

DX MONITOR

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OF THE



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RADIO CLUB
OF AMERICA

NOVEMBER 13, 1993 - VOLUME 31 - NUMBER 9 - EDITION 1000 - ISSN 0899-9732

THE IRCA HAS REACHED ANOTHER MILESTONE IN ITS HISTORY, THIS IS ISSUE NO. 1000. MAY THE IRCA HAVE ANOTHER 1000. GOOD LUCK TO THE IRCA & MEMBERS...

IN THIS ISSUE: IRCA AND NRC DX TEST..2, DX WORLDWIDE WEST..3, VERY NICE VERI..4, WESTERN DX ROUNDUP..5, CENTRAL DX ROUNDUP..8, EASTERN DX ROUNDUP..9, EASTERN DX FORUM..12, WESTERN DX FORUM..13, VERIFICATION SIGNERS..14, TECHNICAL: R-390A WON'T TURN OFF ??..15, IRCA AM-FM ALMANAC REPRINT AD..16, TECHNICAL: MWT-3 TUNER/CONTROLLER..17. BACK PAGE CLUB INFO.....

SPECIAL REQUEST: WMTS 810 kHz MURFREESBORO TN IS BROADCASTING 0545 PM TO 0100 AM EST EVERY NIGHT TILL NOV 15th USING A POWER OF 25 WATTS WITH A EXPERIMENTAL AUTHORIZATION FROM THE FCC. WMTS HAS RECEIVED INTERFERENCE COMPLAINTS FROM WGY SCHENECTADY NY. WHAT IS SO ODD IS THE FACT THAT MANY LOCAL LISTENERS CANNOT PICK UP WMTS AT NIGHT. THE STATION WANTS THE IRCA MEMBERS TO MONITOR 810 kHz AND REPORT IF THEY CAN RECEIVE OR NOT RECEIVE WMTS: ALL REPORTS GOES TO: MR BOB CORLEW WMTS PO BOX 860 MURFREESBORO TN 37133. THIS INFO FROM JD STEPHENS. THANKS JD. MAIL MR CORLEW A REPORT...

NEW MEMBERS: GEORGE HAMER, HERB VANDERBEEK, BRANDON JORDAN. **RENEWALS:** R C WATTS, DAVID LANOUE, NIGEL PIMBLETT, PAUL SWEARINGEN, TIMOTHY HALL, WEL COME NEW MEMBERS AND RENEWERS THANK YOU ALL VERY MUCH. WITHOUT YOU.....

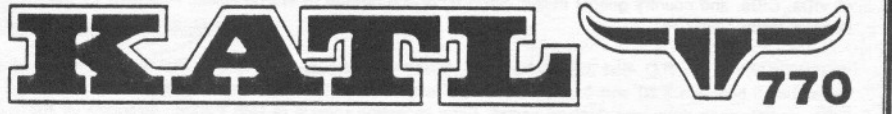
EDITORS/POSITIONS: THE IRCA HAS OPENINGS FOR A GRAVEYARD DX EDITOR, ELEC TION COMMITTEE CHAIRMAN, ANARC REPRESENTATIVE. BILL HARDY IS WAITING FOR YOU TO VOLUNTEER AT 2301 PACIFIC AVE ABERDEEN WA 98520. SEND A NOTE..

1994 CONVENTION: BILL HARDY IS WAITING FOR BIDS. GIVE HIM A BID.....

RL DRAKE: THE RL DRAKE COMPANY I HAVE HEARD HAS ANOTHER RECEIVER THAT WILL SHOW UP AT THE END OF DECEMBER. THE LITTLE BIRD SAID IT WILL COST LESS THAN THE R8 AND WILL NOT HAVE ALL OF THE FEATURES OF THE R8. I WILL KEEP YOU POSTED ON THIS, MORE INFO IS COMING.

THE IRCA ADDRESS LIST: A NEW ADDRESS LIST IS IN THE MAKING. A NICE IRCA MEMBER VOLUNTEERED TO TYPE THE LIST AND IT WILL BE AVAILABLE SOON IN A STATE SORTED OR LAST NAME SORTED FORMAT. THIS LIST WILL BE AVAILABLE BY SENDING A REQUEST TO: IRCA ADDRESS LIST PO BOX 70223 RIVERSIDE CA 92513-0223. THIS LIST WILL ALSO BE UPDATED FROM TIME TO TIME. I HOPE THIS WILL SUIT EVERYONE THIS TIME ROUND. 73 & GOOD DX FROM THE PUBLISHER.....

THE IRCA NEW NEW MEMBER PACKET: WE ARE WORKING ON THIS AND HOPE TO HAVE IT PUBLISHED BY THE FIRST OF THE YEAR. ALL MEMBERS ON THE NEW ADDRESS LIST WILL RECEIVE A COPY FREE. EVERYONE STAY CALM AND WE WILL GET THERE. THIS WILL BE A NICE PUBLICATION WITH LOTS OF INFORMATION FOR EVERYONE..



IRCA DX TEST BULLETIN

SATURDAY, NOVEMBER 20, 1993 - KWSU-1250, MURROW COMMUNICATIONS CENTER, WASHINGTON STATE UNIVERSITY, PULLMAN, WA 99164-2530 WILL CONDUCT A DX TEST BETWEEN 3:00 & 4:00 AM EST. THE TEST WILL INCLUDE MORSE CODE. RECEPTION REPORTS MAY BE SENT: MR. DENNIS HAARSAGER - GENERAL MANAGER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, NOVEMBER 22, 1993 - WFIF-1500, 90 KAY AVENUE, MILFORD, CT 06460 WILL CONDUCT A DX TEST BETWEEN 5:30 & 6:00 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES AND RELIGIOUS MUSIC. RECEPTION REPORTS MAY BE SENT: MR. WILLIAM BARNETT (NINKM) - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

SUNDAY, DECEMBER 5, 1993 - KXXY-1340, 101 NE 28TH, OKLAHOMA CITY, OK 73105 WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:30 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES, AND COUNTRY MUSIC. RECEPTION REPORTS MAY BE SENT: MR. BRITT LOCKHART - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, DECEMBER 6, 1993 - WAJR-1440, 1250 EARL L. CORE ROAD, MORGANTOWN, WV 26505-5896 WILL CONDUCT A DX TEST BETWEEN 12:00 & 4:00 AM EST. THE TEST WILL INCLUDE MORSE CODE, VOICE ID'S, AND COUNTRY MUSIC. RECEPTION REPORTS MAY BE SENT: MR. JIM MURPHY - DIRECTOR OF ENGINEERING. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, DECEMBER 6, 1993 - CKX-1150, 2940 VICTORIA AVENUE, BRANDON, MANITOBA R7A 6A5, CANADA WILL CONDUCT A DX TEST BETWEEN 3:00 & 3:30 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES, VOICE ID'S, AND COUNTRY MUSIC. RECEPTION REPORTS MAY BE SENT: MR. RON THOMPSON - TV METEOROLOGIST. POWER FOR THIS TEST WILL BE 50 KW OMNIDIRECTIONAL. (ARRANGED BY TOM BRYANT & J.D. STEPHENS FOR IRCA CPC)

MONDAY, DECEMBER 13, 1993 - WNEZ-910, 130 BIRDSEYE ROAD, FARMINGTON, CT 06032 WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:30 AM EST. THE TEST WILL INCLUDE MORSE CODE AND VOICE ID'S. RECEPTION REPORTS MAY BE SENT: MR. BOBBY GRAY (KAIZHH) - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, DECEMBER 20, 1993 - WDAS-1480, BELMONT AVENUE & EDGELY DRIVE, PHILADELPHIA, PA 19131 WILL CONDUCT A DX TEST BETWEEN 1:00 & 2:00 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES, AND BLACK GOSPEL MUSIC. FROM 1:00 TO 1:30 AM, POWER WILL BE 5 KW, THEN SWITCH TO A POWER OF 1 KW FROM 1:30 TO 2:00 AM. RECEPTION REPORTS MAY BE SENT: MR. WILLIAM R. SULLIVAN - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, DECEMBER 20, 1993 - KWNC-1370, P.O. BOX 607, QUINCY, WA 98848-0607 WILL CONDUCT A DX TEST BETWEEN 3:00 & 3:30 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES, AND "CLASSIC" MUSIC. RECEPTION REPORTS MAY BE SENT: MR. DONALD LOCKWOOD - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, DECEMBER 27, 1993 - KVON-1440, 1124 FOSTER ROAD, NAPA, CA 94558 WILL REPEAT A DX TEST WHICH RAN IN OCTOBER BETWEEN 3:00 & 3:30 AM EST. THE TEST WILL INCLUDE MORSE CODE AND TONES. RECEPTION REPORTS MAY BE SENT: MR. MICHAEL MARTINDALE (KB6RQH) - DIRECTOR OF ENGINEERING. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

National Radio Club DX TESTS

WILY-1210 302 S. Poplar, P.O. Box 528, Centralia, IL 62801 will conduct a DX test on Sunday morning, November 21 between 2:30 and 3:00am EST. The test will consist of Beatles music, CIDs, and VIDs. Send reception reports to Mr. Eric C. Decker. Arranged by the National Radio Club CPC.

KCCS-1220 4303 Market Street NE, Salem, OR 97301 will conduct a DX test on Monday morning, November 22 between 3:00 and 9:00am EST. The test will consist of their regular Christian music format with morse code IDs. Send reports to Mr. Dan Sheets. Arranged by the National Radio Club CPC.

WJSM-1110 Route 2 Box 87, Martinsburg, PA 16662 will conduct a DX test on Saturday morning, December 11 between 12:00 and 1:00am EST. The test will be run at 1000 watts and consist of VIDs, CIDs, and country gospel music. Send reception reports to WJSM Radio. Arranged by the National Radio Club CPC.

WGEA-1150 P.O. Box 339, Geneva, AL 36340 will conduct a DX test on Sunday morning, December 5 between 2:30 and 3:00am EST. The test will be run at 1000 watts and consist of VIDs, CIDs, and German party and drinking songs. Send reception reports to Doc Parker. Arranged by the National Radio Club CPC.



PAT MARTIN P.O. BOX 843 SEASIDE. OR 97138

DX Worldwide - West

Time: UTC phone (503) 861-3185

DEADLINE: MONDAYS

DX has dropped off here lately after a strong solar storm about a week ago. I just extended my NNW Beverage to about 2000 feet and reterminated it. Now if CX improve so I can test it out. Probably in the next week or so, I should be getting an very interesting report from John Bryant in Stillwater Oklahoma. He heard both TAs and TPs along with Caribbean stuff. We are looking forward to that report. Also a report should be forthcoming from Nick Hall-Patch on his DXpedition to the Jordan River, B.C. area. We have a nice LA report this week from Tim Hall. Welcome back Tim. So on with reports:

PAN-AMERICAN DX ROUNDUP

- 535 TURKS AND CAICOS, Radio Vision Christiana International-10/20 at 2330, Good signals-Rel. mx or preaching all in SS however ID at 0001 was in EE "Broadcasting from Paterson New Jersey by satellite to the World, this is WWRV-New York 1330 AM with Radio Vision Christiana International 530 AM South Caicos Turks and Caicos Islands British West Indies" Cannot get clearer than that! Moved to 535 from 530!!! (SA-MB)
+Also hrd "WWRV" 10/17 0901 Full ID by man still announcing 530 KHZ but has moved to 535. Thx to KAZ for the tip. New (TRH-CA)
+Also hrd as a regular here about every night. This isn't going to be DX. Good with EE IDs and SS preaching. (PM-OR)
- 540 MEXICO, S.L.P.-XEWA-good with ID at 0730 on 10/30 (PM-OR)
- 930 MEXICO, Fresnillo-XEQS-10/10 0930 Fair on car rx w/IDs KRTH testing at the time. Ex 980, not sure how to court this as I have previously logged XEIH on this freq. before they moved to 770 (TRH)
- 1040 MEXICO, Chihuahua-XEHES-10/6 0753 Fair-good through KURS. (KURS/KSON are my closest non-TIS locals) with full ID, mixing with Radio WHO (TRH-CA)
- 1360 MEXICO, Chihuahua-XEDI 10/4 0800-Poor-fair through local KPOP with ID, seems to be using new slogan "La Pantera" as listed. KIWA loop can occ. cut through previously unnullable KPOP. (TRH-CA)
- 1500 VENEZUELA, Cumana-YVRZ-MM 10/11 0623 Fair-good way o/KSTP w/LA mx GMT-4 TCs tons of "Dos Mil" slogans. Almost alone on channel. Was trying for Anaheim TIS! Noted every night since. New YV #3 (TRH-CA) (Good catch Tim,PM)
- 1590 MEXICO, Cd. Delicias/Meoqui XEJK MM 10/11 0730 Huge w/ACIR net ID KOGO currently off the air. (TRH-CA)

TRANS-PACIFIC DX ROUNDUP

- 738 UNID, moderately strong, looping SW at 1159 10/25. Couldn't ID language. Voice mod in relation to carrier was pretty good, better than what Tahiti used to be. Faded at hr. (LG-MT)
- 774 JAPAN, Akita-JOUB-strong at 1200 on 10/25 (GVJ-CA)
- 828 JAPAN, Osaka-JOBB-strong at 1215 10/25 (GVJ-CA)
- 972 SOUTH KOREA, poor w/man talking, awful mess on freq 1230 10/25 (GVJ)
- 1053 SOUTH KOREA, jammer-1330, strong S9/20 DB (GVJ-CA)

SOMEWHERE IN THE WORLD

- 1681 UNID (Approx. freq.) Assumed beacon with code ID "N" around 1201 10/21. (LG-MT)

3

In a phone call tonight (11/1) from Larry Godwin. Mike Hardester-NC IDED Larrys UNID beacon "PCH" on 1616 KHZ from 10/18 at 0245 UTC as coming from IJMVIDEN, THE NETHERLANDS!!! Great catch Larry.

THANKS TO THESE REPORTERS

SA-MB SHAWN AXELROD-30 BECONTREE BAY-WINNIPEG MB R2N 2X9 CANADA
Icom R70, 4 foot box loop, GE Superadio

LG-MT LARRY GODWIN-2390 CLYDES DALE LANE-MISSOULA MT 59801
Hammarlund HQ-150, Sanserino air-core box loop

TRH-CA TIM HALL-350 G STREET #F-1-CHULA VISTA, CA 91910-4559
Sony ICF-2010, KIWA Loop

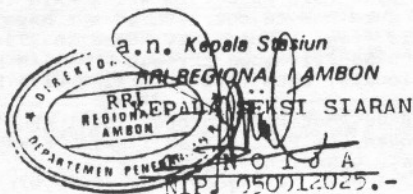
GVJ-CA GARY JACKSON-7735 CENTER PARKWAY-SACRAMENTO CA 95823

PM-OR YOUR EDITOR
Drake R8, Hammarlund SP-600-JX17, Term. 1500' E. Bev, Term. 2000'
NNW Beverage, Term. 200' SW wire, Ground system, TUN4 Pre. Phasing
unit.

QSL VERIFICATION

RADIO REPUBLIK INDONESIA STASIUN REGIONAL I AMBON _____
Kepada Yth. Tuan Mr. Patrick Martin
Kami membenarkan laporan Tuan dari Radio Republik Indonesia AMBON
sieran pada Gelombang 416,66 meter, atau frekwensi 720 Khz,
pada tgl. 29 June 1992 dari 22,55 sampai _____
waktu Indonesia Timur. Pemancar kami berkekuatan 10 Kw.
Banyak terima kasih atas laporan Tuan.

Ambon, 1 April 1993



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IRCA Reprints

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WESTERN DX ROUNDUP

Nancy Hardy
2301 Pacific Avenue
Aberdeen, WA 98520-4527

★PRODIGY
FMFT21B

DEADLINES FOR WDXR TIPS: EACH MONDAY. PLEASE USE EASTERN TIME.

REPORTERS FOR THIS ISSUE:

- (LG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59801
Hammarlund HQ-150, Sanserino air-core box loop, KIWA loop
- (TRH) Tim Hall-350 G St. #F-1-Chula Vista, CA 91910
Sony ICF-2010, KIWA loop
(TRH-CAL) Driving between San Diego & Morro Bay, CA
Delco car radio
- (GJ) Gary Jackson-7735 Center Parkway-Sacramento, CA 95823
- (PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138
Drake 8, 2000' term. NNW Bev., 1500' term. E Bev., 200' wire
term., ground system, phaser
- (SW) Stan Weisbeck-411 E. Sinto #203-Spokane, WA 99202
Sony ICF-2010, KIWA loop
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio, GE long-range portable, SM-2

OF SPECIAL INTEREST

- 630 KHII CO, Denver 10/25 0323 solid on top of KOH for at least 15 min. with financial talk show, ID "K-High, Denver Talkradio." Call change, ex-KHOW. (RW-CA)
- 680 KHKR MT, East Helena ex-KVCM, 10/22 2254 under KNBR with ID "Newsradio 680." Call ID at 2400. In again at 10/23 1000 with simple ID "This is KHKR, Helena." Per call to station, schedule now 0800-0200 EDT, so obviously no longer daytime only. (LG-MT)
- 1550 KVAN WA, Vancouver back on the air 10/25 with "Clark County's information station," news & talk format. First day back on. Lots of Vancouver spots - Shakey's Pizza, etc. (PM-OR)
- *****
- 530 TIS CA, Oakland Coliseum 10/18 2130 strong, then mixing with Martinez, and several other TIS's on the frequency, in Turlock on car radio. (GJ-CA)
- CKHL AB, High Level 10/24 good o/u Astoria TIS, with rock music // CKYL-610, ID for both at 2330. (PM-OR)
- 550 KFYZ ND, Bismarck 10/6 0411 good, promoting Friday night high school football, then into music. (SW-WA)
- 560 CHTK BC, Prince Rupert 10/24 2345 on top with Oldies Coast to Coast, local break. (PM-OR)
- 570 CKWL BC, Williams Lake 10/24 2358 good on top of frequency with C&W music // 920. (PM-OR)
- 600 KSJB ND, Jamestown 10/25 0837 amazingly good over KKLQ/CHRX/KHTE with Paul Harvey, ABC-I news, then ND cattle report. (RW-CA)
- 620 KSTR CO, Grand Junction 10/26 0904 ID as "Newstalk radio 620, KSTR." (LG-MT)
- CKCK SK, Regina 10/23 0905 with SK weather then recorded ID "Minot, you're listening to all oldies, 620, CKCK." (LG-MT)
- 630 KHOW CO, Denver 10/19 0530 weak with "KHOW-AM, Denver's Talkradio." (SW-WA)
- 680 CJOB MB, Winnipeg 10/23 0900 under KNBR. Ended Elton John tune and man said "This is CJOB, 680, Winnipeg." (LG-MT)
- 760 KRZN CO, Thornton 10/18 0830 fair with MOR music in KFMB null. (SW-WA)

5

- 830 KUYO WY, Evansville 10/25 2000 relig. programming, heard signing off, promoted watching Casper's Channel 13, good clear signal. (SW-WA)
- 840 KWPB NE, West Point 10/25 0826 fair, mixing with KVEG/CJXX, "Nebraska livestock report brought to you by Farmers State Bank of Dodge," into Paul Harvey at 0830. First time heard. (SW-WA)
- 860 KVVA AZ, Phoenix 10/6 0415 fair through local XEMO. Had never been able to put a dent in XEMO before. (TRH-CA)
- 890 KBBI AK, Homer 10/24 2350 good mixing with CJDC, with jazz. (PM)
WLS IL, Chicago 10/19 0100 fair, mixing with CJDC, news-talk format. (SW-WA)
- 900 CKBI SK, Prince Albert 10/11 0443 local ads for Prince Albert, weak, hadn't heard them in many years. (SW-WA)
- 920 CKCQ BC, Quesnel 10/24 2359 good over all with C&W // 570. (PM)
- 930 KTKN AK, Ketchikan 10/26 1030 good with Alaska weather & Alacom spot. (PM-OR)
- *KRTH* CA, Los Angeles 10/10 0500 testing with OC, tones, SPLAT! XEOS (ex-980) noted in their absence. (TRH-CA1)
- KSEI ID, Pocatello 10/23 0410 mixing with CJCA & suffering splatter from KXLY-920. (SW-WA)
- 1020 CKVH AB, High Prairie 10/25 0120 good with "All hit country CKVH" ID's. (PM-OR)
- 1060 KPAY CA, Chico 10/27 0759 ID as "Newsradio 1060, KPAY," on SW loop bearing. (LG-MT)
- KLMO CO, Longmont 10/27 0800 s/on (no anthem), dominating all. Ment. PSRA of 500 watts; very strong if transmitting at that power. (LG-MT)
- 1110 KBND OR, Bend 10/9 0606 poor in KFAB null, I rarely hear them, surprisingly. (SW-WA)
- 1130 KWKH LA, Shreveport 10/6 0408 mixing with CKWX through KSDO, with C&W, truckers info. Also rare due to KSDO. (TRH-CA)
- KBMR ND, Bismarck 10/21 even with CKWX at 0859 with weather & call ID, thanks to tip from Stan W. (LG-MT)
- CKWX BC, Vancouver 10/6 0400 fair, right through local KSDO. News on the hour, back into C&W. Had been rare, as KSDO is NSP. (TRH-CA)
- 1150 CKX MB, Brandon 10/25 0900 very strong, ended C&W tune and ID's "This is 1150, CKX Brandon, 1150 Ricks." (LG-MT)
- 1170 KLOK CA, San Jose 10/7 0408 fair through NSP local KCBQ with announcements & usual slogans. (TRH-CA)
+10/20 2120 fair, Spanish programming but gave call letters in English. (SW-WA)
- 1240 KSUE CA, Susanville 10/5 0915 C&W music right through KSON (KURS/KSON are my closest non-TIS locals)! KIWA loop puts a pretty good null on many of my local pests. (TRH-CA)
- 1270 KPLY NV, Sparks 10/7 0358 fair with sports talk, ID on the hour, right through local XEAZ. (TRH-CA)
- 1340 KLKI WA, Anacortes 10/8 1037 weak in KMBI-1330 splatter, news report about Washington State Ferries rate hike. (SW-WA)
- 1380 KSMJ CA, Sacramento 10/20 2122 good, "Magic 1380." (SW-WA)
- 1410 KMYC CA, Marysville 10/11 2205 sports radio format, good with no sign of normal CFUN/KFMS. (SW-WA)
- 1420 KMOG AZ, Payson 10/7 0404 fair with local weather and ID, right through NSP local XEXX. (TRH-CA)
- 1480 KRXR ID, Gooding still the call here. Station personnel say there is no application pending to change calls to KTNT. (LG-MT)
- 1540 KXEL IA, Waterloo 10/21 2245 on top. Ended relig. program and had plug for "The Exposition Chapel" Sunday on KXEL. Then began "Reprogramming the Subconscious Mind." Thanks to Frank Aden for tip. (LG-MT)
- 1550 KQWB ND, West Fargo 10/17 0145 fair, "KQ Country," local ads for Fargo. First time heard. (SW-WA)
- 1560 WPAD KY, Paducah 10/6 0500 weak in KNZR null. NOS/BBD music. I thought I had WQEW at first until I heard the ID. (SW-WA)
- 1590 (KOGO) CA, Ventura silent 10/9 1445 and 10/10 0230. XEHC audible midday. (TRH-CA1)

1620 TIS CA, Pebble Beach 10/10 0200-0330 poor-fair on car radio from Santa Barbara to LA with public service messages mostly having to do with fire safety & disposing of toxic substances. Seemed to be produced by local fire dept. This will be audible at home. (TRH-CA)
+10/19 0316 poor at home with same tape loop. Tried every night for a week before I got them. New, CA #245. (TRH-CA)

LOCAL NEWS

1370 (KEEN) CA, San Jose per local newspaper article, should come back on around beginning of 1994 as KKSJ, big band format ala old KFRC-610. (RW-CA)
1500 KSJX CA, San Jose may have nightly SP now 0300-0800 or so, leaves OC on most of night, OC killed this past MM. Will keep checking on this. (RW-CA)


DX TESTS

640 (KYUK) AK, Bethel 10/17 0400 not a trace of them. (TRH-CA)
WOI IA, MM 10/4 0300-0330 fair-good through KFI on DX test. Morse code IDs at beginning & end of test, plenty of voice IDs in between. Not heard on previous DX test. New, IA #6. (TRH-CA)
760 KRZN CO, Thornton MM 10/4 0345 huge through local KFMB with showtunes & oldies, Morse code IDs, and canned voice IDs. Not needed. (TRH-CA)
770 KATL MT, Miles City 10/25 0330-0335 good in Kkob null on DX test over CHQR/KQUL with ID "KATL, Miles City, Montana, this is a test," then code ID. Unneeded. (RW-CA)
1560 WAGL SC, Lancaster MM 10/18 0302 fair & steady through KNZR on DX test. Not needed. (TRH-CA)

UNIDS

1200 10/18 heard test tone on 1200 while in Hanford, so KCTY may still be testing with 900 watts. Call KCK250. (GJ-CA)
1681 (Freq. approx.) 10/21 around 0801 assumed beacon with Morse code ID "N." (LG-MT)

Thanks to all the reporters this week!



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Central DX Roundup

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

 **PRODIGY**
MPNN49A

FOR THE RECORD

REPORT ALL TIMES AS EASTERN. E-MAIL: JOHNJ53816@AOL.COM DEADLINE: SATURDAYS.

RIDING GAIN

- [SA-MB] **Shawn Axelrod**, 30 Becontree Bay, Winnipeg, Manitoba R2N 2X9
Icom IC-R70 with PLAM board and 4kHz filter, 4-foot box loop, 100' wire.
- [JcJ-MT] Your editor using an Icom IC-R71A with a Radio West loop.

SPECIAL INTEREST

- 1220 WIMN MN, Stillwater. **EX-WTCN**. 10/21 good. 1920 with EZL/Adult Standards music. "One great song after another on AM 12-20 WIMN Stillwater." Now on the air after two years of being dark. [SA-MB]

DOWN THE DIAL

- 750 KMMJ NE, Grand Island. 10/24 good. 0810 with KMMJ Polka Show. [SA-MB]
- 1030 WBZ MA, Boston. 10/19 very good o/KTWO. 0643 with sports, traffic report, "WBZ" ID. [SA-MB]
- 1180 WMLX MI, Diamondale. 10/23 o/u/KOFI. 0815 with UC music and "WMLX" ID. [SA-MB]
- 1350 KRNT IA, Des Moines. 10/25 good w/KRLC. 0200 with "Where the news never stops, KRNT Des Moines." into CBS News. Not needed. [JcJ-MT]
- 1590 KHIT NV, Sun Valley. 10/25 briefly strong. 1051 with spot cluster into news. Not needed, but not that common here. [JcJ-MT]

DX TESTS

- 540(WYLO) WI, Brookfield. 10/24 DX Test not heard here. CBK & XEWA only. [SA-MB]
- 670 WYLS AL, York. 10/23 DX Test very poor u/WMAQ. 0113 and 0125 with March music. Code ID at 0119. New for me. [SA-MB]
- 1330(WRCA) MA, Cambridge. 10/25 DX Test not heard here. KNOW too strong. [SA-MB]

25 YEARS AGO

November 16, 1968 issue of IRCA's DX Monitor....Jim Mall of Louisville, KY submitted an article on how radio started in Seattle. The first station was KJR coming on the air August 16, 1921....New member Bruce Bacon of San Jose, CA had logged 19 states in just 8 months of DX....Bill Block of Portland, OR told of his new Hammurand HQ-140-XA....Renewals included Barbara Godwin.

OPEN MIKE

Ignorance doesn't kill you, but it makes you sweat a lot. Thanks to Shawn we have a column this week. Shawn's tip on WIMN brought back memories of Stillwater. I've been there a few times. Very interesting city with lots of history. If you are ever in the Minneapolis area be sure to drive over to Stillwater. 73, John.

WFBQ-FM 94.7
WNDE-AM 1260

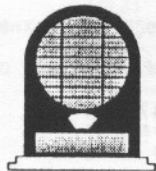
1161 Fall Creek Road
Indianapolis, Indiana 46220-5032



BUSINESS
RADIO 1580
W P G L A M

55 HAWTHORNE STREET, SUITE 1100
SAN FRANCISCO, CA 94105-3914

8



Eastern DX Roundup

Leonard Hyde
1805 Whipple Drive #27
Blacksburg, VA 24060-2436

* CHECKING IN THIS WEEK * Our much appreciated reporters...

- (MH) Mike Hardester-Jacksonville NC: ICOM R-70, Radio West loop
(DLR) David Reitz-Louisville KY: R-1000, Palomar Loop
(JD) J. D. Stephens-Huntsville AL: Panasonic RF-2600, Sony ICF-2001, longwires
(ES) Elliot Straus-Toms River NJ: R-390A, Quantum & Kiwa loops, MFJ-959B
(RCW) R.C. Watts-Louisville KY: ICF-2010, Select-A-Tenna
(KJZ) Karl J. Zuk-Croton-On-Hudson NY: Teletone 100, built in antenna
(ed) the editor at home with R-392, 2' box loop, Autek QF-1

* HOT TIPZ * Things of special interest...

SPECIAL FLASH!!!

- 1000 WMVP IL, Chicago 10/21 2200-2230 ex-WLUP. CL change, w/Chicago Black Hawks hockey. "Chicago's Sports Radio WMVP" slgns. (JD)
WLUP IL, Chicago 10/22 2305-2330 The night after hearing them as "WMVPI" Nx, wx, tx show, many ments of "The Loop, AM 1000" & "AM 1000 WLUP." What gives??? (JD)
- 550 KSD MO, St. Louis 10/25 0200 fr in/out of jumble w/"KSD AM & FM" IDs. Oldies rock. Ex KUSA. (JD)
- 670 CKXB NF, Musgravetown 10/18 0300 MM w/C&W mx and "Kicks" radio ID - I was getting this on 673!!! (ES)
- 1110 WHIM RI, E. Providence 10/8 1745 now C&W. Ads, "WHIM Country Traffic Network." (ES)
- 1160 WVNJ NJ, Oakland 10/25 1430-1500+ testing w/GOS mx and YL ancing "equipment tests" etc. Very Strong. (KZJ) (are these guys ever going to get it going again? They've had more false starts than a rookie lineman! Bet WOBM wishes they would just fade away so they can apply for U1 pattern, hi. -ed)
- 1200 WGNY NY, Newburgh 10/22 1905 ex 1220 now on 1200. (ES)
- 1480 WZRC NY, New York now weird NSP Korean prgms. Lcl. (KJZ)
- 1500 WGHT NJ, Pompton Lakes formerly WKER - now "Great Hits" oldies. Lcl here. (KJZ)

* AROUND THE DIAL * The regular report...

- 590 KBHS AR, Hot Springs 10/23 0737-0740 gd w/lcl spots, ments of Hot Springs Mall, TC, wx for Hot Springs, into C&W mx. Have now hrd all 3 Hot Springs AR stns. (JD)
- 640 WCRV TN, Collierville 10/16 1915-1935 V gd. Concerned Women Of America. Dropped power at 1932. (RCW)
KFI CA, Los Angeles 10/17 0400-0500 hrd while trying for KYUK test. Mixing w/WCRV. Tx show, ads ment S CA. "KFI 640" IDs. (JD)
- 690 WPHE PA, Phoenixville 10/13 1830 s/off in SS & EE, to 1834 power off. (ES)
- 700 WCAT MA, Orange 10/7 1800 USA radio nx, "News Talk 700 WCAT." 1815 s/off. Good. (ES)
- 750 WMXH PA, Olyphant 10/6 1825 detailed s/off ancmt w/"This is AM 750 Olyphant - Taylor." Hymn, & off. (ES)
- 760 WCHP NY, Champlain 10/17 1800 REL pgm. ID as "This is WCHP Champlain." Better after WVNE s/off at 1800. To 1814 s/off. (ES)

- 850 KOA CO, Denver 10/25 0100-0200 rock solid, best ever signal from them, w/tx, local spots, frqt "85 KOA" slgns. Great cx to the West this morning. (JD)
- 920 KARN AR, Little Rock 10/16 2200-2205 poor. "News Radio KARN" ID, nx. (RCW)
- 980 WTRY NY, Troy 10/23 1725 "The oldies station, AM 98 & FM 98.3, WTRY." Fair. (ES)
- 1020 WKZE CT, Sharon 9/23 1015 now C&W - often at SSS. (KJZ)
- 1120 WADN MA, Concord 10/23 1803 w/BBC nx. (ES)
- 1140 CJTR PQ, Trois Rivieres 10/19 1805 "Tele-Talk" sports pgm. FF, xlnr. (ES)
- 1150 WJZS SC, Orangeburg 10/14 2045 promo for "'Auto Answer' program from 9 to 1 Saturdays on talk radio 1150, WJZS." lcl spots, into sports tx. (DLR)
- 1190 WECC GA, St. Marys 10/22 1900 REL tx to 1903 detailed s/off. Xlnr. (ES)
- 1210 KGYN OK, Guymon 10/3 2150 C&W mx, ID: "KGYN AM 1210 - the news and information station for the 5 state area." ABC nx, more C&W. (DLR)
- WGSF TN, Arlington 10/9 1905 xlnr w/GOS mx. ID: "The Bible: learn it, love it, live it. Call us to share your favorite scripture at AM 1210 WGSF." (DLR)
- 1270 WCGC NC, Belmont 10/16 1805 lcl spots for Jones Family Supermarket, Channel 9 nx weekdays at 6 on AM 1270 WCGC. Wx, frqt IDs, xlnr. (DLR)
- 1300 WKCY VA, Harrisonburg 10/22 1835 "Country KCY" slgn, ads, community update. C&W mx, v gd. (ES)
- WPNH NH, Plymouth 9/93 several times hrd simulcasting rock sister stn "FM 100.1" (KJZ)
- 1360 WHBG VA, Bridgewater 10/3 2045 oldies, "WHBG" ID. (DLR)
- KRYS TX, Corpus Christi 10/25 0255 gd w/C&W mx. DJ Mark Bateman, slgn: "KRYS - New country." (JD)
- 1420 WBSM MA, New Bedford 10/10 1630 s/off w/SSB o/u local WLNA Peekskill. (KJZ)
- 1460 WRVK KY, Mt. Vernon 10/17 0045 AC mx, ID: "1460, 1240, and 960: East Kentucky's all hit radio." Into more mx. Xlnr. (DLR)
- 1470 WTKO NY, Ithaca 10/15 1829 "The news leader, your information station - WTKO." (ES)
- 1480 WPWC VA, Dumfries 10/22 1750 C&W mx. "Your country music station with the stars of the nation on 1480 WPWC." V gd. (ES)
- WISL PA, Shamokin 10/25 0300 w/UPI nx. "For information on delays & closings, lock your dial on AM 1480 Shamokin." (OK, dials locked, now what?) (ES) (wait.....z-z-z-z-z -ed)
- WABB AL, Mobile 10/25 0358-0405 gd w/spot for Dairy Fresh. ID: "This is news/talk 1480, WABB, Mobile." Into NBC nx. (JD)
- 1510 CKOT ON, Tillsonburg 10/20 1750 "AM 151," "This is CKOT AM 151." Ads & wx. (ES)
- 1560 WQEW NY, New York 10/24 0015 fr, popping up o/a flúterry WPAD w/BBD mx, "AM 1560 WQEW" ID. (JD)
- 1570 WTRB TN, Ripley 10/18 2030-2045 strong at times w/"WTRB Ripley" ID. Tx show about UT Vols football, lcl ads, "RC Cola Trivia Challenge." (JD)
- 1580 WNZT PA, Columbia 10/7 1859 s/off ancmt. "1580 Conversation Radio - WNZT Columbia." "Happy Trails" and off. (ES)

* DX SPECIALS * Love them tests!

HEARD:

- 620 WTRP GA, La Grange 10/17 0000-0030 hrd several lengthy code IDs. Surprised at strength given their night power of 125 wts. (JD)
- 670 WYLS AL, York 10/23 0100-0130 NRC DX TEST v gd w/lengthy code IDs, polkas, frqt voice ancmts by m/ancr. (JD)
- 770 KATL MT, Miles City 10/25 heard code IDs, a little voice, and possibly oldies mx. (RCW)
- ++ hrd 0330-0400 w/code IDs making it through WABC, suspected Cuban, and unID tx pgm. Poor signal level, but enuf for positive ID. Taped rpt sent. (MH)
- ++ fair o/WVNN w/lengthy code IDs, ment city, TCs, temp, RO mx. New, MT #2. (JD)

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- 1150 WELC WV, Welch 10/11 fair reception and a most enjoyable test! (RCW)
 ++ hrd on DX Test w/C&W-BLG mx, code IDs. Voice anmt ment 5kw xmtr.
 (DLR)
- 1270 KGNM MO, St Joseph 10/11 NRC DX TEST code only, and very weak at that. (RCW)
- 1560 WAGL SC, Lancaster 10/18 0300-0330 strong w/march mx, lengthy code IDs, many ancmts mentioning IRCA & greetings to DXers. Announced phone calls from OR, MT, MO, DE, NY, OK & AL (me!) A very well done test! (JD)
 ++ great signal - xlnt, enjoyable test. (RCW)

TENTATIVE:

- 620 WTRP GA, La Grange 10/17 poor, possible code at 0016. WSUN-FL dominant here as local WTMT was off air. (RCW)

NOT HEARD:

- 540 WYLO WI, Brookfield 10/24 0200-0230 NRC DX TEST not hrd. Mega-WGTO & suspected Cuban w/QRM. (MH) (I don't think there is a Cuban there, Mike - probably XEWA -ed)
 ++ not hrd. (JD)
- 620 WTRP GA, La Grange 10/17 0000 tried for DX Test, not hrd. (DLR)
- 640 KYUK AL, Bethel 10/17 NRC DX TEST not hrd, but plenty of WBOW-IN. (RCW)
 ++ not hrd in mix of WCRV & unID Mexican. (JD)
- 1330 WRCA MA, Cambridge 10/25 not hrd. (RCW)
 ++ not hrd. (JD)

*** WHO DAT? * Of and about those pesky unIDs...**

- 1240 WFOY?? FL, St. Augustine?? 10/24 0255-0305 in briefly w/ID that sounded like "WFOY" by f/ancr, and into USA Radio News. No city/state hrd. Poor: in/out/gone! (MH)
- 1550 WAVX?? GA, Smyrna 10/28 2100 in/out, at times xlnt w/SS pops, tx by m/ancr. EE ID at 2100: "You're listening to Stereo 1550, WA (V? D?) X, Smyrna - Atlanta." Just after that, the station was... gone. (ed)
- 1610 KIE651?? VA?? 10/25 0415-0500 TIS w/f/ancr. Ment of "National Wildlife Refuge"; phone # 331-2267 (called using area 804, but couldn't understand "ID" on answering machine!) "hours are 9AM to 5PM," then sound of seagulls. Recheck at 0800 and signal was still fading in/out. ID sounded like KIE651, into same ancmt, and fade. Ideas, and maybe an address? (MH)
 (I called 331-2267, and got the answering machine at Chincoteague State Park. F on machine blurred pronunciation of "Chincoteague" in that special Eastern Virginia way, but I got it. I called the VA 800# you sent and got the VA Dept. of Wildlife & Conservation. Respondent didn't know nuthin' about TIS. Doubtless Chincoteague NWR - maybe Wayne Heinen has CLs by now?? -ed)
- WPAT(?) unID TIS hrd 10/25 0415-0500 mixing w/above during brief periods of fade in. M/ancr w/ment of fees of \$15 per day for camping, \$3.25 for cars, and \$1.00 for "walk-in." Park hrs and as "open daily 8AM to sundown." Possible ID: "This is ??? Park ??? Information (Station?) WPAT??? (United States?) Recreational Area. Poor lvl. (MH)
- unID TIS? 10/25 0700-0705 fade up o/above stns w/ancmt by f/ancr. Sounded like a wx rpt: "...cloudy w/showers..." Anyone here relaying NOAA? Poor lvl SRS. (MH)
- 1620 unID 10/25 0510-0520 not certain if this a TIS or what. F/ancr noted w/"Hello!" M/ancr noted later w/poss "Welcome..." but not positive. Had noted on/off this AM w/bits of EE audio seeming to loop NE/SW. Will keep checking. Anyone hearing anything here? (MH)

*** OTHER STUFF * Reporter's short DX related comments...**

*** EDITOR'S DESK * Big mouth strikes again!**

Thanks to Mike, David, J.D, Elliot, Col. DX & Karl for supporting EDXR this week. Good to have you back, Karl - check in more often!

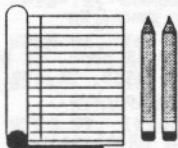
What a fat, beautiful, healthy column this time. A lot like the editor!
HI!!!

Wonderful to see a station go back to a 3 letter call. (KUSA-KSD) Of course, they can always do it, as long as they have kept the rights to the 3 letter call by assigning it to an FM, etc. So, there's still hope that KYA and KGW, among others, may one day return.

Another vote in: "forget the addresses!" That's one for, one against, and two "?????'s" One member suggests I publish addresses unless I am requested not to. It looks like that's what I will do unless more "no" votes roll in.

"Using The Stereophonic Decoder In Your Brain:" I recently tried this, using the R-392 and box loop on one channel, and the DX-440 with a shotgun loop on the other. The loops were set at right angles, and the receivers coupled through a stereo tape deck. WHAT AN EXPERIENCE!!! True ambient stereo sound! The best way I can describe it is that I felt like a carrier wave on 1410 (the channel I was listening to) surrounded by fellow carrier waves. The depth was awesome, as if I was "in" the channel. Just like Cary Simpson described. I was able to "pull up" different signals by merely concentrating on them. Of course, tweaking the loop set up helped too, but only after I set my mind on the signal I wanted. Hit the "mono" switch on the tape deck, and the effect was lost: the channel became an undefined jumble. There are tremendous possibilities here, such as use of a graphic equalizer, and taping of a jumbled channel, "pulling out" a different signal each time you play it back. More to come. Stay tuned.

Till next time, 73 and gd DX de LLH. (28)



Eastern DX Forum

Richard C. Evans

P.O. Box 21883

Milwaukee, WI 53221-0883

Phone: 414-ATLantic 2-9035

DEADLINES: SATURDAYS

R.C. Watts, 4109 Graf Drive, Louisville, Kentucky 40220-3016

From the 10/33 Courier-Journal Scene: Pro-basketball player Charles Barkley, in Germany for a tournament, was put out because no TV carrying the World Series. Told he could have heard it on Armed Forces Radio, he said "You've got to be a total nitwit to listen to any sport on the radio". From the Messenger for Sept-Oct: China Radio International, having lost their KPLA relay, now on WUST-1120, 1600-1700, M-F, in the DC area. Would like feedback from listeners. Was in Las Vegas again, no much interested in the radio scene, but did want to tape Casino Radio, KXNO-1140 ("Give us twenty minutes and we'll give you Vegas"). The patch cord left in the radio shack! so have an excuse to return another time. The old KLUC call is rappin' on 98.5, I think. Col. DX got a little frazzled while there and tuned in permanently by A.J. while suffering from acute QRM. Her 5th, my 3rd! Not enough info and very short notice on the DX-Mid-America item in DXM.

Rick Evans, 4841 South 26th Street, Milwaukee, Wisconsin 53221-2937

Just a quick note to mention that I listened for a few minutes on MM 11/1 for the tests. Tones noted at the right times but no IDs heard. I see there are a few weekday morning tests set up for November. I'll be at work for most of them so they are out of the picture as far as this guy is concerned. I work from 1700-0200+ CLT (and if I'm out of there by 0300, I'm lucky). I'm sorry to hear about Charley Keleher dropping out of the club--he's been a member since at least 1972 and a former editor of CDXR. See you in 7 days. 73.



Western DX Forum ★ ★ ★ ★ ★

Reid Wheeler 5910 Boulevard Loop SE Olympia, WA 98501

Deadline: Saturday 2 weeks before publication

Stan Weisbeck, 411 E Sinto #203, Spokane, WA 99202

A couple of things have happened in the Spokane radio market that I thought I'd pass along. KEYF-1050 (licensed to Dishman) has abandoned its "Welcome Radio" tourist information format after two months and has gone back to an oldies format // KEYF-FM. The slogan used on the air is "Oldies 101.1". According to an article in the local newspaper, when the tourist format was launched they were planning to put up billboards on the highways leading into Spokane encouraging visitors to tune in, but I don't think these billboards ever went up. They also claimed to be the only station in the country doing this, but it sounds very much like what KXNO Las Vegas does, and another station in Georgia I heard about a few years ago. (I bet there are others, too.) The other big change is that KKPL-630 (licensed to Opportunity) has gone silent, as of early September. I called the station after they were off a couple of days and was told the station had been sold. The reason they had gone silent, however, is that KAQQ is going to take over KKPL's transmitter site. (Both had been owned by the same company, Silverado Broadcasting, until KKPL was sold). Even though KKPL only ran 25 watts at night, they were a real pest for me. (Actually I shouldn't complain too loudly because I used to work as DJ for them several years back & a few call letter changes ago, hi). When KKPL comes back, which I suspect will be a while since they need a new transmitter site, they will probably be on 840 since they have a CP to move there with 50,000/250. I guess if I'm every going to hear WHAS again I'd better hurry. Since 630 became clear I've been lucky enough to hear KCIS-WA, KWRO-OR, KHOW-CO, & KGVW-640-MT. In fact, it's been a good DX season so far since I've heard CBL-740-ON & WPAD-1560-KY for the first time, both thanks to tips from Larry Godwin. 73

Larry Godwin, 2390 Clydes Dale Ln, Missoula, MT 59801

406-721-5131

Greetings! I'm elated that I heard the WAGL-1560 test and thank J.D. heartily for providing me with a new state! Congrats to the Manitoba boys on hearing KHLO-850. Re withholding DXR/DXWW contributors' addresses: I'd oppose that policy but honor any individual members' request to withhold. I believe that printing the addresses fosters communication among the members. As far as I know, I haven't received uninvited solicitations as a result of my contributions. Also I can't see the harm in printing CPC test reception details since by the time they hit print (3 weeks later), it would be too late to send a fake report. Printing those details might help someone ID a test that was heard only tentatively without taking the time to send a reception report to the station. I like the numbered pages in DXM; keep up the good job, Ralph! With all the applications pending for the extended band, now is the time to log beacons and TIS in the 1610-1700 range. I recently heard a TIS on 1700 in San Diego (see DXR), so those guys can pop up anywhere in this upper band. Good DX and 73!

----- 31-9 -----

WQKR 1270 AM

817 North Broadway • Portland, TN 37148-2024

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VERIFICATION SIGNERS

Stephen S. Howe
9 Warner Drive
St. Albans, VT 05478-1575

My deadline is the last Friday of the month, unless indicated otherwise.

Contributors:

SSH Your editor
GVJ Gary V Jackson, 7735 Center Parkway, Sacramento, CA 95823
TJR Thomas J. Reiser, 9506 S Winchester, Apt 205, Chicago, IL 60643-1109

FREQ	CALL	NAME and TITLE	ADDRESS	WHAT	WHEN	WHO
640	WWLS	Tony Sellars, OpsM	4000 W Indian Hills Rd Norman OK 73072	LB	10	TJR
1050	KNOB	Robert F Turner	P O Box 9775 Bakersfield CA 93389	LM+	6	GVJ
1090	WILD	No signer*	c/o Personal Database Applications 2616 Meadow Ridge Rd Duluth GA 30136-6037	Q	596	SSH
1120	KMOX	Paul Grundhauser, MTEchOp	1 Memorial Dr St Louis MO 63102	LB	28r	TJR
1500	CKAY	Cam Drew, GM	#102-435 Trunk Rd Duncan BC V9L 2P5	L	25	GVJ
1570	KCVR	Damien Thorn, AsstEng**	7808 Kelly Dr Stockton CA 95207	LMB+	60	GVJ
1580	KLOQ	Steve Pacheco, CE***	705 Main St Merced CA 95340	L+	4	GVJ

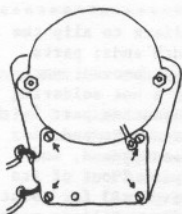
WHAT was received: L = Letter; Q = QSL card; P = Prepared card supplied by DXer; R = DXer's letter returned with statement; M = Coverage map; B = Bumper or other sticker; + = Extra goodies
* [for this report] = The name of the CE, Grady Moates, was printed on the card; ** [for this report] = See comment below; *** [for this report] + See comment below
WHEN the reply came: Number of days elapsed; f = Follow-up; n = Return postage not used; r = Return postage returned

Welcome to the column, Thomas! Good to have you aboard! Well, your editor finally contributed a tip, hi! Guess I get the longest-wait-for-a-reply award this month! Mike Hardester also received his long-awaited verie for the WILD-1090 DX test, and he claims he had to wait 598 days, so I guess Mike gets the award instead, hi! Looks like Gary discovered the right person to contact at KCVR-1570 to get a verie out of this notorious non-verifier. I never had any success when I lived just a stone's throw away in Menlo Park in the 80's. And Gary even wrote his report in English, hi. Gary also noted that his verie from KLOQ-1580, another SS station, stated that his report was the first report they had received in years, the last having come from Hawaii. This column was prepared on 10/22/93. 73, SSH

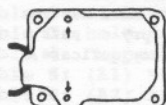


14

Dallas Lankford



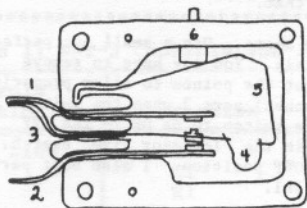
FUNCTION Switch



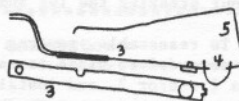
Microswitch

Yep. The first attempted fix, described in HSN 27, was not permanent for my otherwise trusty old 1956 model Motorola. As before, the symptom of the worn microswitch was the dial lights remaining on with the FUNCTION switch set to OFF. And as before, I removed the front panel (see HSN 29) to access the rear of the FUNCTION switch (see sketch at left). And as before, I used ChemWik Lite 0.100 desoldering braid to remove the solder from the two microswitch lugs. Be careful not to touch the hot iron tip to other wires (not shown). The two wires to the microswitch lugs are, maybe, #18 insulated, and not very flexible. Use the hot iron tip to straighten the bends in the wires, and keep the hot iron tip on the wires to aid in pulling the wires through the lug holes without breaking strands. Next remove the four slotted screws, indicated by arrows, and remove the microswitch. If you are lucky, the four flat washers behind the microswitch will be stuck to the FUNCTION switch frame with lock-tite (a varnish-like substance). If not, collect and remove the flat washers, and save them for when you reassemble the microswitch.

When you have removed the microswitch, you will observe two flat metal studs, indicated by arrows above, which attach a plastic cover plate to the side of the microswitch. If you slip the sharp edge of a small knife blade under the edge of the plate near the metal studs, the wedging action of the knife blade will lift the plate and studs slightly, enough to slip a very thin screwdriver blade under the edge to continue the wedging action. By using a succession of larger screwdriver blades (none of them very large), you can remove the plate and studs without damaging the plate, studs, or body of the microswitch. When the plate is removed, the interior of the microswitch should resemble the sketch below.



Microswitch, Interior View



Some Details Of Microswitch

The microswitch has six removable parts, numbered 1 through 6 on the sketches above. Parts 1 and 2 are thick metal plates with small discs attached to them. Part 3 is a thin copper alloy plate. These three parts function similar to the points of an automobile distributor, making and breaking contact for 120 VAC. Parts 4, 5, and 6 move the flexible part 3 to turn the R-390A on and off. Part 6 is a miniature lifter, which is controlled by a cam attached to the shaft of the FUNCTION switch. In the sketch above, the switch is shown in the ON position. When the FUNCTION switch is rotated to the OFF position, the cam raises the lifter, which causes internal parts 4 and 5 to move the end of part 3 to the OFF position (end of part 3 resting against end of part 1). Although both microswitches were manufactured by Robertshaw, the lengths of parts 3, 4, and 5 were different for two switches I examined. Also, the semicircle cutout on part 3, which determines how part 3 can be inserted into the case, was on opposite sides for the two switches. This means that for one switch, the small diameter point of part 3 faced the "hot" point on part 2, while for the other switch, the large diameter point faced the "hot" point on part 2. Although I did not try it, it would seem that part 3 can be made reversible by using a small file to file a semicircle into the other side of part 3. Parts 1 and 2 for the switches I observed were reversible; i.e.,

they has semicircles on both sides. The semicircles mate with small half-cylinders (not shown) at the bases of the mounting slots (apparently to assure proper alignment of the parts).

Part 4 can be removed by using miniature needle nose pliers to slip the end of part 4 off the end of part 3. Part 4 has slots on both ends; parts 3 and 5 have tabs which mate with the slots. After part 4 is removed, part 5 lifts (or falls) out, and then part 6 may be removed. Use a hot soldering iron tip to remove any residual solder from part 3 where it touches part 1, and use the iron tip to move the double end of part 3 away from the end of part 1. With a right angle dental probe slipped under the inside end, and your finger on the outside end, slowly and gently "wiggle" part 2 out of its mounting slot. Apply the hot iron tip to the outside end of part 3 for about 10 or 15 seconds, and then grasp part 3 with miniature needlenose pliers near the inside edge of the mounting slot, and try to "wiggle" part 3 gently but firmly. If part 3 does not move, apply the hot iron tip again, this time for maybe 15 or 20 seconds, and try wiggling part 3 again. In this way you should be able to extrace part 3 without damaging it. Do not pry on part 3 with a dental probe or other miniature pry bar; part 3 is very delicate, and easily damaged.

With a small piece of #1200 wet-dry (automotive) sandpaper placed on a flat piece of wood or metal, sand the points of parts 2 and 3 until all evidence of pitting is removed. Then polish the points using "used" areas of the # 1200 sandpaper. Making these small points flat again is difficult, and maybe not even desirable. I opted for slightly curved surfaces, so that the refinished points would touch at one point. My theory (untested) is that as arcing evaporates metal from the points surfaces, a small, more-or-less flat circular area would grow on the surfaces of the points (as opposed to small pitted "holes" which would grow if the surfaces were initially flat). If the point of part 2 was so deeply pitted that after sanding not much point surface was left, you can reverse parts 1 and 2 as I did for one switch. It may be possible to reverse part 2, if a small semicircle can be filed into the other side, and if the bent lug end can be bent into an opposite curve without breaking the lug end. I did not try that.

To reassemble, reverse the removal steps above. Use a small but perfectly flat screwdriver blade to seat part 3 completely. You may have to remove parts 2 and/or 3, and install them again to get the points to align properly. For one switch, part 4 touched (or nearly touched) part 2 when the switch was in the OFF position, which would cause the switch to be ON in the OFF position. By bending parts 4 and 5 as shown in the "Interior View" sketch, parts 2 and 4 had plenty of clearance in the OFF position. I also bent part 2 (down) slightly so that the points were parallel.

IRCA AM-FM ALMANAC - 1991 Edition Reprint

IRCA has reprinted a limited number of copies of the 5th Edition of the IRCA AM-FM ALMANAC. Several DXers have expressed interest in obtaining the most recent Almanac edition from 1991, rather than waiting for the next complete Almanac in 1994.

- **1991 Edition** — This is the edition sent to the press in October 1990. Information is from 1988 thru 1990. Much of the information is still useful today.
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If Input Mode switch S4 is set to "Spare", the control cable to the remote antenna can be used as an antenna itself; this could be useful if its directional properties differ considerably from those of the remote active antenna. S5 controls the relay at the remotely-tuned antenna and R3 controls the varactor tuning voltage.

Organization of article

Table 1: Controls and Input / Output Connectors

text: Operating the MWT-3

- Bypass
- Passive tuning
- Active tuning
- Broadband amplification
- Control of remotely-tuned antenna systems
- Building the MWT-3

- Table 2: S1 Bandswitch Settings Chart
- Table 3: hole-drilling list
- Table 4: "upper level" parts list
- Table 5: (A1) RFE-D regenerative front-end card parts list
- Table 6: (A2) BUF-A buffer amplifier card parts list
- Table 7: (TA1) 1:16 impedance transformer card parts list
- Table 8: small hardware parts list
- Table 9: wiring / component connections
- Table 10: control orientation conventions
- Figure 1: MWT-3 schematic (input section)
- Figure 2: MWT-3 schematic (output section)
- Figure 3: (A1) RFE-D regenerative front-end card schematic
- Figure 4: (A1) RFE-D regenerative front-end card assembly
- Figure 5: (A2) BUF-A buffer amplifier card schematic
- Figure 6: (A2) BUF-A buffer amplifier card assembly
- Figure 7: (TA1) 1:16 impedance transformer card assembly
- Figure 8: MWT-3 switch details
- Figure 9: C1 & vernier knob mounting details

Table 1: MWT-3 Controls and Input / Output Connectors

Controls location	designation	operational description
left side	S6	Input Select switch
top	C1	Tuning capacitor
top	R1	Input Attenuation pot
top	R2	Regeneration Control pot
top	R3	Remote Tuning pot
top	R4	Regeneration Vernier pot
top	S1	Bandswitch
top	S2	Function switch
top	S3	Length switch
top	S4	Input Mode switch
top	S5	Remote Relay switch (band 1 / 2)

Input / Output Connectors location	designation	operational description	connector type
left side	J1	Main RF input	BNC jack
left side	J2	Main RF input	banana jack
left side	J3	Earth Ground input	banana jack
left side	J7	Remote Antenna Control	stereo phone jk
left side	J8	Spare Antenna input	banana jack
right side	J4	RF output	BNC jack
right side	J5	B+ in	phono jack
right side	J6	9V battery holder	Keystone 1290

Operating the MWT-3

Connections

Before operating any of the four functions, connections to / from the MWT-3 must be made.

J1/J2: The main antenna or signal source should be connected to J1 or J2.

J3: Earth ground can be connected to J3 if the cable to the receiver will be longer than 10' / 3 m. or if the receiver is not grounded. Earth ground may be an actual ground connection or a "dummy" ground provided by a longwire on or near the ground.

J5 / J6 / P1: A 9V battery may be used for power if the MWT-3 is not being used with a remotely-tuned active antenna. The battery is to be installed in holder J6 and plug P1 connected to the J5 B+ input RCA jack. If the MWT-3 is being used to operate a remote active antenna, a power source of greater current and voltage capacity is required. A supply capable of 11 VDC minimum, 19 VDC maximum should be connected to J5 in that circumstance.

J4: The RF-output coaxial cable (to the receiver input) should be connected to J4.

J7: If a remotely-tuned active antenna is to be used, connect its control cable to J7. This cable should be wired so the tip of its stereo headphone plug (mating to J7) is used for the varactor control line (Figure 1: J7-A) and the center section for the relay control line (J7-B). If the control cable's length exceeds 10m / 33', a ground line should be connected to the remaining (base) section of the cable's plug which mates to J7. Note that actual DC power to the active antenna is sent out through the J1 connector also used for RF input.

J8: If J7 is not used, a spare antenna can be connected to J8. When the S6 Input Select switch is set for the Spare (instead of the Main J1/J2) input, this spare antenna is used as the MWT-3 input signal source. When J7 is used, as noted above, the control cable to the active antenna can be used as the spare antenna. Having Main and Spare signal sources available can allow diversity in directional pickup patterns.

Procedures

Physical orientations of controls are as described in Table 10.

Controlling a remote active antenna involves S4, S5, and R3 settings. Steps to do this follow the discussion of the four MWT-3 S2-selected functions. Discussions of these four functions assume that the active antenna, if used, has already been set up to deliver signal at the desired frequency.

BYPASS function (direct feed of antenna to receiver)

Set-up: Set R1 initially to fully CCW (= maximum input: the switch on R1 takes the R1 // R5 attenuator out of the line). Set S2 to "Bypass". Set S4 to "Float" unless an active antenna is being used - in that case, set S4 to "Power to Active Antenna".

Operate: With receiver on desired frequency, check that the wanted signal is of sufficient strength and has no spurious mixing signals or images from strong local stations. If spurs / images are present, adjust R1 until they go away. If the wanted station is now too weak, a different operating function is suggested.

PASSIVE TUNING function

Set-up: Set R1 initially to fully CCW. Set S1 for operating frequency range desired, in accordance with Table 2. Set S2 to "Passive Tune". Set S3 to "Normal" length position. Set S4 to "Float" unless an active antenna is being used - in that case, set S4 to "Power to Active Antenna".

Operate: Adjust C1 for maximum strength of the desired-frequency station. If overloading-caused spurious responses QRM the desired signal when C1 is properly peaked, set S3 to "Long" and re-peak C1. If, after having done that, spurs still exist; adjust R1 to make the spurs go away. Setting S4 to the "Terminated" position may also help (if it had been on "Float"). Slight re-peaking of C1 may then be necessary.

If signal levels resulting from passive tuning are insufficient, Active Tuning will be required.

ACTIVE TUNING function

Set-up: Set R1 initially to fully CCW = minimum attenuation. Set R2 to fully CW = minimum regeneration. Set R4 (Regen. Vernier) to center. Set S1 for operating frequency range desired, in accordance with Table 2. Set S2 to "Active Tune". Set S3 to "Normal" length position (wire length greater than 10' / 3 m.) or to "Short" length position (antenna shorter than 10'). Set S4 to "Float" unless an active antenna is being used - in that case, set S4 to "Power to Active Antenna".

Operate: Adjust C1 for maximum strength of the desired-frequency station. If overloading-caused spurious responses QRM the desired signal when C1 is properly peaked, set S3 to the next longest position (e. g. to "Long" if it had been on "Normal") and re-peak C1. If, after having done that, spurs still exist; adjust R1 to make the spurs go away. Setting S4 to "Terminated" may also help (if it had been on "Float"). Slight re-peaking of C1 may then be necessary.

To increase gain and to narrow the received bandwidth with regeneration:

Bring R2 gradually CCW in small steps; after each step re-peak C1. An increase in signal level and tuning sharpness should soon be apparent. At the "regeneration threshold" the received audio gets muddy; beyond that threshold, oscillation occurs. When you're at this threshold, use R4 for a more precise adjustment of desired reception.

BROADBAND AMPLIFICATION function

Set-up: Set R1 initially to CW (maximum attenuation to protect from overload damage). Set S2 to "Broadband". Set S4 to "Float" unless an active antenna is being used - in that case, set S4 to "Power to Active Antenna".

Operate: With receiver on desired frequency, gradually adjust R1 in a counterclockwise direction until the maximum wanted-frequency signals are heard with no interference from spurious overload-caused (intermodulation-distortion) responses. If the maximum achievable (spur-free) level of the wanted signal is insufficient, Active Tuning is suggested.

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