

DX MONITOR

THE OFFICIAL
PUBLICATION
OF THE



INTERNATIONAL
RADIO CLUB
OF AMERICA

DEVOTED EXCLUSIVELY TO BROADCAST BAND DXING

FEBRUARY 1, 1992 - VOLUME 29 - NUMBER 20 - EDITION 945 - ISSN 0899 - 9732

MEMBERS: RENEWALS	LA KINGS NETWORK	CENTRAL DX ROUNDUP
TVA AWARD INFO	LA LAKERS NETWORK	EASTERN DX ROUNDUP
DX GET-TOGETHER	DX WORLDWIDE WEST	WESTERN DX FORUM
DX TEST INFO	WESTERN DX ROUNDUP	EASTERN DX FORUM
CLUB OFFICERS	MEMBERSHIP INFO	TECHNICAL TOPICS

RENEWALS: Sam McKee, Bill Nittler, Lynn Hollerman, Kermit Geary, Karl Forth, Gary Siegel, Doug Nyholm.....Thank you much

TED VASILOPOULOS AWARD: The TVA is awarded each year to the IRCA member contributing the most to the DX hobby and IRCA during the preceding year. We will vote on the award this spring. Any IRCA member in good standing is eligible, except those who have won the award during the past five years: Greg Monti, Karl Zuk, Richard Evans, Ernest R Cooper, and Bill Hardy. If you would like to nominate someone that you feel is deserving of the TVA, please write to Bill Hardy by March 1st, and give a brief reason why the person deserves the award. The most recent winners of the award will choose several names to appear on the ballot this spring, and you may write in the name of any IRCA member in good standing who has not won the TVA in the past five years. Write to Bill Hardy 2301 Pacific Ave Aberdeen WA 98520 by March 1st. Thank you. Please try to do it today.

GET-TOGETHER: Bruce & Evelyn Portzer on Saturday February 15th starting at 1 PM. Bring potluck junk food. Will pass the hat around for pizza at dinner time. Address 6546 19th Ave NE Seattle WA Phone (206) 522-2521.

IRCA REP: IRCA President Phil Bytheway is looking for someone to represent the IRCA at the annual Dayton HamVention April 24-26, 1992. If you are planning to attend and are interested in representing our club. Please contact Phil at 9705 Mary NW Seattle WA 98117. Please let us know so Ralph can send you care package full of sample bulletins.

IRCA STATIONARY: IRCA stationary (black-red on white) is available from the IRCA BOOKSTORE at \$4.00/100 sheets. From Phil address noted above.

REPRINTS & REPRINT LIST: Steve Ratzlaff 295 Pettis Mountain View CA 94041

BOOKSTORE: Write Phil Bytheway 9705 Mary Ave NW Seattle WA 98117 for a list of what is in the bookstore. Almanacs, Tech guides, Updaters etc..

IRCA DX TEST BULLETIN

MONDAY, FEBRUARY 3, 1992 - *NEW* WMXY-720. LA GRANGE, GA WILL CONDUCT A RESCHEDULED DX TEST FROM 1:30 TO 2:00 AM EST. THE TEST WILL INCLUDE MORSE CODE ID'S AND MARCH MUSIC. RECEPTION REPORTS GO TO: MR. TED RONNEBURGUR - CHIEF ENGINEER, WMXY-AM, P.O. BOX 1114, LA GRANGE, GA 30241. THE POSTAL SERVICE DELIVERED THE MORSE CODE/PROGRAM TAPE VIA OUTER MONGOLIA & MR. RONNEBURGUR HAS GRACIOUSLY CONSENTED TO THIS RESCHEDULED TEST.

MONDAY, FEBRUARY 3, 1992 - WLDS-1180. JACKSONVILLE, IL WILL CONDUCT A DX TEST FROM 2:00 TO 2:30 AM EST. THE TEST WILL INCLUDE POLKAS, MORSE CODE ID'S AND VOICE ID'S. RECEPTION REPORTS GO TO: MR. KEVIN POTTER - CHIEF ENGINEER (KC9ZK), WLDS-AM, P.O. BOX 1180, JACKSONVILLE, IL 62651.

MONDAY, FEBRUARY 3, 1992 — KHAC-880, WINDOW ROCK, AZ WILL RUN A SPECIAL DX TEST FROM 3:00 TO 4:00 AM EST. THE TEST WILL INCLUDE TONES, VOICE & MORSE CODE ID'S AND MARCH MUSIC. RECEPTION REPORTS GO TO: MR. BILL HURNE - CHIEF ENGINEER (WB2PEX), KHAC-AM, P.O. BOX F, WINDOW ROCK, AZ 86515.

MONDAY, FEBRUARY 10, 1992 — WVWV-630, ST. MARYS, WV WILL RUN A DX TEST FROM 12:00 TO 12:30 AM EST. THE TEST WILL INCLUDE VOICE ID'S, TONES & "EASILY IDENTIFIABLE MUSIC". PREPAID PHONE CALLS WILL BE ACCEPTED DURING THE TEST AT (304) 684-3400. RECEPTION REPORTS MAY BE SENT TO: MR. BOB EDDY - PRESIDENT/GENERAL MANAGER/CHIEF ENGINEER, WVWV-AM, P.O. BOX 374, ST. MARYS, WV 26170.

MONDAY, FEBRUARY 10, 1992 — WZZZ-1300, FULTON, NY WILL RUN A DX TEST BETWEEN 1:15 & 2:00 AM EST. THE TEST WILL INCLUDE VOICE & MORSE CODE ID'S AND AN UNSPECIFIED SELECTION OF MUSIC. RECEPTION REPORTS MAY BE SENT TO: MR. PETER HUNN - OWNER, WZZZ-AM, 1300 RADIO PARK, LAKESHORE ROAD, FULTON, NY 13069. MR. HUNN REQUESTS AN SASE BE INCLUDED WITH ALL REPORTS.

MONDAY, FEBRUARY 10, 1992 — WAAM-1600, ANN ARBOR, MI WILL AIR A SPECIAL DX TEST BETWEEN 3:00 & 3:30 AM EST. THE TEST WILL INCLUDE VOICE & MORSE CODE ID'S. RECEPTION REPORTS GO TO: MR. RANDY CARR - CE (N8DBQ), WAAM-AM, 4230 PACKARD ROAD, ANN ARBOR, MI 48108.

TESTS ARRANGED BY J.D. STEPHENS FOR IRCA.

ALL THE TEST BELOW ARE COURTESY OF THE NATIONAL RADIO CLUB CPC...THANK YOU

KADA-1230, BOX 609, Ada, OK 74820 will conduct a DX Test¹ on Saturday Morning February 15, 1992 from 0100 to 0130 EST. Programming will consist of March music, Voice and Code ID's. Our thanks to Mr. Roger R. Harris General Manager for this test. Arranged by the Courtesy Program Committee of the National Radio Club.

-
KGFV-1340, BOX 666, Kearney, NE 68847 will conduct a DX test from 0200 to 0230 AM EST on Monday morning February 17, 1992. This test will contain Morse Code ID's. Our thanks to Mr. Dirk Christensen Operations Manager for this test. Arranged by the Courtesy Program Committee of the National Radio Club.

-
KUSD-690, Telecommunications Center, Cherry & Dakota Streets, P.O. BOX 5000 Vermillion, SD 57069-5000 will conduct a DX Test on Monday Morning February 17, 1992 from 0300 to 0330 EST. Program will consist of test signals and programming. Our thanks to Mr. Larry Rohrer of South Dakota Public Radio for this test. Arranged by the Courtesy Program Committee of the National Radio Club.

-
KCRV-1370, P.O. BOX 909, Caruthersville MO 63830 will conduct a rescheduled DX test on February 17, 1992 from 0615 to 0645 EST. This test will consist of tones, voice and Morse code ID's. NRC CPC caused a mix up on the time and Mr Cleat Stanfill GM has graciously consented to the second test.

-
KBBS-1450, Buffalo, WY will conduct a DX test from 0200 to 0400 AM EST on Sunday morning March 1, 1992. This test will contain music, voice and Morse Code ID's. Our thanks to Mr. Glenn Swiderski. Please direct your reports directly to Glenn at P.O. BOX 153, Buffalo, WY 82834. Arranged by the Courtesy Program Committee of the National Radio Club.

LOS ANGELES KINGS 1991-92 RADIO NETWORK & SCHEDULE

- via Steve Mittman

690 XETRA BCN Tijuana [SoCalif.] (flagship)

610 KAVL CA Lancaster	1270 KNWZ CA Palm Desert
970 KIAK AK Fairbanks	KPLY NV Reno
1150 KCKY AZ Coolidge	1280 KKAL CA San Luis Obispo
1220 KBET CA Santa Clarita	1320 KHSJ CA Hemet
1230 KPRL CA Paso Robles	1400 KTUC AZ Tucson
1240 KSAC CA Sacramento	1430 KAMP CA El Centro

[Times are PLT. * = Game tape delayed on radio until 10pm PLT.]

Oct. 4 5:20pm (Wpg.)	5 5:20pm (Chi.)	9 3:50pm (Buff.)
6 4:50pm (Edm.)	7 4:20pm (Que.)	11 5:20pm (St.L.)
8 7:20pm (Edm.)	12 7:20pm (Wpg.)	13 5:20pm (Chi.)
10 7:20pm (Calg.)	14 7:50pm (Vanc.)	15 7:20pm (Wash.)
12 7:20pm*(Wpg.)	17 7:20pm (Minn.)	17 12:50pm (Bos.)
16 7:20pm (S.J.)	21 7:20pm (Det.)	19 6:20pm (Edm.)
19 7:20pm*(Minn.)	26 7:20pm (S.J.)	21 6:20pm (Calg.)
22 4:20pm (N.J.)	28 4:50pm (Edm.)	23 4:50pm (Wpg.)
23 4:20pm (N.Y.R.)	29 4:50pm (Calg.)	25 7:20pm (Vanc.)
26 4:20pm (N.Y.I.)	31 5:50pm (Vanc.)	27 7:20pm (Que.)
28 4:20pm (Det.)	Jan. 2 7:20pm (Edm.)	29 7:20pm (Mont.)
30 4:20pm (Hart.)	4 7:20pm (Phil.)	Mar. 3 7:20pm (Phil.)
31 4:20pm (Bos.)	7 4:20pm (Pitt.)	4 7:20pm (S.J.)
Nov. 2 5:05pm*(Tor.)	9 4:20pm (Phil.)	7 7:20pm (Pitt.)
7 7:20pm (Vanc.)	10 4:20pm (Wash.)	9 7:20pm (Tor.)
9 7:20pm*(Edm.)	12 4:20pm (N.J.)	11 4:20pm (Hart.)
11 11:50am (Wpg.)	14 7:20pm (S.J.)	14 4:50pm (Mont.)
12 7:20pm (Vanc.)	16 7:20pm (Wash.)	15 3:50pm (Bos.)
14 7:20pm (Buff.)	22 4:50pm (Minn.)	17 7:20pm (Wpg.)
16 7:20pm*(Det.)	23 5:20pm (St.L.)	19 7:20pm (Buff.)
19 7:20pm (S.J.)	25 7:20pm (Calg.)	21 12:50pm (Calg.)
21 7:20pm (N.Y.R.)	28 7:20pm (St.L.)	26 6:20pm (Calg.)
23 7:20pm (S.J.)	30 7:20pm (N.Y.R.)	27 5:20pm (Wpg.)
26 7:20pm (Tor.)	Feb. 1 7:20pm (Chi.)	29 4:50pm (Edm.)
28 6:20pm (Calg.)	4 7:20pm (N.Y.I.)	Apr. 4 12:50pm (Vanc.)
30 7:20pm (N.J.)	6 7:20pm (Hart.)	5 1:50pm (Vanc.)
Dec. 3 7:20pm (S.J.)	8 10:50am (Pitt.)	

IRCA AM-FM ALMANAC UPDATERS ARE NOW AVAILABLE!

Updater 5.3 this month - updated NFL and college football, 530/1610 TIS/Highway Radio update, Rush Limbaugh list.

Updater 5.4 due Jan. 1 - updated NBA and college basketball, NHL hockey, and more.

Still available: Updater 5.1 - Almanac index, AM slogans. Updater 5.2 - Satellite Music Network, Unistar/Transtar, talk updates, BRN, 1991 baseball.

20 pages each, \$2 U.S. and Canada, \$3 elsewhere, payable to IRCA, from Bill Hardy, 2301 Pacific Ave., Aberdeen, WA 98520. Thank you!

LOS ANGELES LAKERS 1991-92 RADIO NETWORK & SCHEDULE

- via Steve Mittman

570 KLAC CA Los Angeles (flagship)

920 KVEC CA San Luis Obispo	1270 KPLY NV Sparks-Reno
940 KNST AZ Tucson	1290 KMEN CA San Bernardino
1230 KXO CA El Centro	1300 KYNO CA Fresno
KPRL CA Paso Robles	1320 KHSJ CA Hemet
KLAV NV Las Vegas	1340 KSFE CA Needles
KYVA NM Gallup	1410 KERN CA Bakersfield
1240 KRNY CA Monterey	KTME CA Lompoc
KLOA CA Ridgecrest	1450 KVEN CA Ventura
KSMA CA Santa Maria	KSGI UT St. George
1250 KTMS CA Santa Barbara	1470 KUTY CA Palmdale-Lancaster
1270 KXBX CA Lakeport	

[Times are PLT. * = Some stations may tape delay the game until 10pm PLT.]

Nov. 1 5:20pm (Hou.)	30 7:20pm (G.S.)	28 7:20pm (Clev.)
2 5:20pm (Dal.)	Jan. 3 7:20pm (Ind.)	Mar. 1 7:20pm (Hou.)
5 7:20pm (Clips.)	5 7:20pm (Miami)	3 6:50pm (Port.)
8 6:20pm (Phx.)	7 5:20pm (Dal.)	4 7:20pm (N.J.)
10 7:20pm (Minn.)	8 4:50pm (S.A.)	8 12:15pm (Det.)
14 7:20pm (G.S.)	10 7:20pm (Den.)	10 4:50pm (N.Y.K.)
15 7:20pm (Hou.)	12 7:20pm (Orl.)	11 5:50pm*(Atl.)
17 7:20pm (Atl.)	15 7:20pm (Char.)	13 5:50pm*(Clev.)
19 7:20pm (Phx.)	18 6:50pm (Sea.)	14 4:20pm (Wash.)
22 7:20pm (S.A.)	20 1:20pm (Sea.)	16 5:50pm*(Ind.)
24 7:20pm (Milw.)	21 4:50pm (Port.)	18 7:20pm (Port.)
26 4:50pm (Orl.)	23 7:20pm (Sac.)	20 7:20pm (Minn.)
27 5:50pm*(Miami)	24 7:20pm (Sac.)	26 7:20pm (Dal.)
29 4:50pm (Bos.)	29 7:20pm (G.S.)	27 6:20pm (Utah)
30 4:20pm (Phil.)	30 5:50pm (Den.)	29 7:20pm (Phil.)
Dec. 3 5:20pm (Milw.)	Feb. 2 12:15pm (Chi.)	31 4:50pm (Hou.)
4 5:50pm*(Char.)	3 6:20pm (Phx.)	Apr. 1 5:20pm (S.A.)
6 5:50pm*(N.J.)	5 7:20pm (Clips.)	3 7:20pm (Sea.)
8 7:20pm (Dal.)	11 4:50pm (Minn.)	5 7:20pm (Phx.)
10 7:20pm (Sac.)	13 6:20pm (Utah)	7 6:50pm (Sea.)
11 7:20pm (Utah)	14 7:20pm (Wash.)	9 4:50pm (S.A.)
15 7:20pm (Sac.)	16 12:15pm (Bos.)	11 12:15pm (Utah)
17 4:50pm (Chi.)	17 7:20pm (G.S.)	13 7:20pm (Den.)
19 5:50pm*(Minn.)	19 7:20pm (Clips.)	15 5:50pm (Den.)
20 4:50pm (Det.)	20 6:50pm (Sea.)	16 7:20pm (Sac.)
22 7:20pm (Phx.)	22 7:20pm (G.S.)	18 12:15pm (Port.)
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PAT MARTIN P.O. BOX 843 SEASIDE. OR 97138

DX Worldwide - West

Time: UTC phone (503) 861-3185

DEADLINE: MONDAYS


TRANS-PACIFIC DX ROUNDUP

- 531 JAPAN, Morioka-JOQG-good with man in JJ at 1510 1/19 (PM-OR)
540 JAPAN, UNID NHK 1 station in jumble at 1511 1/19 (PM-OR)
549 UNID, weak signal, weak audio, poss. Russian? at 1432 1/19 (PM)
558 REPUBLIC OF KOREA, man in KK at 1430 1/19 (PM-OR)
567 JAPAN, Sapporo-JOIK-NHK 1 here //531 1423 1/19 (PM-OR)
576 UNID, woman in strong echo chamber (jammer?) Hard to tell what language at 1532 1/19 (PM-OR)
585 UNID, weak station here all morning 1/19 (PM-OR)
594 JAPAN, Tokyo-good from 0700 to after 1700 1/19 JJ talk (PM-OR)
603 UNID, weak signal here, poss. KK at 1405 1/19 (PM-OR)
612 JAPAN, Fukuoka-JOLK good //531 at 1437 1/19 (PM-OR)
621 UNID, weak het here all morning 1/19 (PM-OR)
639 UNID, het here all morning 1/19 (PM-OR)
648 RUSSIA, Vladivostok-man in RR at 1523 1/18 (PM-OR)
657 D.R. KOREA, good w/woman in KK, softer tone these days, not the yelling that I used to hear, another KK mixing, poss South Korea? 1529 1/19 (PM-OR)
666 JAPAN/RUSSIA, mixing of the two here 1444 1/18 (PM-OR)
675 UNID, weak station here 1/19 all morning, not able to catch much (PM-OR)
693 JAPAN, Tokyo-JOAB good w/woman in JJ at 0732 1/19 (PM-OR)
702 JAPAN, synchros here //693 0733 1/19 (PM-OR)
711 UNID, here at 1345 1/19 (PM-OR)
720 tRUSSIA, F.S. sounded CC at 1503 1/19, KDWN QRM (PM-OR)
729 JAPAN, Nagoya-JOCK NHK 1 //531 at 1513 1/19 (PM-OR)
738 UNID, weak station here 1549 1/19 (PM-OR)
747 JAPAN, Sapporo-JOIB-good at 0715 1/19 JJ talk (PM-OR)
756 UNID, station here 1517 1/19, weak audio (PM-OR)
765 UNID, station here 1518 1/19 (PM-OR)
774 JAPAN, Akita-JOUB- NHK 2 talk //747 0716 1/19 (PM-OR)
783 RUSSIA, man in RR here o/UNID at 1555 1/19 (PM-OR)
792 UNID, weak signal here morning 1/19 (PM-OR)
837 JAPAN, Niigata-JOQK-good w/JJ talk 0750 1/19 (PM-OR)
846 UNID, JJ talk(?) at 0757 1/19 (PM-OR)
855 UNID, KK (?) talk 0840 1/19 (PM-OR)
864 UNIDS, several weak signals here at 0910 1/19 (PM-OR)
873 JAPAN, Kumamoto-JOGB-weak here JJ talk 0926 1/19 (PM-OR)
891 JAPAN, Sendai-JOHK-good w/JJ talk 0916 1/19 (PM-OR)
909 UNID, het here 0946 1/19 (PM-OR)
918 UNID, weak signal 1509 1/19 (PM-OR)
927 UNID, weak signal here 1508 1/19 (PM-OR)
936 UNID, weak signal here 1509 1/19 (PM-OR)
954 JAPAN, Tokyo-JOKR good w/JJ Pops and YL ancr in JJ 1448 1/19(PM)
972 REPUBLIC OF KOREA, KK talk morning 1/19 (PM-OR)
981 UNID, het here 1547 1/19 (PM-OR)
999 UNID (JJ?) at 1548 1/19 (PM-OR)
1053 JAPAN/JAMMER, mix here 1450 1/19 (PM-OR)
1107 JAPAN, JJ Commercial station w/YL in JJ 1556 1/19 (PM-OR)
1116 JAPAN, JJ commercial station w/man in JJ 1557 1/19 (PM-OR)
1125 UNID, Ort. talk weakly in splat at 1607 1/19 (PM-OR)
1134 SOUTH KOREA, man in KK at 1540-1600 on 1/10. Sent tape to Chuck Boehnke=Hawaii which I did it for me, wasn't sure of language-format sounded strange with a comment in EE and then the rest in in KK, talk about the Culture, o/JJ and an UNID Phil. station This one is 500 KW now.Thx for the help Chuck. (PM-OR)

- 1143 JAPAN, Kyoto-JOBR-fair in splat w/JJ pop mx and man at 1609 1/19 (PM-OR)
- 1152 RUSSIA?, man in low keyed talk in RR? at 0836 1/19 (PM-OR)
- 1161 UNID, het on freq, no audio 0920 1/19 (PM-OR)
- 1179 UNID, Poss. JJ talk at 1349 1/19 (PM-OR)
- 1188 SOUTH KOREA?, sounded poss. KK in splat 1519 1/19 (PM-OR)
- 1197 UNID, het here, never could get audio AN 1/19 (PM-OR)
- 1250+ UNID, lang. sounded poss. inbetween 1250-1251, man in jumble, a domestic or what 1555 1/19. Sounded weird. (PM-OR)
- 1251 UNID, soft talk w/het in 1601 1/19, QRM de 1250+ station (PM-OR)
- 1287 JAPAN, Sapporo-JOJOHR-fair w/JJ talk 1/19 1610 (PM-OR)
- 1475 MALAYSIA, fair w/deep fades and soft U.S. AC at 1007 1/19 (PM-OR)
- 1476 UNID, het here after 1300+ on 1/19, no audio (PM-OR)
- 1566 REPUBLIC OF KOREA, Cheju-HLAZ, hrd until after 1730+ on 1/12. Last TP to fade out. (PM-OR)
- 1575 tTHAILAND, VOA-presumed the souce of talk fading 1550 1/18 (PM-OR)

REPORTER

PM-OR YOUR EDITOR
 SP-600-JX26, Term. 200' SW/NE Wire, 2200' NNW Term. Bev. Ground system.

	<p>WESTERN DX ROUNDUP</p>	<p>Nancy Hardy 2301 Pacific Ave. Aberdeen, WA 98520</p>
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DEADLINE FOR WDXR TIPS IS MONDAY. PLEASE USE EASTERN TIME.

REPORTERS FOR THIS ISSUE:

- (GJ) Gary Jackson-7735 Center Parkway-Sacramento, CA 95823
 Yaesu FRG-8800, Dymek DA5 antenna
- (GL) Gary Larson-2806 Lincoln-Burbank, CA 91504
 (GL-CA1) DX'ing with car radio in Pasadena, CA
- (PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138
 SP-600JX26, 200' NE/SW term., 2200' N Term. Beverage
- (HR) Harry Rea-2927 N.E. 21st Ave.-Portland, OR 97212
 Kenwood R-5000, Portland Radio Supply longwire
- (MS) Mike Sanburn-P.O. Box 1256-Bellflower, CA 90707
 GE Superadio
- (DJS) Duncan Shaw-35 S. Hoover St. #224-Los Angeles, CA 90007

OF SPECIAL INTEREST

- 830 KPLS CA, Orange 1/13 1309 signed on finally. L.A. office told me when this happened. Was to go on at 0800 but nothing as I waited with recorders going. Signal day & night is weak here - sounds like 1kw. (GL-CA)
 +1/13 various times between 0800 & 0230. Sked to sign on at 0800, but did not until 1209 per call from Gary Larson. Signal fair-good, running Spanish news/talk. Slogan "La Voz, ocho treinta" (830). Many ments of first day of operation, giving comment line number as (800) 300-8830. Per L.A. Times article, KMDY-850 will rebroadcast signal. (DJS-CA)
- 530 TIS CA, Pasadena 1/12 on with OC. Strong near Rose Bowl. (GL-CA1)
- 540 KJQI CA, Costa Mesa 1/12 in good continuously as I drove around. (GL-CA1)

- 560 CHTK BC, Prince Rupert 1/8 0514 with spot for Rainbow Market in Prince Rupert, Oldies Coast to Coast. (PM-OR)
- 760 CFLD BC, Burns Lake 1/10 0231 excellent & all alone with Oldies Coast to Coast. (PM-OR)
- 780 KAZM AZ, Sedona 1/6 0718-0748 blasting in over KROW! Weather & road conditions, ment. flash flood warnings. Day power? AZ #64 for me/ex-1470. (MS-CA)
- 800 ?KHIS? CA, Bakersfield 1/4 1953 was DX'ing during solar eclipse at SSS. Heard inspirational music fade up momentarily, then gone. Still needed. (MS-CA)
- KPDQ OR, Portland 1/11 1130 relig. program in strong. Listed as 500 watts night time! (GJ-CA) (Do you mean 2330?--NH)
- 850 KMDY CA, Thousand Oaks 1/11 1515 noted still using these calls // KNJO-FM, playing "Video Killed the Radio Star" by The Buggles. Still has comedy weeknights. (MS-CA)
+1/13 1900-1902 still // KNJO-FM, but using KMDY calls. Per LA Times article, calls will be KCTQ and // KPLS-830. Legal ID "You're listening to KNJO & KMDY Thousand Oaks. The home of grown-up rock. (DJS-CA)
- 870 ?CFBV? BC, Smithers 1/10 0234 presume // 760 with Oldies Coast to Coast. (PM-OR) (Bill says both CFBV & CKIR have Oldies Coast to Coast, but CFBV would be // 760 on local breaks. --NH)
- 950 XEKAM BCN, Tijuana 1/12 stronger than I ever heard them before in Pasadena area, airing USA Radio News. Good audio. (GL-CA1)
- 1000 KOMO WA, Seattle 1/10 2347 salute to U. of Washington football team "Your official Husky Station." Followed by Deborah Norville Show. Heavy interference throughout. (HR-OR)
- 1020 CKVH AB, High Prairie 1/10 0610 good on top of channel with spots for Westlock & High Prairie. (PM-OR)
- 1060 CFCN AB, Calgary 1/10 2355 "AM 106 Hitline," local ad, ad emphasising the positive use of radio for selling products, "The best music on the planet." Heavy interference. (HR)
- 1240 KPCC CA, Pasadena 1/12 1300 on air with service from Pasadena Pres. Church. Suspect XMTR still on Star News Building, but I know for sure both support towers for longwire are gone. Maybe longwire still there, but low on roof. Signal very strong, where I was at Los Robles & Walnut. (GL-CA1)
- 1350 KCKC CA, San Bernardino 1/12 1315 faint but readable with country. (GL-CA1)
- 1360 KFIV CA, Modesto 1/3 2000 good over jumble with "K-F-I-V" ID into news. (PM-OR)
- 1430 KALI CA, San Gabriel 1/12 unsure of time, 1400 or so, on with English public service program on schools. (GL-CA1)
- 1490 KTOB CA, Petaluma 1/3 1959 ID fair above jumble. (PM-OR)
- 1570 CHUB BC, Nanaimo 1/11 0041 hockey scores, local ad, provincial Lotto numbers. Strong, then faded in/out. (HR-OR)
- 1580 KBLA CA, Santa Monica 1/12 1400-1430 or close to that time period. Weaker than in my area. Must be a null. (GL-CA1)
- 1600 KMNY CA, Pomona 1/12 stronger than 1580-KBLA in this part of San Gabriel Valley, with financial news features and reports. (GL-CA1)

DX TESTS

- 720 (KUAI) HI, Eleele 1/12 0500-0900 DX test tried, not heard. (MS)
+1/12 not heard, just too much KDWN 40-60+ dB's on receiver, couldn't even null them! Wish KDWN was this strong during baseball season! (GJ-CA)
- 1570 (KMYZ) OK, Tulsa 1/6 0101-0500 DX test tried, not heard. (MS-CA)

HELP WITH UNID

- 910 JH-CA's unID in 1/11 WDXR is most likely KFYI-AZ. Per network affiliate list, station broadcasts Rush Limbaugh 1800-2100 (ELT). Other possibility would be KBLG-MT, who also broadcasts show, but from 1200-1400 & 1500-1600. (DJS-CA)

UNIDS

- 890 1/6 0700 possible s/on ID with power (sounded like 100 watts), played song "Don't Let the Sun Go Down On Me" by George Michael

and Elton John. Ruined at 0705 by KDXU s/on. Help! (MS-CA)
1500 1/12 0800-1030 steady tone, started fading a little at 1030. New station listed here for KRCK Burbank at 50kw daytime (Spanish) in NRC Log. Could this be them? No IDs at all. Doesn't anyone ID anymore?? We really need more radio stations? (GJ-CA) (See KRCK tip last issue!--NH)

Every once in awhile some asks if it is okay to send a report that is not typed. This week, except for one that was typed, all reports were very neatly handwritten. It is fine with me if you hand write a report, as long as it is written on just one side of the paper.

TED VASILOPOULOS AWARD: The TVA is awarded each year to the IRCA member contributing the most to the DX hobby and IRCA during the preceding year. We will vote on the award this spring. Any IRCA member in good standing is eligible, except those who have won the award during the past five years: Greg Monti, Karl Zuk, Richard Evans, Ernest R. Cooper, and Bill Hardy. If you would like to nominate someone that you feel is deserving of the TVA, please write to Bill Hardy by March 1, and give a brief reason why the person deserves the award. The most recent winners of the award will choose several names to appear on a ballot this spring, and you may write in the name of any IRCA member in good standing who has not won the TVA in the past five years. Write to Bill Hardy, 2301 Pacific Ave., Aberdeen, Wash., 98520 by March 1. Thank you!

Central DX Roundup

EDITOR
John C. Johnson
979 Neptune Boulevard
Billings, Montana 59105-2129

 **PRODIGY**
MPNN49A

FOR THE RECORD

Report all times as Eastern. Computer reports accepted. Deadline is every Saturday.

RIDING GAIN

- [VAL-DX] = DXpedition to Valhalla Beach, Manitoba 1-11,12-1992
Attending: Shawn Axelrod, Wayne McRae, and Larry Shewchuk.
Equipment: Icom IC-R70, TS-440, various beverages.
- [SA-MB] = Shawn Axelrod, 30 Becontree Bay, Winnipeg, Manitoba R2N 2X9
Icom IC-R70, Box loop, 100' wire.
- [TMJ-IL] = Tom Jasinski, 419 North Raven, Shorewood, Illinois 60435-9640
FRG-7, 2½ foot loop.
- [TML-IN] = Tom Laskowski, 1334 East Miner Street, South Bend, Indiana 46617
Icom IC-R71A, loop.
- [RS-MO] = Randy Stewart, 4225 West La Casa, Springfield, Missouri 65802-5615
TRF, 4' spiral loop.
- [JcJ-MT] = Your editor using an Icom IC-R71A with a "Radio West Loop."

DOWN THE DIAL

570 **WKBN** QH, Youngstown. 1/12 good. 0630 with "Radio 57" and "WKBN" IDs. Talk format.
New one for us. [VAL-DX]

- 610 **KFRC** CA, San Francisco. 1/11 poor. 2055 with NOS/BBD music. 2100 into local news, no ID. New one for all of us. [VAL-DX]
- 690 **KOAQ** NE, Terrytown, 1/12 fair. 0738 with promo for the "KOAQ Solid Gold Music Machine" into oldies. New one for us. [VAL-DX]
- 700 **KFAM** UT, North Salt Lake City. 11/11 strong, dominating the frequency on the west wire. 1759 with "You are listening to KFAM, North Salt Lake City." TC, News ready by woman. New for all of us. [VAL-DX]
- 720 **CHTN**, PEI, Charlottetown, 1/12 good, WGN off. 0455 with "Oldies Coast-to-Coast" and Canadian News. Local announcer with "CHTN" ID. New for us. [VAL-DX]
- KDWN** NV, Las Vegas. 1/12 good with WGN off. 0518 with "You're listening to the talk of west, KDWN." [VAL-DX]
- WGCR** NC, Pisgah Forest. 1/13 fair, faded u/WMXY. 1728 with talk about local churches, mentioned a tour of WGCR studios. New for me. [RS-MO]
- WGN** IL, Chicago. 1/12. 0220. Noted testing with TT and OC. Various frequency tones. Occasional test announcements or dead air. Nothing else heard, didn't try for HI test. [TML-IN]
- WMXY** GA, Hogansville. 1/13 good o/WGCR. 1730 with UC music. Slogan "Your 10,000 watt blowtorch, X-720." [RS-MO]
- 860 **KCNR** UT, Salt Lake City. 1/5 fair. 0852 with CNN Sports, spot for Pleasant Grove FoodTown. CNN News. Last heard as KUTR then KLZX. UT#26. [SA-MB]
- 970 **KFEL** CO, Pueblo. 1/11 good. 1740 with C&W music, "KFEL" and TC by woman. New one for us. [VAL-DX]
- 1030 **KTWO** WY, Casper. 1/7 very good. 1859 loud on day pattern with C&W music. Quick ID into CBS News at 1900. Rare here anymore, used to be a regular even on day pattern. [RS-MO]
- 1040 **CFZZ** PQ, St. Jean Sur Richeliev. 1/12 fair. 0610 with FF talk by man into FF lite rock music. New one for us. [VAL-DX]
- 1070 **CFAX** BC, Victoria. 1/11 poor u/KMOM. 2007 with Sam Cooke oldie, "C-FAX" ID. New one for us. Station #1400 for Shawn. [VAL-DX]
- 1080 **WRYT** IL, Edwardsville. 1/6 excellent. 1717 with adult standards, "Right Radio" promos. Loud for only 500 watts. [RS-MO]
- 1090 **KKYN**, TX, Plainview. 1/11 good o/u/KAAY. 1925 with "KKYN" ID. C&W music format. New one for us. [VAL-DX]
- 1140 **KSOO** SD, Sioux Falls. 1/13 briefly excellent. 1749 briefly local-like with promos for "Your Sports Voice, the Kevin McKenna Show at 5:35 pm on KSOO." Later ran spot asking for applications for a sales position at the station, giving studio address 2600 South Spring Avenue. New for me. [RS-MO]
- 1260 **WRIE** PA, Erie. 1/12 strong u/WNDE. 0209 with 50s, 60s music. Slow "WRIE" ID. Logged a WRIE on 1330 in 1987. [TML-IN]
- 1340 **WAGN** MI, Menominee, 1/12 fair in mess. 0955 with weather and WAGN" ID. New for us [VAL-DX]
- 1350 **KMAN** KS, Manhattan. 1/4 good. 0813 with "KMAN Sports Report" mentioning an autograph session for football players. New for me. KS#31. [SA-MB]
- 1400 **KBZZ** CO, LaJunta. 12/30 poor in mess. 0800 with possible sign on. Mentioned "Good Morning, this is KBZZ." New for me, CO#66. [SA-MB]
- 1440 **WZYX** TN, Cowan, 1/6 fair. 1745 with local sports program, spots for Winchester and Estill businesses. 1752 ID "WZYX 14-40 Cowan." New for me. [RS-MO]
- 1480 **KYOS** CA, Merced. 1/13 strong and alone. 0935 out of Paul Harvey with weather, local news. ID "News-Talk 14-80 KYOS." Not needed. [JcJ-MT]
- 1490 **CJPR** AB, Blairmore. 12/30 poor in mess. 0358 with "Crownsnest Radio CJPR" ID. New for me. AB#51. [SA-MB]
- 1500 **WDEE** MI, Reed City. 1/4 poor, mixing with unID. No sign of KSTP after 0850 today. 0905 with possible ABC News then sports. ID "1500 WD-double-E" then non-stop oldies. New for me, MI#72. [SA-MB]
- WMJL** KY, Marion. 1/4 poor, still no trace of KSTP. 1755 with weather report, "1500 WMJL" ID into SSB at 1759 then gone by 1800. Nothing else heard for next 20 minutes except XEAI. [SA-MB]

DX TESTS

- 720 **KUAI** HJ, Kauai. 1/12, frequency dead, very weak SAH mixed with noise from a couple of stations too weak to produce audio. WGN off at 0459. 0459-0610. The only possible tone was heard at 0551 (in null of WGN OC). WGN back on 0559. unID with talk faded up at 0605 in WGN null. [TMJ-IL]
- WMXY** GA, La Grange. 1/13. Tried for, but did not hear this DX Test. Should have made it here quite easy. Was it ran? [TML-IN]
- 920 **WKVA** PA, Lewistown, 1/4 strong mixing w/WBAA or WOKY. 0005 with TT, Code and voice ID with address weaker later. First logging of 1992. [TML-IN]
- 1320 **KXOL** OK, Clinton. 1/13. Tried for but did not hear 0130-0200 DX Test. [TML-IN]
- 1570 **KMYZ** OK, Tulsa. 1/6 weak u/WBEE, CFOR and CHLO. 0202 with code ID during special IRCA DX Test. Unneeded, first heard as KOLS (Pryor, OK) back in 1970. [TMJ-IL] +1/6 weak behind strong CHLO. 0112 with code ID. Caught "KMYZ" and some other characters, but very tough to make out what was sent. [TML-IN]

FREQUENCY CHECK

- 960 **KNEB** NE, Scottsbluff. 1/13. 0205 again heard TT at this time on 2nd Monday. KNEB has a scheduled F/C at this time. Looped west. Will give them a call next month if heard. [TML-IN]

unIDs

- 720 unID 1/12 poor mixing with CHTN and KDWN. 0410 with religious programming. No ID heard. WGN returned to the air at 0450.
- 840 unID 1/13. 0300 with mention of CBC, and "Music Radio Network." Nulled toward North Bay. Almost certain CHVR, North Bay, ON. Any help on this one? Note, WHAS had SP at this time. [TML-IN]

unID HELP

Mike Hardester of Jacksonville, NC offers some help for any who heard non-stop oldies on 720 while trying for the KUAI DX Test...CHTN of Charlottetown, PEI may be your unID. Mike also noted RJR with English male announcer with talk program also at that time. Thanks, Mike.

25 YEARS AGO

February 4, 1967 issue of DX Monitor...Garry Stoklas of El Cajon, CA logged KINY-800...Dallas McKenzie of Wellington, New Zealand logged and verified Radio London...J. 'dan' Sheedy of San Diego, CA was using a window screen as an antenna while his roof was under repair...Bill Nittler of Englewood, CO said his verie total was now 2250.

OPEN MIKE

Nature, to be commanded, must be obeyed. Shawn mentioned KSTP did return later that night. Congrats on logging those two 250 watt daytimers, Shawn! Just goes to show you have to be in the right place at the right time to get some of that rare DX! Shawn also said the DXpedition gang tried for the KUAI-720 DX Test after spending over two hours to put up a west beverage, but no luck. Randy mentioned he didn't hear the KUAI DX Test, did hear weak RJR Jamaica and even weaker talk (KDWN?). 73, John.

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Eastern DX Roundup

Ray Bauernhuber
141-12 243rd Street
Rosedale, NY 11422

- (MB-ON) Mike Brooker 99 Wychcrest Avenue, Toronto M6G 3X8, Ontario, Canada; Panasonic RF-2200, SONY-7600D.
- (MB-MA) Mike Brooker DXing at Kripalu Center for Yoga & Health, Lenox, MA; SONY-7600D
- (TF-CT) Tony Fitzherbert 356 Jackman Avenue, Fairfield, CT 06432; GE Superadio.
- (HH-MD) Hank Holbrook 407 Arundel Road, Fair Haven Cliffs, MD 20754; (1) = SP600 w/50' longwire; (2) = SP600 w/Colegrove loop; (3) = DX400 w/30' longwire.
- (LH-AL) Lynn Hollerman 514 Carrsbrook Road, Huntsville, AL 35803; DX440 + 70' longwire.
- (LLH-DX) Leonard L. Hyde DXing on Brush Mountain near Catawba, VA w/DX-440 and 800' wire NE/SW.
- (LLH-VA) Leonard L. Hyde DXing in Blacksburg, VA w/DX-440 and 2' box loop.
- (LLH-WV) Leonard L. Hyde Rt. 1 Box 28, Ballard, WV 24918 Philco-Ford car radio modified; DX-440 +2' box loop (homebrew)
- (MH-NC) Mike Hardester 3118 Gaitway Court, Jacksonville, NC 28546-6973; ICOM R-70 + Radio West Ferrite Loop.
- (TH-CA) Tim Hall 350 G St., No. F-1, Chula Vista, CA 91910
- (RW-CA) Robert Wien 1309 Dentwood Drive, San Jose, CA 95118
- (RCR-PA) Robert C. Ritchey 210 S. Walnut St. Martinsburg, PA 16662; GE Superadio II + longwire.
- (JDS-AL) J.D. Stephens 122 Brawley Drive, Owens Cross Roads, AL 35763; Panasonic RF-2600, SONY IC-2001, 75' longwire, Radio West loop.
- (WPT-DC) William P. Townshend 4500 Conn Ave, NW #90, Washington, DC 20008-4326; SONY ICF-2010.

- 530 CIAO ON, BRAMPTON 12/16 0117 GOOD this time w/SS sounding language but a little different to MY ears - Portuguese? [probably-ed]. (LLH-VA)
- 530 CIAO ON, BRAMPTON 12/9 2036 EE ancts for job training funded by Canadian Government; Italian program; clear steady signal here. (TF-CT)
- 540 WGTO FL, CYPRESS GARDENS 1/1 0114 GOOD w/ID by/m DJ and oldies. (WPT-DC)
- 540 WGTO FL, CYPRESS GARDENS 12/16 0110 FAIR in WRIC null w/"Cruisin' Oldies 54-WGTO" ... into "Hold Me Tight" by Johnny Nash. (LLH-VA)
- 560 CJKL ON, KIRKLAND LAKE 12/12 2143-2147 briefly atop w/c/w; promo for CJKL "Saturday Country" heard from 0700-1200...lost to WEAZ. (TF-CT)
- 560 WQAM FL, MIAMI 12/12 2120-2143 sports talk, ads for Sears, Inter American Car Rental; program was "The Miami Sports Exchange with Ed Kaplan", heard o/u WEAZ. (TF-CT)

560 WQAM FL, MIAMI 12/31 2151 w/mention of South Florida Radio; WFIL "auroraed out." (WPT-DC)

600 KSJB ND, JAMESTOWN 12/25 0711-0728 F-P o/CKYC & CKTB w/truckers wx on; Interstate Radio Network, spot for Miller Motors in Valley City, c/w mx. (MB-ON)

610 WIOD FL, MIAMI 12/31 2148 w/mention of Skysearch during talk show; WIP "auroraed out." (WPT-DC)

620 WSUN FL, ST. PETERSBURG 12/12 2205-2218 wx for Tampa Bay area (when I heard 82 degrees on the bay, I KNEW I wasn't listening to WVMT!!), "Info when you need it, country music when you want it, on 620-WSUN", lot's of c/w; never heard here before. (TF-CT)

630 WMFD NC, WILMINGTON 12/29 2346 WEAK u/WMAL in Washington; EZL mx, ID as "AM 630 WMFD" by/m ann, mixing w/WPRO in Providence. (RCR-PA)

630 WMFD NC, WILMINGTON 12/29 1535-1550 w/MYL programming, and promo as "Where all the great songs have gone - AM 6-30 - WMFD." Have heard this on other occasions, and no "Talk" format as per NRC LOG; semi-local. (MH-NC)

630 WLAP KY, LOUISVILLE 12/16 0125 POOR in mess w/rock mx; "AM 630 - WLAP." (LLH-VA)

630 WMAL DC, WASHINGTON 12/16 0126 FAIR w/neat, slow jazz, piano, vibes. "It's a Lazy Afternoon" by pianist Hank Jones and others. At 0130 ABC nx. (LLH-VA)

640 WFNC NC, FAYETTEVILLE 12/19 2359 in/out w/wx, at 0000 "WFNC - Fayetteville." Into NBC nx; Cuban, WGST, WJTZ all there too; solves my tentative logging from last week. (LLH-VA)

660 WESC SC, GREENVILLE 12/29 1555-1617 w/gospel and c/w mx; local wx and promos of both "Home Style Country 6-60" and "Country 6-60." WRM mod / severe from WFAN. (MH-NC)

670 WIEZ PA, LEWISTON 1/7 1628 GOOD w/rock mx on "Oldies 670, WIEZ." [you questioned the calls being heard as WIEV...I believe you had WIEZ-ed]. (LLH-DX)

680 WRKO MA, BOSTON 12/30 0347 mentions of Beantown, I-93 and lots of QRM. (LH-AL)

680 WODZ TN, MEMPHIS 12/30 0349 wx forecast, ID into c/w; QRM from WRKO. (LH-AL)

720 WGCR NC, PISGAH FOREST 1/1 1745 GOOD w/GOS mx, s/off by/m ann, mention of 10 kw and transmitter on Everett Rd., SSB. (RCR-PA)

750 WWAX PA, OLYPHANT 1/6 1700 GOOD w/BUS nx, s/off by/m ann, ID as "You've been listening to News Radio 750 WWAX AM 750"; owned and operated by MCP Group Ltd.; address given as Box 750, Olyphant, PA; returned at 0730; Whitney Houston SSB. (RCR-PA)

770 KPBC TX, IRVING 12/29 1813-1815 WEAK in WABC null w/gospel mx; heard "On AM 770, KPBC" mentioned; spot for a local theater production of the Christmas Shop. (JDS-AL)

780 WCKB NC, DUNN 1/1 1738 GOOD w/GOS mx, local ads, mention of Dunn and ID as "WCKB." (RCR-PA)

830 CFJR ON, BROCKVILLE 12/27 1700 FAIR w/"When I Need You" by Leo Sayer, ID as "Minus 5 degrees in Brockville on CFJR" into nx. (MB-MA)

830 WKTX OH, CORTLAND 1/6 1712 GOOD w/Hungarian mx, s/off by/m ann, mention of 1 kw, owned and operated by Nationality Broadcasting Network; instrumental SSB. (RCR-PA)

830 KBOA MO, KENNETT 1/6 1800 F-P ID by/m ann, mention of C-Quam stereo, wx by/f ann. (RCR-PA)

830 WADU LA, NORCO 1/7 1745 EXCELLENT w/beautiful mx; "WADU AM 830 - our music is great to do anything by!" (LH-DX)

830 KBOA MO, KENNETT 1/7 1749 in/out /wWADU; "Great Music in C-Quam Stereo on the 'Gentle Giant' - KBOA" ... into John Denver. (LLH-DX)

850 CKVL PQ, VERDUN 12/29 0106-0130 quite STRONG on loop w/Cajun mx, FF folk songs, lottery #s, hockey & football scores; "CKVL" jx; FF language programming. Not heard on the longwire. This is the first time I got enough for a report. (JDS-AL)

870 WECU NY, ITHACA 1/7 1705 "Newsradio for Central NY State." (LLH-DX)

890 KVOZ TX, LAREDO 12/29 2052-2100 STRONG in WLS null w/San Antonio Spurs bkb game. Local spots; ID at ToH as "San Antonio Spurs Basketball on the Mighty 890 KVOZ, Laredo." (JDS-AL)

910 WRNL VA, RICHMOND 1/2 0932-1000 w/local spots, and "XL-102" IDs [Mike: 102.1 WRXL is their //FM station-ed]; programming is both oldies (60s) and new rock. Fair to poor w/fading. (MH-NC)

930 WZNN NH, ROCHESTER 12/16 2155-2225 CNN Headline News feed; ad for Mita Office Supplies in Rochester; taped wx for NH and Southern Maine every 15 minutes; way over WPAT. (TF-CT)

940 WCPC MS, HOUSTON 12/20 1712 sports telephone talk, ad for Food World and Treasury Loans of Pawsawaki County; way atop. (TF-CT)

940 WINE CT, BROOKFIELD 12/28 1528 F-G w/ID as "Oldies Radio 940 WINE", winning lottery #s, local wx into "Joy to the World" (by Three Dog Night ... NOT the Christmas song, hi!). (MB-MA)

950 KXJK AR, FORREST CITY 12/29 1729-1732 FAIR w/spots for Crowley Ridge VO-TECH School, McDonald's, Harvest Foods...into Independence Bowl football game. (JDS-AL)

950 WQBE WV, CHARLESTON 12/27 1705 F-P w/local wx into Paul Harvey nx. (MB-MA)

970 WAVG KY, LOUISVILLE 12/21 2307 GOOD w/BBD mx; "WAVG - 970 AM" into "One O'Clock Jump" by Les Brown and His Band of Renown. (LLH-WV)

980 WYFN TN, NASHVILLE 12/29 2202-2230 STRONG when in but suffered from long, deep fades w/BBN News, orchestral Christmas mx; slogan as "Presenting the sounds of Christmas on AM 980, WYFN, Nashville" into "Unshackled" program. (JDS-AL)

1000 WTAK AL, HUNTSVILLE 12/29 1626-1703 on SSS w/rock mx of the 60s, local spots and ID/promo as "You're listening to Doctor ??? Electric Medicine Show on Huntsville's home of rock 'n' roll, AM One Thousand, WTAK." F-P o/u WLUP QRM + moderate/severe fading. State #47. YES!! (MH-NC)

1000 WKYB SC, HEMINGWAY 1/2 0900-0930 w/ID as "This is the all new WKYB, 1000 AM, Hemingway, SC.", and into UPI nx. program was "American Sunrise News", and while there were many spots/PSAs, none were locally oriented. Fair to poor with fading. (MH-NC)

1030 WYSL NY, AVON 12/25 0800 FAIR o/WBZ w/ID as "It's 8 o'clock from your hometown station Radio 1030 WYSL" into local wx mentioning Livingston County. (MB-ON)

1070 CHOK ON, SARNIA 12/30 0620 P-F u/dominant CBA with local wx, sports. (MB-MA)

1140 WRVA VA, RICHMOND 12/30 0340 "W-R-V-A, ?, alone with you" into c/w; electrical QRM. (LH-AL)

1150 WDEL DE, WILMINGTON 12/30 0405-0420 after scheduled DX Test. Local nx, "WDEL Color Radar Weather," and into Tom Snyder program at 0406. Fair w/unID co-frequency QRM. Previously heard & QSLd on 11/21/82...still nice to hear. (MH-NC)

1150 WJBO LA, BATON ROUGE 12/30 0309-0330 "The Best of King", nx at 0330, back to King program. Lots of QRM and some fades. (LH-AL)

1160 WMVI NY, MECHANICSVILLE 12/15 1635 at local strength w/MYL, ad for a furniture restoring firm on Route 9, interesting effect w/three MYL stations (WSKW, WOBM & WMVI) semi-regular on 1160 here. (TF-CT)

1160 WOBM NJ, LAKEWOOD TOWNSHIP 12/28 1715 EXCELLENT w/ID by f/ann. (WFT-DC)

1180 WMYT NC, CAROLINA BEACH 12/31 1704 GOOD w/end of religious program; s/off by/m ann, ID as "We're WMYT Mighty 1180 AM, signing off for the evening. Good night." No SSB. (RCR-PA)

1200 WCHB MI, TAYLOR 12/20 1655 tuned into preaching, a weak signal but enthusiastic young announcer IDing as "WCHB Taylor, Detroit"; was abruptly lost to WAGE; amazed to hear this extremely directional station here. (TF-CT)

1200 WBZY PA, NEW CASTLE 12/27 2104 end of AP Network Nx, local nx by/f ann, AP Network Sports at 2108, wx for the greater New Castle area at 2110, into rock mx and lost to WAGE at 2118. (TF-CT)

1210 WOGL PA, PHILADELPHIA 12/23 0223-0232 FAIR w/simo of their FM. Oldies mx, frequent slogans including "Oldies 98 WOGL, with one great back seat memory after another." Many jingles including "Doo Wop, Doo Wop, Oldies 98" and "Classic Oldies OGL FM." (JDS-AL)

1230 KBTM AR, JONESBORO 12/29 1755-1805 FAIR w/Sun Radio Network programming; local spots, UPI Radio News.

ID as "This Jonesboro's only 24 hour Newstalk station, KBM, AM 1250." Also a slogan of "KBTM Jonesboro...the Talk of the Town." (JDS-AL)

- 1230 WLVB CT, MANCHESTER 12/29 1610 SS mx and commercials; unusual here as WERI usually comes in u/regular WFAS here. (TF-CT)
- 1250 WTAE PA, PITTSBURGH 12/30 0042 FAIR w/WTAE Broadway Series Hotline promo, giving phone # 333 -6001, ID as "Newstalk 1250 WTAE" into "Best of King." (MB-MA)
- 1250 WKBL TN, COVINGTON 12/29 2159-2203 WEAK w/local spots, wx for Covington & vicinity, gospel mx and ID as "This is WKBL, Covington." (JDS-AL)
- 1260 WBUD NJ, TRENTON 12/15 1740 Sinatra mx, WBUD ID, AP Network Sports; at local strength after local WMMM s/off. (TF-CT)
- 1260 WRIE PA, ERIE 12/15 1747 w/rock oldies, "The Oldies Rock 'n' Roll Station"; strong signal and the verie indicated that the station is presently operating ND at about 65% of it's 5 kw power...so...get them now! (TF-CT)
- 1270 CFGT PQ, ALMA 12/27 0642 P-F w/no sign of WSPR in nearby Springfield; FF sports talk. (MB-MA)
- 1280 WSAT NC, SALISBURY 12/31 1733 F-G c/w mx; spot for a store in the Salisbury Mall; spot for CD store. (WPT-DC)
- 1290 WCCC CT, HARTFORD 12/31 0910 FAIR w/talk show on dentists and doctors with Aids; phone # 523-WCCC. (MB-MA)
- 1290 WJBR DE, WILMINGTON 12/15 1659 w/ID for 99.5; soft rock o/unID SS station. (TF-CT)
- 1290 WCHY GA, SAVANNAH 12/17 2050 c/w, IDs for "Y94-FM", WCHY ID at 2100, ABC News; and "Now more of your country favorites played back to back on Y-94-FM", followed by clustered c/w mx; atop for 30 minutes. (TF-CT)
- 1290 WIRL IL, PEORIA 12/24 1728 FAIR w/nx and ID by/f ann. (WPT-DC)
- 1310 WDOD TN, CHATTANOOGA 12/29 2353-0000 NOS mx, "WDOD Chattanooga" jx at 0000 into SNN nx; fading signal. (LH-AL)
- 1320 WJAS PA, PITTSBURGH 12/30 0011 F-G w/ID as "We're AM 1320 WJAS" into "Paper Roses" by Anita Bryant; other MYL tunes noted while looking for WCVR test which wasn't heard. (MB-MA)
- 1320 WICO MD, SALISBURY 1/3 1725 FAIR w/Sears ad, ID by/m ann as "This is AM 1320 WICO, Salisbury" into financial talk show. (RCR-PA)
- 1320 WQIK FL, JACKSONVILLE 12/30 0327-0329 & 0353 c/w, many IDs as "99-FM" or "FM-99", WQIK." Is this the FM station? [Yes -ed]. Lots of QRM. (LH-AL)
- 1330 KVOL LA, LAFAYETTE 12/14 1920-1940 FAIR w/no sign of WFBC. Oldies, several slogans including "Stereo 1330 KVOL." Kinko's Spot & promo for USL Ragin' Cajuns Basketball. (JDS-AL)

- 1340 KROS IA, CLINTON 12/30 0355 mentions of Des Moines, Willard Scott winter car care ad; heavy QRM. (LH-AL)
- 1350 WOYK PA, YORK 12/30 0905 F-P w/fading, end of Mutual nx, ID as "Country 1350 WOYK", wx, into c/w version of Dan Hill's "Sometimes When We Touch." (MB-MA)
- 1360 WVSJ NJ, VINELAND 12/16 1720 way atop w/"New Jersey Talk Radio, AM 1360, WVSJ, where Rush Limburg is heard every afternoon." Into talk and then lost to WDRC. (TF-CT)
- 1370 WFEA NH, MANCHESTER 12/28 0718 G-VG w/ID promo as "New Hampshire's original hit station, tell a friend about WFEA"; dominant here at night. (MB-MA)
- 1380 WNRI RI, WOOSOCKET 12/26 1709 F-G w/"WNRI Woonsocket" ID jx, local wx, into "Prime Time Larry" talk show. (MB-MA)
- 1410 WLTV AL, MOBILE 12/23 0010-0044 STRONG with Christmas mx, request line # given. Slogans = "The switch is on to the powerhouse of the Gulf Coast, WLTV, LOVE 1410" and "1410 WLTV, the sound of love for Mobile and the bay area." (JDS-AL)
- 1410 KQV PA, PITTSBURGH 12/30 0053 FAIR u/unID station running Larry King, w/"extended KQV forecast", local wx and usual all news format. (MB-MA)
- 1420 WHK OH, CLEVELAND 12/30 0130 FAIR o/semi-local nulled WBEA w/ID promo as "Where does Cleveland turn to for news?...Cleveland's own WHK." (MB-MA)
- 1450 WCTC NJ, NEW BRUNSWICK 12/30 1734-1737 GOOD until fade-out after 2 1/2 minutes, w/state nx, "WCTC news time is 5:34" ID, ad for Levinson - Axelrod Attorneys-at-Law, into "WCTC 24 hour traffic watch" report. (MB-MA)
- 1470 CHOW ON, WELLAND 12/27 0631 FAIR w/"CHOW Country" wx, sports. (MB-MA)
- 1480 WKND CT, WINDSOR 12/31 0855 FAIR w/state nx, ID as "1480 AM, WKND" into black gospel mx. (MB-MA)
- 1520 KACY LA, LAFAYETTE 12/21 0005-0025 quite STRONG w/no sign of KOMA w/NOS mx, frequent slogans & IDs including "AM 1520 KACY", "KAY-CEE (pronounced 'Casey') 1520" and other similar slogans. Quite strong for listed night power of 500 watts. Did someone leave the day pattern on? Lot's of LA stations this DX season. (JDS-AL)
- 1530 KXTD OK, WAGONER 12/28 2247-2301 VG in WCKY null w/Blockbuster Bowl football game, local spots for the Bottle Shop and Opie's House of Spirits (bet Otis visits there a lot!). (JDS-AL)
- 1550 CBE ON, WINDSOR 12/27 0651 POOR w/talk on University of Windsor Holiday H.S. bkb tournament. (MB-MA)
- 1550 WNTN MA, NEWTON 12/27 0703 FAIR w/ "WNTN 1550 AM" ID into winning lottery #s and local wx. (MB-MA)
- 1550 WARD PA, PITTSSTON 12/27 0706-0710 FAIR mixing w/WNTN; ad for Morton D. Poppler Insurance, ID as "WARD - Home Shopper Station", local wx, mention that "the weather happens every 10 minutes every day at WARD" into the home shopper program. (MB-MA)

1570 CFOR ON, ORILLIA 12/27 1718 FAIR w/ID as "Orillia's own 1570 - CFOR", ad for Movie Warehouse. (MB-MA)

1570 WFLR NY, DUNDEE 12/28 0705 F-P in dogfight with number of other stations w/local wx and ID as "WFLR news time is 7:05." (MB-MA)

1570 WTWB FL, AUBURNDALE 12/31 1645-1716 during SSS, w/gospel mx, nx, local spots, promo for Paul Harvey commentary (M-F at 0830, 1206 and "Rest of the Story" at 1506). ID as "You're listening to the very best in gospel music on WTWB, Auburndale." QRM moderate to severe het, and unID station w/orchestra mx. (MH-NC)

1580 WTKT KY, GEORGETOWN 12/31 1715-1720 s/off with Oldies rock (We Five), and into s/off announcement by m/ann: "WTKT-AM, 15-80, must now leave the air at this time. We invite you to tune to 103.3 FM for more great oldies. Have a good (night?) and thanks for listening to WTKT-AM, Georgetown / Lexington." Last station logged for 1991. (MH-NC)

1600 WJQI VA, CHESAPEAKE 12/14 1653 w/Christmas mx, mention of studio location in Virginia Beach and then lost to WWRL. (TF-CT)

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TENTATIVES & unID's

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740 WBAM (t) AL, MONTGOMERY 12/21 1800 GOOD w/Xmas mx. No nx at ToH; "Shop at home" sez Montgomery Chamber of Commerce. Listened for 1 1/2 hours and heard NOT ONE ID. At 1945 a block of ads ended and alarm went off over the air for 5 solid minutes before somebody put in another cart! Lost at 1950 to KRMG. TENTATIVE call is from 1973 almanac. [you heard WLWI - ed]. (LLH-WV)

780 unID AL, LINEVILLE 12/21 1730 GOOD with c/w, spot for Xmas supper at Delta Fire Dept. IDs as "95 Country." Heard call half a dozen times and heard it different each time! S/off at 1815. Caught City of License but three times call was given each time heard different! Last time thought it was WVPX. Need an almanac, BAD!!! [You heard WZZX which has a // FM station, WASZ, "95 Country"-ed]. (LH-WV)

1020 WRIX SC, ANDERSON 12/21 1715 signing off. I reported this a few weeks ago as WRAS. This time I heard it as WRIX and am confused. [as per the NRC AM LOG it is WRIX-ed]. (LLH-WV)

1080 unID 12/30 0351 w/pop mx, ads and "The Best of King," and signal faded out. (LH-AL)

1110 unID 12/30 0342 talk show, ads and back to show about money. Fair signal. Could this be WBT in Charlotte, NC? [It probably is WBT, Lynn: 50,000 watts w/talk format gets around -ed] (LH-AL)

1280 WBHI (t) ??? could have been WHVR in PA. [gonna be tough getting ID help on this with so little info -ed]. (LLH-DX)

1340 unID 12/30 0358 ABC nx, ad, ID as "W??? FM & AM, ?stown." (LH-AL)

1530 unID 12/29 0140-0157 someone testing w/country mx including "Some Guys Have All The Luck", "In the Story Of Love" and others. A couple of minutes of dead air between each song, sometimes stopping and starting again in mid-song. (JDS-AL)

1570 unID 12/31 1645-1716 o/u WTWB w/seemingly continuous orchestra mx. Although basically dominant 1658-1704, no noted break in mx noted. Loop NE/SW. Ideas? (MH-NC)

1620 unID Pirate 1/1 0140 PIRATE w/Joe Walsh song then shut down abruptly (maybe the FCC was breathing "hot hell" down the pirate's neck); Good signal. [Bill: see Hank Holbrook's logging in this issue -ed]. (WPT-DC)

1620 unID Pirate 1/4 1725 WEAK w/rap mx, ID by man as "WR ? R - 1620 AM", too much QRN. [I'll ID this one fer ya as WRMR in Monticello, NY - see Hank Holbrook's logging in this issue -ed]. (RCR-PA)

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DX TESTS, FREQUENCY CHECKS, TIS

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560 WGAN ME, PORTLAND 12/31 0000-0400 IRCA DX TEST... TENTATIVE w/code-like sounds at 0205 & 0305. Band unusually quiet for a weekday morning; taped report sent; if them would be ME #1. (JDS-AL)

560 WGAN ME, PORTLAND 12/31 IRCA DX TEST not heard due to WQAM/WFIL QRM. (WPT-DC)

820 WIQT NY, HORSEHEADS 12/23 0100-0115 IRCA DX TEST...TENTATIVE...heard someone on w/tones about every 3 or 4 minutes. Often switching abruptly to higher pitch tones. WBAP stronger than usual this evening. CHAM also stronger than usual underneath; gave up at 0115 when WBAP went into a mostly mx segment. (JDS-AL)

820 WIQT NY, HORSEHEADS 12/23 0104-0130 IRCA DX TEST Good on day pattern; copied on voice and code; no voice heard after 0115; After 0115 much weaker on night pattern. QRM from CHAM, WBAP + unIDs. (HH-MD-2)

920 WKVA PA, LEWISTOWN 1/5 0005-0030 NRC DX TEST heard short code ID including calls right at the start, then at the end, heard a voice anct mentioning 920 twice. (JDS-AL)

1150 WDEL DE, WILMINGTON 12/30 0330-0400 IRCA DX TEST tried for but not heard; too much KLRG. (JDS-AL)

1150 KWKY IA, DES MOINES 12/16 0110-0113 FAIR u/KLG w/voice ID as "This is KWKY, Des Moines, Iowa on the air for FREQUENCY CHECK", then tone. This seems to be a regular check on 3rd Monday. (JDS-AL)

1320 WCVR VT, RANDOLPH 12/30 0000-0500 IRCA DX TEST...TENTATIVE
... possible code at 0006 & 0207. Plenty of KXYZ &
KWHN. Taped report sent. (JDS-AL)

1320 WCVR VT, RANDOLPH 12/30 IRCA DX TEST not heard between 0330
- 0400 and 0425 - 0500. (MH-NC)

1320 WCVR VT, RANDOLPH 12/30 0105 IRCA DX TEST; something
unusual but unID - sounded like someone playing a
musical saw for 10 minutes or so. No IDs or code
heard. Mixing w/5 or 6 stations in GY like jumble.
Was this it? [I do not know, can anyone help?-ed].
(LLH-WV)

1320 WCVR VT, RANDOLPH 12/23 IRCA DX TEST not heard due to WJAS
QRM. (WPT-DC)

1410 WDOV DE, DOVER 12/16 0204-0305 IRCA DX TEST ...
TENTATIVE... heard 45-second tone but no code after top
of 0200 hour. Next hour heard tone again at same time
followed by some very weak bits of code, I'm pretty
sure. 1410 was clear here; taped report sent. If
confirmed, would be DE #1. (JDS-AL)

1460 WARV RI, WARWICK 12/23 IRCA DX TEST F-P with morse code ID.
(WPT-DC)

1570 KMYZ OK, PRYOR 1/6 0405-0451 IRCA DX TEST w/stn ID and
location in code. Also noted unID stn (KMYZ?)
w/instrumental segments of "Yankee Doodle." Very poor
overall, but identifiable! QRM from WTLK, CFOR, SS
station and talk show. (MH-NC)

1590 WARV RI, WARWICK 12/23 0336-0429 IRCA DX TEST heard some
TENTATIVE code several times but nothing definite until
0429 when a man's voice came up out of nowhere saying
"...thank everyone for making this test possible..." I
called the station and confirmed. New, RI #1. (JDS-
AL)

1590 WARV RI, WARWICK 12/23 0357-0430 IRCA DX TEST; rough
voice; a word now and then but pretty good on code.
Heavy QRM w/semi-local WJRO in Glen Burnie, MD. (BH-
MD-2)

1620 WNXX VA, VIRGINIA BEACH 1/7 1923 POOR but
589 readable. "This is Traveller's Advisory Station WNXX
589 serving the resort area of the city of
TIS Virginia Beach." "We invite you to stop by the
visitor's center on ?? St." Gave directions, hours and
a "Welcome to Virginia Beach" with m/f ancrs (There
you are Al!). (LLH-DX)

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PIRATES

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1620 WRMR NY, MONTICELLO 1/5 0000 POOR in QRN. w/mentions of
Monticello, "1620 kHz on
P the 170 meter band", "WRMR" (wonder if 850-OH
I knows their call is being used by a pirate?) "dropping
R carrier now to listen for a sister station." Gone at
A 0002; afterwards heard occ weak m/f voices but
T unreadable. This latter one probably Al's unID TIS.
E (LLH-WV)

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BEACONS

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- 1613 "NH" NJ, MONROEVILLE 12/25 1710-1731 FAIR w/some fading and QRM from C. Bcn. Anquilla on 1610 kHz CW IDs. Address: Norm Harbison, Jr., RR-2 Box 224, Monroeville, NJ 08343; 1/10 of a watt; operates from time to time. MEDFER BEACON. (HH-MD-1)
- 1639 RD MD, BERLIN 12/28 2150-2240 EXPERIMENTAL BEACON w/good to non-existent signal. Definitely a station to try for! Continuous CW IDs; taped report sent. Granted it isn't normal DX but for a (reported) 1 watt transmitter, the critter certainly gets out. Tried daytime (early/mid and near sunset) but not heard. Even if only on weekends, should make for an interesting log. (MH-NC)
- 1650 "RGQ" PA, BERWICK 12/21 0610 VERY WEAK. QSLd already...cute QSL card and they WANT reports! Address: Sheldon C. Cleaver, 427 W. 2nd Street, Berwick, PA 18603. Operates on 1/10 of a watt from 0600 - 0800 and 1800 - 0100. MEDFER BEACON w/all CW IDs and message. (HH-MD-1)

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HELP W/UNIDENTIFIED'S

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From Tim Hall: Both of LLH-WVs unIDs on 660 (12/28 Monitor) sound like WBLX - AL. The unID 1620 TIS from AM-VA (12/28 Monitor) is a TIS in Virginia Beach with calls WNNX 589 and has been widely reported since 3/91; it's also listed in the Almanac Updater 5.3.

From Robert Wien: LLH-WVs 660 unID is WBLX - AL; LLH-WV 1020 unID w/Gospel is either WRIX-SC or WJEP-Ga; LH-ALs unID on 1310 with c/w is either WORE-MA, WTIK-NC or WKDK-SC. Re. the 1310 WEEL tentative from LLH-WV - they are WDCT... you MAY have heard WTTL in Kentucky. LLH-WVs unID on 920 with USA net nx...the only USA net station I have listed is WGNN in IL but format listed as nx/variety, not gospel. LLH-WVs 1040 unID is possibly WSGH - NC...there is an I-85 running through town and it has a format of Gospel/UC; couldn't find anything else that fits.

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COMMENTS

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Thanks to this issues' reporters . Station information references are the M Street Radio Directory (1991) and the NRC AM Radio Log (1992). ALL IRCA DX TESTS are arranged by J.D. Stephens. Cash and/or stamp donations are gladly accepted by J.D. (all postage is out-of-pocket for JD). A hefty column this time; apologies for some of the older loggings but they were put on the back burner due to a lengthy bout with the flu. Until next time,
CONTINUED GOOD DX MY FRIENDS and 73 de Mr. B

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(LH-AL) Lynn Hollerman 514 Carrsbrook Road, Huntsville, AL
35803; DX440 + 70' longwire.

(MH-NC) Mike Hardester 3118 Gaitway Court, Jacksonville, NC
28546-6973; ICOM R-70 + Radio West Ferrite Loop.

(MH-NC-T) Mike Hardester 3118 Gaitway Court, Jacksonville, NC
28546-6973; GMC Sonoma Truck w/fender antenna.

(RCR-PA) Robert C. Ritchey 210 S. Walnut St. Martinsburg, PA
16662; GE Superadio II + longwire.

(JDS-AL) J.D. Stephens 122 Brawley Drive, Owens Cross Roads, AL
35763; Panasonic RF-2600, SONY IC-2001, 75' longwire,
Radio West loop.

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640 WOI IA, AMES 1/8 0101 WEAK, s/off by/m, mention of 5kw
daylight/lkw night power; ID as "640 WOI", no SSB. (RCR-
PA)

690 KGGF KS, COFFEYVILLE 1/13 0705-0720 w/KS State nx, local
spots, IDs...including a couple which sounded like "K G D
M" (FM? TV promo?). Fair to poor until 0720 when WPTF-680
splash wiped out the frequency. (MH-NC-T)

690 WVOK AL, BIRMINGHAM 1/14 1650-1717 w/oldies, local spot,
frequent IDs and into "Sports Talk 6-90" at 1700. Faded by
1717; QRM from WPDQ. (MH-NC-T)

720 CHTN PI, CHARLOTTETOWN 1/12 0414-0518 while checking for KUAI
test. Canned oldies (60s) program; various IDs/promos
after each record w/main one being "Classic hits coast to
coast." To live program at 0500 w/m ann. Good to fair
signal w/QRM frin RJR (Jamaica). (MH-NC)

740 CBL ON, TORONTO 1/12 1712-1721 wx report, ments of "in the
national capital" and "CBC Radio Network", into story
about terminally ill patient who wants to die. Strong
signal, little QRM from 730 local. (LH-AL)

800 WIMR NJ, CAMDEN 1/12 0535-0601 w/religious program ("live"),
gospel mx, promos as "Gospel 800", and, "Where The Master
Reigns." Very slight QRM from unID co-freq; no sign of
CKLW (SP?). Moderate QRM at 0600 w/s-on of WJAT. (MH-NC)

850 WHDH MA, BOSTON 1/9 1625 GOOD w/mention of afternoon lineup;
ID by/m as "850 WHDH" into talk show. (RCR-PA)

910 KLCN AR, BLYTHEVILLE 1/7 1804 FAIR w/local ad, wx, ID by/m as
"AM 910 KLCN" and "Searching for a station that everyone
from work can agree on? Give us a try, we're KLCN 910",
into rock mx. (RCR-PA)

1210 WDAO OH, DAYTON 1/7 1630 POOR Sheraton Broadcasting Network
sports, ID by/m w/lot's of echos and reverb, into rap mx.
(RCR-PA)

1350 WSMB LA, NEW ORLEANS 1/7 1840 GOOD w/Louisiana Sports Line
Show, traffic check., Betty White dogfood ad, local ad,
phone #561-8111, ID as "WSMB." (RCR-PA)

1360 WVSJ NJ, VINELAND 1/12 1800 FAIR w/promo for The Home Show, ID
by/m as "Talkradio 1360 WVSJ", into "Changed By The Word"
show. (RCR-PA)

1380 WYNK LA, BATON ROUGE 1/12 0537 DJ talking about playing country
favorites, into Tanya Tucker mx. Strong signal. (LH-AL)

1420 KXOW AR, HOT SPRINGS 1/13 2215 "More Stardust Memories Now
From 14-20 KXOW" into "Love is Blue" instrumental. Popped
up for ID then faded. (LH-AL)

- 1520 WVOI OH, TOLEDO 1/13 2243-2300 rap mx, DJ, more rap, then 2251 DJ w/"WVOI, it's 10:51...", more mx, then ad for job at radio station by DJ, Miracle Ear ad, lot's of QRM by 2300. (LH-AL)
- 1530 WRTP NC, DURHAM 1/12 1731 FAIR s/off by/m, owned and operated by WRTP Inc., studios at 3013 Guess Road, Durham; prayer by Mark Parker, program director, no SSB. (RCR-PA)
- 1540 WJJT TN, JELICO 1/9 1737 POOR w/TRN nx, local ads, mention of Jellico, ID by/m as "1540 WJJT", into c/w mx. (RCR-PA)
- 1570 WTLK NC, TAYLORSVILLE 1/9 1800 GOOD w/ID by/m as "1570 WTLK Taylorsville", into the audio portion of Channel 9 News. (RCR-PA)

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TENTATIVES & unID's

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- 1270 WKAM ?????? 1/13 2205-2213 "... best source for country oldies, W K(?) A(?) M(?) into c/w w/Bobby Sherman DJ. Heavy QRM. (LH-AL)
- 1420 WACK (t) NY, NEWARK 1/10 0010 POOR w/test tone, ID by man as "This is 1420 WACK, Newark, NY; this is 1420 WACK, Newark, NY testing" or something similar; TENTATIVE in a jumble of stations; no more heard after ID. (RCR-PA)
- 1430 WNWZ ??????? 1/12 0522-0526 "You're ?? with ?? on 14-30 Newsradio WNWZ", ments of "Sports Byline USA" show. Where is this station? [Germantown, TN - ed]. (LH-AL)
- 1530 unID 12/29 0140-0157 someone testing w/c/w mx including "Some Guys Have All The Luck", "In The Story Of Love", "Your Love Is A Miracle" and others. A couple of minutes of dead air between each, sometimes starting and stopping again in mid-song. (JDS-AL)

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DX TESTS, FREQUENCY CHECKS, TIS

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- 720 KUAI HI, ELLEELE not noted during scheduled IRCA DX TEST of 1/12 at 0500-0600. CHTN, RJR (Jamaica) and occ WGN only stations noted on frequency. (MH-NC)
- 720 KUAI HI, ELLEELE 1/12 0506-0532 IRCA DX TEST tones heard here at 0506, 0513, 0515, 0517, 0519, 0529 & 0531. I understand that the RTTY-like noises I heard about 0515 were likely KDWN in Las Vegas. (LH-AL)
- 720 WMXY GA, LA GRANGE 1/13 0200-0230 IRCA DX TEST another no-show. The CE had asked for a 30-minute tape of Code and March mx and the Post Office delivered the tape late. This will run February 3rd. (JDS-AL)
- 960 KNEB NE, SCOTTS BLUFF 1/13 0205-0210 TENTATIVE FREQUENCY CHECK fair w/1kHz tone. No voice announcements noted;

looped northwest; this fits F/C schedule and previous reports but since no ID noted, I feel I should report this as tentative. (JDS-AL)

- 1320 KXOL OK, CLINTON 1/13 0130-0200 IRCA DX TEST this one was a no-show because a winter storm made road conditions hazardous. This will run in March. (JDS-AL)
- 1570 KMYZ OK, TULSA 1/6 0101-0140 IRCA DX TEST many, many code IDs mentioning City and frequency. Also heard a voice announcement w/calls given phonetically. (JDS-AL)

QUIPS/QUOTES/unID HELP

FROM MIKE HARDESTER: Very interesting DX this past weekend! Ionospheric cx were "strange" to say the least. I first noted strange things on 11 Jan w/RJR, Jamaica, on 550 kHz booming in like a local ... on my truck radio! This was at a bit before 1900 local. A check of the AM band found the Caribbean "quiet", except for Cuba. Virtually all of the Jamaican stations were noted: 550; 580--720--770 all parallel; and 700 // 750. Normal "barometer" beacon MER - 1685 only at FAIR level.

COMMENTS

Thanks to this issue's reporters. Station information references are the **M Street Radio Directory** (1991) and the **NRC AM Radio Log** (1992). ALL IRCA DX TESTS are arranged by J.D. Stephens. Cash and/or stamp donations are gladly accepted by J.D since all postage to radio stations is out of pocket for him. Until next time, **CONTINUED GOOD DX MY FRIENDS** and 73 de Mr. B



Western DX Forum

★★★★

REID WHEELER 5910 BOULEVARD LOOP SE OLYMPIA WA 98501

Deadline: Each Saturday

[12]

Jim Hilliker, 1705 Withers Ave #12, Monterey, CA 93940-1569

(1/3/92; #2) KNRY-1240 is playing a tape on Sunday afternoons from KIEV-870 of Dick Sinclair's new Polka Party Show. It's on 9-10 a.m. in L.A. (Sundays). This program was on in the '60s on KFI-640 and on Channel 5 TV in Los Angeles for several years. There's a rumor that KNRY has a buyer. No details right now. Tim Hall - glad to see you caught KPPC-1240 while driving through the area. I verified them when I heard them midday on a Sunday in 1982 from Anaheim. Only heard them a night once, as I recall. I neglected to mention a letter I received from KPPC O.M. Bob Gourley in May of 1991. He says that the KPPC longwire and towers atop the Star-News building were taken down in the Fall of 1990. But, KPPC erected a new flattop wire antenna. It goes from the roof of the Pasadena Presbyterian Church to the top of a medical building in the northeast corner of the parking lot, behind the church. You can see it if you travel behind the church, since it's not really visible from Colorado Blvd. The antenna is new, but they use the old ground system at the Star-News and the church. Power still 250 watts and sign-off of KPPC is 0500 Eastern weekdays. Glad I got my sister to take a picture of the old longwire and towers and of the KGFJ-

1230 flattop a few years ago. Popular Communications magazine had a nice article on KFI's history in the January issue. Don't know where they got the pictures of the Buena Park 50 kw transmitter site built in 1931. It may have been from "RCA News", which KFI engineer Marvin Collins has a copy of from 1931 with an article about the then-new site. Mr. Collins told me the old 5,000 watt transmitter and flattop at 1000 S. Hope St. in L.A. was a backup transmitter til 1959. That's when the old water-cooled Xmtr was replaced with a Continental 317B and a 10 kw standby Xmtr. KFI had a flattop antenna from the Buena Park/LaMirada site until 1948, when it was replaced with the current 750-foot tower. Till next time, best of DX and 73.

Gary Larson, 2806 Lincoln, Burbank, CA 91504

(818) 972-2500/846-5540

(recd 1/13) Hello. Spoke to sales mgr of KPLS on 1/10 and was told the 13th, 8 AM Eastern time they are planning to be on. Some site problems at trans. caused a delay. Also found out an appeal was denied for tower site of 1500 here. Now this case goes before LA city council 1/29. Had a nice talk with Mike Reardon who told me of two call-in numbers for 950-XEKAM. These are 800-540-9526 and for LA area, 520-9500. Called bus.# and was told power daytime is 18 KW. Unknown what they put out at night. I do get them better now day & night. Also much programming is live at new studios on Sunset Blvd, L.A. fed to trans by satellite. Called NH, RW + MR to inform of the last minute info on KPLS going on. I'll plan to have two recorders set to 830 ready to go before 8 AM eastern. Called KPPC-1240 to speak with CE Fred Folmer to inquire where they transmit from. Appears old longwire with 2 support towers in Pasadena are gone. [see above Hilliker DXF-rcw] Was told to call back Mon. 1/13. Owner of KPPC is Douglas Broadcasting. Couple of nights ago on 1/10 I was by former KIEV-870 antenna site at Glendale & Broadway, Glendale and noticed both old towers now gone. Attempted to reach Mike Sanburn to notify him of 830 sign-on date but was unable to get a number. I've also been in touch with Duncan Shaw about changes here in radio. A regional paper here had a feature story on LA radio listing phone numbers, too - I noted most are request lines; confusing a bit if someone wants a certain business office but gets the anncr or personality instead. I see where 960-KZXY now dups their FM on 102.3. 73 this time around. [some minor rephrasing for clarity-rcw]

Duncan J. Shaw, 3560 S Hoover St #224, Los Angeles, CA 90007-3614

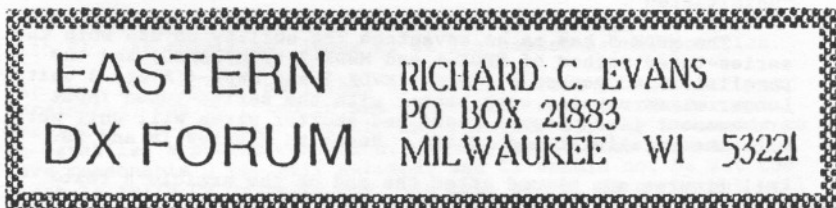
(213) 745-1587

(1/13/92) Happy New Year everyone! Got back Wednesday (1/8) to LA from San Francisco for the new school term. The mail included a shotgun loop from Ralph (thanks, Ralph!) and several veries - KCBS, KFBK, KABC and the DX test from KPAY, bringing my total to 9, but that's hopefully only the beginning. While in the Bay Area, I visited KAPX-1510 / KTID-100.7, where I held an internship in the news department last year. Two staff changes at the AM - legendary Al "Jazzbeaux" Collins, who held the 11am - 2pm shift, was let go, while Larry Ickies (spelling?), last at KEZY-FM in LA, was hired as program director. Jazzbeaux can still be heard in the Bay Area three days a week on KCSM-FM in San Mateo and KZST-FM in Santa Rosa. By now, absolutely EVERYONE has heard the Hooked on Phonics ads. Well, KGO is now running Hooked on Talk Radio promos ... all one has to do is dial any of their call-in lines. Looking forward to a cruise with my family February 21-24 from LA to Ensenada, BCN... hopefully some nice DX will be heard, but according to Tim Hall all the CA pests follow you right down to the tip of BCS! To answer Gary Jackson's request for info on antennas: I have used a Selec-a-Tenna from the C-Crane company in Fortuna, CA and works well w/my DX-440, & of course now the new shotgun. SoCalers - Is there a good radio doctor in the area? My DX-440 is acting up on the FM band. Please write or call. KPLS-830 signed on this morning (1/13) at 9:09 PLT, over four hours later than scheduled. This new station in running Spanish news & talk. All for now. 73's and good DX de DJS.

Randy Stewart, 4225 W La Casa, Springfield, MO 65802-5615

(recd 1/17) I haven't sent in a Forum for a while, so here we go. Recent veries in from KPRW-1140 (11/4 DX test); KTJS-1420 (11/4 DX test); WBT-1110 (QSL card - state #33 verified on BCB); WWNC-570 (just a coverage map & a hand-written note from CE Terry Shinn saying mine was his first report ever from MO); WARB-730; a nice QSL card from RJR (Jamaica)-720 for country no. 10 verified on BCB; and a v/I from CIAO-530. And I've surpassed 600 stations logged on BCB, so it's been a good season so far .. except for the recent round of DX tests .. tried for WCVR-1320 & WDEL-1150, but no go -- too much KXYZ on 1320 and too much KNED on 1150. WGAN-560 was impossible because of local KWTO .. and I just plain MISSED the WARB-1590 test! As for JUAI-720

on 1/12 .. I tried for it, but since I was battling the flu, it was all I could do to drag myself out of bed at 0455 to set the TRF to 720, point the loop E-W, put a C-90 tape into my NON-autoreverse deck, sit up 'til 0500 to start the tape, and totter back off to bed. If they came in past 0545 I wouldn't know about it .. all I have on my tape is a weak RJR w/Caribb-accent EE religion and even weaker EE talk under that I assume was KDWN .. did KJAI run any CW IDs between 0500 and 0545? I sure didn't hear any ... Oh, well -- there are still plenty of good tests during the next two months to shoot for! By the way, the CIAO v/l mentions their power on 530 as 1000w/250w, so '92 NRC Log is wrong (and their 790 tx runs 3kw/1kw). Also dead wrong in the '92 Log is the listing for my local KWTO-560, which they show as EZL format with slogan "JOY".. where do they get this stuff? KWTO's still TALK/INFO as they have been! And KIDS-1340 should be listed as a "KID" format; operates 0800-1400 ELT. 73.



Deadlines: Saturdays thru 3/14 Anniversary issue 2/29

It should be noted that IRCA is a BCB only club, and Forums and reports are expected to concentrate on BCB. In the past, I've let a lot of other things slip thru, but there's a limit. I've deleted one full report this time around which dealt with nothing by TV and a slight mention of FM. Nothing in it at all about BCB. Mentions of things (unless brief) other than BCB and the club are subject to being cut.--rce.

Karl J. Zuk, 154 Old Post Road North, Croton-on-Hudson, New York 10520 (continued from last week)...Until someone comes up with a reliable means of digital radio satellite transmission that can fulfill the needs of small communities, AM radio will be unique in what it can provide, especially over great distances. I really wish that the FCC had set aside at least one new frequency for low power non-commercial community use, say 1710 kHz, so the idea of broadcasting in the public interest could be resurrected. Broadcasting in the interest of the station owner's wallet seems to be the universal case, these days. Please note: The "mystery" TIS station on 1620 kHz is WNSX 589, operated by The City of Virginia Beach, VA with 10 watts into a 35 foot monopole antenna on Route 44, about eight miles from the ocean. Contact their announcer, Courtney Dyer, at 804-428-8000 for details. Happy trails and good DX! KZ.

Mike Hardester, 3118 Gaitway Court, Jacksonville, North Carolina 28546
GREETINGS! A very friendly v/l was received from Malcom (Mike) Holt, W4DCD, who is the owner/GM/CE of WKYB-1000 which is back on the air after being silent since March of last year. In his letter, he mentions having been an avid DXer who heard all the lower 48 states from his home in North Carolina. Also received stickers, CM and picture post card of the station. Like many, I look forward to my daily commute to/from work (in my case, an hour to go 8 miles), and have found an excellent way to pass the time: Commute DXing. Obviously, a car/truck with a shielded radio is best. For me, I'm off to work around 0630 and heading home around 1700. So, darkness does help. Anyway, you set your dial on a (local) "clear" frequency and see what pops up. GY frequencies are fun, but just about any open frequency will do for SRS or SSS. Nothing exotic heard, but it does help pass the time. All for now. Very 73 and Best of DX!

MWDX-5 Phasing Unit

Mark Connelly - WA1ION - 01 OCT 1991, updated 29 DEC 1991

The MWDX-5 phasing unit, like the earlier 'MWDX' models, is used to create a phase shift between the signal contributions from two longwire antennae in order to null a dominant station (or noise source) which interferes with co-channel or nearby-channel DX stations. After creating such a null, the (formerly-covered) desired DX station(s) may often be heard clearly. Unlike a loop having a bidirectional null, the phasing unit's null is of a single direction nature. Therefore, a station to the west can be nulled and signals from the east will be received well.

At the end of this article is a list of recommended reading material which includes previous phasing unit designs. These works will do much to introduce phasing unit principles to the "uninitiated".

The MWDX-5 has as an advantage the ability to use both the series-tuned method of MWDX-1 and MWDX-2 (/2A/2B/2C) and the parallel-tuned method of (Mini-)MWDX-3 and MWDX-4(A,etc.) units. Longer wires usually work better with the series-tuned input arrangement (less signal loss) and shorter wires will only work with the parallel-tuned scheme. Refer to Figures 1A and 1B.

<All figures are placed after the end of the article's text>

MWDX-5 incorporates the BBA-C broadband amplifier (as shown in my previous articles on the DCP-1 controller, RTL-1 loop and MWT-2 regenerative tuner). This amplifier has higher dynamic range than the BBA-B used on MWDX-4 style phasers. The older design BBA-B may be substituted for reduced battery drain; performance in rural areas will not differ greatly.

A plastic chassis box is used for MWDX-5. The big advantage to this is that the tuning capacitors can be "floated" from ground without any special insulating hardware. This keeps the size and cost of the unit reasonable. MWDX-5 has been designed with the essential features needed for medium-wave DXing. Two other members of the MWDX-5 "family" - the Mini-MWDX-5 and the Super-MWDX-5 - provide reduced and enhanced capabilities respectively. Separate articles will describe these units (not necessarily with complete construction details).

MWDX-5 Two Wire Phasing Procedure

Figures 2, 3, & 4 are the schematics of the MWDX-5. Please refer to them during this discussion of phasing procedure.

A desired effect of two-wire phasing is to receive stations in the opposite direction of the station to be nulled out: this is something a loop generally cannot do. Wires to be used should be at least 15m./50 ft. long. I have found that wires separated by 45 to 90 degrees work best at the shorter lengths (less than 50m./164 ft.). Layout of longer wires is less critical. Beverages can be in parallel or close to parallel; some have recommended that one be terminated and the other one floating; distance between two parallel Beverages should be at least 5m./16ft.

[See Table 8 for physical positioning of switches]

1.0 Phasing Steps (2-wire)

1.1 Set frequency-range switch S1 to the correct range for the frequency of operation (see Table 2). Set length switch S2 to Normal. Set Line 1 function switch S3 to Tuned; set Line 2 function switch S4 to Tuned. Null-mode switch S5 may be put in either position: it doesn't matter yet. Set amplifier switch S6 to Off.

1.2 Set Q-balance pot R1 to fully counterclockwise (CCW) = maximum resistance shunting C1. Set level pot R2 to fully CCW (maximum resistance arm to ground).

1.3 Connect longwire #1 to J1 and connect longwire #2 to J2. Connect earth ground, if available, to J3 or J4. Connect phaser's output (J5), via coaxial cable, to the input of the receiver to be used, or to a tunable preamp. between phaser and receiver. Connect a 9V battery to the J7 battery holder and plug P1 into J6, or connect the plug of an 8V to 15V DC power source to J6.

1.4 Tune Line 1 by peaking desired-frequency signal strength with C1. At this time, leave C1 at its peaked-signal position.

[At this time, other positions of length switch S2 (Short, Long, Terminated) can be tried to see if greater signal transfer is possible. Re-adjustment of C1, and possibly S1, may be needed to re-establish a peaked condition. In any event, the peak should have reasonable Q (be well defined) and C1 should not be set too close to fully CW or fully CCW. In most cases, S2 on Normal will provide good enough signal levels and reasonably sharp tuning not overly affected by differences in length between the two wires to be phased.]

1.5 Turn R1 to fully clockwise (CW). Tune Line 2 by peaking desired-frequency signal strength with C2. At this time, leave C2 at its peaked-signal position.

1.6 Set S5 to Null-a. Adjust R1 to search for a null of the dominant ("pest") station or noise. Try this again with S5 set to Null-b. Leave S5 on the position yielding the better-defined null (or if nulls were obtained both ways, put S5 on the position which gave a null with R1 set closer to its center position). Set R1 to the null-yielding position.

If a null was not found by adjusting R1, or if the final R1 setting is fully CW or fully CCW, do step 1.7 - otherwise skip to step 1.8a/b.

1.7 Adjust R1 so that the signal level observed with (S3 = Tuned & S4 = Off) is the same as that noted with (S3 = Off & S4 = Tuned). When this has been done, set both S3 and S4 to Tuned and then set S5 to the position (Null-a or Null-b) giving the greater reduction in signal level of the station to be nulled.

1.8a If R1 is at center, or CCW from center, adjust C1 then R1 alternately to improve the null until no further improvement can be accomplished. Then do the final null "touch-up" with an interactive adjustment of C2 and R1.

< OR >

1.8b If R1 is CW from center, adjust C2 then R1 alternately to improve the null until no further improvement can be accomplished. Then do the final null "touch-up" with an interactive adjustment of C1 and R1.

1.9 If more gain is required, set S6 to Amplifier On and adjust R2, as required, to prevent overloading / spurs. Slight re-adjustment of C1, R1, and C2 may be needed to get the best possible null.

This guide to two wire phasing is a starting point. Often it takes experience to get the correct "feel" for a given nulling situation: experience that will allow the minimum number of control manipulations and the quickest route to the desired null. If signal levels are considerably different between Antenna 1 and Antenna 2, nulling is likely to be more difficult. Using wires of comparable lengths tends to minimize this problem.

2.0 Phasing Steps (Loop vs. Wire)

NOTE: Loop must be equipped with a Q-spoiling pot of 25K or 50K across its parallel-tuned LC tank. This will be called the "loop pot" for the purpose of this procedure. A loop used in a phasing application is usually oriented for best directivity toward desired DX signals, whether or not that position reduces the "pest" station.

2.1 Set frequency-range switch S1 to the correct range for the frequency of operation (see Table 2). Set length switch S2 to Normal. Set Line 1 function switch S3 to Tuned; set Line 2 function switch S4 to Off. Null-mode switch S5 may be put in either position: it doesn't matter yet. Set amplifier switch S6 to Off.

2.2 Set Q-balance pot R1 to fully counterclockwise (CCW) = maximum resistance shunting C1. Set level pot R2 to fully CCW (maximum resistance arm to ground).

2.3 Connect longwire to J1 and connect the loop output to J2 (high) and J4 (ground). Connect earth ground, if available, to J3 or J4. Connect phaser's output (J5), via coaxial cable, to the input of the receiver to be used, or to an tunable preamp. between phaser and receiver. Connect a 9V battery to the J7 battery holder and plug P1 into J6, or connect the plug of a 8V to 15V DC power source to J6. Initially, turn off loop power.

2.4 Tune Line 1 by peaking desired-frequency signal strength with C1. At this time, leave C1 at its peaked-signal position.

2.5 Set S3 to Off. Set loop pot to maximum resistance position, set S4 to Bypass, turn loop power on, and peak the loop's output at the desired frequency.

2.6 Observe the strength of the dominant station (this is the signal from the loop). Then set S4 to Off and S3 to Tuned. Now the signal from the wire can be checked for strength.

2.7a If the signal from the wire exceeded that from the loop in Step 2.6, adjust R1 such that the strengths are closely matched (e. g. within 5 dB) if you compare observed strength (S3=Tuned/S4=Off) vs. (S3=Off/S4=Bypass) as done in Step 2.6.

<OR>

2.7b If the signal from the loop exceeded that from the wire in Step 2.6, adjust the loop pot so that the strengths are closely matched when you compare observed strength (S3=Tuned/ S4=Off) vs. (S3=Off/S4=Bypass) as done in Step 2.6.

2.8 Set S5 to Null-a (up); then set S5 to Null-b (down). Leave S5 on the position yielding the better null of the dominant ("pest") station or noise.

2.9a If R1 had been adjusted to equalize strengths (Step 2.7a), adjust R1 and the loop tuning capacitor alternately to improve the null until no further improvement can be accomplished. Then do the final null "touch-up" with an interactive adjustment

of C1 and R1.

< OR >

2.9b If the loop pot had been adjusted to equalize strengths (Step 2.7b), adjust the loop pot and C1 alternately to improve the null until no further improvement can be accomplished.

Then do the final null "touch-up" with an interactive adjustment of the loop tuning capacitor and the loop pot.

2.10 If more gain is required, set S6 to Amplifier On and adjust R2, as required, to prevent overloading / spurs. Touching up the loop's position may be done to get the best final null.

2.11 (NOTE) Different S2 length switch positions (other than Normal) may provide more efficient coupling and/or sharper tuning in some circumstances.

Table 1: MWDX-5 Controls and Input / Output Connectors

<u>Controls location</u>	<u>designation</u>	<u>operational description</u>	
top	C1	Line 1 tuning capacitor	
top	C2	Line 2 tuning capacitor	
top	R1	Q-balance pot	
top	R2	Output level pot	
top	S1	Bandswitch	
top	S2	Length (coupling) switch	
top	S3	Line 1 Function switch	
top	S4	Line 2 Function switch	
top	S5	Phase-reverse (Null A/B) switch	
top	S6	Amplifier on/off switch	

<u>Input / Output Connectors</u>			
<u>location</u>	<u>designation</u>	<u>operational description / connector type</u>	
left side	J1	Line 1 wire input	banana jack
left side	J2	Line 2 wire input	banana jack
left side	J3	earth ground input 1	banana jack
left side	J4	earth ground input 2	banana jack
right side	J5	RF output	BNC jack
right side	J6	B+ in	phono jack
right side	J7	9V battery holder	Keystone 1290

Table 2: S1 Bandswitch Settings Chart

(Ranges are usually a bit greater than those shown.)

S1 Position #	S1 Knob Pointer "o'clock"	Min. Freq. kHz	Max. Freq. kHz	Tank Inductor Values			
				"Main" L #	uH	"Tap" L #	uH
=	=====	====	====	===	====	===	====
[S2 on Short or Normal: Aerial < 60 m. / 200 ft.]							
1	10:30	400	590	L1/9	470	L5/13	100
2	11:30	590	830	L2/10	220	L6/14	47
3	12:30	830	1230	L3/11	100	L7/15	22
4	1:30	1230	1750	L4/12	47	L8/16	10
[S2 on Long or Terminated: Aerial > 30 m. / 100 ft.]							
1	10:30	750	1050	L1/9	470	L5/13	100
2	11:30	1050	1550	L2/10	220	L6/14	47
3	12:30	1550	1850	L3/11	100	L7/15	22
4	1:30	1850	2700	L4/12	47	L8/16	10

Building the MWDX-5 Phasing Unit

The documentation (schematics, assembly drawings, parts lists, hole lists, etc.) serves as the starting point. The following procedure should serve as an outline for the builder.

1. Gather all necessary parts (see parts lists to follow). Prepare work area with appropriate tools.
2. Drill out chassis box, in accordance with Table 3.
3. Assemble each of the two circuit card subassemblies, per references listed at the end of this article:
 - * TA1 Phase Reversing Transformer Card
 - * A1 BBA-C Broadband Amplifier Card
4. Mount each of the circuit cards at the hole locations noted in Table 3.
5. Install jacks, pots, and switches. Solder inductors onto S1 per Figure 3 and Tables 2 & 4.
6. Install wiring and other components per Figures 2,3,4,5 and Tables 1, 3-7. Install knobs on C1, C2, R1, R2, S1, and S2. Place labels near controls and jacks.
7. Follow Two-Wire Phasing Procedure or Loop-vs.-Wire Phasing Procedure steps previously given in this article.

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Table 3: MWDX-5 hole-drilling list

X = Horizontal distance, in inches, from the vertical centerline (VCL) on the side observed. Negative values of X are left of VCL, positive values of X are right of VCL.

Y = Vertical distance, in inches, from the bottom horizontal edge of the side observed.

D = Hole diameter in inches.

Hole loci are first marked on the box with a scribe and are then drilled with a .125" bit. Subsequently, as required, the holes are enlarged to the proper size by using progressively larger bits up to that corresponding to the final desired diameter.

Chassis Box = Radio Shack 270-224 (plastic): 7.5" X 4.25" X 2.25"
+++++

L E F T S I D E

Hole #	Comp. Desig.	Description	X	Y	D
1	J1	Line 1 RF in-red banana jack	-1.125	0.5	0.3125
2	J3	GND1 In - black banana jack	-0.375	0.5	0.3125
3	J4	GND2 In - black banana jack	0.375	0.5	0.3125
3	J2	Line 2 RF in-red banana jack	1.125	0.5	0.3125

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T O P S I D E

Mounting holes on C1 & C2 must be tapped to 6-32 thread.

Hole #	Comp. Desig.	Description	X	Y	D
1	C1	Line 1 Tuning Cap.-Mtg.H/W 1	-2.963	3.3125	0.144
2	C1	Line 1 Tuning Cap. - shaft	-2.5	3.0625	0.5
3	C1	Line 1 Tuning Cap.-Mtg.H/W 2	-2.037	3.3125	0.144
4	C2	Line 2 Tuning Cap.-Mtg.H/W 1	-2.963	1.5	0.144
5	C2	Line 2 Tuning Cap. - shaft	-2.5	1.25	0.5
6	C2	Line 2 Tuning Cap.-Mtg.H/W 2	-2.037	1.5	0.144
7	S1	Bandswitch - tab	-1.375	3.125	0.144
8	S1	Bandswitch - shaft	-0.875	3.125	0.375
9	S2	Length switch - tab	-1.375	1.125	0.144
10	S2	Length switch - shaft	-0.875	1.125	0.375
11	S3	Line 1 Function switch-shaft	0.5	1.0	0.25
12	S3	Line 1 Function switch- tab	0.5	0.75	0.144
13	S4	Line 2 Function switch-shaft	1.375	1.0	0.25
14	S4	Line 2 Function switch- tab	1.375	0.75	0.144
15	R1	Q-balance pot - tab	0.1875	2.375	0.144
16	R1	Q-balance pot - shaft	0.5	2.375	0.3125
17	R2	Output level pot. - tab	1.3125	2.375	0.144
18	R2	Output level pot. - shaft	1.625	2.375	0.3125
19	S6	Amplifier On/Off switch- tab	2.625	2.875	0.144
20	S6	Amplifier On/Off switch-shaft	2.625	2.625	0.25
21	S5	Null A/B switch - tab	2.625	2.125	0.144
22	S5	Null A/B switch - shaft	2.625	1.875	0.25
23	TA1	PhaseRev.TransformerCard-H/W1	2.125	1.0	0.125
24	TA1	PhaseRev.TransformerCard-H/W2	2.925	1.0	0.125

F R O N T S I D E

Hole #	Comp. Desig.	Description	X	Y	D
1	G1	grounding H/W - internal lug	-2.375	0.375	0.125
2	G2	grounding H/W - internal lug	2.375	0.375	0.125

R E A R S I D E

[Note: - (left) X of rear side is equiv. to + (right) X of top and front sides.]

Hole #	Comp. Desig.	Description	X	Y	D
1	A1	Broadband Amp. Card-H/W 3	-2.25	1.375	0.125
2	A1	Broadband Amp. Card-H/W 1	-2.25	0.375	0.125
3	A1	Broadband Amp. Card-H/W 4	-1.25	1.375	0.125
4	A1	Broadband Amp. Card-H/W 2	-1.25	0.375	0.125

R I G H T S I D E

Hole #	Comp. Desig.	Description	X	Y	D
1	J6	B+ input - phono jack	-1.0	0.5	0.25
2	J5	RF out - BNC jack	0.0	0.5	0.375
3	J7	battery holder - H/W 1	0.625	0.5	0.125
4	J7	battery holder - H/W 2	1.5	0.5	0.125

Table 4: "upper level" parts list

Vendor codes for this and subsequent parts lists:

- AE = Antique Electronics /688 W. First St.
/Tempe, AZ 85281
/Tel. 1-602-894-9503
- DK = Digi-Key /P. O. Box 677
/Thief River Falls, MN 56701-0677
/Tel. 1-800-344-4539
- MCL = Mini-Circuits Lab. / P. O. Box 350166
/ Brooklyn, NY 11235-0003
/Tel. 1-718-934-4500
- MOU = Mouser Electronics / 11433 Woodside Ave.
/ Santee, CA 92071
/Tel. 1-800-346-6873
- RS = Radio Shack / Many locations worldwide

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	-	chassis box	RS	270-224	1
2	A1	BBA-C broadband amp. card (refer to text)	MOU	45KN013	4
3	(for C1,C2,R1,R2)	knob	RS	274-416	2
4	(for S1,S2)	knob	RS	274-416	2
5	B1	9V alkaline battery	RS	23-553	1
6	C1,C2	variable cap., 10-365pF	AE	CV-235	2
7	C3,C4,C9	capacitor, 0.1 uF	RS	272-109	3
8	C5,C6	capacitor, 100 pF	MOU	21CB100	2
9	C7,C8	capacitor, 36 pF	MOU	21CB036	2
10	C10	capacitor, 0.001 uF	RS	272-126	1
11	J1,J2	red banana jack	RS	274-662	2
12	J3,J4	black banana jack	RS	274-662	2
13	J5	BNC jack	RS	278-105	1
14	J6	phono jack	RS	274-346	1
15	J7	battery holder (Keystone 1290)	MOU	534-1290	1
16	L1,L9	inductor, 470 uH	MOU	43LR474	2
17	L2,L10	inductor, 220 uH	MOU	43LR224	2
18	L3,L5,L11,L13	inductor, 100 uH	MOU	43LR104	4
19	L4,L6,L12,L14	inductor, 47 uH	MOU	43LR475	4
20	L7,L15	inductor, 22 uH	MOU	43LR225	2
21	L8,L16	inductor, 10 uH	MOU	43LR105	2
22	P1	phono plug	RS	274-339	1
23	R1	pot., 50K, linear	MOU	31CT405	1
24	R2	pot., 1K, linear	MOU	31CT301	1
25	R3,R4	resistor, 470 ohm	RS	271-1317	2
26	R5,R6	resistor, 100 ohm	RS	274-1311	2
27	R7,R8	resistor, 4.7 ohm	MOU	29SJ500-4.7	2
28	R9	resistor, 1 ohm	MOU	29SJ500-1.0	1
29	S1,S2	switch/6pole/4pos. rotary	MOU	10WR064	2
30	S3,S4	switch, DPDT, on-off-on	RS	275-620	2
31	S5	switch, DPDT, on-on toggle	RS	275-636	1
32	S6	switch, 3PDT, on-on toggle	MOU	10TC280	1
33	TA1	phase-rev. transformer (see Table 5)			1

Misc. items: hook-up wire, buss wire, solder, labels "AS REQUIRED"
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Table 5: TA1 phase-reversing transformer card parts list
See Table 4 for vendor codes.

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	-	perfboard(0.6"X1.2")	RS	276-1396 (cut)	1
2	H1,H2	screw, 4-40 X.25"	MOU	572-01880	2

3	H1,H2	spacer, 4-40 X .5"	MOU	534-1450C	2
4	H1	split lockwasher, #4	MOU	572-00649	1
5	H2	solder lug, #4	MOU	534-7311	1
6	P1-P4	flea-clip for .042 hole	MOU	574-T42-1/100	4
7	T1	RF transformer, 1:1	MCL	T1-6-X65	1

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Table 6: small hardware parts list
See Table 4 for vendor codes.

Note: Mounting hardware is supplied with the following components: J1, J2, J3, J4, J5, R1, R2, S1, S2, S3, S4, S5, S6. A lug is added to the normal J5 hardware. Also, hardware is required by the following component designators: A1, C1, C2, G1, G2, J7, and TA1.

Used on	Description/Value	Vendor	Vendor Stock #	QTY
J5(1)	solder lug, .375"ID	DK	ARF1068-ND	1
A1(4),G1(1), G2(1),J7(2),TA1(2)	screw, 4-40 X .25"	MOU	572-01880	10
C1(2),C2(2)	screw, 6-32 X .25"	MOU	572-01888	4
A1(4),TA1(2)	split lockwasher, #4	MOU	572-00649	6
C1(1),C2(1)	split lockwasher, #6	MOU	572-00650	2
C1(1),C2(1)	solder lug, #6	MOU	534-7312	2
G1(1),G2(1)	solder lug, #4	MOU	534-7311	2
G1(1),G2(1)	hex nut, 4-40	MOU	572-00486	2

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Table 7: wiring / component connections

Notes: I = insulated wire, approx. #22 AWG
B = bare solid (buss) wire

Lengths are maximum typical required amount; in actual practice, use the shortest length possible to minimize stray coupling.

Use "spaghetti" (slip-on insulation) on component leads of over 0.5", as required, to prevent shorting to other leads. In some cases, component leads may have to be lengthened by adding buss wire to them.

OUTSIDE BOX

wire #	From	To	Description
1	J7 + terminal pin	P1 plug - center pin	2" I
2	J7 - terminal pin	P1 plug - shield pin	2" I

[P1 connects to J6]

INSIDE BOX

wire #	From	To	Description
	[J1 = C3 side A]		
	[J2 = C4 side A]		
3	C3 side B	S3B "Bypass"	4" I
4	C4 side B	S4A "Tuned"	4" I
5	J3	J4	1" B
6	J4	G1 internal GND lug	2.5" I
7	G1 internal GND lug	G2 internal GND lug	5" B
	[Wire #7 is hereafter identified as GND BUSS.]		
8	C1 rotor (added lug)	S2B arm	4" I
9	C1 stator	jct. C5 side B/C7 side B	2" I
	[S2A "Normal" = C7 side A]		
	[S2A "Short" = C5 side A]		
10	C1 stator	S1A arm	3" I
11	C2 rotor (added lug)	S2D arm	3" I
12	C2 stator	jct. C6 side B/C8 side B	2" I
	[S2C "Normal" = C8 side A]		
	[S2C "Short" = C6 side A]		

13	S1C arm	jct. C6 side B/C8 side B	2" I
14	S1C arm	R1 CCW	3" I
15	S1A arm	R1 CW	3" I
16	S1B arm	S1D arm	1" I
17	S1B arm	R1 arm	3" I
	[S1A position 1	"S1 OUT#1" node	L1]
	[S1A position 2	"S1 OUT#1" node	L2]
	[S1A position 3	"S1 OUT#1" node	L3]
	[S1A position 4	"S1 OUT#1" node	L4]
	[S1B position 1	"S1 OUT#1" node	L5]
	[S1B position 2	"S1 OUT#1" node	L6]
	[S1B position 3	"S1 OUT#1" node	L7]
	[S1B position 4	"S1 OUT#1" node	L8]
	[S1C position 1	"S1 OUT#2" node	L9]
	[S1C position 2	"S1 OUT#2" node	L10]
	[S1C position 3	"S1 OUT#2" node	L11]
	[S1C position 4	"S1 OUT#2" node	L12]
	[S1D position 1	"S1 OUT#2" node	L13]
	[S1D position 2	"S1 OUT#2" node	L14]
	[S1D position 3	"S1 OUT#2" node	L15]
	[S1D position 4	"S1 OUT#2" node	L16]
18	"S1 OUT#1" node	S3B "Tuned"	3" I
19	"S1 OUT#2" node	S4B "Tuned"	4" I
20	R1 arm	GND BUSS	4" I
21	S2D "Short"	S2D "Normal"	0.5" B
22	S2D "Normal"	GND BUSS	1.5" I
23	S2D "Long"	S2D "Terminated"	1" I
24	S2C arm	S2D "Long"	2" I
25	S2B "Short"	S2B "Normal"	0.5" B
26	S2B "Normal"	GND BUSS	1" B
27	S2B "Long"	S2B "Terminated"	0.5" B
28	S2A arm	S2B "Terminated"	1" I
	[S2A "Terminated"	GND BUSS	R5]
	[S2C "Terminated"	GND BUSS	R6]
29	S2A arm	S3A arm	2" I
30	S2C arm	S4A arm	2.5" I
31	S3B "Bypass"	S3A "Tuned"	1" I
32	S3A "Bypass"	R3 side A	1" I
	[R3 side B = GND BUSS]		
33	S3B arm	R7 side A	2" I
	[R7 side B = R2 CCW]		
34	S4A "Tuned"	S4B "Bypass"	1" I
35	S4A "Bypass"	R4 side A	1" I
	[R4 side B = GND BUSS]		
36	S4B arm	TA1 in	2" I
37	R2 arm	S6A arm	1" I
38	R2 CW	GND BUSS	3" I
39	S5A "Null-a"	R8 side A	1.5" I
	[R8 side B = R2 CCW]		
40	S5A "Null-a"	S5B "Null-b"	1" I
41	S5A arm	TA1-out 'b'	2" I
42	S5B arm	TA1-out 'a'	2" I
43	S5A "Null-b"	S5B "Null-a"	1" I
44	S5B "Null-a"	TA1-GND pin	1" B
45	TA1 GND lug	G2 internal GND lug	2" I
46	S6A "Amplifier On"	A1-P1	2" I
	[S6A "Amplifier Off"	S6C "Amplifier Off"	C9]
47	S6B arm	A1-P3	2" I
48	S6B "Amplifier On"	C10 side A & R9 side A	3" I
	[C10 side B = J6 GND lug]		
	[R9 side B = J6 center pin]		
49	S6C arm	J5 center pin	2" I
50	S6C "Amplifier On"	A1-P5	2" I
51	A1 GND lug	J5 GND lug	4" I
52	J5 GND lug	J6 GND lug	1" B
53	J6 GND lug	G2 internal GND lug	2" I

Table 8: control orientation conventions

Ensure that components are mounted and wired in accordance with this table; align knob pointers to clock positions indicated. Orientations are as viewed from outside the chassis box assembly.

Side ====	Control =====	Orientation Conventions =====
top	C1	CCW = minimum C = maximum freq. = 9:00 CW = maximum C = minimum freq. = 3:00
top	C2	CCW = minimum C = maximum freq. = 9:00 CW = maximum C = minimum freq. = 3:00
top	R1	CCW = min. Q Line 2 / max. Q Line 1 = 7:00 CW = min. Q Line 1 / max. Q Line 2 = 5:00
top	R2	CCW = maximum output level = 7:00 CW = minimum output level = 5:00
top	S1	[see Table 2]
top	S2	"Short" = 10:30; "Normal" = 11:30; "Long" = 12:30; "Terminated" = 1:30
top	S3	"Tuned" = up; "Off" = middle; "Bypass" = down
top	S4	"Tuned" = up; "Off" = middle; "Bypass" = down
top	S5	"Null-a" = up; "Null-b" = down
top	S6	"Amplifier on" = up; "Amplifier off" = down

+++++

Supplementary Articles and Publications

Additional information on construction practices and DX-related circuit design may be obtained from the following:

(* = NRC / IRCA reprints)

The Beverage Antenna Handbook - Victor A. Mizek - 1987

The DCP-1 Dual Controller / Phaser - Mark Connelly - 30 JUL 1991 (phasing active, remotely-tuned antennae)

The RTL-1 Remotely-Tuned Loop - Mark Connelly - 03 JUL 1991
Includes schematic and parts list for BBA-C amplifier card.

LIL-3 - Dallas Lankford - APR 1991 (loop vs. wire phasing)

The MWT-2 Regenerative Tuner - Mark Connelly - 10 DEC 1990
(construction practices)

* **Phasing Unit Designs: Simple to Complex** - Mark Connelly - 20 MAR 1990 (discussion of phasing principles)

* **Micro-MWDX-4A Loop vs. Wire Phaser** - Mark Connelly - 15 MAR 1989 (loop vs. wire phasing principles)

* **LIL-1** - Dallas Lankford - 14 FEB 1989 (loop vs. wire)

* **Phase One** - Gerry Thomas - 1988 (a delay-line phasing unit)

* **MWDX-4 and Mini-MWDX-4 series Phasing Units** - Mark Connelly - 11 OCT 1985 (Includes schematic and parts list for TAI phase-reversing transformer card. Also shows BBA-B amp. card which may be used for A1 in place of BBA-C.)

- * **The Mini-MWDX-3: A Simple, Effective Phasing Unit** - Mark Connelly - 5 DEC 1984 (construction practices)

The following articles describe series-tuned phasers:

- * **MWDX-2B & MWDX-2C Phasers** - Mark Connelly - 11 FEB 1985
- * **The MWDX-2A Phasing Unit** - Mark Connelly - 25 JUN 1984
- * **The MWDX-2 Phasing Unit** - Mark Connelly - 10 JAN 1984
- * **Modular Phasing Systems** - Mark Connelly - 1983
- * **Amplified Phased Shortwires** - Mark Connelly - 1982
- * **Phasing Unit Construction & Use (MWDX-1)** - Mark Connelly - 23 NOV 1981
- * **Practical Phased Beverages** - Chuck Hutton - 1981

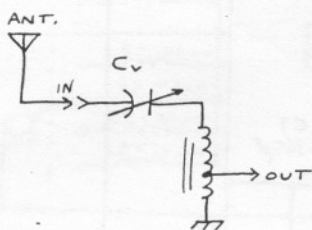
Some of the articles include further lists of reference material which may also be of value.

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NOTES

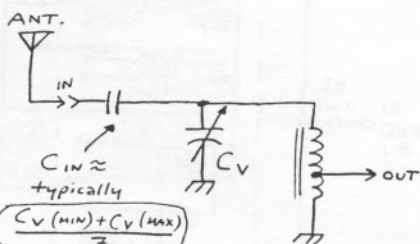
FIGURE 1: TUNING CONFIGURATIONS

1A: SERIES-TUNING



USED FOR LONGER WIRES

1B: PARALLEL-TUNING



e.g. 53 pF for
 $C_V = 10 - 365 \text{ pF}$

USED FOR SHORTER WIRES

FIGURE 5: PHYSICAL LOCATIONS OF ARMS OF ROTARY SWITCHES S1 & S2

NOTES: VIEW IS LOOKING INTO BOTTOM (BACK) OF BOX WITH COVER REMOVED. DESIGNATIONS IN PARENTHESES - E.G. (S1B) - ARE ON THE SWITCH WAFER CLOSER TO THE INNER SURFACE OF THE BOX, THOSE NOT IN PARENTHESES - E.G. S1A - ARE ON THE WAFER CLOSER TO THE VIEWER LOOKING INTO THE BOX WITH THE COVER REMOVED.

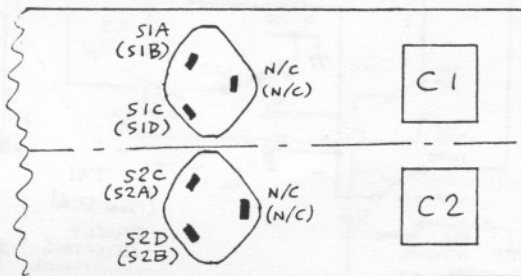


FIGURE 2 : INPUT SECTION OF MWDX-5 PHASER

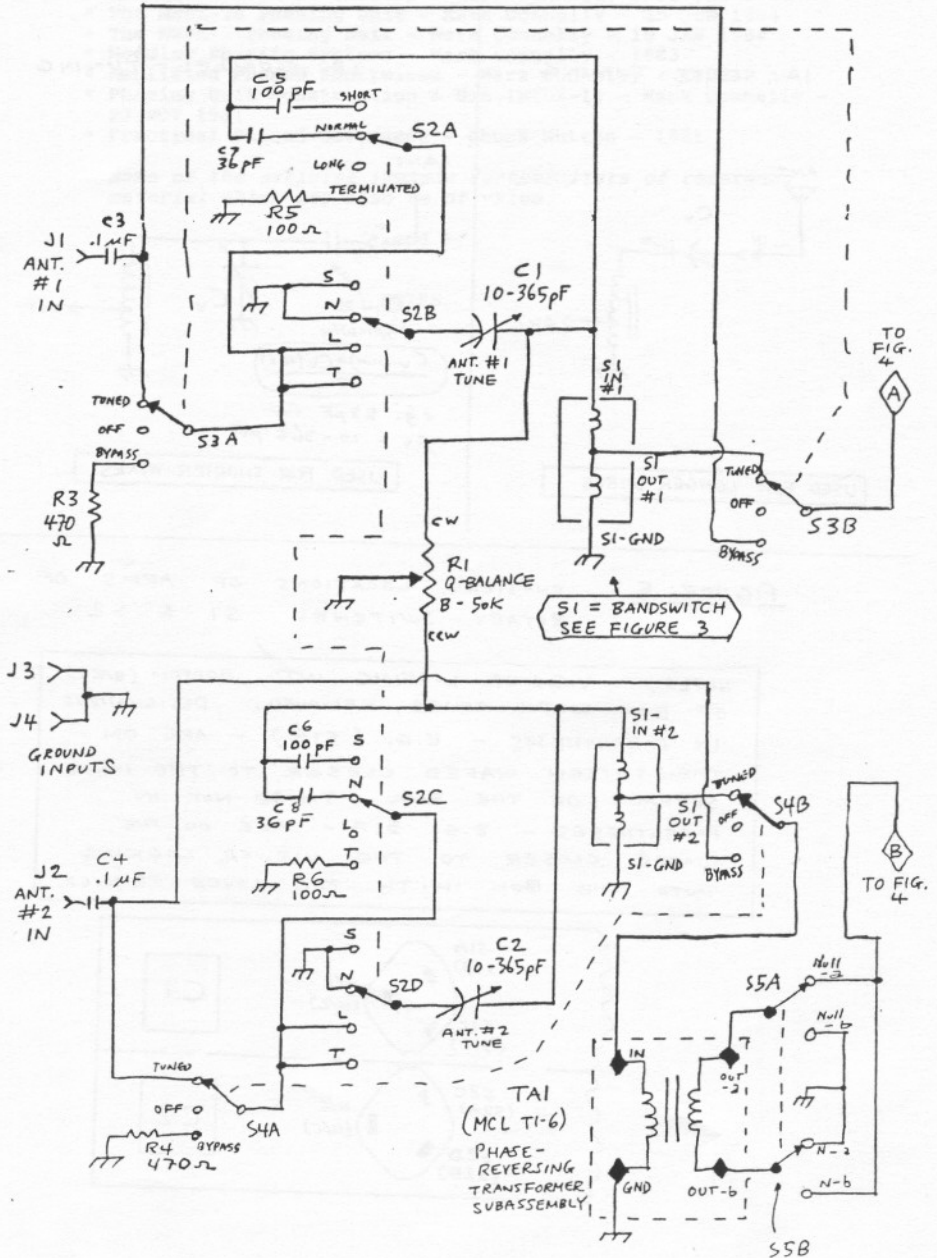


FIGURE 3 : S1 BANDSWITCH FOR MWDX-5
(FOR CONNECTIONS, REFER TO FIGURE 2)

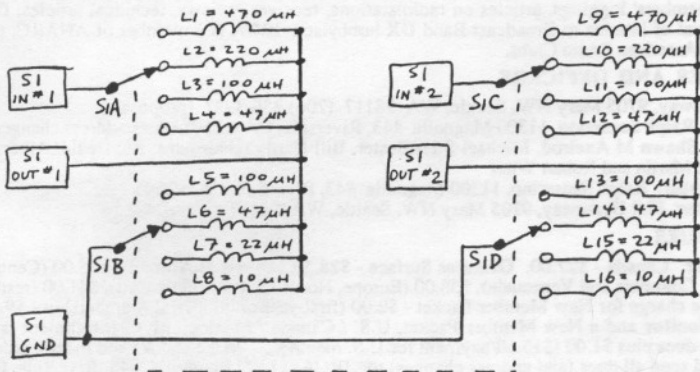
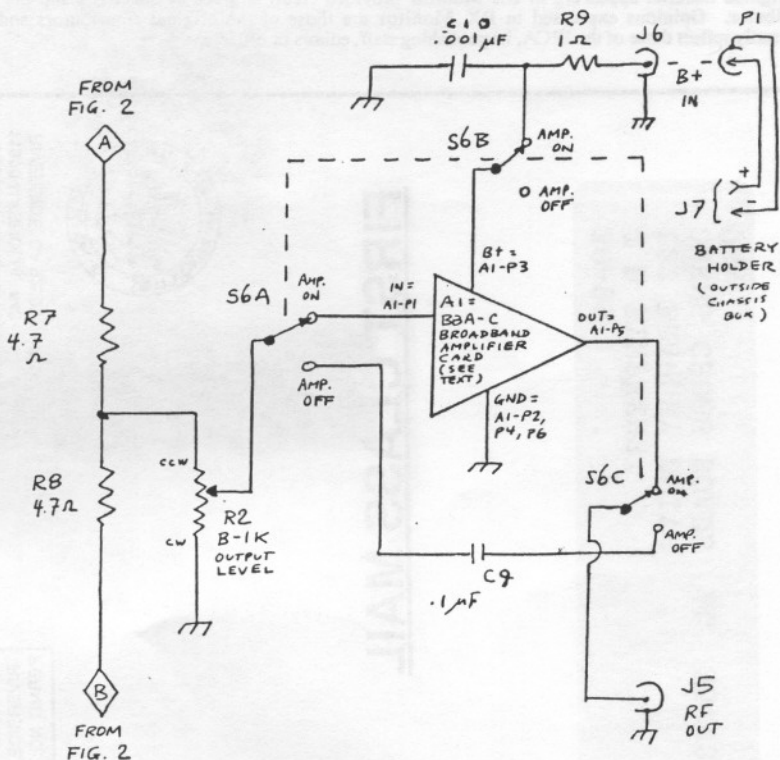


FIGURE 4 : OUTPUT SECTION OF MWDX-5 PHASER



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