.

RWK-CT2 Rick Kenneally Wilton - SONY ICF-2010 with SM-2.

SK-PA Steve Kennedy Coal Township - GE SuperRadio III; indoor wire.

DL-MD David Larrabee Columbia - ICOM R8500 and IC706; loop and long wires.

DL/MD David Larrabee Columbia - Unattended AMRAD LF-modified Ten-Tec RX-320, long wire; running KF5OJ RX-320 controller gathering timed samples at the top of the hour.

WM-MD William McGuire Cheverly - Radio Shack DX-398.

BM-ON Barry McLarnon Ottawa - JRC NRD-525, one-meter loop; inverted-vee.

SM-MA Stan Morss Boxford - Hammarlund HQ-180A; Quantum Loop.

JR-NY Jim Renfrew Byron - Drake R8, 500' E/W longwire; Radio West loop.

DT-CT Dave Twigg Bristol - Yaesu FRG-7; Terk Loop.

NJW*ON Niel Wolfish Toronto - Listening in Coe Hill, Ontario. ICOM R71A, 900 foot wire terminated towards Europe.

LW-NY Leslie Wood East Meadow - SONY ICF-2010; Radio Shack loop.



NON-ARCANE ABBREVIATIONS USED IN DDXD

//parallel to :00:on the hour AC:Adult contemporary AP:Associated Press BBD:big band C&W:country & western CCR:contemporary Christian radio CHR:contemporary hit radio CID:code ID CL:call letter EZL:easy listening EE:English FF:French GOS:gospel LSR:local sunrise LSS:local sunset NFL:National Football League NBA:National Basketball Association NHL:National Hockey League NPR:National Public Radio OC:open carrier PSRA:pre-sunrise authority PSSA:post-sunset authority QRM:man-made interference (power lines, etc) QRN:natural interference (lightning, etc) QTH:location PRI:Public Radio International 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 VID:voice ID

Group still struggling to meet deadline to save radio broadcasting's birthplace

By Adrian McCoy Post-Gazette Staff Writer

The garage where inventor Frank Conrad developed the technologies that launched the broadcasting industry has been on the endangered list for some time. Now the deadline is looming to save it from extinction.

A local nonprofit group called the National Museum of Broadcasting/The Conrad Project has been trying for years to save the Conrad garage/workshop and establish a broadcasting museum here, either at the present Wilkinsburg site or by moving the garage elsewhere.

The property is up for sale and a deal is pending. Now that the Wilkinsburg location is no longer an option, they're faced with the task of moving the garage - and quickly. The current owners, the Wilkinsburg Elks, have donated the garage to the NMB. Now it has to be torn down, brick by brick, before the deal is closed. The goal is to remove it by mid-April.

The good news: Ralph Guild, CEO of the national radio sales and marketing firm Interep, has made a personal contribution of \$50,000 to help save the Conrad garage. Guild has a keen interest in broadcasting history. He's been a major supporter of other broadcasting museums. The Ralph Guild Listening Room at the Museum of Broadcasting in New York was established with his support.

"I've been in radio all of my life," Guild says. "Links to the early history are rapidly disappearing. Anything I can do to help, I want to do. The

link between Conrad's contribution and the early days of AM radio is very clear."

But the NMB has a way to go before the garage can be saved. Bids for dismantling it have been coming in at about \$70,000, according to NMB chairman Rick Harris. And once the garage is taken apart, it will need to be put into storage for an undetermined period. The group is trying to raise the additional funds or find a contractor who will do the job for the money they already have.

"Otherwise, it's going to be lost," Harris said. Conrad's house will be torn down. But the NMB has been able to salvage some details - old mantels, woodwork - which could someday be used to re-create rooms.

If and when the garage is salvaged, the group will be able to focus its efforts on finding the right location and concept for the museum. NMB president Alice Sapienza-Donnelly calls the garage "the Bethlehem of broadcasting. We have approached historical sites, but so far there's been no room at the inn."

The group originally tried to buy the property, which is on the border between Wilkinsburg and Pittsburgh, and establish the museum there. "When we got nowhere with that, we had to change focus," Sapienza-Donnelly says.

The plan now is to use the garage and broadcasting museum as the nucleus of a larger museum concept, and to find a location where it could be one of several attractions. To contact the NMB, call 412-241-4508.

International DX Digest Jim Renfrew renfrew@localnet.com 6988 Bank Street Rd. Byron NY 14422-9702

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

Years ago, Stan Lee, the publisher of Marvel Comics would hand out a "no prize" to any vigilant reader of Spiderman who spotted some inconsistency in the plot line or character development. Well, we award a rare "no prize" to Rich D'Angelo for spotting an error in the stumper of a few weeks ago. WDXC is not a made up club name after all and Rich sets us straight!

Always attempting to seize victory from the jaws of defeat, we'll take inspiration from Rich for this week's challenge: name that mild-mannered secret identity. As before, see if you can spot the fake super-hero! If I make a mistake, perhaps you will win the next "no prize"!

Spiderman	_____
Batman	_____
Iron Man	_____
The Thing	_____
Green Lantern	_____
The Admiral	_____
Mr. Fantastic	_____
Bizarro Superman	_____
Black Hawk	_____

Superman	_____
Robin	_____
Ant Man	_____
Hulk	_____
The Flash	_____
Human Torch	_____
Super Girl	_____
Invisible Girl	_____

RADIO BRAGANCA
AM 1310 KHz

TRANS-ATLANTIC DX

- 153 ALGERIA Chaine 1, Bechar, FEB 17 0002 - man with news in Arabic; strong. [Connelly*H-MA]
- 153 NORWAY NRK Ingoy, MAR 4 0244 - Poor signals with American pop music. [Axelrod/McRae-MB]
- 162 FRANCE France-Inter, Allouis, FEB 17 0001 - news in French; fair. [Connelly*H-MA]
- 171 MOROCCO R. Mediterranee Internationale, Nador, FEB 17 0000 - musical note, Arabic talk by man; fair. [Connelly*H-MA]
- 183 GERMANY Europe No. 1, Felsberg, FEB 16 2359 - French talk by man; good. [Connelly*H-MA]
- 189 ICELAND Rikisutvarpid, Gufuskalar, FEB 16 2359 - piano music; fair. FEB 17 0707 - rag-time-era piano jazz; excellent. [Connelly*H-MA] MAR 4 0126 - Poor signal with folk music. [Axelrod/McRae-MB] MAR 9 0030 - fair to poor with female announcer playing jazz music. Longwave was nowhere near as good as it was 3 weeks ago. France-162 was still the strongest and most consistent signal, but some of the other longwavers like Monaco, Luxembourg and Czech Republic weren't audible. [Wolfish-ON]
- 198 UNITED KINGDOM BBC R.4, Droitwich et al., FEB 17 0003 - English news; poor, mixed with second station. + FEB 17 0706 - talk about the House of Lords and payments they received; good, over DIW beacon. [Connelly*H-MA]
- 207 MOROCCO RTM, Azilal, FEB 16 2358 - Arabic male vocal & violins; over QI beacon. [Connelly*H-MA]
- 216 FRANCE R. Monte Carlo, Roumoules, FEB 17 0704 - news in French; over CLB, BID, & YFA beacons. [Connelly*H-MA]
- 234 LUXEMBOURG R. Luxembourg, Junglinster, FEB 17 0004 - political talk in French; excellent. [Connelly*H-MA]
- 243 DENMARK (t) Danmarks R., Kalundborg, FEB 17 0723 - talk, then music that seemed // 1062; poor with QRM from YVB beacon. [Connelly*H-MA]
- 252 ALGERIA (t) Tipaza, FEB 17 0006 - orchestral music (avant-garde classical); over Ireland's dance club music. [Connelly*H-MA] MAR 12 0000 - FF program up to the top of the hour, pips at exactly 0000:15 (as heard on 153 earlier in the season), followed by news read by a man in FF, music noted around 0020. [Renfrew-NY]
- 252 IRELAND Atlantic 252, Clarkestown, FEB 17 0710 - British accented DJ talked about videos and a Web site "madonnaforever.com"; loud, over others. FEB 17 0745 - excellent with Dido

song "Till You're Resting Here With Me". + FEB 17 0955 - advert "get a 15% discount". FEB 17 1005 - dance music; signal still hanging in there at 5.05 a.m. EST! [Connelly*H-MA]

531 MADEIRA RDP, Porto Santo, FEB 17 0030 - // 666 with Portuguese talk by woman; briefly over Spain and Algeria. [Connelly*H-MA]

531 SPAIN RNE R. 5 synchros, FEB 17 0031 - man with Spanish teletalk show; fading up over Madeira & Algeria. FEB 17 0223 - news; loud, over others. FEB 17 0712 to 0720 - dominant & loud with Spanish talk, no evidence of Faroese sign-on. [Connelly*H-MA]

531 SPAIN RNE1, MAR 11 0243 - With jazz music. Parallel to 585 and 774; poor. [Wolfish-ON]

549 ALGERIA Chaine 1, Les Trembles, FEB 16 2211 - local-like with news in Arabic. The signal was noted as early as 1955 UTC as a het. [Connelly*O-MA]

558 SPAIN RNE R.5 synchros, FEB 17 0225 - // 855 with Spanish teletalk; good, over other. [Connelly*H-MA]

567 IRELAND RTE R.1, Tullamore, FEB 10 0412 - two women discussing a meeting on Thursday; fair to good. [Connelly*B-MA] FEB 16 2210 - female Irish folk vocal. [Connelly*O-MA] FEB 17 0226 - smashing S9+25 signal with talk about "golden opportunities for development in western Ireland". FEB 17 1005 - het still present at this very late time. [Connelly*H-MA]

576 CANARY ISLANDS // SPAIN RNE R.5 synchros, FEB 16 2209 - Spanish talk; poor. Not // RNE-1's at this time. [Connelly*O-MA]

576 GERMANY (t) Mega R., Wobbelin, FEB 17 0226 - likely this with dance club music; a bit behind the RNE synchros. [Connelly*H-MA]

585 SPAIN RNE R.1, Madrid, FEB 16 2208 - man in Spanish; good over presumed Tunisia growl and some slop from VOCM-590 (semi-local WEZE phased). [Connelly*O-MA]

594 PORTUGAL (t) R. Renascença, Muge, FEB 17 0227 - jazz seemed // 963; in messy slop. [Connelly*H-MA]

603 FRANCE France Bleu, Lyon, FEB 16 2146 - // many others with "Baker Street" by Gerry Rafferty; fair to good. [Connelly*O-MA]

612 IRELAND RTE 2FM, Athlone, FEB 16 2355 - dance-club music; over Morocco. [Connelly*H-MA]

612 MOROCCO RTM, Sebaa-Aiouen, FEB 17 0015 - // 207 with female Arabic a cappella vocal; good, dominant at this time. FEB 17 0229 - woman in Arabic, then oud music; monster S9+30 signal, this one is always among the strongest TA's on the E. Harwich slope. [Connelly*H-MA] MAR 2 0015 - Good; man in Arabic parallel 207, it's been awhile since I last received this station. [Conti-NH]

621 CANARY ISLANDS // SPAIN RNE R.1 synchros, Santa Cruz de Tenerife et al., FEB 16 2206 - // 855 with news by man in Spanish; good. [Connelly*O-MA]

639 SPAIN RNE R.1, La Coruna, FEB 16 2205 - // 855 with Spanish news and mention of R. Nacional; good. [Connelly*O-MA]

648 SPAIN RNE R.1, Badajoz et al., FEB 16 2205 - fair with Spanish news // 855. [Connelly*O-MA]

657 SPAIN RNE R.5, Madrid, FEB 16 2204 - woman in Spanish; fair to good. Not // 855 at this time. [Connelly*O-MA]

666 PORTUGAL RDP Antena 1, Lisboa & Vila Real, FEB 16 2204 - muffled Portuguese talk; slightly over probable Spain. [Connelly*O-MA]

666 SPAIN SER R. Barcelona, Barcelona, FEB 17 0028 - sounded like monotone rapid-fire SER-style Spanish newstalk; mixing with Portugal and possible Algeria or Syria. [Connelly*H-MA]

675 LIBYA (t) Libyan Jamahiriya BC, Benghazi, FEB 16 2203 - Arabic music surfaced briefly over a co-channel pile-up. [Connelly*O-MA]

675 NETHERLANDS R. 10, Lopik, FEB 17 0025 - song "I've Never Been to Me" by Charlene; good, alone on channel. [Connelly*H-MA]

684 SPAIN RNE R.1, Sevilla, FEB 16 2202 - man with news in Spanish; fair, through WRKO slop. [Connelly*O-MA] MAR 11 0048 - man in Spanish playing Eric Clapton/B.B. King record. ID heard at 0106. Poor. [Wolfish-ON]

693 UNITED KINGDOM BBC R. 5, Droitwich et al., FEB 16 2202 - woman in English read news that included an item about the collision of the US submarine with the Japanese fishing boat near Hawaii; fair with het from Azores-693.7. [Connelly*O-MA]

693.7 AZORES Centro Regional da RDP, Terceira, FEB 17 0024 - Portuguese teletalk; weak audio. FEB 17 0224 - slow pop vocal, now stronger than UK/Spain-693.0. [Connelly*H-MA]

702 MOROCCO RTM, Sebaa-Aiouen, FEB 17 0222 - Arabic male vo-



cal; rising over the Slovak station. [Connelly*H-MA]

702 SLOVAKIA Slovensky Rozhlas, Banska Bystrica & Presov, FEB 17 0220 - // 1098 with vocal, then piano music. [Connelly*H-MA]

711 FRANCE R. Bleu, Rennes, FEB 10 0358 - // 1377 with "Goodbye Stranger" by Supertramp; poor. [Connelly*B-MA] FEB 16 2146 - // many others with "Baker Street" by Gerry Rafferty; over Western Sahara 50 Hz growl. [Connelly*O-MA] MAR 2 0010 - Good; French vocal parallel 1206, surprised to find this with a strong het against WOR 710. [Conti-NH]

711 WESTERN SAHARA Laayoune, MAR 9 0002 - Fair with woman in AA. [Dangerfield-PA]

711.05 WESTERN SAHARA RTM, Laayoune, FEB 16 2158 - Arabic vocal at very low audio level on monster carrier that was blowing away France-711.00 at the time. [Connelly*O-MA]

729 SPAIN RNE R.1 synchros, FEB 16 2157 - // 855 with talk; in slop. [Connelly*O-MA]

738 SPAIN RNE R.1, Barcelona, FEB 16 2156 - Spanish teletalk, then musical interlude followed by a woman talking about the police; loud. [Connelly*O-MA]

747 CANARY ISLANDS // SPAIN RNE R.5 synchros, FEB 17 0023 - man in Spanish; through CBGY splatter. [Connelly*H-MA]

747 NETHERLANDS Flevoland, FEB 17 0658 - man in Dutch; fair to good over CBGY slop. [Connelly*H-MA] MAR 3 0545 - Fair; English jazz vocals, man and woman in Dutch. [Conti-NH]

756 GERMANY DeutschlandRadio, Braunschweig & Ravensburg, FEB 10 0352 - classical piano music; fair. [Connelly*B-MA] FEB 16 2155 - two men in German; good, over Spain. [Connelly*O-MA]

756 SPAIN R. Euskadi, Bilbao, FEB 16 2232 - fast Spanish talk by man; good / dominant. [Connelly*O-MA]

765 SWITZERLAND RSR, Sottens, FEB 10 0417 - pop vocal with country influences; to fair peak [Connelly*B-MA] FEB 16 2152 - romantic vocal with a bouncy beat; loud. [Connelly*O-MA]

774 EGYPT Abis, FEB 16 2153 - Arabic string, flute, and vocal music; huge, crushing Spain. [Connelly*O-MA]

774 SPAIN RNE R.1 synchros, FEB 11 0409 - // 1107 with Spanish 1950's style vocal; good. [Connelly*B-MA]

783 MAURITANIA ORTM, Nouakchott, FEB 17 0021 - // 4845 with Arabic talk by man & woman, then a male vocal; fair to good, over others. [Connelly*H-MA]

783 PORTUGAL R. Comercial / Nacional, Mirandela / Canidel, FEB 16 2154 - woman in Portuguese; mixed with Mauritania. [Connelly*O-MA]

792 FRANCE R. Bleu, Limoges, FEB 16 2146 - // many others with "Baker Street" by Gerry Rafferty; evenly mixed with SER-Spain. [Connelly*O-MA] MAR 1 2355 - Good; French vocal parallel 1206. [Conti-NH]

792 SPAIN SER, Sevilla, FEB 16 2154 - SER newstalk; mixed with France. [Connelly*O-MA]

801 JORDAN R. Jordan, Ajlun, FEB 17 0020 - male Arabic vocal; poor, slightly over others. [Connelly*H-MA]

819 EGYPT General Programme, Batra, FEB 17 0232 - male Koranic vocal; atop Morocco. [Connelly*H-MA]

819 MOROCCO RTM, Rabat, FEB 17 0017 - // 612 with female vocal; over Egypt & Spain. [Connelly*H-MA]

828 NETHERLANDS (t) Arrow Classic Rock, Rotterdam, FEB 16 2150 - probably this with rock music; in WCRN slop. [Connelly*O-MA]

837 CANARY ISLANDS // SPAIN COPE synchros, FEB 17 0036 - // 882 with fast-talk Spanish news by woman; excellent. [Connelly*H-MA]

837 FRANCE R. Bleu, Nancy, FEB 16 2146 - // many others with "Baker Street" by Gerry Rafferty; under COPE Spain & Canary Islands. [Connelly*O-MA]

846 ITALY RAI R. Due, Rome, FEB 16 2149 - disco music, then woman in Italian; very good [Connelly*O-MA] MAR 1 2350 - Fair; man in Italian, pop music parallel 6060. [Conti-NH]

855 SPAIN RNE R.1, Murcia et al., FEB 16 2148 - Spanish phone-in interview; huge. [Connelly*O-MA]

864 EGYPT Holy Koran R., Santah, FEB 17 0012 - Koranic vocal; briefly over France. [Connelly*H-MA]

864 FRANCE France Bleu, Paris, FEB 10 0349 - romantic female vocal; fair. [Connelly*B-MA] FEB 16 2146 - // many others with "Baker Street" by Gerry Rafferty; loud, over Egypt. [Connelly*O-MA] Paris MAR 3 0515 - Fair; French vocal fighting difficult to keep nulled CIBC 860 interference. [Conti-NH]

873 SPAIN SER synchros, FEB 16 2144 - // 1044 with calm



Spanish discussion. [Connelly*O-MA] La Coruna or Zaragoza, MAR 6 0041 - Clear with conversation between a man, who had a voice like Popeye, and a woman. SER program. [Dangerfield-PA]

882 CANARY ISLANDS // SPAIN COPE synchros, FEB 16 2143 - Spanish talkshow; over UK and a possible Arabic station. [Connelly*O-MA] FEB 17 0036 - news // 837; good. [Connelly*H-MA]

882 UNITED KINGDOM BBC R. Wales, Washford, FEB 10 0346 - English news commentary; to fair peak. [Connelly*B-MA] MAR 3 0450 - Fair; man in English parallel 198, not parallel any SW broadcasts, so it must have been BBC Radio 4. [Conti-NH]

891 ALGERIA Chaine 1, Algiers, FEB 16 2142 - fast Arabic talk by man; strong, over others. [Connelly*O-MA] FEB 17 0037 - flute music, then man in Arabic; huge signal, better than 890 kHz stations. [Connelly*H-MA] MAR 1 2250 - Huge carrier, very little audio parallel a much louder signal on 153. [Conti-NH]

909 UNITED KINGDOM BBC, Moorside Edge et al., FEB 10 0422 - English talk; poor, in CHRL/WABI sloop. [Connelly*B-MA] FEB 16 2215 - man & woman in English; fair [Connelly*O-MA]

918 SPAIN R. Intercontinental, Madrid, FEB 17 0236 - Spanish talk, teletalk; getting by C1CH/WHJJ/CJCJ/CKNX tangle on 920. [Connelly*H-MA]

927 unID FEB 16 2139 - Afropop music with Cuban influences; initially good, then fading into the sloop. This is always a difficult TA channel with adjacent channel 930 packed with CJYQ, CFBC, and WGIN all on bearings similar to those to Europe. [Connelly*O-MA]

936 SPAIN RNE R.5 synchros, FEB 16 2137 - fast Spanish talk by man; good. [Connelly*O-MA]

945 FRANCE France Bleu, Toulouse, FEB 16 2136 - French talk by two women; good. [Connelly*O-MA] FEB 17 0235 - oldie "Na Na Hey Hey Kiss Him Goodbye" by Steam, // 864; good. [Connelly*H-MA]

954 SPAIN R. Espana, Madrid, FEB 16 2136 - Spanish teletalk; excellent. [Connelly*O-MA]

963 PORTUGAL R. Renascenca, Seixal, FEB 16 2135 - Portuguese talk; poor, in tough CHNS sloop. [Connelly*O-MA]

972 LIBYA Libyan Jamahiriya BC, Sirte, FEB 16 2216 - Arabic vocal, talk; to good peak over presumed Spain & Germany. [Connelly*O-MA]

981 ALGERIA Radiodif. Algerienne, Algiers, FEB 16 2134 - woman in Arabic, then a bit of violin music; huge signal, rather distorted audio; over apparent Portugal. [Connelly*H-MA]

981 PORTUGAL (t) R. Renascenca synchros, FEB 16 2134 - bits of apparent Portuguese fast talk; under huge Algerian signal. [Connelly*O-MA]

999 SPAIN COPE, Madrid, FEB 16 2132 - fast Spanish talk and interspersed music; loud, over possible Italian station and CKBW sloop. [Connelly*O-MA]

1008 NETHERLANDS NOS R. 5, Flevoland, FEB 16 2130 - Dutch talk by man & woman; over Canaries & Spain stations, slopped by CKBW-1000 & WINS-1010. [Connelly*O-MA]

1017 SPAIN RNE R.5 synchros, FEB 17 0237 - // 855 with Spanish conversation; poor. [Connelly*H-MA]

1026 SPAIN SER synchros, FEB 16 2128 - // 1044 with teletalk; fair, over rumble. [Connelly*O-MA]

1035 unID FEB 16 2128 - pop music; poor. It seemed too weak to be usual Portugal. [Connelly*O-MA]

1035 PORTUGAL Lisbon, MAR 9 0255 - Fair, pop songs and a fem singer. [Dangerfield-PA]

1044 MOROCCO Sebaa-Aioum, FEB 16 2325 - female Arabic vocal with a picked string instrument (almost like a harp or koto); over Spain. [Connelly*H-MA]

1044 SPAIN SER synchros, FEB 11 0345 - female Spanish teletalk; fair. [Connelly*B-MA] FEB 16 2127 - man & woman in Spanish; huge, over Morocco. [Connelly*O-MA]

1053 MOROCCO Tanger, FEB 16 2126 - man in Arabic; now dominant over UK & Spain. [Connelly*O-MA] FEB 16 2326 - Arabic male vocal; loud. [Connelly*H-MA]

1053 UNITED KINGDOM Talk Sport synchros, FEB 16 2125 - // 1089 with sportstalk mentioning Canada; atop Morocco and SER-Spain. [Connelly*O-MA]

1062 DENMARK Danmarks R. Kalundborg, FEB 10 0436 - "The Longest Time" by Billy Joel, excellent. [Connelly*B-MA] FEB 16 2218 - US soul / blues vocal. [Connelly*O-MA]

1080 SPAIN SER synchros, FEB 16 2124 - // 1044 with man & woman in Spanish; blasting over WTIC ! [Connelly*O-MA]

1089 UNITED KINGDOM Talk Sport synchros, FEB 10 0441 - teletalk about "rowdy fans who have their heads up their backsides"; to good peak. [Connelly*B-MA] FEB 16 2123 - talk about a club's performance in playoffs; excellent. Daytimer WILD-1090 was easily phase-nulled with the



loop / whip cardioid array. [Connelly*O-MA]

1098 SLOVAKIA R. Slovensko, Velke Zaluzie, FEB 17 0216 - operatic male vocal (// 702); over Spain. [Connelly*H-MA]

1098 SPAIN RNE R.5 synchros, FEB 16 2122 - // 1152 with Spanish newstalk; over huge growl. [Connelly*O-MA]

1107 SPAIN RNE R.5 synchros, FEB 10 0444 - echoey Spanish talk, then "Raindrops Are Fallin' on My Head" by B. J. Thomas; good. [Connelly*B-MA] FEB 16 2121 - // 1152 with Spanish talk by man & woman; to good peak. [Connelly*O-MA] MAR 1 2335 - Fair; man and woman in Spanish, synchro echo. [Conti-NH]

1116 SPAIN SER synchros, FEB 16 2120 - SER Spanish newstalk; good. [Connelly*O-MA]

1125 SPAIN RNE R.5 synchros, FEB 16 2119 - very echoey Spanish teletalk (synchro delays), then R. Nacional de Espana ID by woman; over others. [Connelly*O-MA]

1134 CROATIA Hrvatski R. Zadar, FEB 15 0357 - old-style Slavic folk group vocal; through WBBR sloop. [Connelly*B-MA] FEB 28 0020 - Good; rock/pop music over COPE-Spain. [Conti-NH]

1134 SPAIN COPE synchros, FEB 16 2118 - Spanish talk, fanfare music; over Croatia. [Connelly*O-MA]

1143 SPAIN COPE synchros, FEB 16 2117 - Spanish talk; over others. [Connelly*O-MA]

1152 SPAIN RNE R.5 synchros, FEB 16 2117 - Spanish newstalk; loud. [Connelly*O-MA]

1179 CANARY ISLANDS // SPAIN SER synchros, FEB 16 2116 - fast Spanish talk; over others. [Connelly*O-MA]

1188 HUNGARY VOA/RFE Relay, Marcali, FEB 16 2114 - Slavic talk by man; good. [Connelly*O-MA]

1206 FRANCE France Bleu, Bordeaux, FEB 10 0458 - "I Go to Rio" by Pablo Cruise; to good peak. [Connelly*B-MA] FEB 16 2146 - // many others with "Baker Street" by Gerry Rafferty; local-like. [Connelly*O-MA] MAR 1 2330 - Good; Celine Dion theme from Titanic. [Conti-NH]

1214.9 ALBANIA (t) FEB 16 2222 - carrier without much audio; putting growl on Spain/UK-1215. [Connelly*O-MA]

1215 SPAIN COPE synchros, FEB 16 2222 - Spanish talk; mixed with Virgin-UK, over Albania growl. [Connelly*O-MA]

1215 UNITED KINGDOM Virgin R. synchros, FEB 10 0457 - "What I Am" by Edie Brickell & the New Bohemians (1989), then advertises by man in English; fair-good. [Connelly*B-MA] FEB 16 2222 - club-type dance music; over/under Spain. [Connelly*O-MA]

1251 LIBYA Tripoli, FEB 16 2225 - Arabic a cappella vocal; to good peak. [Connelly*O-MA]

1296.35 unID FEB 16 2227 - bits of talk seemed to be Spanish. Is one of the Spain stations off channel ? Het against jumble of signals on 1296.0. [Connelly*O-MA]

1314 NORWAY NRK, Kvitsoy, FEB 10 0459-0500 - "Sugar Sugar" by the Archies, then woman in Norwegian followed by an electronic sound leading into news read by man; huge, S9+30. [Connelly*B-MA]

1323 GERMANY V. of Russia Relay, Wachenbrunn, FEB 16 2228 - classical music; through CKEC sloop. [Connelly*O-MA]

1332 ITALY RAI R. Uno, Roma, FEB 16 2229 - lounge style Italian male vocal; in and out of sloop. [Connelly*O-MA]

1359 SPAIN Arganda, MAR 5 0358 - Big signal. Soft music, then woman in SS. [Dangerfield-PA]

1377 FRANCE France Bleu, Lille, FEB 11 0340 - // 1206 with female vocal having a Greek or Middle Eastern influence. [Connelly*B-MA] FEB 16 2146 - // many others with "Baker Street" by Gerry Rafferty; local-like. [Connelly*O-MA]

1404 FRANCE France Bleu synchros, FEB 16 2146 - // many others with "Baker Street" by Gerry Rafferty; poor to fair. [Connelly*O-MA]

1422 GERMANY DeutschlandRadio, Heusweiler, FEB 16 2233 - classical music; to fair peak over others. [Connelly*O-MA]

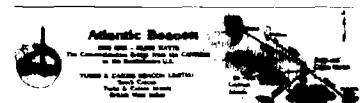
1458 ALBANIA (t) Fllake, FEB 13 0451 - plaintive weepy Balkan-style male vocal; over others. [Connelly*B-MA]

1467 FRANCE TWR, Roumoules, FEB 16 2233 - woman in Arabic; local-like. [Connelly*O-MA]

1476 UAE Dubai, MAR 5 0240 - Chanting, like Koran. Woman in AA on the hour. Was // to one of 2 SW stations on 12005. 13675 should have also been // if this station was Dubai, but it seemed to be off that night. Will keep after this. [Dangerfield-PA]

1484.55 ANGOLA EP do Kuanza-Sul, Sumbe, FEB 16 2234 - muffled Portuguese talk; sometimes splitflite from SER-Spain. [Connelly*O-MA]

1485 SPAIN SER synchros, FEB 16 2235 - fast Span-



- ish talk by man; slight echo, 450 Hz growl from Angola. [Connelly*O-MA]
- 1494 FRANCE France Bleu synchros, FEB 11 0331 - woman in French; poor. [Connelly*B-MA]
- 1512 BELGIUM R. Netherlands, Wolvertem, FEB 16 2236 - English talk by man & woman; slightly over possible Middle Eastern station & WNRB sloop. [Connelly*O-MA]
- 1521 SAUDI ARABIA BSKSA, Duba, FEB 11 0320 - female, a cappella Arabic vocal; local-like, killing WWKB. FEB 13 0448 - pop Arabic vocal with African-style drumming; blowing past WWKB's David J. Smith ranting show. [Connelly*B-MA] FEB 16 2100 - Arabic news; huge, much stronger than 1520. Het noted as early as 2000 UTC. [Connelly*O-MA] FEB 28 2255 - Good; Koranic recitations, man in Arabic with Arabiyah Saudiyah mention, anthem, then off, parallel 9555 and 9870. [Conti-NH]
- 1530 VATICAN CITY R. Vaticana, FEB 13 0443 - prayers in a Slavic-sounding language, excerpts from a speech by the Pope; over WSAI and VOA Sao Tome. [Connelly*B-MA]
- 1548 KUWAIT VOA Relay, Kuwait City, FEB 11 0325 - US English talk; poor to fair, over other station and WPTR-1540 sloop. [Connelly*B-MA] FEB 16 2240 - VOA news by woman mentioned Palestine, PLO, Gaza Strip; to good peak. [Connelly*O-MA]
- 1550 ALGERIA RASD Clandestine, Tindouf, FEB 16 2237 - Arabic vocal; mixed with phased CBE/WDZK. [Connelly*O-MA]
- 1557 FRANCE R. Bleu, Nice, FEB 16 2146 - // many others with "Baker Street" by Gerry Rafferty; fair. [Connelly*O-MA]
- 1566T IRAN Bandar-Abbas, MAR 5 0221 - Station with what I would describe as the music of Central Asia and Iran. Faded quickly. [Dangerfield-PA]
- 1575 KUWAIT (CLANDESTINE) Al Mustaqbal, FEB 11 0328 - Arabic vocal music; over Spain and possible Italy. [Connelly*B-MA] FEB 16 2241 - Arabic vocal and drums; over Spain & Italy. [Connelly*O-MA]
- 1575 SPAIN SER synchros, FEB 11 0327 - fast Spanish talk; in dogfight with 2 other stations. [Connelly*B-MA]
- 1584 SPAIN SER synchros, FEB 11 0329 - bits of Spanish talk; barely getting by Ceuta-1583.65 het and WARV-1590 sloop. [Connelly*B-MA]
- 1584 unID FEB 16 2242 - seemed like Arabic talk; in mix with Spain. If Kuwait, would this and 1575 be on the air at the same time? [Connelly*O-MA]
- 1602 SPAIN Euskadi Irratia, Vitoria, FEB 16 2243 - non-SER Spanish talk, then dance music; over a pile of others. [Connelly*O-MA]

Jim speaks: "My tentative reception of Denmark 243 on FEB 10 has resulted in a verification card."

Ben speaks: "Last week began with some interesting possibilities, which I didn't report then hoping to get something more definite, but in the interim TA reception has gotten back to the so-so stage. A week ago, around the 4th/ 5th of March I had a signal on 1476 between 0200 and 0300 that seemed to be Mid-East music and chanting, and I thought Dubai. Checked the SW parallels per EMWG and found 2 Mid-East type stations on 12005, one of which seemed // to 1476, but the SW outlet on 13675 wasn't heard that night. So I couldn't be sure I was hearing United Arab Emirates. Since then, 13675 SW has been booming in but no signal on 1476. And at the same time last week, I had a station on 1566 playing Central Asian type music, so perhaps Iran. But no sign of them since. That night the upper band signals were above average, including Spain on 1359 and 1575. Next couple of nights Spain was good on several spots including 873 and old reliable 684. Portugal-1035 has been noticeable lately, while 1089 and 1134 have been in most nights. No Norway-1314 recently, and the LW band has again deteriorated. France on 1206 and 1377, but pretty weak. Haven't had a good signal from Hungary-1188 for a week or two."

PAN-AMERICAN DX

- 530 TURKS & CAICOS RVCI, MAR 3 2345 - Good signal with Spanish programming. [Axelrod / McRae-MB]
- 530 COSTA RICA TICAL Cartago, MAR 5 0135 - overrode RVC and Chicago area TIS's with Spanish music and a R.Rumbo ID and a Rumbo mention. I rarely see this reported since RVC and a zillion TIS's came on 530. NEW Country!! [Kazaross-IL] (Nice - Jim)
- 580 MEXICO XEHQ Hermosillo NL, FEB 25 0500 - playing music and top of hour ID. Using new slogan, Radio Key. Plays US pop music. [Redding-AZ]
- 620 CUBA R.Rebelde, Colon MAR 3 0300 - Poor; signature melody heard through WJWR in WZON/WVMT null. [Conti-NH]
- 640 CUBA R. Progreso, Guanabacoa/Las



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- Tunas, MAR 8 0600-0730 - faded up at good level four times during this period with ballads, news, commentary and finally a Radio Progreso ID at 0730. KFI was weak to begin with and was further nulled; KGVW was a distant third. Surprisingly, no sign of RVC on 530. New. [Taylor-WA]
- 660 CUBA R. Progreso, MAR 12 0629-0635 - strong signal with WFAN off the air, extensive news item about Presidente Hugo Chavez and La Republica Bolivarano de Venezuela. Turned out to be "erray pay" (RP) when it ID'd at 0635. Probable Mexican station underneath. WFAN back on around 0830. [Renfrew-NY]
- 780 VENEZUELA, MAR 10 0142 - ID by man plus Latin American music. Poor under WBBM. [Wolfish-ON] (So what was the ID? - Jim)
- 870 CUBA R.Reloj, Sancti Spiritus MAR 3 0500 - RR code ID heard through WHCU. [Conti-NH]
- 880 MEXICO XETC Torrejon COAH, MAR 21145 - playing American modern rock. Had a female voice on automation giving weather at "Once Grados". This was done between every song. 1200 gave ID with male announcer. Announced that it was in stereo so I tried it with a Delco car tuner and it was in excellent stereo. Used slogan Radio Mayran. [Redding-AZ]
- 890 CUBA R. Progresso, MAR 6 0317 - 0341 - Good in WLS null with what almost sounded like a radio play, "Radio Progresso" and "ocho noventa" mentions. Clock tone at bottom of hour with "Havana, Cuba" mention and musical intro "buenos noches, mi amor, buenos noches mi amigo" into music program. [Battaglino-NJ]
- 910 CUBA R.Reloj, Bolondron MAR 3 0335 - RR code ID and minute marker heard through YVRQ Venezuela and WGBI. [Conti-NH]
- 910 VENEZUELA YVRQ Caracas MAR 3 0410 - Fair; "RQ nueve cientos diez... AM Center" ID and salsa music. [Conti-NH]
- 920 MEXICO XEBH Hermosillo SON, MAR 2 0545 - with ID and a female a nnouncer. Announced stereo so I checked on a Delco car radio with stereo and sure enough it was \$ and sounding good. [Redding-AZ]
- 940 MEXICO XEQ Mexico MAR 3 0415 - Fair; man in Spanish with many Cadena Q mentions, "Cadena Q, verde y oro" ID, over R.Reloj-Cuba in CINW null. [Conti-NH]
- 1040 MEXICO XEHEZ Chihuahua, MAR 5 0043 - NEW and most wanted, faded up over very weak WHO with a local ad. [Kazaross-IL]
- 1150 MEXICO XEUAS Culiacan SIN, MAR 14 1200 - with ID and under XESO which was dominant. Announced it was from the Universidad Autonomo de Sinaloa. [Redding-AZ]
- 1150 MEXICO XESO Ciudad Obregon SON, MAR 14 1200 - over XEUAS with national anthem and power up with sign on. Then playing oompah banda music. [Redding-AZ]
- 1180 CUBA Radio Rebelde, MAR 5 0351-0400+ - Probably not a big deal, but it is to me, with 1150 CKOC towers about 1500' outside my window to the NW!! // 5025 khz, which was really poor, and harder to hear than this MW outlet! Does anyone have a location for this transmitter on 1180? [Csorby-ON] (WRTH says Villa Maria - Jim)
- 1360 MEXICO XEPJ Guadalajara SIN, MAR 2 0507 - with light Mexican ballads and had a disinterested sounding female announcer and then an ID. [Redding-AZ]
- 1410 MEXICO XECF Los Mochis SIN, FEB 28 0500 - with 'requeridos y musica de amor'. Lots of old 40s romantic ballads and it was so nice that I forgot DXing and listened to the full two hour program. [Redding-AZ]

Neil speaks: "Unid's on 620 with what sounded like Mexican Beisbol almost equal strength peaks to reduced WTMJ. Also on 590 very loud classical music with Spanish announcer and no ID's heard. Is a R. Musical Cuban on 590? (Yes - Jim) Interesting unID for a while on 610 with Spanish announcer and their own classical music. This sounded like what I heard from R. America in Tegucigalpa a few years ago from Sanibel Island FL. Yesterday, as it was finally a nice weekend day, I finished installing my "Squashed Delta" antenna. This is a modification to delta loop designed by K6SE for the Clipperton Island DXpedition. I have the EZNEC program and what I did was to lower the height of the apex which lowers (theoretically) the backlobe's best null angle to the horizon. This is hopefully to reduce groundwave which is a huge source of QRM on AM. Perhaps some propagation expert can enlighten me as to what angles the incoming waveform are from BCB stations. Anyhow with the null set north towards Milwaukee I was getting 25 db to a bit more nulls across the band. I had calculated 40+ but that isn't easy in practice with my other antennas around and powerlines and my DX truck etc.) However I don't think that I have finished optimization. Theoretically the side nulls are nearly 6 db and I did indeed find that this cardioid clearly favored the south. This antenna doesn't provide as much signal as a big longwire but that is no problem as I could hear in full daylight WLDS 1180 with 1 kw a bit over 200 miles south of me."

Bruce speaks: "Although solar activity remained low to very low head-

CALYPSO 102
TODAY'S BETTER MUSIC MIX

ing into March, transatlantic signals arrived like a lamb, nothing like the lion's roar of signals heard mid-February. Now Latin American signals appear to be rebounding as transatlantic reception returns to "normal" or at least what has been typical for the peak of sunspot cycle 23. Congratulations to Neil Kazaross in the Chicago area for reception of TICAL Costa Rica on 530. A Popular Communications reader in the Appalachian mountains of North Carolina recently logged this too. I'm adding it to my list of prime targets."

Michael speaks: "As a regular contributor to DDXD-East, I usually just look at the IDXD loggings and say, "I have to start concentrating on the overseas possibilities," but of course I never do. Well, that came to screeching halt by accident the other night as I came across the Cuban listing I have noted below. Man am I glad my survival Spanish kicked in so I could pick up some details! It was pretty cool for an International DX novice like myself. By the way, as a rule of thumb would you happen to know if the Cubans typically respond to reception reports? I of course will send one out - got to give it a shot at least. Since this area is new to me I'd appreciate your thoughts if you have a moment." (Yes, Cuban stations do respond with verifications, and I've used the addresses in the *World Radio TV Handbook*. With the equipment you list, you should not have any problem hearing more of these international stations - Jim)

TRANS-PACIFIC DX

153 RUSSIA Radio Rossii, Komsomolsk, MAR 4 1050 - Poor signals with Russian music and talk.. [Axelrod/McRae-MB]

Shawn speaks: "Also hets on 738 and 774, but no audio. Well, the weather was nice and warm and the walk in much better than the last trip. The DX was great too with new ones popping up. TA and TP were still nowhere to be found above 200 kHz. I also logged some new Longwave beacons. Will try for one more trip before spring thaw and the fields get too wet."

INTERNATIONAL NEWS

DOMINICAN REPUBLIC: Information from Pr. Silvestre González Tabar: 1570 10 kW Santo Domingo, 610 5 kW Santiago de los Caballeros, 900 5 kW San Pedro de Macorís, and 1060 San Francisco de Macorís. He did not mention the power for 1060. [Christoph Mayer in Hard-core-DX e-mail]

UNITED KINGDOM: By the way has anyone else noticed a slight echo on Talk Sport 1089? [Steve Whitt-UK] Most prominent with loop beaming N-S I've noticed an echo when the advert breaks are on. TalkSport have been broadcasting separate adverts for London from Brookmans Park, but at night they broadcast the same adverts as other transmitters on 1089. The Brookmans Park output always seems to be ahead of the other transmitters, with a variable delay, sometimes up to a second. Possibly when the commercials are started there are two buttons, one for London and one for the rest of the country, so the delay in the echo depends on the speed of the engineers finger? [Paul ??? on Medium Wave Circle (UK) e-mail list]

AND NOW THIS CORRECTION FROM "NO PRIZE" WINNER RICH D'ANGELO

"Greetings from Wyomissing where it is beginning to look like winter may actually be coming to an end. I enjoyed the "stumpers" that appeared in the International DX Digest column 9 (Volume 68, No. 20. I was having a lot of problems finding the "fake" organization. My first choice was FSDXF because I am not familiar with the Finnish organizations. SPARC was my second choice figuring it was a trick choice since they are no longer in business. But I was surprised to find out it was the WDXC since there is an UK-based club, the World DX Club, using those initials. Let me provide a little background about the WDXC. The WDXC was founded in 1968 by taking over the operations of an amateur club. The club has grown over the years with its emphasis on the broadcast side of the hobby. Membership is spread throughout the English speaking world on all continents including mainland Europe. The monthly bulletin Contact averages about 60 pages a month. It features a SHORTWAVE LOGBOOK edited by Edwin Southwell; SCHEDULES edited by Alan Roe; RADIO WORLD edited by Edwin Southwell; DX NEWS edited by Mike Barracough; MEDIUMWAVE SCAN and a QSL REPORT columns edited by Mark Hattam; and a CLANDESTINE column edited by Mathias Kropf; plus much more. A sample copy of Contact is available for US\$2.00, or 4 IRC's, from me (the club's North American Representative). Dues outside of Europe are US\$24.00 via AIRMAIL and US\$18.00 via SURFACE MAIL. (13 issues) payable to Richard D'Angelo, 2216 Burkey Drive, Wyomissing, PA 10610. Keep up the stumpers ... oh, and the fine work you do with the column, hi! I am constantly amazed by the quantity and quality of the logs submitted by the membership."



EDMUND'S: ETHEREAL OR FALSE?

This is in response to an item in IDXD in #22, but I think it'll be of general interest. There has been some discussion recently on and off the listserv about this subject. I am familiar with the Terman work cited, and have seen reference to the earlier one. I am personally not aware of anything which ties the alleged "Luxembourg Effect" (alleged, since I, also, am not totally convinced of its existence) with respect to distant receptions. I do recall that Gordon Nelson, in one of his early articles concerning BCB loops, speculated that this might be the cause of his receiving what appeared to be backscatter from several nearby and powerful (at his QTH) stations when pulling a severe null on WRKO-680. This observation would be reasonably consistent with what I recall of other published accounts of it on low MW and/or LW. Nelson's article did not consider (although he subsequently raised the possibility in his initial "Spurious Signals" article) that what he had observed might also have been a result of external mixing products. Either or both might be plausible. In any event, I'd consider the idea of linking this phenomenon up with distant receptions to be a major-league stretch! [Edmunds-NJ] (So what do you think Wolfish and I hearing on 216 kHz beneath TWR? - Jim)

EUROPEAN MEDIUM WAVE GUIDE

"I am happy to announce the newly refurbished European Medium Wave Guide, edition MAR 1 2001. The new edition contains the following changes: The file is now 880 kB and counts 80 pages. Lots of updated information. A new font is used (*Verdana*). I added frequency separator which should improve readability as well. All internet links are now clickable, so cut and paste is no longer needed. The publication remains free of charge. The URL is <<http://go.to/emwg>>. Should this not work, then <<http://gallery.uunet.be/hb/Emwg/>>.' [Herman Boel, in ARC, mv-eko, MAR 5]

LEGION OF DX SUPER-HEROES

Shawn Axelrod & Wayne McRae, DX'ing from Valhalla Beach MB; ICOM ICR-70 & DRAKE R8, 6 BEVERAGES 1000 TO 2000 FEET LONG, 2- MFJ 1026 PHASING UNITS. <saxelrod@mb.sympatico.ca> (Batman & Robin, of course!)

Michael P. Battaglino, Chatham NJ; Drake R8B, Quantum QX loop & phaser, 150' backyard fence wire. <Michael_P_Battaglino@newyorklife.com> (The Green Lantern)

Mark Connelly WA1ION, DX'ing from Billerica, East Harwich, South Orleans MA; Drake R8A, broadband loop, active whip, slopers; Superphaser-1 phasing unit. <MarkWA1ION@excite.com> (The Incredible Hulk)

Bruce Conti, Nashua NH; R8B, MWDX-5, 30-m wire, 30-m east sloping wire, noise reduced via 4:1 matching xfmr and buried coax. <BACONI@aol.com> (Spiderman)

Mike Csortbay VE3YMC, York ON; <parrotfarm@on.aibn.com> (Blackhawk)

Benjamin Dangerfield, Wallingford PA <ben-dangerfield@worldnet.att.net> (Mr. Fantastic)

Neil Kazaross, Barrington IL; <neilkaz@interaccess.com> (The Flash)

Kevin Redding, Mesa AZ; Magnavox D8334 boombox barefoot, DX-398 and Radio Shack 15-1833 loop: <camfmtdx@qwest.net> (Thor, and his many hammers)

Jim Renfrew, Byron NY; Drake R8, 1000' E/W and 250' SSW/NNE longwire, Grove antenna tuner. <renfrew@localnet.com> (The Human Torch)

Pete Taylor, Tacoma WA; Sony ICF 2010 + Kiwa air core loop. (Iron Man)

Niel Wolfish, Toronto ON; DXing in Coe Hill, Ontario; ICOM R71-A and 900 foot longwire terminated NE. (Wolverine or Aquaman)

RADIO FANTASY

QUIZ ANSWERS

Peter Parker, Clark Kent (or Kal-El, for you purists), Bruce Wayne, Dick Grayson, Tony Stark, Hank Pym, Ben Grimm, Bruce Banner, Hal Jordan, Barry Allen, not a cartoon hero (Gordon Nelson, famous IDXD editor!), Johnny Storm, Reed Richards, Linda Lee Danvers, Bizarro Clark Kent, Sue Richards, Janos Prohaska. 1-5 correct - you must think telephone booths are for making phone calls; 6-10 correct - hey, be careful with that kryptonite!; 11-14 correct - no fair using your Bat-Computer!; 15-17 correct - SHAZZAM! By the way, I actually knew all of these from memory (except the last one, which I had to look up), so maybe my mother was right ... comic books will melt your brain!



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DX'er's Notebook

Shared tips, topics, and Internet info

In early February a series of reports began to show up on various internet mailing lists of unusual interference on 1140. It was hard for many of the initial reporters to find a description of the sound of the interference. One listener put a file of the interference on an internet site (www.sharkk.com/1140). There was speculation that it was a Cuban jammer, as often heard around 1140, or an off-frequency AM station. Initial reports were almost entirely from the western portion of the US and Canada.

The sound was described as some sort of digital data, an idling RTTY transmitter, or, as IRCA member Charlie Taylor described it, "One can hear the FMing of modulation on the "jammer". It sounds to be an off-frequency AMer whose unlocked frequency is being modulated by its audio, AND which is "strummed" by some other recurring waveform in its transmitter or on its audio. Could be KCMJ off frequency, some other 1140er off frequency on , or someone jumped from 1130 or 1150 (1150 more likely). This is NOT the Cuban WQBA jammer!"

Kevin Redding in Mesa, AZ, felt that it wasn't KSFN-Las Vegas or KCMJ-Palm Springs because the fade times were different at his location and the interference was audible before either of those stations.

Glenn Hauser's *DX Listening Digest* 1-021 (Feb. 16) included the following from Michael Watson (KC6YUW): "Glenn; Thank you for the inquiry you made on my behalf, regarding the 1140 kHz interference. I inquired of the FCC, and just heard back from their Tom Hora. He's received a report from the people at KHTK, in Sacramento, including a recording of the signal. He says the sound is characteristic of an idling RTTY transmitter, presumably malfunctioning. He's notified the enforcement office in this area about finding the transmitter and seeing the problem corrected. That must be a whale of a malfunction, that could make a RTTY transmitter send on 1140 kHz, AND drift in its pulse-rate from about 50 beats per minute to over 250, AND do so in such a way that it would not become obvious to an operator or engineer for well over three weeks, and so have been corrected! I really must confess entertaining some serious doubts. As the signal continues to be heard in the day-time, I doubt it is outside the country. If you run across any reports similar to mine, where foreign jamming does not appear the likely explanation, I'd appreciate learning of them."

Additional reports indicated that the same sound was being heard on 820. Various individual direction finding (DF) attempts were inconclusive. Patrick Griffith in Colorado DF'ed the 820 signal around 1500 EST as opposite his previous 1140 DF (which was 25/205). Kevin Redding in AZ also had the 1140 signal at 25/205. However, DF from the east coast seemed to be north/south.

On February 18, Glenn Hauser forwarded some additional information: "FYI, a couple items from Michael Watson about the 1140 noise: Glenn; thanks for the reports. KHTK is off the air this morning [Feb 18]. I got repeated fixes on the pulsing signal. I put it at 105/285 degrees, true.

Previously, Feb 17: Glenn; I am located in Boyes Hot Springs, Sonoma County, CA. About 40 air miles N. of San Francisco and 60 mi. W. of Sacramento. Have been trying to get RDF fixes for some time. In all cases the null shows the same bearing as KHTK. I tried to extend my baseline about 20 miles out, but on that day the signal was too weak. I doubt the source of the interference is actually on a line with Sacramento, suspect that signal is beating with KHTK carrier, so is most audible when KHTK is, too. If I find KHTK off the air at some time, will try again to get a fix on interference."

Patrick Griffith replied: "That is the same thing I noticed with KSOO. It appeared to be coming from the same direction as KSOO which is the dominant station on 1140 here at night. I suspect it is somehow riding the signal from KSOO to me and I may not be getting an accurate bearing."

Harry Helms then posted the following report: "Alerted by previous messages on this list about the 1140 mystery, I tried for it last night and it was at a very strong level around 10:00 p.m. PST. It sounded like the streaming file at www.sharkk.com/1140. Even with the R8/Quantum Loop combo, it gave KHTK fits with the loop north and was obliterating everything else on the channel when the loop was in a broad E/W direction. I checked again this morning at 7:00 am PST and the signal was still in there, which surprised me as I was assuming it was Cuban. Even wilder, it was still there at a good level at a 10:00 am PST recheck, giving KQAB in Lake Isabella (about 60 miles from here) fits! I started trying to more precisely DF the signal and noted a het on the low side of the frequency, much like a TP or TA trying to break through. I did a little more tun-

Dave Braun dcbraun@delanet.com
863 Allabands Mill Rd.
Camden Wyoming DE 19934-2132

ing and diddling, and discovered a station with the "Cruising Oldies" format on 1136! I've been listening to this station for over two hours and assume it is (per the new NRC log) KSFN in North Las Vegas, as the bearings are correct. I have heard no legal ID in over two hours, only canned "Cruising Oldies 1140" and absolutely no ads except for a couple of network ads. I'm hearing this on the R8, the Sangean CCR radio, and even my beloved ancient Drake SW4A, so this signal isn't a receiver spur or image. In fact, I'm hearing it at a good level on the CCR as I write this. Seems like we have a "runaway" unattended operation on our hands! Per the NRC log, KSFN is 10000/2500 UZ. I'll check later tonight to see if they actually cut power or go directional at night. I'm willing to bet they'll stay 10 kW and nondirectional, and I'll also bet that transmitter must be putting out all sorts of garbage. I don't know if this is the total solution to the 1140 mystery, but it must be what many of us in the west are hearing. Meanwhile, here's your chance to log Nevada on a split frequency!"

Paul Smith reported "I heard the suspect signal last night. The null was roughly 140/320 degrees. From my QTH in West Fla. This could be Cuba, but I don't think so, as I'm only a few hundred miles from Cuba, and the signal was not that strong."

Fred Vobbe forwarded the following to the NRC e-mail reflector: "Eric, Just now (11PM) (Feb 16 - ed) had the chance to follow up on the interference you are hearing on 1140 kHz. Your idea that it might be coming from Las Vegas interested me. During the day at work in South West Las Vegas, I did not hear the problem. Tonight, at home on the East side of Las Vegas (near Sam's Town) I can hear it fairly loud. It is clearly heard over the local 1140 kHz signal. It's not detectable on either channel on either side of the 1140 signal on the digital portable radio I am using at the moment. An old analog Car radio mounted next to my chair in the living room, that I use as my comparison radio is about the same. 1140 in Las Vegas is KSFN "Cruisin" oldies owned by Infinity. I'll try to get in touch with their Chief E, Tracy Teagarden, in the Morning. It sure sounds like the problem may be in their actual signal. Bill Croghan, Chief Engineer, KOMP/KXPT/KENO/KBAD, Lotus Broadcasting, Las Vegas, NV."

And shortly thereafter two additional messages, the first again from Mr. Croghan: "Bob, Got called out on a tower light problem tonight, and as I drove across Las Vegas from East central to North central, the strength between the 1140 local and the interfering signals varied independently. From what I heard, I feel confident that the station is not transmitting the interference, but rather it is coming in from elsewhere. Due to the strength of the local, I am unable to DF the interference." And then from Tony Abbott: "I am receiving your mystery signal 35 miles East of LA at 2319 hours using a Sony 2010 with built in loop antenna. Signal strength appears to peak at 280 degrees. The signal appears to be independent of two quite weak bc stations. Reception of signal can be enhanced by switching to LSB mode, with the radio tuned exactly to 1140 kHz. I am unable to copy on USB. The sound is somewhat reminiscent of those associated with two phase locked signals beating together."

Harry Helms reported, on the evening of the 18th, "I'm currently (9:57 p.m. PST) hearing KSFN there with their Cruising Oldies format, clearly separable from KHTK. Nice ugly het against 1140 with the "blipping" mystery sound as the sigs beat together." Patrick Griffith replied "I tried 1136 several times last night (Feb 18 - ed) - early, mid, and late evening. I never heard a peep. At just over 600 miles from Vegas I expected to hear something using the Drake R-8 and the Kiwa loop. The noise on 1140 seems to be on frequency or pretty close to it to me. I hear it from about 1138 to 1141 under KSOO at night. Also I just tried during the day again. At 1330 EST nothing on 1136, the noise on 1140 is very weak looping NE/SW as usual, the noise on 820 is very strong looping NW/SE as usual. It's got me stumped!!! And the next afternoon Harry Helms reported "I'm listening to KSFN right now on 1136+ clearly distinct from 1140; it seems as if the mystery signal is in between KSFN and 1140! I've made a recording of this, including tuning between 1135 to 1145, that I will convert to Windows Media and make available to anyone interested by e-mail. In the meantime, anyone who would like to hear this "live" via telephone can send me their number by e-mail. Something DAMN STRANGE is going on with KSFN!" And later the same day, again from Harry Helms, "There is no way the 1136 signal is a spur; it's far too strong. Most, if not all, of KSFN's transmitter energy is going out on 1136. There is no trace of KSFN above 1140. In case anyone's interested, I made a tape today at noon PST where I tuned from 1140 to 1130. You get to hear the ID for KQAB, then a het and "pulsing," KSFN on 1136, and then an ID for KRDU on 1130. KSFN is the loudest signal of the three. I'd be pleased to dupe a copy of the tape for anyone who'd like to listen. Given how broad the selectivity is one most consumer radios, I'm not surprised no one's noticed in Las Vegas. And, if the total absence of local spots on KSFN is an indicator, I'd be surprised if anyone in Vegas actually listens to them on **any** frequency!"

By the evening of the 19th, several additional reports were made of the interference, including Paul Swearingen (Topeka, KS), Bob Carter (NC), Bruce Winkelman (Tulsa, OK), and Randy Stewart (Springfield, MO). Walt Breville reported "I have been noting that noise on or near 1140 for a week, as well as

WRVA
AM 1140 RADIO

WHEN YOU NEED TO KNOW IT
KSOO
 1 1 4 0 A M

the similar noise on 820, here in the middle of Florida. Twisting my Grundig 700 portable outside away from the neighbors TV, the null comes at a bearing of about 345-350/165-170. Paul over in the Tampa Bay area reported a null bearing of 320/140, while Ron up in Jacksonville reported a straight north-south nulling. These all intersect about the Miami area. Could it be that Miami's WQBA is the source of the 1140 noise here in the East as an independent coincidence to Las Vegas or Sacramento, or from Cuba due south of Miami? Also I noted the 1140 racket starting near my local sunset (6:22 p.m.), a good two hours before Las Vegas NV sunset, 3 hours before Sacramento if that's the Western source. The noise is not there in the daytime, either on 820 or 1140. Also the 820 nulls just a bit (maybe 10 degrees) west of north at night." Patrick Griffith reported "Different conditions tonight on 1140. On an east/west heading I'm hearing KSFN Las Vegas still sounding like they are off frequency with oldies and "Cruisin" ID. They seem to be best on 1138. I don't hear them at all on 1136. And on the north/south heading is the Canadian in Alberta with a big signal and C&W music. No sign of KSOO at all. Last night I had KSOO and no sign of the Canadian or KSFN." Bruce Winkelman reported that he was able to zero-beat the pulsing signal on 1137.65 around 7:05pm Central time.

On February 20, Harry Helms sent in this report: "I just got off the phone with Tracy Teagarden, CE for all the Infinity stations in Las Vegas. Besides KSFN-1140, those include KLUC, KMXB, KMZQ, KXNT, and KXTE. He says the signal on 1136-37 kHz isn't them but a pirate or other unauthorized relay of their signal! He says he is able to hear it in the nulls of their nighttime directional array and that it appears to be somewhere west-southwest of the Las Vegas metro area. While he was on the phone, I let him listen to the signal live via my R8/Quantum Loop combo and also played the tape I made yesterday. We agreed that this isn't your run-of-the-mill pirate; the signal is just too strong. We must be talking kilowatts here and a good ground system to propagate such a strong groundwave signal across the dry, rocky desert between me and Las Vegas. Now this is where it gets a little weird. I asked Tracy if—based on the strength of this signal and the fact this pirate didn't appear too worried about attracting attention—this "pirate" might actually be some sort of military test or experiment from the facilities scattered throughout the Mojave. He replied that "sometimes in the past they've relayed some local stations over at S4." ("S4" is the top-secret Papoose Lake facility located to the south of the famous Area 51.) However, Tracy said that when they've complained about prior relays to the FCC, they've been told "not to worry about it" if the relay was part of a government project or experiment. He said the FCC didn't say that this time and is treating this as a civilian "pirating" case. Tracy further said the signal left the air around midnight PST last night and also transmits FSK signals and triangle waves! To me, those latter two items seem to indicate this must be some sort of government test instead of a pirate—maybe the FCC hasn't been alerted by The Secret Government??? There are all sorts of candidates for the location; between me and Las Vegas are the Nevada Test Site, Fort Irwin, my semi-local China Lake Naval Weapons Center, etc. All would agree with my loop bearings. S4, Area 51, etc., are too far north if my bearings are reliable. A military test would also explain such oddities as Pat Griffith's reception of CHRB on 1141 last night. Tracy really sounded stressed over this. He said he's busy enough with his normal job responsibilities without this headache. We have a strange one here, folks! Damn, I feel like I've been possessed by the spirit of C. M. Stanbury!"

That evening, Michael Shaw in Palm Harbor, FL, also reported hearing the noise on 1136.

On to February 21, and Harry Helms made this report: "The mystery signal, including the off-frequency KSFN-1140 relay, is gone here. I listened to it until a little after 11:30 p.m. last night. It was not there when I checked this morning and hasn't returned throughout the day. All I hear on 1140 now is KQAB with KSFN underneath. I spoke to Tracy Teagarden, CE for KSFN and the rest of the Infinity stations in Las Vegas, a few minutes ago and he was surprised to learn the station had vanished (he says they could only hear it at night in the nulls of their pattern). Tracy sounded relieved to know the relay has stopped! He said there was a loss of power to the Infinity transmitters in Las Vegas shortly after midnight last night for about five seconds before they returned to the air. Did this have anything to do with the disappearance of the mystery signal? Your guess is as good as mine! Tracy gave me a bit of a personal DX test in our call. He switched to night power/pattern while I patched the R8's audio into the phone, and he was impressed to still hear his signal under KQAB because I am in his night null. I told him that kind of reception is par for the course when your receiver is a Drake! Tracy said he has heard nothing from the FCC since they made their complaint about the relay. He remarked that the FCC didn't seem too concerned about the relay. We both agreed this was a good indication that Uncle Sam's boys were behind it. I tried to reach John Winston at the FCC's Enforcement Bureau in Washington and Charles Craig, head of the Bureau's western office in Pleasanton, CA, today by phone to ask about the signal but neither have returned my calls. For some reason, I don't expect they ever will. BTW, that wasn't me on Art Bell last night talking about the HAARP signal. I've discovered that



trying to get through to Art on the phone is like trying to get through to the Pope on the phone! Fred, I'll dupe my tape and sent it to you for DXAS. It looks like our big mystery has bit the dust, at least in the west. Anybody still hearing something in the east?"

Walt Breville was still hearing "that funny motorboating noise" on 1140 and 820, and suspected more strongly that it was coming from either WQBA or Cuba. There were no further reports on the noise from the western part of the country.

Jay White, Director of Engineering for Morris Communications Corporation (owner of KNWQ-Palm Springs on 1140), sent the following message: "Harry, Lee Freshwater has forwarded your e-mails with regard to the interfering signal on 1140khz in the southern California area. I had contacted Lee after I found him on the internet and took a shot that he may know about the signal. I am Director of Engineering for Morris Communication Corporation, who owns 7 stations in Palm Springs, including KNWQ on 1140khz. We have been troubled by this renegade signal for about a month now. Interestingly, this signal is RIGHT on top of us during the times it is on the air. We have had numerous complaints from listeners who cannot receive us through the interference."

"I have tried to track the signal during the day, but it seems to not be on the air during the daylight hours, and I attempted to track it on Monday night, but the Las Vegas transmission was mixed in with it so I could not get a clean direction. I am curious to know about your location and the bearing you measured for the signal."

"Incidentally, all the 1140's in the area, Sacramento, Las Vegas, Palm Springs, and Lake Isabella have been affected by the signal. We tried to orchestrate some downtime on Tuesday night after midnight, but the signal was gone, where I had heard it cleanly not 30 minutes before! This transmitter historically has been turned on about 4:30pm, but we have been unable to determine when it is turned off. I am curious to know what it is. I find it interesting that both times the FCC has been notified, the signal disappears."

"I would appreciate any further information you are able to provide."

Several reports were made in the next few days of what is most likely the Cuban jammer in the vicinity of 1142, all of them from the east coast, but still nothing further from the west coast.

On March 2, Harry Helms posted the following summary of his activities throughout this period.

"Alerted by messages on the National Radio Club DX Alert mail sever (am@nrcdxas.org), I first tried on February 17 to hear the mystery signal on 1140 kHz that was being reported in the western U.S. I found it around 10:00 p.m. Pacific time that evening. It sounded very much like the recording of the signal found at www.shark.com/1140. It was very strong at my location about 90 miles NE of Los Angeles, obliterating everything but KHTK, Sacramento. The signal was a high-pitched tone with "pulses" that seemed to be at a rate of 90 per second.

The next morning, February 18, I listened again at 7:00 am PST and the signal was still being heard loudly. This surprised me, as speculation was that this was a high-powered Cuban jammer of sort. I checked again at 10:00 am PST, and heard it just as well as I did the previous evening! It was equal in level to KQAB in Lake Isabella, CA, about 60 miles due west of my location.

"Using my Drake R8 and Quantum Loop, I attempted to get a bearing on the signal. As I tuned, I noted a loud het on the low side of the frequency, much like a TA or TP signal trying to break through. After a little more fiddling and tuning, I was able to isolate a signal on 1136, louder than the signal of KQAB on 1140 or of KRDU, Dinuba, CA, on 1130. I was able to identify the 1136 signal as KSFN, Las Vegas, which normally transmits on 1140 kHz! Bearing was to the SE of here, which would agree with a Las Vegas location."

"On February 19, I made a recording of the "KSFN" signal sandwiched between KQAB and KRDU: a copy of this recording has been sent to Fred Vobbe for the NRC's DX Audio Service. I also posted a message about my receptions to am@nrcdxas.org in which I stated that KSFN was off-frequency."

Someone forwarded my message to KSFN, because I received an e-mail from Tracy Teagarden, the CE for KSFN and other Infinity stations in Las Vegas (including KLUC, KMXB, KMZQ, KXNT, and KXTE). He emphatically denied KSFN was off-frequency and said their signal was being relayed without their permission by a "pirate." After receiving Tracy's e-mail, I phoned him and we discussed the situation. I patched my R8's audio into the phone and let Tracy listen to the signal live. I was openly skeptical that it could be a pirate, because the signal was just too strong; I let him see how much louder the 1136 signal was than either station on 1130 and 1140. Tracy and I agreed this "pirate" had to be running a few kilowatts into a very good antenna/ground system!

"Tracy said the signal was audible in the Las Vegas metro area only when KSFN went to night power and pattern (KSFN is 10000/2500 U2) and then just in the nulls of their pattern. Tracy said that he wasn't aware that KSFN was being relayed, but he had heard FSK and triangular audio waves on the signal. Most evenings the signal left the air at midnight PST, but sometimes it stayed on all night."



At this point, I took a flyer and asked Tracy if—based on the strength of this signal and the fact this station didn't appear worried about attracting attention to itself—this "pirate" might actually be some sort of military test or experiment from one of the facilities scattered throughout the Mojave Desert. Tracy's reply floored me; he said "sometimes in the past they've relayed some local stations over at S4." ("S4" is the top-secret Papoose Lake facility located between the AEC's Nevada Test Site and the famous Area 51.) Tracy said that when stations have complained about such relays to the FCC, they were told "not to worry about it." But Tracy said the FCC told him they were treating this as a civilian "pirating" case.

"I heard the signal all day on February 20, and listened until around 11:30 p.m. PST that night. I had loaded fresh batteries into my C. Crane CCR receiver, packed my maps and GPS receiver, filled my car's gas tank, and set my alarm to 5:00 am the next morning. I was planning to drive east into the Mojave and spend February 21 trying to track down the source of the signal."

"But when I awoke on February 21, the signal was gone. I called Tracy Teagarden again that morning, and he expressed surprise and considerable relief to learn the signal was gone. He then said that he and other CEOs of stations on 1140—including KHTK, KQAB, and KNWQ—had agreed to power down at midnight for a few seconds so accurate DFing of the signal could be made. But when they did so, the signal was gone! Apparently the signal had left the air sometime in the half-hour between my last reception and midnight PST."

"Tracy said the FCC had not contacted him about the "bust" of a pirate or offered any other explanation for the absence of the signal. Intrigued, I phoned John Winston, the media liaison for the FCC's Enforcement Bureau, in Washington. I didn't reach Winston, but I did leave a phone message describing the case and asked whether a pirate had been shut down in Las Vegas."

Figuring that someone closer to the action might be able to give me a faster answer, on February 22 I called Charles Craig, director of the western division of the FCC's Enforcement Bureau, at his office in Pleasanton, CA. He said he was not aware of the 1136/1140 mystery signal, nor was he aware of any recent bust of a pirate in Nevada or southern California.

I next called Jim Zolich at the FCC's office in Cerritos, CA. Zolich is the Enforcement Bureau officer in charge for southern California and Nevada. He was simultaneously enlightening and baffling. He was aware of the 1140 signal but had no idea of what it was. He was also aware of the efforts that were made on February 20 by the CEOs of the stations suffering QRM to locate the signal, but said the FCC had made no special efforts to locate it. And he said there had been no bust of a pirate station on the mystery signal's frequency in southern California or Nevada.

"I was more than a little nonplussed after my conversation with Zolich. He admitted to being aware of a signal that was being heard throughout the west and which was serious enough to motivate a group of CEOs of stations on 1140 to undertake a joint action to locate it. But Zolich seemed almost disinterested by the signal. His reaction was all wrong if the signal was truly some sort of unlicensed "pirate."

"Later on February 22, I received an e-mail from Jay White, CE of KNWQ in Palm Springs, also on 1140. Jay said KNWQ had been suffering interference from the mystery signal for the previous month and had received numerous complaints from listeners unable to hear KNWQ because of it. However, the signal was heard only at night in the Palm Springs area. He said he had tried to track the signal down the previous Monday, but couldn't get a clean bearing because of the KSFN signal that was mixed in. He confirmed the efforts that were to be made by the affected stations to "power down" and attempt to get a bearing. He also made this comment about the signal: "I find it interesting that both times the FCC has been notified, the signal disappears."

"I was away from home all day on February 26 and didn't return until late that evening. When I did, the following message was waiting on my answering machine: "Mr. Helms, this is the Federal Communications Commission in Washington. I am returning your call inquiring about a pirate radio station operation in the Las Vegas area. That station has been shut down. Because our investigation is still continuing, we cannot release any more information about the case. Should you have any further questions, you may contact Mr. John Winston at 202-418-7450." (Winston was the Enforcement Bureau media liaison that I originally called on February 21.)

"So what do I think of that message? I think it's a load of disingenuous crap. Note, for example, the caller didn't leave his name—most unusual for a call from a federal agency, and it sounds like the caller didn't want his name linked to the statement. Moreover, the statement explicitly contradicts the comments made by Jim Zolich. Since Zolich is in charge of Enforcement Bureau operations for Nevada, he would have known when we spoke whether a pirate bust had gone down in Las Vegas the

night before. Either the caller who left the message or Zolich lied to me. Judging the truthfulness of someone you've never met on the basis of a phone call is not an exact science, but Zolich struck me as far more credible than my mysterious message-leaver. Zolich wasn't expecting my call; his remarks, while a bit confusing and illogical, were unrehearsed. The message left for me sounded scripted, and the caller didn't leave his name. I believe Zolich was giving me the straighter scoop than my mystery caller.

"Those of us who have dealt with the FCC for a few years know those people will lie when the query involves a "sensitive" topic, such as the locations of various "numbers" stations transmitters. Even after Warrenton, VA, and Homestead Air Force Base, FL, had conclusively been identified as sites for "numbers" transmissions, the FCC continued to deny any knowledge of such stations and their locations.

"Adding everything together, I feel it is most likely that the mystery signal heard in the west around 1140 kHz was the result of some government/military test from a location in Nevada or southern California. The Mojave is home to several enormous facilities where a high-powered transmitter and antenna system could safely be hidden—the AEC's Nevada Test Site. Fort Irwin, and my semi-local China Lake Naval Weapons Station are all bigger than Rhode Island—and much of their area is hidden behind mountains.

"Given the strength and bearings of the signal I heard, I feel a location in the eastern half of the China Lake Naval Weapons Station or Fort Irwin is most likely, with the Goldstone Communications Facility (wedged between China Lake and Fort Irwin) another possibility even though it is less secure.

Why 1140? Since Cuba has been running a jammer on 1140 for decades, any interference could be blamed on Castro. Apparently the FCC let whoever was transmitting the mystery signal know about the plans by the CEOs to locate it, since the signal was taken off the air just before it could be located.

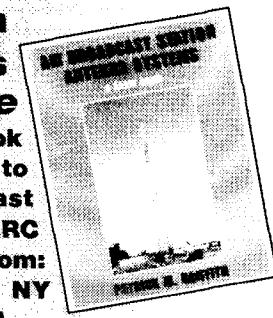
Will it return? Only time will tell."

Like many other "radio mysteries", we may never know the full story behind this signal. Some additional reports of the sound are on the NRC's web page (www.nrcdxas.org/mystery/), as well as Harry's summary message. Additional ideas, reports, information, etc. is welcome.



AM Broadcast Station Antenna Systems A Basic Guide

Written by NRC'er Patrick Griffith, this book makes it easy for the non-technical DX'er to understand everything about AM broadcast antennas. Over 35 photos. \$13.95 to NRC members (\$17.95, non-members). Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax).



The NRC AM Radio Log, 21st Edition, including cross-referenced listings from 530-1700 khz., is compiled from both listeners' reports and official sources, making it the most accurate listing of U. S. and Canadian AM stations available. Unbound, three-hole punched for standard binders. Still only \$16.95 to U. S. and Canadian members; \$22.95 to U. S. and Canadian non-NRC members. Airmail to members: Latin America, \$24.00; Europe, \$25.00; rest of the world: \$28.00. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax).



Target DX

R. J. Edmunds

753 Valley Rd. wb2bjh@nrcdxas.org
Blue Bell, PA 19422-2052

DX'ing 'smart', with shared tips and requests by NRC members

Here we are once again with another edition of Target DX! This column will be another mix of items, some taken from questions and answers appearing recently on the listserv, and others following up on items in prior columns.

Q - In a recent discussion on the list you made reference to your personal target lists. How does one go about creating one?

A - The whole concept of target lists or target stations has been a source of misunderstanding for many years. For instance, most of us have a few stations which, for one reason or another, we really want to log. Sometimes, however, there is a 'reality gap' between our wanting to log a station and the actual realistic likelihood that we will. What makes things more interesting, though, is that sometimes even when there appears to be a good probability of hearing a particular station, you can try for years and never hear it - in fact, I could instantly provide a list of at least a dozen, probably half of which have been heard by other DX'ers within 50 miles of my location during the same years where I tried for them and failed.

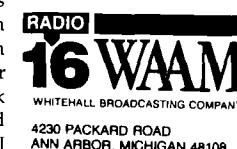
Many of us start our target lists in the form of something like a 'closest unheard' list. Usually, several of the stations on such a list are on local channels (graveyard frequencies - 1230, 1240, 1340, 1400, 1450 & 1490 kHz.) where you have a fairly close local which blocks most other stations. In my case, it's 1340, where I have 2 or 3 of my ten closest unheards from my current location. Barring a sudden silent period by my local pest, these situations will call for more sophisticated equipment and techniques such as antenna phasing, but that's not a subject for this column.

Target lists are also often populated by stations which have recently (or perhaps even not-so-recently) increased power, or changed antenna pattern or changed frequency or even changed hours of operation in such a way as to perhaps make them more likely of being heard at our location than they had been prior to the change. In a similar way, there may be some stations on the list because some other station on the same or even an adjacent frequency has gone silent, moved or altered its operations in some way. Sometimes these stations are only targets for a limited period of time before circumstances return to 'normal', while other times they are more or less permanent. In still other cases, changes in a station's power or antenna patterns may also provide an opportunity for DX'ers to hear them during overnight equipment testing of daytime facilities.

To me, a key element of targets list has to be that there is at least a reasonable probability that the station can indeed be heard from one's location, with the equipment that one has available. If I discover a new station on the air in an adjacent state, but on the same frequency as a local 24-hour pest which has no silent period, I'm not going to add it to my list unless I am quite certain that I might be able to null the local to permit a signal from the new station's direction to be heard. In the same way, I will be quite unlikely to add a station to my targets list if it's over 500-600 miles away unless it's on a nearly clear channel here, without significant adjacent interference. This is a more difficult test for those newer to the hobby, because your perception of what's probable or likely is something which comes out of time spent at the dials, but do your best, and, since it's likely that you'll have a large number of possible prospects, be conservative at first.

Another factor that weighs into the concept of probability can be that what is probable in one month or one time of year may not be at some other time. We need to remember that not only to the sunrise and sunset times change on a monthly basis, but that the boundaries of each 15-minute period vary as well. Further, we need to be aware that some stations (on AM, usually smaller stations associated with schools or stations located in resort areas) may operate on different schedules at different times of the year.

Finally, if you go on for a few seasons trying for a station on your list, maybe it really wasn't probable after all! One cause which we can't know about most of the time is local horizon blockage at the transmitter, or, sometimes even near enough to our own location to impede reception. In other cases, at least with sunrise, sunset or nighttime DX, it may simply be that the skip angle or distance just doesn't work for that path, even though we might think that it would. I could point to several cases where I've finally removed such stations from my target list entirely, because I've concluded that I



won't hear them unless they do a test with day power and I happen to be up late to hear it. That's all part of what makes the hobby interesting!

Q - From which direction do loop antennas receive, along the axis of the loop or perpendicular to the axis? I've heard them described as receiving in a "broadside" direction but I'm unclear on what that actually means in real terms. How about ferrite loops? Same orientation as well?

A - Theory states that loops receive in the direction perpendicular to the plane of the windings. This is where the wave hits the coil at two different times. Arriving signals in the plane of the windings hits both sides of the windings at the same time, thus cancelling each other out. This is the null. In practice, however, things can get a bit confusing.

First remember that the conductor in the loop is what matters, even though with a box-type air core loop, we tend to think of the idea of broadside as respects the physical frame rather than as respects the conductor.

A ferrite core loop peaks at broadside of the ferrite core. A portable radio with a internal ferrite bar antenna behaves similarly. A spiral-wound air core loop, where the wire is wound in a spiral creating a flat surface, peaks broadside because the windings and frame are uniformly in the same plane. A box-type air-core loop nulls when the loop frame is broadside to the station. But, before you start to think that this is inconsistent, recall that the wire on a box air core loop is arrayed in such a way that the windings are around the outside of the frame, and thus are wound in a perpendicular manner with respect to the frame. Consider that this is really the broadside of the winding and the apparent inconsistency disappears.

DX Website List Updates-

AM/FM Station list for Panama

(in Spanish) : <http://www.enteregulador.gob.pa/RadioTV/SeccionActiva/farpr/default.asp>

Barry McLarnon's UnID Lookup Page (correction) : <http://hydra.carleton.ca/ambc/aminfo.html> (note no 'www' - RJE)

Editor's thanks to Barry McLarnon and Phil Bytheway for their contributions to this column. More next time! Stay tuned! And remember to send any DX questions you may have to me either via regular mail or email at the addresses above.

Are you expiring?

We hope not! To avoid expiration, mail your remittance to the DX News Membership Center early. Allow at least three weeks after mailing your check or money order for new renewal data to appear on your mailing label.

A DX'er's Technical Guide

Now in its 3rd edition (published early 1998), this 155-page book answers questions on receiver and antenna theory (how to improve their performance), how audio filters and loop antennas can improve DX (and hints on their construction), how to build a Beverage and phasing unit, and much more. Only \$10.00 for IRCA/NRC members, \$12.00 for non-members (overseas airmail add \$2.50). Order your copy today, in US funds payable to Phil Bytheway, from IRCA Bookstore - 9705 Mary Ave. NW - Seattle, WA 98117-2334

IRCA Mexican Log, 6th Edition, 2000

The IRCA MEXICAN LOG log lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. In addition, stations that have changed frequency since 1996 are cross-referenced on the old frequency. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. The log has been completely updated from the 1998 edition and carefully cross-checked by IRCA members. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8 1/2" x 11" and three-hole punched for easy binding.

Prices: IRCA/NRC members - \$8.00 (US/Canada/Mexico/sea mail), \$9.00 (rest of the Americas airmail), \$9.50 (Europe/Asia airmail), \$10.00 (Australia/New Zealand airmail). Non-members: add \$2.00 to the above prices. Order your copy today, in US funds payable to Phil Bytheway, from IRCA Bookstore - 9705 Mary Ave. NW - Seattle, WA 98117-2334



My "much-beloved" AUDIO SWITCHING NETWORK

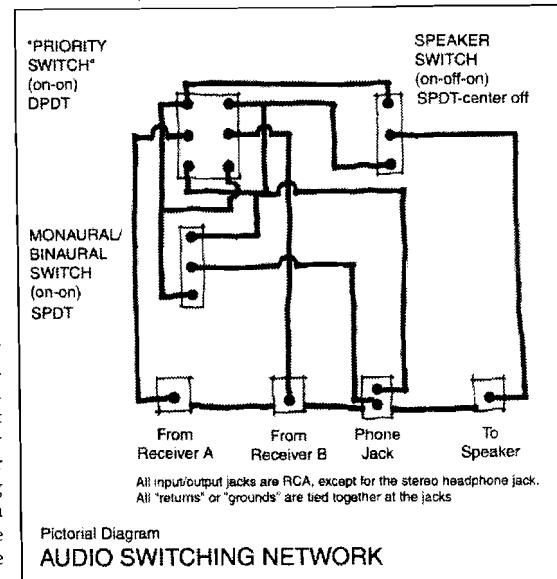
by John Bryant

In a recent e-mail to my Northwest DXing buddies, I mentioned that I was building a new rack box to go under my new receiver and that I was putting in not one but TWO complete sets of "my much-beloved" audio switching network. Guy Atkins immediately shot back a query asking just which circuit I had in mind. I realized that, tho' I believe that I wrote a small article about this for DX Ontario, I've really not shared my marvelous "find" as I should have done. It is classified as a "find" because Don Phillips published the original circuit in DSWCI Shortwave News in 1998. My circuit is a slight modification of Don's design. What this simple circuit does is to take two audio inputs and put either signal in both sides of a pair of stereo headphones, or it puts one of them in each phone simultaneously. The device will also, simultaneously but separately, put either signal out to an outboard speaker. That is it! Sounds simple, but it is a wonderfully useful device.

I first built my original version of this circuit to give me the best chance of comparing the DXing or listening performance of two receivers. Wearing stereo headphones hooked to this network, you can switch instantly back and forth between two different radios, with the flip of the **Priority Switch**. Or, if you throw the **Mono/Binaural Switch** to Binaural, you have one receiver in each ear. In the Binaural Mode, throwing the Priority switch swaps the inputs to opposite sides of the head. I'm not sure what this latter capability could be used for, but it is kind of neat. Generally, I drive the network from the External Speaker port of each receiver. I have never found any way to do a listening comparison between two receivers that is so effective as this. If running receiver comparisons were the only use for the circuit, it would still be worth having.

It didn't take me long, of course, to find a second major use for the circuit: "checking parallels." In both SWBC DXing and International MW DXing, it is often possible to at least tentatively identify a station by simultaneously receiving a stronger signal from the same network being broadcast on another *known* station or frequency. (The two stations are "broadcasting in parallel.") The usual technique for "checking parallels" is either by using two of the memory channels in the receiver and switching back and forth quickly or by using two radios and manipulating the volume controls appropriately. Either technique works well when both signals are relatively strong, but when the target signal is really "down in the mud" there is NOTHING like using this network to put one signal in each ear, simultaneously. There were several times when, with the old techniques, I would have sworn that two Indonesian stations were broadcasting national news from Jakarta in parallel only to find out, in "stereo" in the Binaural mode, that I was hearing the same female announcer but actually hearing her work in two different programs!!! Also, only when I began to use this network did I discover that All India Radio feeds the national network news programs to some of its regional outlets via satellite and some by land lines. Compared to the direct broadcast from New Delhi, about two-thirds of the regional broadcasts are delayed by a second or so. The delay itself is not very important, but not discovering it over several years of using the "old techniques" of parallel checking indicates how poor they really are.

I discovered a third use for "my beloved" the first time that I took a miniaturized version of it on one of the Grayland DXpeditions. Since I normally only bring one receiver on DXpeditions, I soon discovered that I could use this network and a long audio cord to "listen over the shoulder" of one of my compatriots. I just plug the network into my receiver (Receiver A) and my compatriots' radio

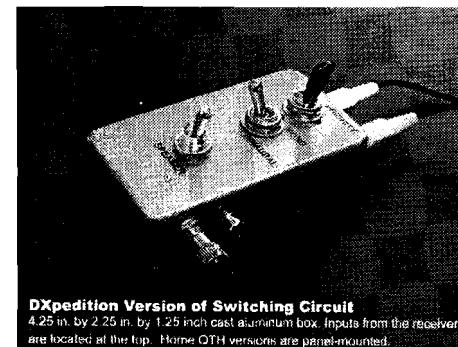


becomes Receiver B. I can hook to some radios directly to my compatriots' Speaker Out port. Others require us to use a "Y" connection at the headphone jack. Hooked up that way, when Dave Clark shouts "Holy ****, CHECK 972!!!" at 3 AM, I can be listening to his radio with one or both ears instantly while everyone else has to decide whether to abandon what they have been listening to themselves. On DXpeditions, this network is also useful to compare each other's receivers while in pedal-to-the-metal DXing situations.

A fourth use for this circuit is the one that has me buying more switches this week. Many of us have begun to use MiniDisc recorders rather than cassette tapes. Invariably, these wonderful recorders are stereo machines. DXing using two receivers, each feeding one channel of the stereo deck, sounds just wonderful, frankly. This is an especially attractive idea since the Fast Forward mode of MiniDisc technology uses a sampling rate that keeps the audio relatively understandable while speeding through the track, so you can whiz through the track later and not miss the ID. It's probably taken you much less time than it took me to realize that this networking circuit is perfect as an interface between the deck and a set of stereo phones, allowing you to listen to either channel A or Channel B or both, at the flick of a switch.

In Use With Long-Playing MiniDisc Technology

Sony has recently introduced decks that will record at standard 74/147 min. stereo/mono length, and at two new stereo-only LP lengths of 160 and 320 minutes. The two new lengths are known as LP2 and LP4. I used one of these decks, the MDS-12, to test the whole operation. The largest concern, of course, was obtaining pristine channel separation. Notes on the MiniDisc Community web page indicate that a different algorithm is used to record at each of the three speeds. The LP4 encoding strategy takes advantage of the fact that, in music, about 90 percent of the same information exists on each channel. That is the only way, apparently, to achieve the radical compression necessary to jam 5 hours of quality stereo onto a MiniDisc. I was concerned that this approach would preclude the recording of totally separate tracks in LP4 mode. I was right. At fairly low levels of different audio on each channel, there did seem to be full separation. However, when I did the ultimate test - Buddy Holly's "Rave On" at full blast on Channel A and WWV on Channel B - there was some crossover bleeding both ways. When listening to just one of the channels, it sounded like low-level sideband splatter on AM was also coming in from the other track. The problem was not very pronounced and, if put in a desperate situation, I might try to use the 5 hours of LP4 with two receivers, but feeding the channels with only mid-level audio.



pens and to review it later also works like a charm.

"Switch Box B&W Photo" goes here

Final Remarks

Don Phillips original DSWCI article stressed using high-quality, new switches since most users of this circuit quickly become addicted to switch flipping. I agree whole-heartedly. The best quality full-sized switches in a sturdy mount should still hold the parts costs at around \$20.00 and will last you for many years.

The Sony MDS-12 is a professional deck - <http://www.minidisco.com/minispecs/sonymds12.html>

The MiniDisc Community FAC on MDLP - <http://www.minidisc.org/mdlpfaq.html#q7>

I'd like to thank Don Nelson and Guy Atkins for their usual excellent behind the scenes advice that refined this article considerably.

Domestic DX Achievements

Paul Swearingen plsBCBDXER@AOL.com
2840 SE Illinois Avenue
Topeka, KS 66605-1427

Domestic DX totals listed periodically in different categories

Name and location	Yr	Last Upd	TDT	ST	PT	DCT	TDV	SV	PV	DCV	TDH	SH	PH	DCH
Kramer, Robert-Chicago, IL	70	11/96	2733	49	10	✓	2010	49	10	✓	3803	50	10	✓
Geary, Kermite PA	26	2/92	2487	48	9	✓	5161	50	10	✓	5575	50	10	✓
Malicky, John-Pittsburgh, PA	70	11/87	1184	40	6	✓	902	38	7	✓	1461	40	7	✓
Forth, Karl-vic Chicago, IL	70	11/78	1077	48	10	✓	1088	48	10	✓	1771	48	10	✓
Starr, Jerry-Youngstown, OH	54	1/86	1055	50	10	✓	1610	50	10	✓	2159	50	10	✓
Edmunds, R. J.-n NJ/e PA	62	9/99	806	41	8	✓	263	42	6	✓	2001	47	9	✓
Swearingen, Paul-e KS	75	3/01	692	44	7	✓	2	2	0	✓	692	44	7	✓
Pimper, Dennis-NE, UT	68	12/84	651	40	5	✓	425	45	6	✓	2447	47	7	✓
Hayes, Harry J.-ne PA	70	7/98	641	39	9	✓	185	30	3	✓	1354	41	9	✓
Wolfish, Niel-Toronto, ONT	78	2/93	402	39	6	✓	493	43	10	✓	1285	43	10	✓
Fela, Joseph-cent. NJ	61	10/78	400	40	7	✓	1045	48	9	✓	1861	49	10	✓
Schmidt, Dave-se PA/n DE	65	11/79	400	40	4	✓	1006	48	8	✓	1250	48	8	✓
Foxworth, Robert-Long Island, NY	57	11/78	400	44	9	✓	270	48	7	✓	1000	49	10	✓
Taylor, Pete-Tacoma, WA	81	3/00	399	35	0	✓	70	14	7	✓	468	33	3	✓
Wilkins, John-Denver/Des Moines	62	3/00	290	35	0	✓	1931	45	7	✓	2250	45	7	✓
Wheeler, Frank-nw PA	30	3/97	232	34	3	✓	1708	50	9	✓	2510	50	9	✓
Francis, Steve-nr Knoxville, TN	70	2/00	220	44	3	✓	35	35	0	✓	2648	48	7	✓
Mount, Paul-ne NJ	73	2/86	199	26	5	✓	224	33	6	✓	489	36	7	✓
Katchevski, Bob-San Francisco, CA	69	10/78	197	35	5	✓	198	36	5	✓	249	36	5	✓
Rugg, Andy-Montreal, sc ONT	60	9/99	168	28	7	✓	1552	47	10	✓	1587	47	10	✓
Rugg, Andy-Montreal	60	9/99	168	68	7	✓	1395	47	10	✓	1426	47	10	✓
Truax, Dick-vic. Louisville, KY	72	12/78	120	35	5	✓	20	17	3	✓	935	46	6	✓
Wolfish, Niel-Winnipeg, MAN	85	2/93	113	10	4	✓	25	10	4	✓	813	37	9	✓
Musco, Ron-nr Hartford, CT	62	12/99	108	28	3	✓	1244	47	9	✓	1367	47	9	✓
Smolarek, Bob-n NJ	82	4/89	78	16	5	✓	7	7	0	✓	817	36	5	✓
Taylor, Pete-San Francisco	58	3/00	70	6	1	✓	329	31	7	✓	450	32	7	✓
Renfrew, Jim-Rochester, NY	76	3/98	68	27	5	✓	161	42	8	✓	1678	44	8	✓
Mount, Paul-se OH	78	2/86	60	25	1	✓	3	3	0	✓	390	36	3	✓
Bond, Jerry-Rochester, NY	62	10/78	50	10	2	✓	0	0	0	✓	785	43	8	✓
Sanburn, Mike-Bellflower, CA	72	11/92	33	10	1	✓	212	23	5	✓	600	32	5	✓
Renfrew, Jim-Severna Park, MD	71	4/89	15	8	1	✓	0	0	0	✓	553	36	5	✓
Ponder, Stephen-Shreveport, LA	75	8/89	10	4	4	✓	721	39	5	✓	769	39	5	✓
Dau, Rick-Iowa City, IA	00	2/01	4	4	4	✓	0	0	0	✓	540	38	5	✓
Cooper, Ernest-Cape Cod, MA	32	10/78	0	0	0	✓	3601	48	10	✓	3601	48	10	✓
Steele, Sid-e IL	31	7/98	0	0	0	✓	2994	49	10	✓	3400	49	10	✓
Krejny, Ed-nr Cleveland, OH	50	11/96	0	0	0	✓	2729	49	10	✓	3265	49	10	✓
Schiller, Ron-central NJ	52	11/98	0	0	0	✓	2103	48	10	✓	2534	48	10	✓
Wesolowski, Ernie-Omaha, NE	58	2/99	0	0	0	✓	1970	49	9	✓	2115	49	9	✓
Heinen, Wayne-NY/CO	64	12/96	0	0	0	✓	1434	49	9	✓	1434	49	9	✓
Jeter, Karl-Atlanta, GA	69	3/84	0	0	0	✓	1193	44	6	✓	1574	44	6	✓
Arruda, Ray-nr Boston, MA	63	6/99	0	0	0	✓	1150	47	9	✓	1292	47	9	✓
Chatterton, Ken-n NY	45	11/78	0	0	0	✓	1101	50	10	✓	1845	50	10	✓
Falconer, Jeff-Clinton, ON	69	7/00	0	0	0	✓	1070	49	10	✓	2799	49	10	✓
Whatmough, Dave-Hamilton, ONT	51	1/00	0	0	0	✓	1030	49	10	✓	2061	49	10	✓
Anderson, Roger-Washington, DC	38	10/78	0	0	0	✓	1017	48	9	✓	1017	48	9	✓
Sampson, John-Omaha, NE	54	12/78	0	0	0	✓	912	45	6	✓	912	45	6	✓
Holland, George-Jr., via Albany, NY	31	11/85	0	0	0	✓	828	49	9	✓	828	49	9	✓
Harrison, Bob-ne NJ	82	6/98	0	0	0	✓	772	36	7	✓	996	36	7	✓
Voorhies, Don-New York/Oswego, NY	32	2/98	0	0	0	✓	611	47	10	✓	1838	48	10	✓
Zank, Neil G-Lincoln, NE	61	10/78	0	0	0	✓	535	45	9	✓	1100	46	9	✓
Hopkins, Jim-s NJ	72	10/78	0	0	0	✓	455	43	7	✓	850	44	7	✓
Sampson, John-Winston-Salem, NC	68	10/78	0	0	0	✓	450	30	1	✓	450	30	1	✓
Rigas, Christos-vic Chicago, IL	81	3/98	0	0	0	✓	382	44	6	✓	862	46	7	✓
Kureth, Joe-Uniontown, MD	61	1/00	0	0	0	✓	342	41	7	✓	2162	46	10	✓
Sampson, John-Hutchinson, MN	60	10/78	0	0	0	✓	336	42	6	✓	336	42	6	✓
Sampson, John-Cupertino, CA	66	10/78	0	0	0	✓	258	17	3	✓	258	17	3	✓
Renfrew, Jim-New Canaan, CT	67	4/89	0	0	0	✓	247	35	7	✓	721	39	8	✓
White, Thomas-nr Washington, DC	68	1/92	0	0	0	✓	243	38	7	✓	970	39	7	✓
Kennedy, Steve-ne PA	58	3/00	0	0	0	✓	223	42	7	✓	1589	46	10	✓
Taylor, Pete-Durham, NC	52	3/00	0	0	0	✓	208	38	6	✓	301	40	6	✓
Sampson, John-New York, NY	65	12/78	0	0	0	✓	181	33	6	✓	181	33	6	✓
Alves, Paul II-nr Boston, MA	48	2/99	0	0	0	✓	145	25	5	✓	352	32	6	✓
Wallace, Jim-Columbus, OH	69	10/78	0	0	0	✓	137	36	3	✓	795	41	7	✓
Taylor, Pete-Coral Gables, FL	45	3/00	0	0	0	✓	132	30	2	✓	221	29	3	✓

Greene, George-Akron, OH	60	11/84	0	0	0	✓	119	29	3	✓	743	45	7	✓
Greenberg, Warren-vic Boston, MA	72	11/78	0	0	0	✓	99	26	6	✓	125	27	6	✓
Kureth, Joe-Southern Pines, NC	63	6/71	0	0	0	✓	92	26	2	✓	878	38	7	✓
Edmunds, R. J.-Syracuse, NY	64	9/99	0	0	0	✓	75	31	5	✓	533	45	9	✓
DeLeure, Harley-Hendricks, WV	55	10/78	0	0	0	✓	59	48	10	✓	59	48	10	✓
Bezilla, Steve-cen PA	24	10/78	0	0	0	✓	50	45	4	✓	3000	48	8	✓
Boersma, Philip-w MI	73	10/78	0	0	0	✓	50	24	3	✓	520	41	6	✓
Hardison, Greg-Atlanta, GA	64	11/78	0	0	0	✓	42	19	5	✓	900	36	6	✓
Houdek, Gary-n KS	75	1/81	0	0	0	✓	31	21	1	✓	294	34	3	✓
Woods, Jack-w OR	74	2/81	0	0	0	✓	25	18	0	✓	194	26	4	✓
Onyschuk, Ken-Homewood, IL	66	11/92	0	0	0	✓	16	13	0	✓	972	43	6	✓
Bailey, Ron-Shelby, NC	92	1/01	0	0	0	✓	4	4	0	✓	1376	37	4	✓
Hardy, Nancy-coastal WA	69	12/84	0	0	0	✓	3	2	0	✓	778	40	5	✓
Axelrod, Shawn M-s MAN	85	10/00	0	0	0	✓	0	0	0	✓	1913	50	10	✓
DeLorenzo, Marc-e MA	62	9/00	0	0	0	✓	0	0	0	✓	1172	45	9	✓
Edmunds, R. J.-ne ME	94	9/99	0	0	0	✓	0	0	0	✓	172	20	6	✓
Reed, John-Ponca City, OK	95	12/96	0	0	0	✓	0	0	0	✓	604	38	5	✓
Renfrew, Jim-New York, NY	78	4/89	0	0	0	✓	0	0	0	✓	242	32	2	✓
Renfrew, Jim-Raleigh, NC	78	4/89	0	0	0	✓	0	0	0	✓	329	7	2	✓
Tudenham, John-Joplin, MO	90	10/97	0	0	0	✓	0	0	0	✓	164	17	3	✓
Turner, Richard-s MA	94	12/97	0	0	0	✓	0	0	0	✓	444	36	5	✓
Winkelman, Bruce-Greensboro, NC	94	12/97	0	0	0	✓	0	0	0	✓	328	29	6	✓
Winkelman, Bruce-Tulsa, OK	79	1/92	0	0	0	✓	0	0	0	✓	686	40	4	✓
	79	1/92	0	0	0	✓	0	0	0	✓	284	30	2	✓

Legend:

TDH, TDT, TDV District of Columbia heard, taped, and/or verified
 SH, ST, SV Total Domestic Heard, Taped, Verified
 PH, PT, PV States Heard, Taped, Verified
 Networks Provinces Heard, Taped, Verified
 Barry S. Finkel bsfinkel@ANL.gov
 10314 S. Oakley
 Chicago, IL 60643-2409
 Network listings for team sports stations

I am not sure whether to consider the new XFL professional sports or professional entertainment.

In either case, I am not sure that any team has a radio network. The only stations I know follow:

Chicago Enforcers

WBAP's Bill Mack To Retire

from the Fort Worth Star-Telegram via Bill Hale

ARLINGTON - Bill Mack, the man known to radio listeners across the country as the Midnight Cowboy, is riding into the sunset - or more precisely, the sunrise.

The legendary disc jockey, 69, announced on air Wednesday that he will spin his last late-night country song for Arlington's WBAP/820 AM at the end of March, 32 years after joining the station. His last midnight-to-5 a.m. shift is tentatively scheduled for March 29.

"I told WBAP before the end of the year of my decision," Mack said. "It'll be a friendly departure."

But the longtime Fort Worth resident isn't heading out to pasture. "I don't plan on hanging up my microphone," Mack said Thursday.

Mack declined to detail his post-WBAP plans but said wrapping up his biography is job one.

The fact that he's writing should be no surprise. In addition to playing records, Mack has written a pair of country-music hits. He took home the Best Country Song Grammy in 1997 for penning *Blue*, the number that launched LeAnn Rimes' career. He originally pitched the song to country great Patsy Cline but shelved it four decades after her death. But after seeing Rimes sing at Johnnie High's Country Music Revue in Arlington in 1996, he dusted it off, and the rest is music history.

He also scored big as the composer of *Drinking Champagne*, which was a hit for George Strait. "They've both had in excess of 1 million radio performances," said Ellen Wood, a spokeswoman for the BMI's performing rights association office in Nashville, Tenn., referring to *Blue* and *Drinking Champagne*. "That's considered a milestone."

Based on three minutes of airplay per song, it adds up to five years, seven months and eight days of airplay for each song, Wood said.

But it's spinning others' songs that has made Mack's name known to listeners as far away as Alaska. Mack began his radio career in the early 1950s at KEVA/1540 AM in Shamrock, Texas. The teen-age DJ was fired from his first job for adding a made-up account of Joseph Stalin's hemorrhoid surgery to a wire news report. He lost his next gig as a news director when the competition beat him on a story about a holdup - at Mack's own radio station.

By 1959 he had moved to the larger Lubbock market. Mack was the radio voice that brought rocker Buddy Holly's mother the news that her son had died in an airplane crash. The hysterical mother called Mack in shock. Recalling the grief-stricken mother's call to him at the station, Mack said: "It took me awhile to get over that."

In 1969, Mack rolled out the first radio program targeted to long-haul drivers on "The Trucking Show" at WBAP. The show brought Country Music DJ of the Year honors and a place in the Country Music Disc Jockey Hall of Fame in Nashville. It also won him a spot in the cab of truckers everywhere.

Rip Griffin began advertising on the Mack show in 1970. He owned one Lubbock truck stop. With the aid of Mack's commanding, friendly presence and WBAP's 50,000-watt reach, the chain has grown to 14 truck stops in seven states. "He had that hokey little jingle - 'Rip into Rip's'" that all the truckers came in singing, Griffin said. "He made me sound big, and that's what we needed. He gave us an identity."

Truckers who stopped Thursday night at Drivers Truck Stop, 3201 N. Freeway in Fort Worth, were saddened to hear Mack is retiring. Many said they depend on him for weather reports, industry news, entertainment and just to keep them company as they travel at night along desolate highways.

"Tell him not to retire," said John 'Road Apple' Cantrell, whose route takes him from Council Bluffs, Iowa, through Tarrant County several times a month. "Maybe he could do a show every once in a while - make a guest appearance or something. He's an all-right guy. He plays a variety of music, not just western. I like that."

Jim 'Cowboy' Cameron said he just likes to listen to Mack talk. "He keeps me awake, more than anything," said Cameron, who drives for Fikes Truck Lines out of Hope, Ark. "I also like to hear about the rain because you really have to slow down when that comes."

Vernon Porter, Jr., 73, president of Truck Center of Fort Worth, Inc., said he rarely stays up late enough to listen to Mack these days but considers him a friend. Porter said Mack and his band played at his daughter's wedding reception in the early '80s, and the two reminisced about the event a couple of years ago at a truck show. "He remembered it real well," he said Thursday at the truck stop. "I'll miss his personality. I don't think he ever met a stranger."

It was on Mack's show that a young Tanya Tucker heard her breakthrough single, "Delta Dawn", on the air for the first time in 1972.



The station fired him in 1982 but brought Mack back in 1986. "First night back on the air," said former WBAP operations manager Tyler Cox, recalling Mack's return. Mack took the microphone and told listeners, "As I was saying before I went on vacation."

WBAP operations manager Bob Shomper said Mack's show is still a strong ratings performer that generates good ad revenues. With what's arguably the strongest nighttime signal in America, listeners in 38 states and ABC Radio Networks satellite feeds to other stations, he touches listeners across the country.

"I would say he's easily got a coast-to-coast audience" Shomper said. "He's a superstar."

Though he's signing off WBAP, Mack said his health is great. He's working out, taking vitamins and looking forward to the biography launch. It's due in book-stores in September or October.

"The thing that's made it all worthwhile is I've been able to do what I damn well wanted to do," Mack said. "The thing is, it's been fun."

TSN Affiliates (via Bill Hale)

AM	FM
550 Midland KCRS 1350 Clarksville KCAR 92.1 SONORA KHOS-FM	88.5 MESQUITE KEOM-FM
590 Austin KLBJ 1350 Jasper KTXJ 92.3 MARSHALL KCUL-FM	92.1 GLEN ROSE KTFW-FM
600 El Paso KROD 1370 Austin KJCE 92.5 YOAKUM KYKM-FM	92.7 SHAMROCK KRMN-FM
600 Tyler KTBB 1390 El Campo KULP 93.3 AUSTIN KLNC-FM	93.3 BRADY KNEL-FM
690 Lamesa KPIE 1390 Waxahachie KBEC 94.1 BRENHAM KULF-FM	94.3 OZONA KYXX-FM
710 Amarillo KGNC 1400 Ballinger KRUN 94.3 DALHART KXIT-FM	94.3 SWEETWATER KXOX-FM
710 Edinburg KURV 1400 Greenville KGVL 95.3 EASTLAND KEAS-FM	95.3 BRIDGEPORT KBOC-FM
740 Texarkana KCMC 1400 Jacksonville KEBE 95.5 HASKELL KVTP-FM	95.5 BIG SPRING KBST-FM
860 Hereford KPAN 1400 Pecos KIUN 95.9 BONHAM KFYZ-FM	95.9 DALHART KXIT-FM
860 Fort Stockton KFST 1400 Perryton KEYE 96.7 SWEETWATER KXOX-FM	96.7 EASTLAND KEAS-FM
900 Hamilton KCLW 1400 Temple KTEM 97.7 RUSK-PALESTINE KWRW-FM	97.7 GATESVILLE KRYL-FM
910 Fredericksburg KNAF 1400 Stamford KVRP 98.3 BRIDGEPORT KBOC-FM	98.3 Palestine KYYK-FM
930 Center KDET 1410 Bowie KRJT 98.3 COLUMBUS KULM-FM	98.3 SPEARMAN KRDF-FM
950 Houston KPRC 1410 Marshall KCUL 98.3 KARLIS KQDF-FM	98.3 STEPHENVILLE KCUB-FM
960 Mt. Pleasant KIMP 1420 Bonham KFYN 98.3 SCHULENBURG KTXM-FM	98.3 Rockdale KRXT-FM
990 Kenedy KAML 1450 Gonzales KCTI 98.5 Rockdale KRXT-FM	98.5 WOODSTOCK KQDF-FM
1000 Coleman KSTA 1450 Junction KMBL 99.1 FAIRFIELD KNES-FM	99.1 WOODSTOCK KQDF-FM
1080 Dallas KRLD 1450 Lampassas KCYL 99.9 LIBERTY KSHN-FM	99.9 MINEOLA KMOO-FM
1090 Plainview KKYN 1470 Dimmitt KDHN 99.9 PAMPA KOMX-FM	99.9 SCHULENBURG KTXM-FM
1120 Mineral Wells KJSA 1470 Henderson KWRD 100.3 WOODSTOCK KQDF-FM	100.3 WOODSTOCK KQDF-FM
1140 Cleburne KCLE 1490 Big Spring KBST 100.3 WOODSTOCK KQDF-FM	100.3 WOODSTOCK KQDF-FM
1200 San Antonio WOAI 1490 Littlefield KZZN 100.9 QUANAH KIXC-FM	100.9 WOODSTOCK KQDF-FM
1220 Madisonville KMVL 1490 Paris KPLT 102.3 VERNON KVWC-FM	102.3 VERNON KVWC-FM
1220 Weatherford KZEE 1490 Vernon KVWC 103.3 WACO KWOW-FM	103.3 WACO KWOW-FM
1230 Corpus Christi KSIX 1490 Woodville KVLL 104.1 WOOD KXYL-FM	104.1 WOOD KXYL-FM
1230 Kerrville KERV 1510 Canton KVCI 104.3 CARTHAGE KGAS-FM	104.3 CARTHAGE KGAS-FM
1230 Sulphur Springs KSST 1510 Childress KCTX 104.9 TULIA KJMX-FM	104.9 TULIA KJMX-FM
1240 Alpine KVLF 1520 Hallettsville KHLT 105.9 WOODSTOCK KQDF-FM	105.9 WOODSTOCK KQDF-FM
1240 Bryan KTAM 1540 Galveston KGBC 106.3 COLORADO CITY KAUM-FM	106.3 COLORADO CITY KAUM-FM
1240 Dalhart KXIT 1550 Comanche KCOM 106.3 FALFURRIAS KPSO-FM	106.3 FALFURRIAS KPSO-FM
1240 Hemphill KPBL 1550 Navasota KWBC 106.3 GONZALES KCTI-FM	106.3 GONZALES KCTI-FM
1240 Sweetwater KXOX 1560 Daingerfield KEGG 106.3 HEREFORD KPAN-FM	106.3 HEREFORD KPAN-FM
1250 Seminole KIKZ 1560 Hillsboro KHBR 106.3 SEMINOLE KSEM-FM	106.3 SEMINOLE KSEM-FM
1260 Tulia KTUE 1570 La Grange KVLG 106.9 ABILENE KOES-FM	106.9 ABILENE KOES-FM
1260 San Angelo KKSA 1580 Gainesville KGAF 107.1 GRAHAM KWQK-FM	107.1 GRAHAM KWQK-FM
1290 Crockett KIVY 1580 Rusk-Palestine KTLU 107.9 FREDERICKSBURG KFAN-FM	107.9 FREDERICKSBURG KFAN-FM
1290 Wichita Falls KWFS 1580 Waco KRZI 108.9 WOODSTOCK KQDF-FM	
1300 Brownfield KKUB 1590 Carthage KGAS 109.9 WOODSTOCK KQDF-FM	
1320 Colorado City KVMC 1590 Eastland KEAS 110.9 WOODSTOCK KQDF-FM	
1330 Graham KSWA 1600 Orange KOGT 111.9 WOODSTOCK KQDF-FM	
1330 Monahans KLBO 1120 Victoria KAMG 112.9 WOODSTOCK KQDF-FM	
1340 Corsicana KAND 1130 Abilene KQES-FM 113.9 WOODSTOCK KQDF-FM	
1340 Lubbock KKAM 1140 Graham KWQK-FM 114.9 WOODSTOCK KQDF-FM	
1340 Lufkin KRBA 1150 Fredericksburg KFAN-FM 115.9 WOODSTOCK KQDF-FM	
1340 Victoria KAMG 1160 WOODSTOCK KQDF-FM 116.9 WOODSTOCK KQDF-FM	

A Useful Little Timer for DX'ing

By Rick Kenneally

With a young family and demanding job, I don't have nearly enough time for live DXing. To enjoy more DX, to make my commute to/from work more interesting, and to ensure that every radio I have is gainfully employed, I make recordings of target frequencies and listen later. Note, I'm not big on QSLs except for very special receptions - I use tapes as my record.

Now taping 45-90 minutes of some random frequency is not always that interesting thanks to network programming and hour-long "ID-free" shows. Some years ago, I bought a pair of Micronta timers from Radio Shack that featured digital programming of 7 on/off pairs each. I chained them together for 13 on/off pairs. I then programmed them to record two minutes across the top of every hour through the night. I would then listen the next day to one set of top-of-the-hour IDs after another. This turned out to be a tremendously effective way to quickly rebuild my logs after moving east from Ohio. While this worked, it was a pain - the timers were of horrible construction, tended to drift in time, and sported buttons that weren't debounced.

Now that I'm back into DXing, I unpacked the timers and started to set them up. After the usual nightmare of programming, I put the internet to work and found a nifty little alternative, the Intermatic DT17 Appliance Timer. It is carried by Home Depot, Bed Bath & Beyond, and is available over the web for about \$25.

The DT17 has 14 on/off pairs, and you can set it to the second (when you release the "Time Set" button, the seconds start counting at 1). It has battery backup and appears to keep good time. I've got one programmed to record across the top of every hour from dusk to dawn, and I'm just about to buy another to program for sunrise/sunset recordings at 15-minute intervals.

Three complaints, none serious: First, it plugs into the wall like a fat transformer, making it hard to adjust. This was cured with a short extension cord between the timer and the wall. Second, the buttons and display are very small, so large hands and bad eyes will struggle a bit. Third, you can't clear a single on/off program - you can only clear the entire set of programs. So to eliminate a program time, you have to change the on/off to match an existing program.

All in all, a fine little tool that has helped me pick up all the easier x-banders and has added spice to my commute.

I have to mention and thank the author of an article in the first WRTH I bought back in 1977 or 1978. It was written by a fellow who did a lot of taping and suggested using a stereo tape recorder to record from two receivers at once (which I do). I think his name was something like Gerd Klawitter.

Problems, Problems?

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See? No problem!

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Musings

of the Members

Dave Schmidt NRCMusings@aol.com

P. O. Box 3111

Scranton, PA 18505-0111

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.

Bob McCoy • 4618 Cooper Ave., #6 • Lincoln, NE 68506 • n0sce@alltel.net

Greetings, everyone. I looked at my calendar, saw it was a new millennium, and decided to send a Musing. I suppose I'll honor the tradition of a re-intro: I'm rapidly approaching the magic 55, an NRC member since 1973 (or whatever year the Windsor Locks Convention was held), single since 1978. I was a cohost at the 1977 Lincoln Convention and helped Ernie W. with the 1992 Omaha one (still have one or two KNRC QSL cards). I've been able to make a few other conventions, mostly a long time ago. I earn my "living" as a security officer; for the last 6 years with a large national firm that likes to change names every so often. I had been at the Nebraska National Guard HQ Complex, which gave me time to do some DX with the Superadio I had in the office, and a RS AM loop (which I think is quite decent). At the end of September, that changed, and I wound up back to working until 4 or 6 in the morning at one of two Hospital E-rooms. If I had any of the old DX zeal, I would be working SRS after I get home, but bed is usually a stronger influence. I've been a Ham since 1992, and upgraded to General this last year. I bought a RS HTX10 mobile 10m rig and a RS CB antenna, refuned the antenna and installed everything in my car. I have been having a great time on 10m USB, mobile with only 25 watts. I have worked all but two states and 85 countries so far. The basic DX bug is there in everything Radio, AM BCB/FM BCB/TV/SWBC/HF Amateur. I must note that I haven't spent much time on the AM BCB this season, but I at least did note the 1610 from Atlanta, TX. Neil Zank and I got together with Ernie Wesolowski and some of the Omaha area people in late January; its great to see Ernie showing an interest in hearing stations rather than just visiting them. I still do most of my listening on a Sony SRF-M30 Walkman, which is about as good a portable BCB rx as I have ever used. I still have a 12-655 TRF, a deteriorating RF2200, a SR111 (dog!), and a more recently-acquired-from-a-thrift-shop RCA RLG34T Globetrotter longrange AM portable (which is like a RS TRF in a nicer package). Anyway, that should bring anyone reading this up-to-date. 73's.

Russ Edmunds, Blue Bell, PA (wb2bjh@nrcdxas.org)

Some of the recollections featured recently have been very interesting. Having never worked in the media myself, however, I thought I'd try something different by recounting what was for me a very pivotal night in my DX career, and which coincidentally, led me to NRC. The date was March 15-16, 1963, and the equipment was a Fisher AM-FM tuner with a couple of 40' tuned longwires. Going into that night, I had heard all of the US 1-A clear channel stations from my home in Central NJ except 3-KFI-640-CA, KOA-850-CO and KSL-1160-UT. Starting at 2358 EST on the 15th, I heard KFI for the first time, about an hour later, KOA came into the fold, followed by KSL about an hour after that. Thus, in one night, I had completed the US Clears. While I'd thought that I'd hear them at some point, I never thought they'd all come through in one night. That day, out went three reception reports, and within a matter of weeks, all three had verified. Then, as my only resource was *Radio-TV Experimenter Magazine*, which featured White's Radio Log, I got to wondering about other DX'ers, and how many might have heard all of the clears from one coast or the other. I had only ever met one other BCB DX'er, quite by accident locally, but he knew no others, either, so I wrote a letter to the magazine, which was eventually published. Shortly afterward, I heard from several NRC members, among them a phone call from a DX'er only a few miles away - Ron Schiller of Monmouth Beach, NJ. We arranged to meet, and soon afterward, I began my NRC career, which will this summer reach the beginning of its 39th year! I've often wondered how things might have turned out differently that night, and how long it might have been before I discovered there were many others out there listening through the noise for the stations between and behind the stations. Now that I've thought about it some more, I plan to check back through my logs to find a few other memorable BCB DX dates. Oh, and by the way - I never again heard all 3 of those stations in the same night, and I've only ever heard KFI a handful of times since.

Broadcasters' Guides to DX

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