

OCTOBER 23, 1993 - VOLUME 31 - NUMBER 5 - EDITION 998 - ISSN 0899 - 9732

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NEW MEMBERS: DAVID STONE, MATTHEW McGRANAGHAN, PARK BARTON, KEVIN GUERNIER. **RENEWALS:** STEPHEN SCHREITER, JOHN RIEGER, JAMES HILL, LEONARD HYDE SHERRELL WARREN, LESLIE CARPENTER, CHRISTOPHER WIEMERT, MARVYN CARLSON, RANDY STEWART. WELCOME TO NEW MEMBERS DAVID, MATTHEW, PARK & KEVIN.....

IRCA 1994 CONVENTION: THE IRCA AND PRESIDENT BILL HARDY WILL THANK YOU IF YOU STEP FORWARD AND HOST THE 1994 CONVENTION. A BID FORM AND INFORMATION ARE WAITING FOR YOU. I NOTICED THE PROMISE OF HELP FROM JOHN JOHN SON AND LARRY GODWIN DID MOVE YOU. WE REALLY NEED SOMEONE TO STEP UP AND TAKE ON THE JOB. BID FORM: PRESIDENT BILL HARDY 2301 PACIFIC AVENUE ABERDEEN WA 98520. A LOT OF WELL WISHERS ARE WAITING FOR THIS PERSON..

EDITORS/POSITIONS: THE IRCA HAS SOME OPENINGS FOR A FEW GOOD HARD WORKING PEOPLE: GRAVEYARD DX RECORDS EDITOR, ANARC REPRESENTATIVE, ELECTION COMMITTEE CHAIRMAN. CONTACT PRESIDENT BILL HARDY AT ADDRESS ABOVE.....

IRCA REPRINTS: LIST OF REPRINTS. SEND \$1.00 TO: IRCA REPRINTS c/o STEVE RATZLAFF 1885 E BAYSHORE RD SPACE 90 EAST PALO ALTO CA 94303.....

M STREET RADIO DIRECTORY: GET ONE FROM THE IRCA BOOKSTORE AT 9705 MARY NW SEATTLE WA 98117. PRICE \$29.00. USE YOUR STREET ADDRESS, NO POST OFFICE BOX. THIS IS A VERY GOOD DIRECTORY, LOADED WITH INFORMATION.....

MEMBERSHIP LIST: IF YOU ARE A MEMBER OF THE IRCA AND WOULD LIKE A COPY PLEASE SEND \$1.00 U.S. THIS IS FOR ALL MEMBERS. PO BOX 70223 RIVERSIDE CA 92513-0223 USA. THIS WAS PRINTED IN THE DXM IN PAST YEARS. NOW IT TAKES UP TO MUCH ROOM WE CAN USE FOR OTHER DX RELATED MATERIAL.....

NEW NEW MEMBER PACKET: THE NEW MEMBER PACKET IS COMING A LONG FINE. THE MATERIAL IS BEING SCANNED BY A MEMBER AND WILL BE READY FOR ME TO PUT IT TOGETHER IN THE NEAR FUTURE. EVERY MEMBER WILL GET A COPY OF THE NMP. SOME NEW MEMBERS WILL BE LOOKING FOR THEIR NMP. SO I TYPED THIS NOTICE..

DXM LATE: THIS DX MONITOR WILL BE A FEW DAYS LATE BECAUSE I WAS FISHING AND HAVING A GOOD TIME. FISHING WAS GREAT, CATCHING WAS POOR. THERE IS ALWAYS NEXT TIME. FISHING IS ALWAYS BETTER THAN WORK.....

SCANNERS: I KNOW SOME OF YOU MEMBERS ARE INTO SCANNING. I JUST RECEIVED A COPY OF: SCANNERS & SECRET FREQUENCIES. THIS IS THE BEST BOOK I HAVE SEEN ON THIS SUBJECT. SEND FOR A FALL '93 CATALOG OR ORDER FROM: INDEX PUBLISHING GROUP 3368 GOVERNOR DRIVE SUITE 273F SAN DIEGO CA 92122. CREDIT CARD ORDERS 1-800-546-6707, FAX # 619-281-0547. PRICE \$19.95+S&H THEY HAVE LOADS OF OTHER BOOKS ON MANY SUBJECTS. CHECK THEM OUT.....

IRCA DX TEST BULLETIN

MONDAY, OCTOBER 25, 1993 - WRCA-1330, 1 KENDALL SQUARE, #1400, CAMBRIDGE, MA 02139 WILL CONDUCT A DX TEST BETWEEN 1:30 & 2:00 AM EDT. THE TEST WILL INCLUDE MORSE CODE AND TONES. RECEPTION REPORTS MAY BE SENT TO: MR. GRADY MOATES - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, OCTOBER 25, 1993 - KATL-770, P.O. BOX 700, MILES CITY, MT 59301-0700 WILL CONDUCT A DX TEST BETWEEN 3:30 & 4:00 AM EDT. THE TEST WILL INCLUDE MORSE CODE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. DONALD L. RICHARD - GENERAL MANAGER. POWER FOR THIS TEST WILL BE 10 KW. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, NOVEMBER 1, 1993 - WDLM-960, P.O. BOX 149, EAST MOLINE, IL 61244 WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:30 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES, VOICE ID'S, AND MARCH MUSIC. RECEPTION REPORTS MAY BE SENT TO: MR. GLENN ROGERSON (WD9IWO) - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, NOVEMBER 1, 1993 - WSSH-1510, WOBURN, MA WILL CONDUCT A DX TEST BETWEEN 3:00 & 4:00 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES AND VOICE ID'S. POWER WILL BE 50 KW. THANKS TO MR. MICHAEL J. KLEIN (NVIL) - GENERAL MANAGER FOR THIS TEST. MR. KLEIN REQUESTS THAT RECEPTION REPORTS BE SENT TO: WSSH DX TEST, 2616 MEADOW RIDGE DRIVE, DULUTH, GA 30136-6037. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

SATURDAY, NOVEMBER 6, 1993 - KFJM-1370, P.O. BOX 8116, GRAND FORKS, ND 58202-8116 WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:30 AM EST. THE TEST WILL INCLUDE MORSE CODE, RHYTHM & BLUES MUSIC, AND VOICE ID'S. RECEPTION REPORTS MAY BE SENT: MR. JOHN AASEN - DIRECTOR OF ENGINEERING. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

SATURDAY, NOVEMBER 6, 1993 - KREW-1210, P.O. BOX 149, SUNNYSIDE, WA 98944 WILL CONDUCT A DX TEST BETWEEN 3:00 & 3:30 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES, AND MARCH MUSIC. RECEPTION REPORTS MAY BE SENT: MR. DON BENNETT (W7IVE) - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

TUESDAY, NOVEMBER 9, 1993 - WHSM-910, ROUTE 8, HAYWARD, WI 54843 WILL CONDUCT A DX TEST BETWEEN 12:15 & 12:45 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES, AND "ODD MUSIC". RECEPTION REPORTS MAY BE SENT: MR. TRAVIS OLSON, JR. - ASSISTANT ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, NOVEMBER 15, 1993 - KDAL-610, 425 WEST SUPERIOR, DULUTH, MN 55802 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. MIKE LANGEVIN - OPERATIONS/PROGRAM MANAGER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, NOVEMBER 15, 1993 - WXYT-1270, 15600 W. 12 MILE ROAD, SOUTHFIELD, MI 48076 WILL CONDUCT A DX TEST BETWEEN 1:30 & 2:00 AM EST. THE TEST WILL INCLUDE MORSE CODE AND VOICE ID'S. RECEPTION REPORTS MAY BE SENT: MR. NEIL T. SCHWANITZ (WD8CRT) - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

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)

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, JANUARY 17, 1994 - WOC-1420, 3535 EAST KIMBERLEY ROAD, DAVENPORT, IA 52807 WILL CONDUCT A DX TEST BETWEEN 1:30 & 2:30 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES, AND VOICE ID'S. RECEPTION REPORTS MAY BE SENT: MR. JON BOOK (KB0EDE) - DIRECTOR OF ENGINEERING. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

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TESTS ARRANGED BY THE INTERNATIONAL RADIO CLUB OF AMERICA COURTESY PROGRAM COMMITTEE

BROADCASTING INFORMATION



Editor:
Robert Wlen
1309 Dentwood Drive
San Jose, CA 95118

DEADLINES: 2nd & 4th Saturdays.

Compiled: 10/12/93

Much of this information was compiled from M Street Journal, DXM, and various other sources.

CONSTRUCTION PERMIT ACTIVITY:

MO. Moberly KWIX-1230 changes to 490-N, ND
OK. Oklahoma City KOCV-800 changes to 2500/500 DA-2
PA. Bedford WAYC-1310 changes to 2500-D, ND

FACILITY & PARAMETER APPLICATIONS:

IL. Chicago WSCR-820 1200-N, DA
IL. Vernon Hills WNVR-1030 4000 w.
KY. Shepherdsville WBUL-1470 54-N
PR. Moca WXCQ-1040 5000 w.

FACILITY & PARAMETER GRANTS:

NJ. Mount Holly WJWZ-640 950-N
ON. Ottawa CJSB-540 moves to FM, ends AM service

CALL LETTER CHANGES:

CA. San Diego KKLQ-600 requests KOGO
GA. Cordele WGPL-1490 becomes WUWU
Young Harris WZEL-770 becomes WZCH
MI. Flint WKMF-1470 becomes WENT
MN. Stillwater WTCN-1210 becomes WIMN
MS. Vicksburg WOTA-1490 becomes WVIX
MT. East Helena KVCN-680 becomes KHKR
NY. Baldwinsville WSEN-1050 becomes WFBL
Rome WFRG-1450 becomes WODZ
Syracuse WFBL-1390 becomes WDCW
TX. Austin KMQW-1490 becomes KFCN "Phone"
Fort Worth KNRB-1360 becomes KROM
WA. Wenatchee KWWN-1340 becomes KWWX
AB. Taber CFEZ-1570 becomes CKTA

FORMAT CHANGES:

AL. Decatur WAJF-1490 was talk, AC, now talk
Monroeville WMFC-1360 was super gospel, now country//FM
AZ. Tempe KMQC-1060 was rock//FM, now talk (WOR, Don/Mike,
Liddy, WWI)
CA. Petaluma KTOB-1490 was silent, to be JSN AC
San Francisco KSFO-560 was talk, adds Unis. CNN nx
CO. Denver KOA-850 was nx/talk, adds EFM talk
Rifle KKGQ-810 was oldies//FM, rptd. silent
Wellington KIIIX-600 was AS, adds SMN stds.
FL. Madison WMAF-1230 was gospel, talk, now silent
GA. Hawksville WCEH-610 was soft AC, talk, adds JSN soft AC
Perry WPGA-980 was SMN kool oldies, now SMN urban gold
IN. Indianapolis WTLC-1310 was gospel, talk, R&B, adds SMN Urban
gold
Plymouth WTCA-1050 was AC, talk, now JSN oldies
Washington WAMN-1580 was AC//Fm, now Reach s. gospel

FORMAT CHANGES (CONT.):

LA. Eunice	KEUN-1490	was country, adds SMN Real country
Tallulah	KBYO-1360	was country//FM, adds JSN country
MI. Hallie	WOGO-680	was Super gospel, now Reach s. gospel
MS. Bay Springs	WIZK-1570	was Super gospel, now SMN real country //FM
Yazoo City	WAZF-1230	was southern gospel, adds Reach s. gospel
MT. Laurel	KBSR-1490	was oldies, adds JSN oldies
NE. York	KAWL-1370	was AC, now Unis. country
NV. Las Vegas	KENO-1460	was nx, now ASN sports
	KMTW-1340	was rock, now Unis. CNN Headline nx
ND. Wishek	KDRQ-1330	was country, now silent
PA. Bedford	WAYC-1310	was AC, talk, now talk
Philadelphia	WBEB-560	was EZL, to be religious
SC. Charleston	WUJM-1450	was CHR//WSSP, now SMN stds.//WSSP
Columbia	WOIC-1230	was urban, now SMN urban gold
TN. Berry Hill	WVOL-1470	was SMN urban AC, now SMN urban gold
Chattanooga	WJOC-1490	was silent, now Reach s. gospel
Humboldt	WHMT-1190	was Super gospel, now SEN sports
Jonesboro	WKTP-1590	was EZL//WKPT, now SMN stds. //WKPT
Kingsport	WKPT-1400	was EZL, now SMN AS
TX. Boerne	KBRN-1500	was AC, now silent (will come back to sim. KUBR-1210 San Juan, TX.)
Daingerfield	KEGG-1560	was AS, now AC
Houston	KYOK-1590	was urban AC, talk, now urban gold, talk
Mineral Wells	KJSA-1140	was country, now country//FM
Robstown	KGLF-1510	was silent, now country "Clear"
San Marcos	KUOL-1470	was country, now SS religion (sim. KUBR-1210 along with KVOZ and KCZO)
UT. Salt Lake City	KDYL-1280	was AS, adds Unis. stds.
WA. Vancouver	KVAN-1550	was country, SS, now silent (ends LMA with KWBY-940 Woodburn, OR.)
WV. Welch	WELC-1150	was AC//FM, adds JSN AC//FM
WI. Sparta	WKLJ-1290	was Super gospel, now classic country
AB. Taber	CKTA-1570	was CFEZ, EZL, now country

Rod O'Connor of Kodiak, AK. sends along the following tip:

AK. Fort Yukon KZPA-900 new station now on air, diversified/ethnic/variety format, came on air 9/30

Thanks, Rod!

I'm back from my trip to so. CA & Vegas, had a lot of fun, back to the old grind again, DX is really picking up, 3 weeks till Halloween, boo! 73's.

CORRECTION TO CALL CHANGES:

TX. Fort Worth	KNRB-1360	now KAHZ, <u>not</u> KROM
VA. Richmond	WRNL-910	now WRVH (forgot to include this one, whoops!)

73's, Bob

IRCA Stationery

on white masthead with the IRCA logo and name. Great for using when writing for verifications. 100 sheets, \$5.00. yours today from: IRCA Bookstore, 9705 Mary Ave NW, Seattle WA 98117



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

DX Worldwide - West

Time: UTC phone (503) 861-3185

DEADLINE: MONDAYS

A good turnout this week with reports from Shawn Axelrod, Larry Godwin, and a DXpedition report from Bruce Portzer. I would also like to thank Karl Zuk for a phone call this week, telling me about the move of Radio Vision Christiana to 535 KHZ on 10/7. Heard here fairly good at times. They are running 100KW directional to the SE to South America. So on with reports.

PAN-AMERICAN DX ROUNDUP

- 535 TURKS AND CAICOS ISLANDS, Radio Vision Christiana moved to here from 530. First time s/on at 1200 EDT on 10/7. Heard here at 0700 UTC on 10/8 with ID by man in EE ".....WWRV, Radio Vision Christiana....530 AM..South Caicos....." Followed by Christian programming in SS. At 0729 several mentions of "Radio Vision Christiana" fair to good signals. Had to phase out splash from CBK that was operating AN with CBC FM Service. Anyone hearing this can send a report to Engineering Dept. WWRV-Post Office Box 2908-Paterson, NJ 07509. They are getting QSL cards printed up per their CE-Mr. Janney, VIA Karl Zuk. Thx Karl for the tip. (PM-OR)
- 540 MEXICO, S.L.P.(Monterrey), XEWA-10/1 0250-Good, lively XE mx, ID o/u CBK (SA-MB)
- 730 MEXICO, Mexico D.F.-XEX-10/2 0228 fair-mx and "X-E-X" ID in CKDM null. (SA-MB)
- 800 MEXICO, Cd. Juarez-XEROK-10/2 0223-fair w/lively mx "Radio Canon" ID, in splat (SA-MB)
- 900 MEXICO, Mexico D.F.-XEW-10/1 0240 fair man & woman in talk "XEW" ID. This is getting to be an easy catch. (SA-MB)
- 990 MEXICO, Mexicali-XECL-"Radio Mexicali" s/on 1301 10/2. First play-NA, then inst. cut then full ID. (LG-MT)
- 1130 MEXICO, Toluca-XETOL-fair u/o CKWX with howls and "Radio Lobo" IDs at 0550 on 10/8. Wish they would QSL. (PM-OR)
- 1580 MEXICO, Hermosillo-"La Grande de Sonora" ID 0430 9/24 (SA-MB)
- 1685 COLOMBIA, Mercaderes "MER" beacon moderately strong at 1038 10/1. Faded up quickly, then faded out, LSR? Freq. seemed more like 1688, but hard to get a fix on it because of TVI (LG-MT)

TRANS-PACIFIC DX ROUNDUP

- 531 JAPAN, Morioka-JOQG-NHK 1-good with JJ talk at 1340 10/8 (PM-OR)
- 540 JAPAN, NHK 1 stations here //531 at 1341 10/8 (PM-OR)
- 558 SOUTH KOREA/JAPAN, mix here at 1345 10/8 (PM-OR)
- 567 GUAM, Agana-RGUM-fair in jumble with Larry King show at 1420 on 10/8. (PM-OR)
- 576 RUSSIA, good with man in RR at 1356 10/8 (PM-OR)
- 585 RUSSIA, CC talk and Inst. mx 1337 9/25, assume to be listed Moscow FS, due to muffled audio typical of RR stations (BP-WA*)
- 594 JAPAN, Tokyo-JOAK strong w/JJ talk 1337 9/25 (BP-WA*)
- 603 SOUTH KOREA, KK talk in passing at 1403 10/8 (PM-OR)
- 612 AUSTRALIA, Brisbane-4QR-good w/Pop mx and Aussie talk 1410 9/25(BP) t GUAM, Agana-KUAM-presume the rr mx and man DJ with American accent, into Billy Joel song at 1425 10/8 (PM-OR)
- 639 SOUTH KOREA, man in KK at 1407, at 1408, American Pop song "When I fall in love" New version by M&F on 10/9 (PM-OR)
- 648 RUSSIA, Vladivostok- 1407 9/25 Moscow FS good w/YL in CC (BP-WA*)
- 657 NORTH KOREA, Pyongyang-good w/M&F in KK 1336 9/25 (BP-WA*)
- 693 JAPAN, Tokyo-JOAB-fair to good in CBU splat w/EE lessons //774-JOUB -9/25 (BP-WA*)
- 729 JAPAN, Nagoya-JOCK-1334 9/25 good in CKLG splat (BP-WA*)

- 738 JAPAN, Toyama-JOLR-fair with JJ pops and woman in JJ, ments of Toyama and Kita Nihon Hoso at 1415 10/8. Haven't hrd this in several years-5KW (PM-OR)
- 765 JAPAN, JJ talk in growl on freq at 1418 10/8 (PM-OR)
- 774 JAPAN, Akita-JOUB-loud w/EE lessons 1333 9/25 (BP-WA*)
- 783 RUSSIA, YL in RR good o/unid cl mx 1403 9/25 (BP-WA*)
- 801 t TAIWAN, CBS possible here with alternating ansrs in Taiwanese and Standard CC 1438 10/7. Listed as 250KW. (PM-OR)
- 828 t PHILIPPINES, Cagayan De Oro-DXCC-prob. the Phil. talk u/JOBB at 1438 10/8 (PM-OR)
- 837 t PHILIPPINES, Phil talk in jumble at 1440 10/8 (PM-OR)
- 850 HAWAII, Hilo-KHLO-9/26 1230-Poor, C&W mx "Hawaii's Country KHLO" u/WWJC, no sign of KOA, possibly off-Hawaii #1 finally!!! (SA-MB) (Congrats, Shawn-KHLO doesn't get out too well off the coast, good catch. PM)
- 918 t JAPAN, Kushiro-JOWS-STV, ments of "Hokkaido", couldn't hear 1440 to check // at 1410 to 1417, with Beatles tunes, JJ anser 10/7(PM)
- 954 JAPAN, Tokyo-JOKR-1328 9/25 briefly good w/what sounded like JJ drama. (BP-WA*)
- 963 JAPAN, NHK 1 synchros,time pips M&F in JJ 1400 9/25 (BP-WA*)
- 972 SOUTH KOREA, good w/YL in KK at 1410 10/8 (PM-OR)
- 1008 RUSSIA, Magadan-RR talk,fair 1351 9/25 (BP-WA*)
- 1053 SOUTH KOREA, jammer good 1128 9/25 (BP-WA*)
- 1098 UNID, noisy carrier 1350 9/25 (BP-WA*)
- 1125 JAPAN, UNID JJ talk 1417 9/25 (BP-WA*)
- 1134 JAPAN, Tokyo-JOQR-1323 9/25-strong w/sportscast and string of ads in JJ (BP-WA*)
- 1147.5 PHILIPPINES, Poro-DWVA(VOA)-assumed the het and carrier 1347 on 9/25 (BP-WA*)
- 1179 JAPAN, Osaka-JOOR-good with man in JJ 1320 10/8 (PM-OR)
- 1206 CHINA P.R., Yambian-fair w/KK talk 1125 9/25 (BP-WA*)
- 1242 JAPAN, Tokyo-JOLF-fair w/JJ ads 1308 9/25 (BP-WA*)
- 1251 RUSSIA, Vladivostok-RR talk fair 1307 9/25 (BP-WA*)
- 1287 JAPAN, Sapporo-JOHR-1122 9/25-good w/Sports (BP-WA*)
- 1332 JAPAN, Nagoya-JOSF JJ talk fair in splat 1225 9/25 (BP-WA*)
- 1377 RUSSIA, RR talk good 1344 9/25 (BP-WA*)
- 1404 JAPAN, Kushiro-JOQL-fair on top with YL in JJ //864&1287-listed as 1KW at 1415 10/7. (PM-OR)
- JAPAN, JJ talk 1414 9/25 (BP-WA*)
- 1548 AUSTRALIA, Emerald-4QD-good 9/25 1115 and several rechecks with old pop tunes and Aussie EE talks. This station had been sch. to 756 last Spring. (BP-WA*)
- 1566 SOUTH KOREA, Cheju-HLAZ strong w/Ort. talk 1240 9/25 (BP-WA*)
- 1575 THAILAND, VOFA-fair w/YL in UNID lang. 1142 9/25 (BP-WA*)
- 1584 UNID, pop tunes in Unid lang. dominant over GY like jumble,9/25 1235 and several rechecks-Prob. WSZB (BP-WA*)
- 1593 JAPAN, JOQB/JOTB 1200 9/25 good w/male talk in JJ, NHK Pips,promo by YL Slight echo as though both stations were coming in (BP-WA*)
- 1602 RUSSIA, good w/man in RR 0541 9/25 u/o YL in JJ (BP-WA*)
- 1615 NEW ZEALAND, "OR" good w/code IDs 1108 9/25 (BP-WA*)
- 1630 NEW ZEALAND, Taumaruni "TM" beacon moderately strong at 1021 10/1. No sign of OR-1615 at this time. (LG-MT)
- 1660 UNID, beacon broadcasting "VSTA" (or poss. "VSK" in low CPS Morse code 1135-1145 10/1. Not listed. (LG-MT)
- 1690 UNID, beacon repeated the same letters continuously this time at 1145 10/1, either "SDM" or "SDT" Nothing listed that matches.(LG)
- 1692 UNID, beacon vy weak 1316 10/2. Pretty sure I hrd "6", I think also "B". Nothing listed that matches. (LG-MT)

THANKS TO THESE REPORTERS

- SA-MB SHAWN AXELROD-30 BECONTREE BAY-WINNIPEG,MB R2N 2X9 CANADA
Icom R70 with Plam board and 4,2,4,& .5 KHZ filters, DXing with 4 Foot Box loop and 100 foot LW
- LG-MT LARRY GODWIN-2390 CLYDES DALE LANE-MISSOULA, MT 59801
Hammarlund HQ-150,Sanserino air core box loop
- BP-WA* BRUCE PORTZER-6546 19TH AVENUE NE-SEATTLE WA 98115
DXing at Ocean City State Park,Wa w/FRG-7-300 ft. LW
- PM-OR YOUR EDITOR
Drake R8,Hammarlund SP-600-JX17, Term. 1800 NNW Bev. Ant, 1500' Eastern Bev. Term. 200 SW LW-Ground radial system, Phasing unit, Tune-4 preselector.

DX WORLDWIDE EAST



EDITOR: Jim Hall, 3176 Cheltenham Ct., Gibsonia PA 15044-8435 USA
TRANS-ATLANTIC DX
=====

- 531 | ALGERIA / SPAIN / GERMANY - SEP 12 @ 0437: AA, SS, & possible GG in mess. + SEP 23 @ 0458: AA violin mx. mixed w/ SS & GG stations, signal level was good. (Connelly - MA)
- 531 | SPAIN - SEP 29 @ 0439: SS mx., talk // 774, dominant; fair. (Connelly - MA)
- 549 | ALGERIA - SEP 12 @ 0435: AA a cappella Koranic chant EXCELLENT; killing 550. (Connelly - MA)
- 558 | SPAIN / other - SEP 12 @ 0433: two stn's: one had SS female vocal // 774; fair strength. (Connelly - MA)
- 558 | unID - SEP 29 @ 0435: SS or PP, messy; poor. (Connelly - MA)
- 585 | SPAIN Madrid - SEP 29 @ 0434: romantic SS female vocal // 774; fair through WEEI slop. (Connelly - MA)
- 612 | IRELAND Athlone - SEP 12 @ 0429: US soul vocal, male EE DJ; fair to good. (Connelly - MA)
- 621 | CANARY ISLANDS Santa Cruz, Tenerife - SEP 12 @ 0425: EXCELLENT w/ emotional SS female vocal // 774. + SEP 29 @ 0433: Latino rock, SS talk; good. (Connelly - MA)
- 639 | SPAIN - SEP 12 @ 0423: SS talk to fair peaks. + SEP 27 @ 0404: SS talk o/ others; poor. + SEP 29 @ 0442: calypso-influenced SS mx. // 774; good. (Connelly - MA)
- 648 | SPAIN - SEP 29 @ 0443: SS mx. // 639, 774 et al.; poor. (Connelly - MA)
- 738 | SPAIN Barcelona - SEP 12 @ 0420: man & woman in SS; fair in CHCM/WJIB slop w/ CBL phased. (Connelly - MA)
- 747 | HOLLAND / SPAIN - SEP 12 @ 0418: DD & SS pgm's evenly mixed; fair. (Connelly - MA)
- 747 | HOLLAND Flevoland - SEP 29 @ 0428: UK rock hits; fair. (Connelly - MA)
- 756 | GERMANY Braunschweig / Ravensburg - SEP 27 @ 0401: man in GG; to good peaks. + SEP 29 @ 0427: man in GG o/ several others; good. + SEP 12 @ 0417: probably the one here w/ classical music; fair level. (Connelly - MA)
- 765 | SWITZERLAND Sottens - SEP 12 @ 0415: religious choral mx., FF talk by woman; good + SEP 29 @ 0426: classical mx.; good. With 1566 gone, this one is now obviously the best bet for Switzerland from the US & Canada. (Connelly - MA)
- 774 | SPAIN - SEP 12 @ 0412: operatic SS vocal, then SS talk by woman; very good + SEP 23 @ 0453: fair w/ echoey SS audio; WABC phased. + SEP 29 @ 0425: LOUD w/ female SS romantic vocal //855. (Connelly - MA)

- 783 | PORTUGAL - SEP 23 @ 0452: EXCELLENT w/ hard rock + SEP 29 @ 0445: man in PP; poor to fair + SEP 12 @ 0442: likely the one here w/ US & British rock; poor. This station has notoriously inconsistent performance, sometimes loud and sometimes in the dirt - almost as if power or antenna pattern is being altered often. (Connelly - MA)
- 828 | unID (Spain / ?) - SEP 12 @ 0409: possible SS talk in a horrendous het-growl. (Connelly - MA)
- 828 | SPAIN Barcelona - SEP 24 @ 0407: man in SS o/ growl.
(Connelly - MA)
- 837 | CANARY ISLANDS / SPAIN - SEP 12 @ 0407: man & woman in SS; EXCELLENT, well o/ Azores (PP vocal). (Connelly - MA)
- 837 | AZORES - SEP 25 @ 0720: man in PP, then female PP pop vocal; very good. Getting the Azores in the clear is easy when listening at this time: daylight blanks out the competition farther to the east. (Connelly - MA)
- 837 | CANARY ISLANDS (/SPAIN?) / AZORES - SEP 23 @ 0451: man in SS atop PP stn.; good. + SEP 23 @ 0423: Azores 'winning' w/ PP talk slightly o/ SS stn.; very good. (Connelly - MA)
- 846 | ITALY Rome - SEP 12 @ 0446: poor w/ mx. in bad WHDH slop.
(Connelly - MA)
- 855 | SPAIN Murcia - SEP 12 @ 0445: SS ranting vocal // 774; fair to good. + SEP 29 @ 0420: romantic SS vocal good w/ WHDH phased. (Connelly - MA)
- 873 | SPAIN Zaragoza - SEP 29 @ 0416: SS teletalk; poor to fair.
(Connelly - MA)
- 882 | ENGLAND Washford - SEP 12 @ 0404: BBC news, wx. (rain, high winds), Radio 2 jingle, jazz / Broadway - style vocal mx.; LOUD ! Easy w/ WCBS phased. + SEP 29 @ 0415: nostalgia mx., man in EE, female version of old folksong "Freight Train"; very good - way o/ SS stn. (Connelly - MA)
- 891 | ALGERIA Algiers - SEP 23 @ 0450: man in AA; excellent + SEP 27 @ 0358: AA vocal & strings; LOUD + SEP 29 @ 0459: AA mx., bombing in o/ PP station. (Connelly - MA)
- 891 | PORTUGAL Vilamoura - SEP 29 @ 0413: fair to good w/ PP talk, guitar mx.; briefly dominant o/ Algeria QRM. (Connelly - MA)
- 918 | SPAIN Madrid - SEP 29 @ 0411: SS talk by man; poor. (Connelly - MA)
- 936 | unID (GERMANY ?) - SEP 29 @ 0410: female opera vocal, possible GG talk; poor in mix w/ several other stn's. (Connelly - MA)
- 954 | SPAIN Madrid - SEP 12 @ 0450: US soul hit "Have You Seen Her", SS talk; good. + SEP 23 @ 0449: SS talk; EXCELLENT + SEP 29 @ 0407: "On My Own" hit, SS talk; fair through local WROL - 950 slop. (Connelly - MA)
- 963 | PORTUGAL Seixal - SEP 23 @ 0448: man in PP, o/ growl; poor to fair. (Connelly - MA)
- 981 | ALGERIA Algiers - SEP 30 @ 0502: AA male vocal w/ drums, violins; to good peaks. + SEP 12 @ 0452: likely w/ big carrier, bits of violin mx. (Connelly - MA)

- 999 | SPAIN Madrid - SEP 12 @ 0451: man in SS; EXCELLENT + SEP 29 @ 0405: SS news by man, fair through slop. (Connelly - MA)
- 1008 | CANARY ISLANDS - SEP 12 @ 0455: SS o/ others, in WINS slop; poor. (Connelly - MA)
- 1017 | GERMANY Rheinsender - SEP 12 @ 0456: man in GG good o/others; KDKA phased. + SEP 29 @ 0400: fair w/ disco Muzak, pips, news by man in GG. (Connelly - MA)
- 1017 | unID (TURKEY, MOROCCO, or ALGERIA?) - SEP 25 @ 0344: Middle-Eastern style vocal & string mx.; fair to good o/ others. (Connelly - MA)
- 1044 | MOROCCO Sebaa-Aioun - SEP 12 @ 0458: AA female vocal & group chorus; good, overriding Spain / others. (Connelly - MA)
- 1044 | SPAIN - SEP 24 @ 2342: man & woman in SS; fair. + SEP 29 @ 0401: fast SS news by man; good. (Connelly - MA)
- 1053 | ENGLAND - SEP 12 @ 0500: test tones, then rock // 1089. + SEP 29 @ 0501: test tones, Buggles song "Video Killed the Radio Star" // 1089; good. (Connelly - MA)
- 1062 | DENMARK Kalundborg - SEP 27 @ 0414: Springsteen song, woman in Danish; poor to fair. + SEP 29 @ 0355: "Smile" by Nat King Cole, then man in Danish: GOOD to EXCELLENT, well o/ CJRP slop w/ WBIV & KYW phased. (Connelly - MA)
- 1071 | FRANCE (t) - SEP 29 @ 0450: huge open carrier (Connelly - MA)
- 1071 | unID - SEP 29 @ 0505: possible SS in multi-stn. pile; poor. (Connelly - MA)
- 1089 | ENGLAND - SEP 12 @ 0500: test tones, then rock // 1053; good. + SEP 29 @ 0501: test tones, Buggles song // 1053; EXCELLENT, turning WBAL into a background het. (Connelly - MA)
- 1098 | CANARY ISLANDS / SPAIN - SEP 12 @ 0502: SS talk; good o/ growl. (Connelly - MA)
- 1098 | CZECH REPUBLIC Nitra - SEP 29 @ 0352: Slavic talk mixed w/ Canaries - Spain SS; very good o/ big growl. (Connelly - MA)
- 1107 | EGYPT / SPAIN - SEP 24 @ 2347: AA male vocal o/ SS talk; good. + SEP 29 @ 0351: AA & SS mix very strong. (Connelly - MA)
- 1107 | EGYPT Batra - SEP 25 @ 0340: AA female vocal ... LOUD ! (Connelly - MA)
- 1116 | SPAIN Pontevedra - SEP 29 @ 0351: man in SS; poor to fair. (Connelly - MA)
- 1125 | unID's - SEP 29 @ 0347: potent jamming-like growl. (Connelly - MA)
- 1134 | SPAIN Bilbao et al. - SEP 29 @ 0347: man in SS - like a local ! Adjacent WBBR - 1130 not a problem: it had a "watery" sound indicating that it was "skipping over" - 200 miles being "too close" for good skip on this exceptionally long-skip night on MW. (Connelly - MA)
- 1143 | unID's - SEP 29 @ 0348: 2 or 3 stn's, one possibly in SS; poor. (Connelly - MA)
- 1161 | FRANCE - SEP 24 @ 0423: to good peaks w/ man in FF. (Connelly - MA)
- 1170 | PORTUGAL Vila Real - SEP 29 @ 0346: man in PP, fair atop SS LA; WWVA phased. This might be the second-easiest European on a US channel, after Vatican - 1530. (Connelly - MA)

- 1179 | CANARY ISLANDS / SPAIN - SEP 25 @ 0336: man & woman in SS; fair to good, but very echoey: time delay between landline and satellite feeds to Spain and Canaries transmitters was quite evident. (Connelly - MA)
- 1179 | SWEDEN Solvesborg - SEP 29 @ 0454: Swedish talk by man; excellent w/ WHAM phased. (Connelly - MA)
- 1188 | HUNGARY Szombathely - SEP 29 @ 0335: Hungarian talk by man (language has many sh, ch, z sounds). Signal was very good w/ WOWO phased. (Connelly - MA)
- 1215 | ENGLAND Virgin Radio - SEP 12 @ 0505: Elton John oldie "Saturday Night's Alright", EE talk; to good peaks.
+ SEP 26 @ 0445: EE talk briefly o/ Spain; fair.
+ SEP 29 @ 0331: good w/ "My Best Friend's Girl" by the Cars. (Connelly - MA)
- 1215 | SPAIN - SEP 23 @ 0445: fast SS talk o/ others + SEP 25 @ 0331: fast SS talk: good / dominant. (Connelly - MA)
- 1224 | SPAIN - SEP 26 @ 0449: fast SS talk by man, in slop; poor. (Connelly - MA)
- 1251 | LIBYA Tripoli - SEP 26 @ 0451: male AA chant, violins, flutes; EXCELLENT. (Connelly - MA)
- 1269 | GERMANY Neumunster - SEP 29 @ 0456: man in GG, poor in slop. (Connelly - MA)
- 1296 | SPAIN - SEP 23 @ 0442: SS talk; poor in slop. (Connelly - MA)
- 1296 | SUDAN Rebia - SEP 29 @ 0328: AA-style mx.; good. Look for this one when Egypt - 1107 is loud. (Connelly - MA)
- 1305 | SPAIN / unID - SEP 23 @ 0441: fair to good (o /growl) w/ man in SS. + SEP 29 @ 0327: SS & possible Slav (Poland ?) jumbled; fair strength. (Connelly - MA)
- 1314 | NORWAY Kvitsoy - SEP 9 @ 0348: EXCELLENT w/ man in NN + SEP 29 @ 0326: light US pop hit, NN talk by man; EXCELLENT, way o/ Spain. (Connelly - MA)
- 1341 | NORTHERN IRELAND Lisnagarvey - SEP 12 @ 0506: woman in EE, poor to fair in slop + SEP 29 @ 0458: EE talk, song "I'll Never Get Over You Getting Over Me"; fair. (Connelly - MA)
- 1359 | SPAIN Arganda - SEP 23 @ 0440: man in SS; good. This one was actually better here during the summer. (Connelly - MA)
- 1375 | ST. PIERRE & MIQUELON - SEP 29 @ 0323: man in FF; excellent o/ 1377 het. (Connelly - MA)
- 1377 | FRANCE Lille - SEP 12 @ 0508: FF pop vocal, good; strength equal to that of 1375. (Connelly - MA)
- 1386 | RUSSIA Bolshakovo (t) - SEP 29 @ 0513: possible Slav talk w/ others; poor. (Connelly - MA)
- 1395 | unID (ALBANIA ?) - SEP 29 @ 0514: talk in slop; poor. (Connelly - MA)
- 1413 | SPAIN - SEP 12 @ 0509: SS o/ others (mess); poor. (Connelly - MA)
- 1422 | GERMANY / ALGERIA - SEP 12 @ 0510: GG / AA even mix; fair. (Connelly - MA)
- 1467 | FRANCE Roumoules TWR - SEP 26 @ 0504: man in GG; to good peaks through CKRB-1460 slop. (Connelly - MA)

- 1512 | BELGIUM Wolvtertem - SEP 9 @ 0358: EXCELLENT w/ 8-note chime-like IS w/ xylophone accompaniment: easy w/ WSSH temporarily silent. + SEP 26 @ 0503: to good peaks w/ GG-sounding talk, despite heavy slop from WSSH - 1510 (50 kW @ 9 miles). (Connelly - MA)
- 1521 | SPAIN - SEP 23 @ 0434: fast SS talk; fair to good w/ WWKB phased. (Connelly - MA)
- 1521 | SAUDI ARABIA Duba - SEP 29 @ 0312: AA Koran chant EXCELLENT - ANNIHILATING WWKB !! Signal was hitting S9 + 50 on Drake R8 meter: this is better than most domestics. (Connelly - MA)
- 1530 | VATICAN - SEP 23 @ 0432: EXCELLENT w/ man & woman in GG // 6245. Vatican was WAY o/ WCKY. (Connelly - MA)
- 1544 | WEST SAHARA CLANDESTINE - SEP 24 @ 2316: fair w/ shouting by several men. (Connelly - MA)
- 1548 | ENGLAND - SEP 12 @ 0512: EE talk; good. + SEP 29 @ 0517: poor to fair (in jumble) w/ EE talk. (Connelly - MA)
- 1557 | MALTA Cyclops - SEP 23 @ 0427: GG talk, then AA pgm. / /6025; good. (Connelly - MA)
- 1566 | AZORES Vila de Porto - SEP 24 @ 2312: man in PP; poor to fair. (Connelly - MA)
- 1575 | SPAIN - SEP 23 @ 0421: man in SS to good peaks o/ possible GG or Slavic station. + SEP 24 @ 0437: rock mx., SS talk; good. + SEP 28 @ 0415: fair w/ man in SS // stronger 1584. (Connelly - MA)
- 1584 | SPAIN - SEP 12 @ 0514: very good w/ man in SS. + SEP 23 @ 0420: EXCELLENT w/ man in SS, no trace of the 1585a stn. + SEP 24 @ 2319: fair w/ man in SS. + SEP 26 @ 0516: echoey SS talk by woman & man; EXCELLENT. (Connelly - MA)
- 1593 | GERMANY Langenberg - SEP 13 @ 0422: GG female vocal, a kind of disco & polka mix in styles. + SEP 23 @ 0418: man in GG; poor to fair. + SEP 24 @ 0437: GG talk by man. + SEP 26 @ 0515: LOUD w/ Tina Turner song. + SEP 29 @ 0520: US C&W mx., fair to good but fading wildly. (Connelly - MA)
- 1602 | SPAIN / unID - SEP 23 @ 0417: SS o/ possible EE (Ascension ?); poor. + SEP 26 @ 0516: man in SS; poor in WUNR slop. (Connelly - MA)

REPORT FROM: Mark Connelly - WA1ION
30 William Road
Billerica, MA 01821-6079

RECEIVER: Drake R8

ANTENNA SYSTEM: two slopers (approx. 37 m. each) via noise-reducing transformers to Super-MWDX-5 Phasing Unit & MWT-3 Regen. Tuner

the  page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

JERRY BERG, Chairperson • 38 Eastern Ave. • Lexington, MA 02173 • (617) 861-8481



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:

- (FA) Frank Aden-4096 Marcia Place-Boise, ID 83704
Modified FRG-7, HQ-180A, 180' longwire, 4' box loop, MW-1
- (LG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59801
Hammarlund HQ-150, Sanserino air-core box loop, KIWA loop
- (PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138
Drake R8, 1500' term. Bev., 1800' NNW term. Bev., 200' SW
term. longwire
- (AWP) Art Peterson-851 31st Street-Richmond, CA 94804
FRG-7 with mech. filters, Bendix MN-26C, Radio West loop
- (bp) Bruce Portzer-6546 19th Ave. NE-Seattle, WA 98115
1988 Chevy truck radio, Collins R-390A with KIWA loop
(bp-WA1) DX'ing at Ocean City State Park, Ocean Shores, WA

OF SPECIAL INTEREST

- 1270 KBAM WA, Longview 9/30 1515 back on the air after several days
off, still with C&W music. (PM-OR)
- *****
- 560 KLZ CO, Denver 10/4 with relig. local announcer 0800, then SID
"KLZ, Denver" at 0801. (LG-MT)
- 600 CHRX BC, Vancouver 10/4 0731 calls given while announcer talked
with Brian Shaw of Richmond, BC who had just won a trip to
NYC in station contest. (AWP-CA)
- 710 KNUS CO, Denver 10/4 2152 ID "AM 710, the all new KNUS," then
phone-in talk show. (LG-MT)
- 760 ?KRZN? CO, Thornton 10/4 0555-0610 missed the sked test time due to
turning alarm off & dozing off instead of getting up (grrr!).
However, when I did get up, heard NOS type format way under
KFMB. Did KRZN stay on after test? Couldn't dredge up any
ID's to confirm, though. (AWP-CA)
- CKQR BC, Castlegar 10/4 0615 by this time NOS format had faded
down & replaced by oldies and nice QR-760 ID under KFMB but
stronger than NOS. (AWP-CA)
- 990 KATD CA, Pittsburg 9/28 0130 good with rock music, ex-KKIS. (PM)
- 1040 CKST BC, Vancouver 10/1 1640 new MOR/EZL format, ex-rock. Called
themselves "Q-104-AM." A possible call change in the works?
(PM-OR)
- 1180 KLAY WA, Lakewood 9/30 0800 under KOFI. Anncr. said "KLAY is
owned & operated ..." so maybe s/on. (LG-MT)
- 1480 ?KTNT? ID, Gooding 10/3 1600 "TNT Country," no legal ID heard in
several hours of monitoring. Have they changed from KRXR? I
saw an application for KTNT call change. Fair signal. (FA)
- CKER AB, Edmonton 10/3 2300 ID up over the mess, weak but
readable. (FA-ID)
- 1570 CKTA AB, Taber 10/4 0700 with nice call ID then back to C&W. Some
splash from local KKHI-1550. (AWP-CA)
- 1610 TIS WA, Bridgeport, Chief Joseph Dam on top 10/1 0627. I'll bet
most TIS run NSP. (LG-MT)
- 1637 KVGB KS, Great Bend 9/25 0705 loud spur of 1590 kHz here with
heavily distorted audio, pre-1965 oldies, blocks of news,
weather, sports 0730-0740, 0800-0810. Very strong (thought
it was something nearby at first). Only 10% readable, but

12

managed to catch several call ID's, central TC's, and references to nearby cities & counties. Lost due to sunrise around 0815. (bp-WA1)

LOCAL NEWS

- 1250 KKDZ WA, Seattle began nighttime operation in late July or early August, but signs off by midnight local time (just like their listeners, hi). (bp-WA)
- 1590 KZOK WA, Seattle now classic rock //KZOK-102.5, ex-Z-Rock. Change first noticed 10/5. (bp-WA)

DX TESTS

- 640 WOI IA, Ames 10/4 0300-0332 DX test. Morse code ID's heard several times clearly through nulled KFI, no voice ID's heard. (FA-ID)
- 760 KRZN CO, Denver 10/4 0300-0400 DX test, excellent signal with 1950's MOR music, at 0311 several Morse code ID's ran including some vocal ID's. (FA-ID)
+10/4 0312 code & voice ID's, nostalgia music, good in KKUL splat with CKQR/KFMB nulled. (bp-WA)
(KRZN) Slept thru test time, but tentatively heard later; see 760 in regular section. (AWP-CA)
- 1270 (WQKR) TN, Portland 9/27 0000-0100 nothing heard. (FA-ID)

UNID

- 1150 10/1 0802 Spanish speaker with distorted jingle ID that sounded like "X." (LG-MT)

The contests are underway now. Join in the fun - enter one or more! There has been a request for a DX Partners-Foreign, which would pair up two DX'ers to log foreign stations. If you are interested in entering a Foreign DX Partners contest let me know!!



Proceedings 1992-93 Still Available

The staff of Fine Tuning is hard at work producing the next biennial edition of *Proceedings* (available Fall 1994). However, the current 1992-93 volume is still available for those who have not yet added this important reference work to their DXer's bookshelf.

Proceedings 1992-93 contains some of the most useful information you'll find anywhere for your DXing hobby: thorough receiver reviews (including Drake R8, JRC NRD-535D, and the Lowe receivers), feature articles such as Jerry Berg's complete and illustrated look at shortwave broadcasting in

the 1930's, reviews of antennas and other equipment like the Kiwa Electronics filter modules, retrospective articles on classic communications receivers, and more. Some of the most experienced DXers in the hobby have contributed to this volume, and each article has undergone a rigorous review process. At nearly 200 pages, this book is an essential guide for any DXer.

The cost of this edition is \$19.50 plus \$4.00 postage (US funds on a US bank). Outside of North America, postal costs are \$5.00 surface book rate (3-4 months typical delivery time) or \$17.00 airmail. Make checks or money orders payable to Fine Tuning Special Publications and mail to: **Fine Tuning Special Publications, c/o John Bryant, RRT #5, Box 14, Stillwater, OK 74074 USA**. Special notice: limited quantities of previous *Proceedings* editions are available (1988, 1989, 1990, 1991). Price and shipping costs same as above.



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.
- [TMJ-IL] **Tom Jasinski**, 419 North Raven, Shorewood, Illinois 60435-9640 FRG-7 with Quantum loop, R390A with 2½ foot loop, Sharp QT50.
- [JcJ-MT] Your editor using an Icom IC-R71A with a Radio West loop.

DOWN THE DIAL

- 570 **KLVI** TX, Beaumont. 10/4 good in WIND null. 0326 with call ID and mention of Beaumont and the Dallas Cowboys. [TMJ-IL]
- 580 **KMJ** CA, Fresno. TENTATIVE. 10/4 fair for a few minutes. 0306-0308 with weather report for southern CA and the mountain areas of CA. Into TalkNet with Bruce Williams. I lost this to WIBW and a Mexican. This one was in the same time frame as when KFI-640 was strong. [TMJ-IL]
- 620 **WHEN** NY, Syracuse. 10/1 good in WTMJ null. 0618-0630 with talk. Frequent "WHEN" and mention of Syracuse. First time heard. [TMJ-IL]
- 820 **WSCR** IL, Chicago. 10/4. 0335-0340 with possible test creating a strong het on 823 with strong carrier and weak audio. Signal messed up WBAP and WCCO. No ID heard, but suspect WSCR. [TMJ-IL]
- 1270 **WRJC** WI, Mauston. 9/29 good in WKBF null. 0707-0715 with WI state news. "WRJC Birthday Calendar." Spot for Bank Of Mauston. Juneau County weather. First time heard here. [TMJ-IL]
- 1300 **KMPS** WA, Seattle. 10/3 good in KVOR null. 0645 with C&W music. IDing as "94.1 KMPS." Spot cluster mentioned Seattle. Rare here, not needed. [JcJ-MT]
- 1340 **KWOR** WY, Worland. 9/28. 0637 with "Klix" and "K-war" slogans. Weather, local spots. "KKLX-KWOR" ID. Maybe 24 hours now, but no 0800 sign on. [SA-MB]
- 1360 **KHNC** CO, Johnstown. 9/28 good. 0748 with "AM 13-60 KHNC Johnstown. No left-minded liberals here on the right morning show." This ID into "Unravelling the new world order show." New for me, and unusual. [SA-MB]
- 1400 **KADR** IA, Elkader. 9/28 poor in mess. 0801 "KADR" ID, possible sign on. New. [SA-MB]
KODI WY, Cody. 9/29 good. 0759 with SSB and sign on info. May not be 24 hours anymore. [SA-MB]
- 1580 **WPGC** MD, Morningside. 9/29 fair o/u/CBJ. 0640 w/business news. "WPGC" ID. [SA-MB]

DX TESTS

- 570(WMAM) WI, Marinette. 10/4 NRC DX Test not heard here. Listened 0230-0300, but nothing heard. WKYX dominant with others. Someone with C&W and the other with polka music. [TMJ-IL]
- 640 **WOI** IA, Ames. 10/4 IRCA DX Test. 0300-0330. Poor to good signal w/u/KFI with code and voice IDs. Music. KFI had a potent signal during the first few minutes of the test. WOI is a daytime here, and unneeded. [TMJ-IL]
- 760 **KRZN** CO, Denver. 10/4 very good w/o/WJR and Cuban. 0300-0500 with scheduled DX Test. Voice and code IDs. NOS music. First time heard here. [TMJ-IL]
- 1270(KIOX) TX, Bay City. 9/1 DX Test not heard here. Only CHAT and WKBF. [SA-MB]

unIDs

1120 unID 10/1 poor. 0750 with Suza march music, possible SS talk. May have been two separate stations. [SA-MB]

25 YEARS AGO

October 26, 1968 issue of IRCA's "DX Monitor"....IRCA President Larry Godwin reported that the dissolution of the IRCA and transfer of its assets to a new consolidated club was impossible for this may be done only when a non-profit corporation's assets exceed its liabilities according to Colorado law.... Gordon P. Nelson of the NRC said the NRC has officially withdrawn from the proposed merger for these reasons....Bruce Portzer of Seattle, WA told about KURB-1510 Mountlake Terrace, WA coming on the air.

OPEN MIKE

Democracy is based on the theorem that many men are smarter than one. Keep in mind we are now well into the weekly issues. Turn on those radios, it's a hot season. Don't forget to report your DX! 73, John.

A powerful new radio station has reappeared on AM Radios all over the Western Hemisphere. Radio Vision Christiana is back on the air, now on 535 kHz with 100 kilowatts in Spanish. According to engineer Bob Janney, the station originally appeared on 530 kHz on June 10, 1993, but had to cease broadcasting because their strong signals were reducing the coverage of a navigational beacon on Stella Maris in the Bahamas operating on 526 kHz.

Radio Vision Christiana rebroadcasts the programming of WWRV, 1330 kHz, in Paterson, New Jersey, a New York City suburb. The programming is fed, via leased satellite space provided by National Public Radio, on Galaxy 4, transponder 1, 61.7, 15 kHz mono SPCP. They are a non-commercial religious broadcaster, similar to Trans World Radio, spreading the gospel of Jesus Christ to Spanish-speaking listeners. All transmitter functions are operated from New Jersey using a Berk Technology remote control system; and the organization has installed a single channel Comrex unit for backup audio should the satellite feed fail.

Their 100 kilowatts emits from a Nautel transmitter installed at the site of an abandoned U.S. Coast Guard LORAN station, on South Caicos Island, that was closed down in 1980. The site was also used by the defunct Atlantic Beacon, which operated on 1570 kHz. Radio Vision Christiana bought their assets in June 1991, including broadcast licenses for 100 kW transmitters on 1570 and 530 kHz, 50 kW on shortwave, and 50 kW on 100.1 FM. The old 1570 facility was too far out of repair to revive and operate; and the 530 kHz frequency was capable of a much larger broadcast coverage area, so the decision was made to build a three tower directional facility, on 530 kHz, to serve Central and South America. One tower measures 483 feet tall, and the transmitter building is completely shielded from the salt air. According to Mr. Janney, the antenna site is a perfect place to broadcast on 535 kHz, being completely surrounded by ocean water.

The 530 kHz operation continued to broadcast until America's FCC stepped in to arbitrate a solution to the interference of the Bahamian beacon. Radio Vision Christiana is also the licensee of WWRV, Paterson, New Jersey within FCC jurisdiction. The new move to 535 kHz hopefully alleviate interference problems with the beacon at Stella Maris.

What the affect will be on Radio Grenada, also on 535 kHz with 20 kilowatts, and dozens of broadcasters on 540 kHz who will now be mixed with an annoying five kilohertz heterodyne whistle, courtesy of Radio Vision Christiana, are yet to be seen.

Adding to the confusion, a broadcaster with similar religious programming and ID, calling themselves "Super Power 1020 Caribbean Christian Radio," has recently signed on, also transmitting from the Turks and Caicos Islands. Their programming is being fed from Texas via the same National Public Radio transponder on Galaxy 4!

QSL requests for Radio Vision Christiana should be sent to: Engineering Department, WWRV Radio, P.O. Box 2908, Paterson, New Jersey 07509 USA.



Eastern DX Roundup

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

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

(DLR) David Reitz-Louisville KY: R-1000, Palomar Loop
(RCW) R.C. Watts-Louisville KY: ICF 2010, Select-A-Tenna
(ed) the editor at home with R-392, 2' box loop, Autek QF-1

* HOT TIPS * Of special interest...

1050 WAMN WV, Green Valley 10/4 1150 noted on new frequency (ex 1040)
now totally covering WBRG. (ed)

* AROUND THE DIAL * The regular report...

- 960 KZIM MO, Cape Girardeau 9/26 2025 1cl spots, ID, wx forecast. ID:
"News Radio 96 KZIM." Good. (DLR)
- 1040 WSGH NC, Lewisville 10/4 1200 easily heard now w/WAMN gone. ID:
"WSGH - Lewisville, Winston-Salem." I was hoping for daytime
reception of WQBB-TN but mountains are an effective shield, it
seems. (ed)
- 1130 KAAB AR, Batesville 9/25 2120 wx forecast, ID: "AM 1130 KAAB." REL
tx, REL mx, ID: "AM 1130 KAAB - Arkansas' #1 Christian station,
now 24 hours a day. (DLR)
- 1140 KPWB MO, Piedmont 9/28 2015 1cl spot for J&J Sanitation. ID:
"There's no nicer country - KPWB AM 1140." Into C&W/GOS mx.
Xlnt. (DLR)
- 1160 WODY VA, Bassett 10/4 1210 now easily heard on new frequency. When
they were on 900 they were my most wanted local station. Only 50
air miles away, but two mountain ranges, and WKDW QRM prevented
reception. (ed)
- 1250 WKBL TN, Covington 9/24 2045 1cl spots, HS football (Covington vs.
Ripley.) Good. (DLR)
- 1300 WKXM AL, Winfield 10/3 1925 C&W mx. ID: "WKXM AM 1300, with 30
more minutes of continuous country." Xlnt. (DLR)
- 1320 WNGO KY, Mayfield 9/24 2055 HS football (Mayfield vs. Paducah.)
1cl spots. No ID. (DLR)
- 1330 WOLD VA, Marion 9/25 1925 1cl spot for "Anders Video," PSA (WOLD
Pet Patrol) w/lost & found pet info. ID: "Magic FM 102." Into
oldies mx. (DLR)
- 1400 KSIM MO, Sikeston 9/30 2022 ID: "Sikeston's news and info station,
KSIM Sikeston." Into C&W mx. (DLR)
- 1470 WHRD WV, Huntington 9/27 1920 WV Tourist Info, call 1 - 800 - CALL
- WVA. V good. (DLR)
- 1550 WMDH IN, New Castle 10/2 2311 poor, in/out, fighting WBSC
w/Indiana Hoosiers postgame wrapup. (ed)
- 1580 WAMJ IN, South Bend 10/2 2305 popped up w/wx forecast. Chilly
temps. "Currently, it's 35 in South Bend." Into unID tx show,
gone. First new station in months! There is hope after all. (ed)

* DX SPECIALS * Love them tests!

HEARD:

- 640 WOI IA, Ames 10/4 0302-0307 w/code and voice IDs, very weak. Heard
KFI, Los Angeles v good at 0300. (RCW)
++ right on time w/code IDs easily heard through 640 jam up. Voice
segments could not be distinguished. A badly needed 3 letter
call. Thanks J.D. (ed)

760 KRZN CO, Denver 10/4 0312 w/code & voice IDs and 60s mx. V good signal. (RCW)

NOT HEARD:

570 (WVAM) WI, Marinette 10/4 0230-0300 NRC DX TEST not heard. Did hear strong WVNC Asheville at 0230 w/C&W mx. (RCW)
++ not heard here. Too much WVNC. (ed)

760 (KRZN) CO, Denver 10/4 0300-0500 no sign of it here. Only WJR and R. Reloj. WJR had a MONSTER signal this morning. (ed)

1270 (KIOX) TX, Bay City 10/1 0100 NRC DX TEST not heard. WXYT Detroit heard instead w/nx. (RCW)

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

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

From DAVID REITZ: "Sorry for not reporting more this summer, but I did not touch the dials at all. Hopefully, I will get more time to DX, as time at work seems to be slowing down." (I know the feeling, David. Thx for the kudos. -ed)

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

Thanks to David and R.C. for supporting EDXR this week.

Since it is the beginning of a new season, it seems like a good time to restate the basic dos and don'ts when reporting to EDXR.

DO report as often as you can. DON'T ever feel like you are reporting too often. It is not necessary to type your report, but DO make sure your writing is legible. At this point, I can't think of any reports within the last year that I have had trouble reading.

DO sort your loggings by frequency: this is for your protection. When I have to skip up and down the page, it makes it more likely I'll accidentally omit a logging.

DO use standard abbreviations if you desire, but please DON'T use abbreviations I can't figure out. I use certain standard abbreviations as a matter of course, when appropriate. I will translate other abbreviations into standard form when typing. There are certain places I never use them, such as within quotes. I will un-abbreviate yours if they appear there. I do not use "CW" when referring to Morse Code: it's too much like "C&W." I don't use "CID" or "VID" as abbreviations, these are likely not to be understood by novice members.

DO feel free to liven up your reports with details, but DON'T report in "logbook" fashion. "WZZZ, hrd w/mx" means little or nothing to anyone but you. However, a detailed description of everything the station played, did or said for a 20 minute period has the same effect. Better is the exact wording of IDs, names of firms advertised, names of personalities, etc. DO let your personality come through in your report.

By the way, I do not publish specific details of DX Test reports, for obvious reasons. It is enough to say you heard the test, what kind of programming, and the time heard. If your report is too detailed, I will un-detail it. A few years ago, apparently published reports were used by unscrupulous individuals to attempt to receive QSLs from testing stations. Keep in mind that our bulletin is readily available to anyone who sends Ralph a dollar.

Anyway, that's my spiel for the year: thank goodness it's over! By and large, our EDXR reporters do an excellent job. You are all to be commended. Thanks again, and 73.



The improved NRC AM Radio Log, 14th Edition, is the most accurate listing of AM radio stations in the U. S. and Canada, with cross reference listings. 3-hole punched for standard binders. Only \$16.95 to U. S. and Canadian members; \$19.95 to U. S. non-NRC member; \$20.95 Canadian non-NRC member. Airmail: to Latin America, \$21.00; Europe, \$24.00; rest of the world: \$28.00.

Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax)



IRCA DX TECHNIQUES

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

GETTING STARTED IN MW DXING

By Leonard Hyde

PART 4: KEEPING A LOG:

Every DXer should faithfully keep a log. This is your record of what you have heard. For years out West, I failed to keep one. I remember stations I heard, but I have no record of them. I regret this deeply now, but it's too late to change it.

A log may be simple or complex. This is up to the DXer. Many keep a log of every station they hear. Others log only new stations. Some DXers who have heard thousands of stations no longer keep heard logs, only 'veried': that is, stations that have sent them QSLs in exchange for reception reports.

A growing number of DXers keep taped logs. Thus, you have your log and verie all in one. With the return rate for veries decreasing, this may be the wave of the future in verifying.

There are many different ways to approach log keeping. I'll describe mine. This does not make my way right, or your way wrong: it's just an example.

I keep a heard log in pencil in a spiral notebook. Each DXing session begins with a page heading containing the following: date, time, location, system in use. Since I am researching the effect of local weather conditions and atmospherics on reception, I include a short summary of local weather cx. (i.e. clear, warm; cold, snow on ground, etc.)

Every new station is logged. The time is entered, and a short description of what I heard. IDs and slogans are noted. These will help me ID the station the next time I hear it, and are useful for reporting to the club's DXR columns.

I also log anything out of the ordinary. A normally heard station is stronger, weaker, or absent. Many stations from a certain geographical location may be heard on certain nights that are not normally there. Why?

I also keep a cumulative heard log. At first, I used pencil. Then came the typewriter. Now, I use the computer and printer. This has been discussed and described in some detail in past DX Techniques columns.

Whatever system you devise, stick to it. This is a record of your accomplishments as a DXer. It will be something you will look back upon with fondness and a sense of pride in years to come.

PART 5: BEING A GOOD CLUB MEMBER:

You belong to a radio club: the International Radio Club of America. You may have just joined, or perhaps you've been a member for many years.

It seems many members consider themselves as subscribers to a newsletter. That is fine: nothing wrong with it. There is no requirement that members take an active part in club matters.

However, let me assure you: the amount of enjoyment one derives from anything is proportional to the amount of effort one expends. This is especially true when it comes to being a part of your club.

How does one take part in club activities? There are many ways.

Every two years, IRCA holds a general election, in which officers are elected, from the President to members of the Board of Directors. Any member in good standing is allowed to vote. In addition, there are occasionally other matters in which members are sent a ballot, and asked to vote on.

Other clubs who are not so liberal. In some, members have little, if any, voice or say in matters of club government. In others, voting privileges are extended only to those who take an active part.

You'd think that everyone would exercise this right and privilege. Not so. Usually, the turnout is about 30-40% of the membership.

Another way to take part is through the club's newsletter, DX Monitor. There are a number of columns you may contribute to. If you live in the continental US or Canada, you have a DX Roundup column needing your input. This is where you report your latest catches for others to read. The editor wants you to contribute often: do you?

In the Forums, members can rag chew about their latest hobby related happenings. Does the membership know who you are, what you enjoy, and what you are doing, or is your name just a line on the membership list to them?

There are columns for foreign loggings. There is the Technical Column, Hearing It Through The Grapevine, DX Techniques, Verification Signers, and DX Records. In short, there is something for nearly everybody.

These columns depend on member support. If there is none, the columns do not appear. If the columns fail to appear, soon there is no DX Monitor, and soon, no club.

Thankfully, there are regular reporters who keep these columns going. Ideally, everyone in the club would occasionally contribute something here or there. This makes for a more informative bulletin, and a more enjoyable club experience for all involved.

So, ask yourself: when was the last time I sent something in to the club bulletin? (To Be Continued.)



Western DX Forum ★ ★ ★ ★ ★

Reid Wheeler 5910 Boulevard Loop SE Olympia, WA 98501

Deadline: Saturday 2 weeks before publication

Bill Hardy, 2301 Pacific Ave, Aberdeen WA 98520-4527

[10/6] The first set of proposals to the new Board of Directors will be going out this month. First item of business for the new Board is reconfirmation of editors. I've tallied up DXM's from Sept. 1991 to Aug. 1993 to see how many pages each editor produced and how often. Editors, weekly and occasional, who have produced columns consistently will get the best endorsements for reconfirmation. I won't delay the reconfirmation process to wait for convention bids. But nobody has asked former President Phil or myself for a bid form as of Oct. 6. So I guess I'll have to "strongarm" several people who expressed interest in hosting the 1995 convention, and see if they can hold it in 1994 instead! No DX of late. However, I've been actively promoting IRCA and NRC DX tests on the bulletin boards of the Prodigy computer service. I signed onto Prodigy in July, and by September I was posting notes on the Radio topic of the Arts board, and the More Radio Hobbies topic of the Hobbies board. I learned about the San Francisco musical chairs; KSFO-560 dropping FM Oldies for talk, KFRC-610 dropping nostalgia for FM oldies, and KABL-960 dropping FM light adcon for satellite nostalgia. Quite a few radio industry types are on the Radio topic, and I'll ask several for Almanac info. I've gotten much info from a Minnesota student, and I'm promoting DX and IRCA among several potential members. Anyone with Prodigy can send me a message at FMFT21A. Nancy is FMFT21B. I'm also contemplating a trial of CompuServe. Finally, I apologize for the lack of Almanac Updaters. People assured me they'd be sending material, which I haven't seen yet! But as I get caught up on the backlog of other projects, you should be seeing some updaters in preparation for the next complete Almanac. Thanks to everyone who's sent material in so far! 73 and good DX.

----- 31-6 -----

A DXers TECHNICAL GUIDE

Now in its 2nd edition, this 120 page book answers questions on receiver and antenna theory, how to make them work better, what audio filters and loop antennas will do for you (and hints on their construction), how to build a beverage and phasing unit, and much more. Only \$5.50 for IRCA members, \$6.50 for non-members (overseas airmail add \$2.50). Order your copy today from: IRCA Bookstore, 9705 Mary Ave NW, Seattle WA 98117

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EASTERN

DX

FORUM

DEADLINES: SATURDAYS

Richard C. Evans
P.O. Box 21883
Milwaukee, WI 53221-0883

Phone: 414-ATlantic 2-9035

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

A.J. and I drove to Hardinsburg, KY to see WHIC-1520/94.3. All the facilities have been renovated, FM power upped to 50 kw and a new tower erected near Irvington. Calls itself "Your Country Power House" and heard very well in Louisville. The FM, that is! Paul B. Daniel, the GM, gave me a nice cap and free run to take pix. A.J. didn't get anything, so I had to buy her a hawgburger on the way home. Speaking of hawgs, Fats Porker indicated that Hawg Radio may be on for Halloween as "The Voice of the Ghost Hawg". Listen for the de-stinktive rootin' hawgs interval signal. In the Butchertown neighborhood of Louisville they say the Ghost Hawg roams the streets and back yards on dark nights, looking for the evil butcher who made sausage out of him over a hundred years ago. If you eat pork sausage, BEWARE the Ghost Hawg! On 9/27 about 1910 EDT I heard West Virginia visitor information being broadcast on 1470. Typical TIS format but no identification during the 15 minutes I could hear it. Probably on I-64 near Huntington. I called the Tourism Div. in Charleston (1-800-CALL WVA) right away for an address and mailed a report the next morning. Perhaps will have more info in due course. 73 de Col. DX.

Ernest Cooper, 5 Anthony Street, Provincetown, Massachusetts 02657-1703

Very little AM DXing was done during the summer months, but I'm gradually getting back to that good old band. I too heard WWRV, New York, on 530 kHz, on my GE Superadio #1, and I've learned that it was being relayed by a new religious station in Turks & Caicos, I believe it was. I have also heard that this station has already gone belly-up. It sure puzzled me when I first heard this oddity! My AM verie count stands at 4428. I'd love to get to 4500, but time marches on, and one can't go on forever, so I'm setting my sights, at least for this season, at 4444. I feel that those four or five scheduled DX tests over the Labor Day weekend were someone's idea of a joke, or a hoax. Why would anyone schedule those tests when a good portion of the potential audience was attending a convention? Neither ours nor NRC's bulletins credited anyone with having arranged them, I note. Dave Schmidt, of the NRC, said at the NRC Convention that he had no knowledge of the sked test from WCEI-1460-MD - and he's their Chief Engineer! He phoned the station, and nobody there anything about any DX test! There were quite a few IRCans at the NRC Convention, and it was great seeing Joe Fela there - a DX friend for over two decades. Back to the friendly dials: Fri. 9/10 brought WZAN-970-ME, ex-WYNS/WCSH, now all talk, and of course, NSP. No verie yet, but Stan Morss got his. On Sunday AM 9/26, I noted unn CKTY-1110 almost even with WBT, CKTY w/C&W. Then a real pleasant surprise, when at 0257 I landed WBBD-1600-WV almost even with the WUNR/WWRL barricade, for a report, with "the original hits of the 40s, 50s and 60s on WBBD". From Sunday 10/3 AM on I've noticed WPRO-630-RI is either silent during the wee hours, or is operating with a different night pattern, as they were not noted, but nothing new heard there. And, after both were SS during the early morning hours, now WSSH-1510-MA and WWKB-1520-NY are both doing AN sports, not parallel, however. This seems to be a rapidly-gaining format! So, let's enjoy this new DX season, and let's contribute to the Monitor and make it that much more interesting! Our local WOMR-91.9 has gotten a CP to move to 92.1 and increase power to 6,000 watts. Now, all we have to do is raise the money to take advantage of this upgrade! Forward - March!

Richard Eckman, 9 Still Harbor Court, Hampton, Virginia 23669

Hi. I've been impressed with the quality of recent issues of DX Monitor. It's great to see a lot of support in the DX columns and interesting feature articles. As usual, I have to admit to be

relatively inactive in recent months. I did finally modify my Kenwood TS-850S for improved BCB sensitivity. It's now a pretty hot rig, but I haven't taken too much advantage of the good TA conditions that Mark Connelly keeps me informed of via electronic mail. I've been overwhelmed so far this autumn with teaching an evening course at a local university. Also, due to my lack of time, I've recently submitted my resignation as the club's ANARC representative. I just didn't think I was doing justice to the job. I hope that someone steps forward to replace me soon. I will of course remain as the representative until a replacement is appointed. I hope to get more active on the bands later this autumn. 73.

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

For almost 30 years, I've wanted a Hammarlund HQ-129X, every since I saw one in action at Frank Merrill's place south of Ann Arbor, Mich. during the middle 1960's. Sunday night, after church, I was talking with a ham, asking him about local hamfests. I told him I was looking for a HQ-129X. His immediate reaction was "Why?", then it turned out he had had one until he sold it about three years ago--for \$50. His feeling is that I should be able to find one easily, but that there is better stuff on the market now. He said there is no big radio club in Milwaukee, for some unknown reason, but that many of the suburbs do have one, and that most of them have a hamfest each year so that is usually one going on quite often. The big one in the area is in Waukesha. According to the 10/11 Milwaukee Sentinel, local WMVP-1290 may become WMCS by the end of the month if the FCC approves it. Apparently, WLUP-1000 in Chicago is now all talk-sports and wants the WMVP calls bad enough to be willing to pay the Greenfield, Wisc station all the costs involved to turn the calls over to the Chicago station. Costs are estimated at \$50,000 to \$60,000 to cover such things as graphics, letterheads, etc. I was up MM 10/11 but no tests were heard here. Only thing heard was a satellite news/apparent satellite nostalgia format on 1390 which kept IDing as "Magic" but no calls in about 3 hours. I did hear a mention finally about being the oldies station for central Minnesota, so I figure it was the St. Cloud station. It was over/under WGCI in Chicago which didn't help any. 73.

IRCA Reprints

The IRCA maintains a large file of articles which have appeared in past issues of DX Monitor. These articles cover a wide variety of topics, including: antenna theory and construction, tips for the foreign BCB DXer, how to improve your DXing skills, history of DXing and broadcasting, lists of stations by subject, construction projects and receiver modification, receiver reviews, medium wave propagation, and more. Copies are available for a nominal charge. For a list of reprints, send \$1.00 to:

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IRCA Foreign Logs

The IRCA has published nine volumes of the IRCA Foreign log. Each volume contains several hundred actual tips that were reported to the DXWW sections during an entire year, compiled and retyped in a book format. In addition, special features include: articles on foreign DXing (volumes 6, 7 and 8), utility lists (volumes 7 and 8), shortwave parallels (volume 8) and BCB propagation (volumes 6, 7 and 8). The IRCA Bookstore still has volumes 3, 4, 6, 7 and 8 of the IRCA Foreign Log available for \$2.50 each (overseas airmail add \$2.50/book). Order your copy today from: IRCA Bookstore, 9705 Mary Ave NW, Seattle WA 98117

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Hearing It Through The Grape Vine

SHAWN AXELROD, 30 Becontree Bay, Winnipeg, MB R2N 2X9 Canada (204) 253-8644 before 2300 E.L.T.

CONTRIBUTORS THIS MONTH

MIKE BROOKER 99 WYCHCREST AV TORONTO ON M6G 3X8
 MIKE SANBURN PO BOX 1256 BELLFLOWER CA 90707
 BRUCE PORTZER 4546 19 AV NE SEATTLE WA 98115
 BRUCE CONTI 46 RIDGEFIELD DR NASHUA NH 03062-1174
 KARL ZUK 154 OLD POST ROAD N CROTON ON HUDSON NY 10520
 PATRICK MARTIN PO BOX 843 SEASIDE OR 97138
 ROBERT WIEN 1309 DENTWOOD DR SAN JOSE CA 93118
 YE OLDE EDITOR AS ABOVE

ROBERT WIEN	PROVINCE OF THE MONTH	MANITOBA	
580 CKY Winnipeg	One MM in 83	990 CBW Winnipeg	Common U/KKIS
1050 CKSB Winnipeg	MM's in '80's	1150 CKX Brandon	Once in 70's
1220 CJRB Boissevain	MM in 1987		

MIKE BROOKER			
580 CKY Winnipeg	Heard in 77	680 CJOB Winnipeg	82 CFTR SP
730 CKDM Dauphin	Heard in 76	810 CKJS Winnipeg	Late '70's
880 CKLQ Brandon	SSS in 88	920 CFRY Portage la P.	Heard '82
990 CBW Winnipeg	Dominant nites	1150 CKX Brandon	Heard '80
1570 CKLQ Brandon	Heard '78		

PATRICK MARTIN			
580 CKY Winnipeg	Occ in 60's	630 CKRC Winnipeg	Rare in 60's
680 CJOB Winnipeg	Rare u/KNBR	730 CKDM Dauphin	Occ in winter
810 CKJS Winnipeg	Very rare	950 CFAM Altona	Very rare
990 CBW Winnipeg	Reg at nite	1050 CKSB Winnipeg	Rare '60s
1290 CFAM Altona	Once in 60's from AK		

MIKE SANBURN
 990 CBW Winnipeg **OFTEN!**

BRUCE PORTZER			
580 CKY Winnipeg	Rare	680 CJOB Winnipeg	Rare KNBR SP
730 CKDM Dauphin	Occasionally	810 CKJS Winnipeg	Rare
920 CFRY Portage La P.	Not since 70	950 CFAM Altona	Once in 60's
990 CBW Winnipeg	Most nites	1050 CKSB Winnipeg	Not lately
1150 CKX Brandon	Once or twice	1250 CHSM Stienbach	Once in 70's

YE OLDE EDITOR
 All of the above plus:
 630 CKRC Winnipeg **BIG pest** 590 CFAR Flin Flon From Swan River
 1230 CHFC Chuchill **Once** 1240 CJAR the Pas From Swan River
 1290 CIFX Winnipeg **Big pest** 1570 CKMW Morden Day and nite

Someone want to know where the column title came from. Well for one it sounded neat and I thought that by seeing it here you would get the info via the grapevine so to speak. Weird but true!!!

FREQUENCY OF THE MONTH: 1110 KHZ

KARL ZUK			
WBT Charlotte NC	Dominant nites	WTBQ Warwick NY	
CKJD Sarnia ON		WHIM E Providence RI	
WSFW Seneca Falls NY			
BRUCE CONTI			
WBT Charlotte NC	Reg at nite	WHIM E Providence RI	Reg nites
WNNW Salem NH	Local daytime	WTBQ Warwick NY	SSS 1979
WUHN Pittsfield MA	Daytime DX	CKTY Sarnia	Nite Regular

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BRUCE POTRIZER				
KJTT Oak Harbour WA	Semi local	KBND Bend OR		Strong nites
KFAB Omaha NE	Many nites	KRLA Pasadena CA		In KNBD SP
KRCX Roseville CA	SRS/SSS	WBT Charlotte NC		Once in 60's
XERED Mexico City	Rare	KAOI Kihei HI		Regular

MIKE SANBURN				
KRLA Pasadena CA	Local	KFAB Omaha NE		In KRLA SP
XEVS Hermosillo	In 1989			

PATRICK MARTIN				
KRLA Pasadena CA	Occ at nite	KRCX Roseville CA		Reg at SSS
KHEI Kihei HI	Occ in 80's	KAOI Kihei HI		Occ at nite
KFAB Omaha NE	Semi reg u/KBND	WBT Charlotte NC		Occ in 60's
KBND Bend OR	Reg day/nite	KJTT Oak Harbour WA		Reg days
CHQT Edmonton AB	Reg in 60's & 70's			

MIKE BROOKER				
WBT Charlotte NC	Dominant at nite	CKTY Sarnia		"\$%!e& PEST
KFAB Omaha NE	SRS u/CKTY	WZAM Norfolk VA		Equip Test '77
WSFW Seneca Falls NY	SSS in 1977	WJSM Martinsburg PA		SSS in 1977
WJML Petosky MI	SSS in 1980	WTBQ Warwick NY		Storm of 1986
WMBI Chicago IL	SSS or SRS	WUHN Pittsfield MA		SRS 1990
WNNW Salem NH	SRS SSS 1990	YVQT Carupino VEN		1977

ROBERT WIEN				
KRLA Pasadena CA	Dominant nites	KFAB Omaha NE		Occasional
KBND Bend OR	Reg at nite	KRCX Roseville CA		Day and nite
CHQT Edmonton AB	Once at SRS	KEOR Atoka OK		MM S/ON in '81
XERED Mexico City	MM in 1982	KHAC Window Rock NM		Once on F/C
WBT Charlotte NC	MM in 1984			

YE OLDE EDITOR

KFAB Omaha NE	Dominant nites	XERED Mexico City		Rare
WJML Petosky MI	Occ SRS	KBND Bend OR		Once SRS
YVQT Carupano VEN	Once	CKJD Sarnia ON		Rare
WMBI Chicago IL	Rare SRS	WBT Charlotte NC		Occ SRS SSS
WUNN Mason MI	Once SRS	WNNW Salem NH		DX TEST
WKRA Holly Springs MS	Once	R Angulo Holguin Cuba		Once nites

BANDSCANS FROM KARL ZUK

ROCHESTER NY

950 WBBF	40-60's hits	990 WCMF	Hard rock	1180 WHAM	News talk
1280 WPXY	Contemp. hits	1370 WXXI	NPR Jazz	1460 WWWG	Christian ethnic

ROCHESTER REGIONAL NY

850 WYLF	BBD NOS	1030 WYSL	News talk	1110 WSFW	Contemporary
1140 WCJW	C/W MX	1240 WGVA	Classic gold	1320 WHHO	Talk radio
1380 WABH	AC MX	1400 WDNY	C/W MX	1420 WACK	A/C Sports
1490 WBTA	News and Info	1550 WCGR	Classic Gold	1570 WFLR	C/W MX

WASHINGTON DC BANDSCAN

570 WTEM	Sports	630 WMAL	News Talk	730 WCPT	CNN News
780 WABS	Contemp Christ.	820 WQSI	C/W MX	900 WILC	Contemp. Latin
930 WfMD	A/C MX	950 WCTN	Christian MX	980 WWRC	Talk
1030 WNTL	Ethnic	1050 WKDL	Children's	1120 WUST	GOS TLK MX
1150 WMET	News Talk	1200 WAGE	News A/C	1220 WFAX	Inspirational
1260 WWDC	Personality	MOR1300 WJFK	Talk Jazz	1310 WDOCT	Inspirational NX
1340 WYCB	Inspirational	1390 WMZQ	C/W MX	1450 WOL	Soul Talk
1480 WPWC	C/W MX	1500 WTOP	News Talk	1540 WMDO	Latin MX NX
1560 WMOM	MOR MX	1580 WPGC	Business NX	1600 WINX	Oldies

Well quite a mix in DC. I hope that your politicians get some inspiration from all of those inspirational stations that are in town. Maybe the CRTc would license a station to inspire our leaders in Ottawa some day !!!

NEXT TIME WE WILL HAVE

STATE OF THE MONTH SOUTH DAKOTA

FREQUENCY OF THE MONTH 700 KHZ

Remember on a clear day you can hear forever. 73 Shawn

Table 2: "upper level" parts list

*: Note follows parts list.

Vendor codes for this and subsequent parts lists:

DC = DC Electronics / P. O. Box 3203
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/Tel. 1-800-467-7736

DK = Digi-Key / P. O. Box 677
/Thief River Falls, MN 56701-0677
/Tel. 1-800-344-4539

GER = Gerber Electronics / 128 Carnegie Row
/ Norwood, MA 02062
/Tel. 1-617-769-4852, 769-6000

MCL = Mini-Circuits Lab. / P. O. Box 350166
/ Brooklyn, NY 11235-0003
/Tel. 1-800-654-7949

MOU = Mouser Electronics / 11433 Woodside Ave.
/ Santee, CA 92071
/Tel. 1-800-346-6873

RS = Radio Shack / Many locations worldwide

15	R1,2	resistor, 270 ohm	MOU	29SJ250-270	2
16	R3,4	resistor, 15K	MOU	29SJ250-15K	2
17	R5	resistor, 470 ohm	MOU	29SJ250-470	1
18	RFC1,2	inductor, 4.7 mH	MOU	434-1120-473K	2
19	RFC3	inductor, 2.2 mH	MOU	434-05-222J	1
20	S1	swch, SPDT, on/off/on	MOU	10TA535	1
21	S2	switch, DPDT, on/on	MOU	10TA560	1
22	S3	switch, SPDT, on/on	MOU	10TA530	1
23	T1	RF transformer, 1:36	MCL	T36-1-I65	1

* Item 7: BUF-B (Table 6) may be used in place of BUF-A.
Misc. items: hook-up wire, buss wire, solder, labels "AS REQUIRED"

Table 3: (M1) VRLY-A Varactor & Relay Card parts list
See Table 2 for vendor codes.

Schematic = Figure 3 / Assembly = Figure 4.

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	-	perfboard: 1.4"X1.4"	RS	276-1396 (cut)	1
2	C1,2,4	capacitor, 0.1 uF	MOU	539-CK05104K	3
3	C3	capacitor, 270 pF	MOU	232-1900-270	1
4*	D1,2	varactor, MVAM109	DC	MVAM109	2
5	D3	zener, 1N4733 (5.1V)	RS	276-565	1
6	H1,2,3,4	screw, 4-40 X .25"	MOU	572-01880	4
7	H1,2,3,4	spacer, 4-40 X .5"	MOU	534-1450C	4
8	H1,2	split lockwasher, #4	MOU	572-00649	2
9	H3,4	solder lug, #4	MOU	534-7311	2
10	K1	relay (5V DIP SPST)	MOU	433-D31A311	1
11	(for K1)	DIP socket, 14 pin	RS	276-1999	1
12	P1-6	flea-clip/.042"hole	MOU	574-T42-1/100	6
13	R1	resistor, 1K	RS	271-1321	1
14	R2	resistor, 270 ohm	MOU	29SJ250-270	1
15	RFC1,2	inductor, 4.7 mH	MOU	434-1120-473K	2

+ buss wire, solder - as required

* Item 4: Motorola MVAM108 or Siemens BB112 may be substituted directly. NTE618 may be substituted if the maximum control voltage is raised from +9.1 VDC to approximately +11 VDC.

Table 4: (A1) BFE-C Balanced Front-End Card parts list
See Table 2 for vendor codes.

Schematic = Figure 5 / Assembly = Figure 6.

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	BD	perfboard:1.9"X1.4"	RS	276-1396 (cut)	1
2	C1,2,3,4	capacitor, 0.1 uF	MOU	539-CK05104K	4
3	H1,2,3,4	screw, 4-40 X .25"	MOU	572-01880	4
4	H1,2,3,4	spacer, 4-40 X .5"	MOU	534-1450C	4
5	H1,2,3	split lockwasher,#4	MOU	572-00649	3
6	H4	solder lug, #4	MOU	534-7311	1
7	L1,2	inductor, 100 uH	MOU	43LS104	2
8	L3,4	inductor, 1 uH	MOU	43LS106	2
9	P1-P19	flea-clip/.042"hole	MOU	574-T42-1/100	19
10	Q1,2,3,4*	FET, MPF102	RS	276-2062	4
11	R1	resistor, 1K	RS	271-1321	1
12	R2	resistor, 47 ohm	MOU	29SJ500-47	1
13	R3,4,5,6	resistor, 2.2K,1%	DK	2.21KX	2
14	T1	balun transformer	MCL	T4-6T-X65	1

+ buss wire, solder - as required

* Item 10: Q1 should be matched to Q2; Q3 should be matched to Q4. See Figure 7.

Table 5: (A2) BUF-A Buffer Amplifier card parts list
Vendor codes per Table 2.

Schematic = Figure 8 / Assembly = Figure 9.

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	BD	perfboard:1.2"X2.0"	RS	276-1396 (cut)	1
2	C1	capacitor, 0.01 uF	MOU	539-CK05103K	1
3	C2	capacitor,10uF tant	MOU	581-10K35	1
4	C3	capacitor, 0.001 uF	MOU	539-CK05102K	1
5	C4,5	capacitor, 0.1 uF	MOU	539-CK05104K	2
6	H1,2	screw, 4-40 X .25"	MOU	572-01880	2
7	H1,2	spacer, 4-40 X .5"	MOU	534-1450C	2
8	H1,2	solder lug, #4	MOU	534-7311	2
9	P1-7	flea-clip/.042"hole	MOU	574-T42-1/100	7
10	R1,2	resistor, 680K	MOU	271-680K	2
11	R3	resistor, 100 ohm	MOU	271-100	1
12	R4,5	resistor, 4.7 ohm	MOU	295-4.7	2
13	T1	RF transformer, 4:1	MCL	T4-6T-X65	1
14	U1	buffer amplifier IC	GER	(National)LH0033CG	1

+ buss wire, solder - as required

Table 6: (A2) BUF-B Buffer Amplifier card parts list

BUF-B may be substituted for BUF-A for more gain at rural locations.
Vendor codes per Table 2.

Schematic = Figure 10 / Assembly = Figure 11.

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	BD	perfboard:1.4"X2.4"	RS	276-1396 (cut)	1
2	C1,5,9	capacitor, 0.01 uF	MOU	539-CK05103K	3
3	C2,3,4,7,8	capacitor, 0.1 uF	MOU	539-CK05104K	5
4	C6,10	capacitor,10uF tant	MOU	581-10K35	2
5	H1,2	screw, 4-40 X .25"	MOU	572-01880	2
6	H1,2	spacer, 4-40 X .5"	MOU	534-1450C	2
7	H1,2	solder lug, #4	MOU	534-7311	2
8	P1-9	flea-clip/.042"hole	MOU	574-T42-1/100	9
9*	Q1	MOSFET, NTE222	MOU	526-NTE222	1
10	Q2	NPN, 2N5109	MOU	511-2N5109	1
11	R1	resistor, 330K	MOU	29SJ250-330K	1

12	R2	resistor, 51 ohm	MOU	29SJ500-51	1
13	R3,8	resistor, 270 ohm	MOU	29SJ250-270	2
14	R4	resistor, 100K	RS	271-1347	1
15	R5	resistor, 47K	RS	271-1342	1
16	R6	resistor, 680 ohm	RS	271-021	1
17	R7	resistor, 1K	RS	271-1321	1
18	R9,11,12	resistor, 4.7 ohm	MOU	295-4.7	3
19	R10	resistor, 39 ohm	MOU	29SJ500-39	1
20	RFC1	inductor, 2.2 mH	MOU	434-05-222J	1
21	T1	RF transformer, 4:1	MCL	T4-6T-X65	1

+ buss wire, solder - as required

* Item 9 - 3N201, 40673, or NTE454 may be substituted (Q1).

Table 7: small hardware parts list, comprised of tables 7A - 7D
See Table 2 for vendor codes.

Note: Mounting hardware is supplied with the following
components: J1, J2, J3, J4, S1, S2, S3.

*** Table 7A = M1 mounting hardware (excluding Table 3 items) ***

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	-	screw, 4-40 X.25"	MOU	572-01880	4
2	-	split lockwasher, #4	MOU	572-00649	4

*** Table 7B = A1 mounting hardware (excluding Table 4 items) ***

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	-	screw, 4-40 X.25"	MOU	572-01880	4
2	-	split lockwasher, #4	MOU	572-00649	4

*** Table 7C = A2 mounting hardware (excluding Table 5/6 items) ***

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	-	screw, 4-40 X.25"	MOU	572-01880	2
2	-	split lockwasher, #4	MOU	572-00649	2

*** Table 7D = grounding hardware ***

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	G1,G2	screw, 4-40 X.375"	MOU	572-01881	2
2	G1,G2	solder lug, #4	MOU	534-7311	2
3	G1,G2	hex nut, 4-40	MOU	572-00484	2

See Table 1 for M1, A1, A2, G1, G2 locations.

Locate screw heads & lockwashers for M1, A1, & A2 on exterior
surface of the chassis box.

Locate G1 & G2 screw heads on exterior surface of chassis box and
locate G1 & G2 lugs and nuts inside the box.

Table 8: wiring / component connections

Notes:

- Wire types: D = direct connection using component's own lead
I = insulated wire, approx. #22 AWG
B = bare solid (buss) wire

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

3. J1-C and J2-C (of Figure 1) are tied to chassis ground via direct mechanical connection. On J1 and J2, the following convention applies to the mating of stereo headphone plugs to these jacks:

A = tip of plug

B = center section of plug

C = remaining (base) section of plug (= ground)

INSIDE BOX			
wire #	From	To	Description
1	J3	A2-P5	3" I
-	J3	RFC3 side 1/R5 side 1	D
-	RFC3 side 2/R5 side 2	C5 "+" /C6 side 1	D
-	C5 "-" /C6 side 2	G2	D
2	RFC3 side 2/R5 side 2	A1-P4	3.5" I
3	RFC3 side 2/R5 side 2	A2-P3	1.5" I
-	J2-A	RFC1 side 1	D
-	RFC1 side 2	R1 side 1	D
-	R1 side 2	C2 "+" /C3 side 1	D
-	C2 "-" /C3 side 2	G2	D
4	R1 side 2	M1-P3	4" I
-	J2-B	RFC2 side 1	D
-	RFC2 side 2	R2 side 1	D
-	R2 side 2	C4 side 1	D
-	C4 side 2	J2-C	D
5	R2 side 2	M1-P4	4" I
-	T1 pin 4	A2-P2	D
-	T1 pin 6	A2-P1	D
6	T1 pin 1	A1-P6	1" I
7	T1 pin 3	A1-P7	1" B
8	A1-P1	M1-P1	3" I
9	A1-P2	M1-P2	3" I
10	S2A arm	M1-P1	2" I
11	S2B arm	M1-P2	2" I
12	R3 side 1	M1-P1	0.5" B
-	R3 side 2	S3 'Low Q'	D
13	R4 side 1	M1-P2	0.5" B
-	R4 side 2	S3 arm	D
14	S2A 'Loop'	J1-A	3.5" I
15	S2B 'Loop'	J1-B	3.5" I
16	S2A 'Whip'	S1 arm	2" I
17	S2B 'Whip'	L1/L2/L3 side 1 jct's	2" I
18	L1/L2/L3 side 1 jct's	G1	1" B
-	L1 side 2	S1 arm	D
-	L2 side 2	S1 'MW'	D
-	L3 side 2	S1 'TB'	D
19	S1 arm	C1 side 1	2" I
-	C1 side 2	J4	D
-	J4	DS1 side 1	D
20	DS1 side 2	G1	1" B

Conclusion

=====

The RTL-2 can provide remotely-tuned loop, whip, and wire operation that can allow DXing from apartments, parked vehicles, underground rooms, and other locations at which a loop or other antenna located right at the receiving position would not function due to excessive shielding and / or electrical noise. Two RTL-2's can be phased to produce a cardioid pattern to null interference from the direction opposite that of desired DX stations. Such dual RTL-2 operation is done with a DCP-1 Dual Controller / Phaser, or with an equivalent device. Regeneration provided by a controller such as the MWT-3 can make an RTL-2 with Quantum head comparable in performance to regeneration-equipped loops made by Kiwa, Martens, and Ken Cornell. Both the MWT-3 (regen.) / single RTL-2 and the DCP-1 (phaser) / dual RTL-2's configurations have served me very well on DXpedition trips to beaches and other choice DX sites not offering sufficient space or privacy for large wire antennas.

The modular design of the RTL-2 makes it a good platform for further enhancements as DXers play with various circuit card designs. It is the author's intention that others will freely "tweak" the design and present their findings in the pages of the major DX journals.

For a treatment of an air-core remotely-tuned loop (for shortwave use), see Joe Farley's excellent article "A Remotely Tuned Loop Antenna" in Fine Tuning's Proceedings 1989. NRC Reprint A30, "A Remotely Tuned Directional Loop Antenna" by E. L. Cummins, is also a worthwhile article.

FIGURE 1: RTL-2 REMOTELY-TUNED LOOP
(SCHEMATIC: INPUT SECTION)

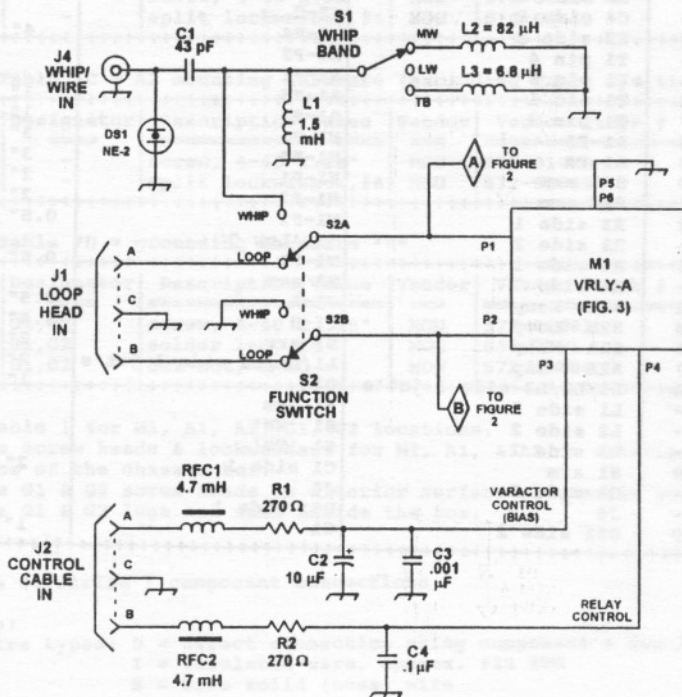
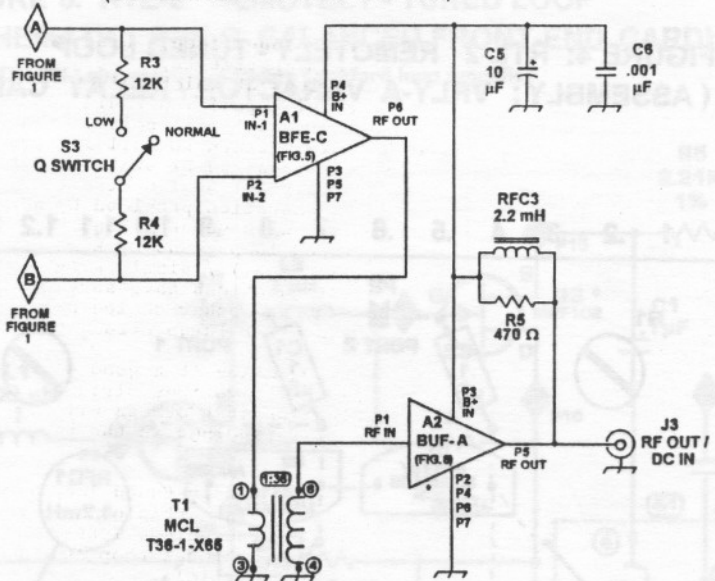


FIGURE 2: RTL-2 REMOTELY - TUNED LOOP
(SCHEMATIC: OUTPUT SECTION)



* BUF-B (FIG. 10) may be substituted for BUF-A for use as the A2 amplifier.

FIGURE 3: RTL-2 REMOTELY - TUNED LOOP
(SCHEMATIC: VRLY-A VARACTOR / RELAY CARD)

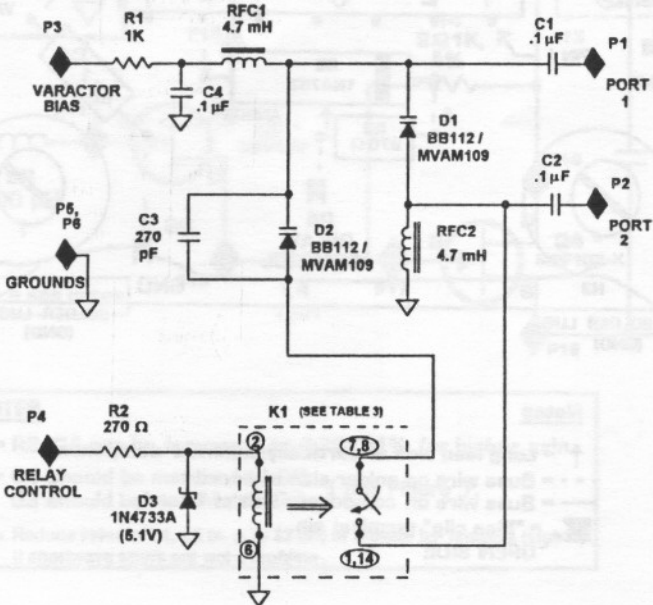
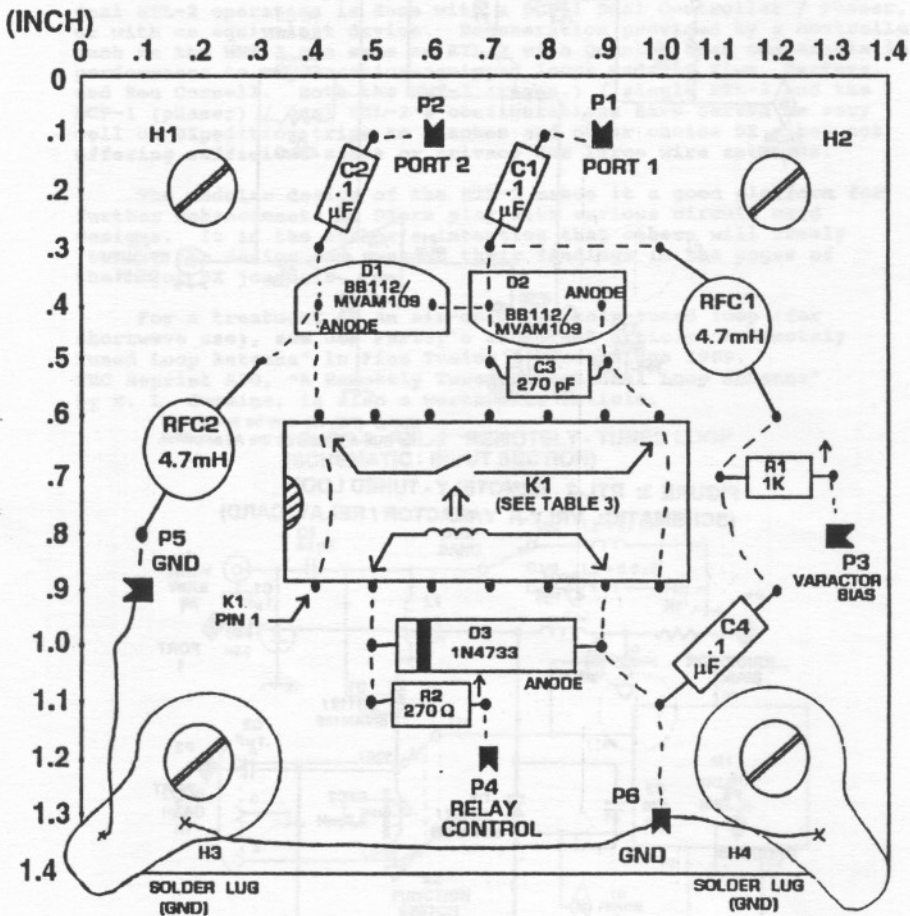


FIGURE 4: RTL-2 REMOTELY - TUNED LOOP
(ASSEMBLY: VRLY-A VARACTOR / RELAY CARD)



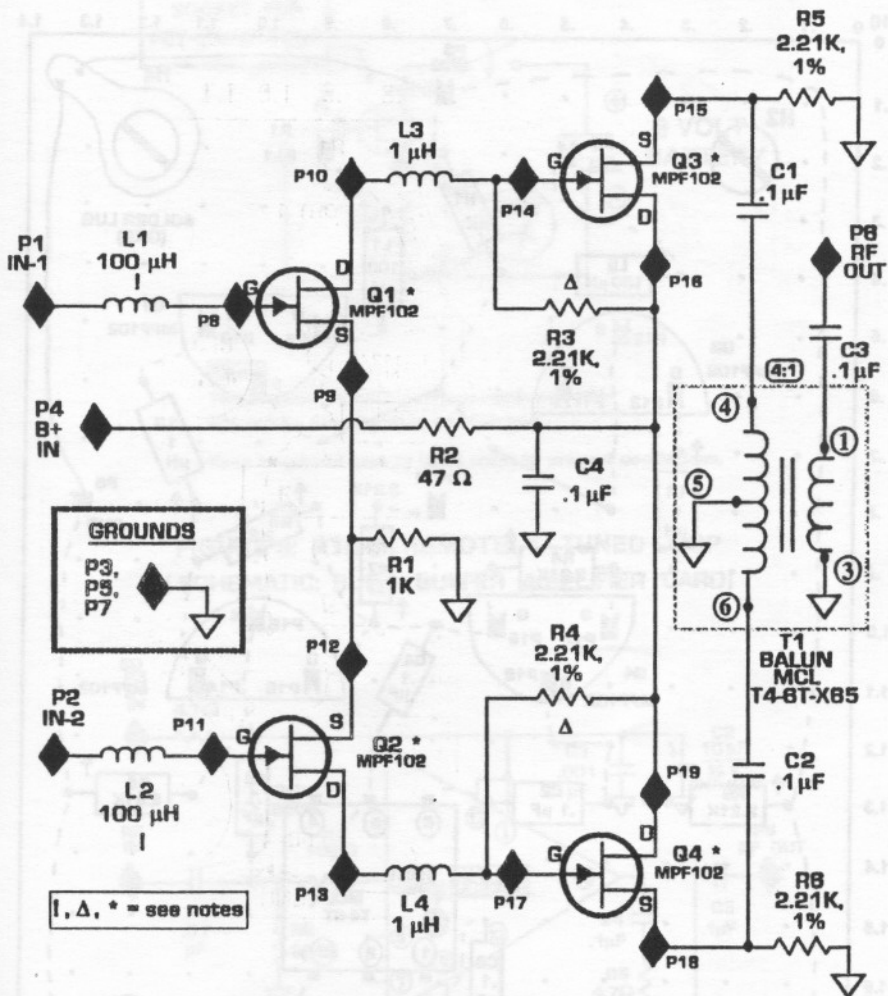
Notes

- ↑ - Long lead side of vertically-mounted component
- - Buss wire on solder side of board
- - Buss wire on component side of board
- ◼ - "Flea clip" terminal pin
OPEN SIDE

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FIGURE 5: RTL-2 REMOTELY - TUNED LOOP (SCHEMATIC: BFE-C BALANCED FRONT-END CARD)

WA1010N DX Labs version of Dallas Lankford loop amplifier



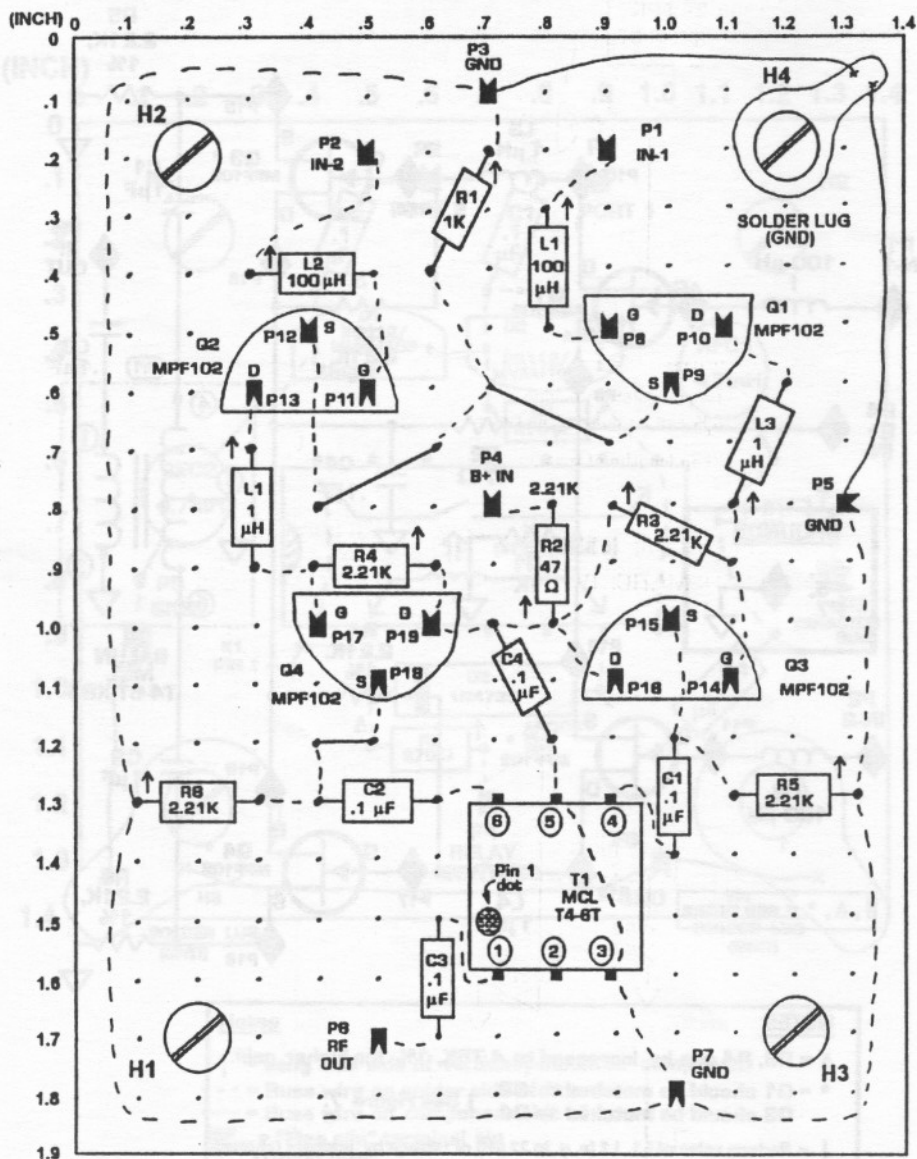
NOTES

Δ = R3, R4 can be increased to 4.75K, 1% for higher gain.

* = Q1 should be matched to Q2. Q3 should be matched to Q4. } See Figure 7.

| = Reduce value of L1, L2 (e. g. to 22 μH) or replace by jumpers (shorts) if shortwave spurs are not a problem.

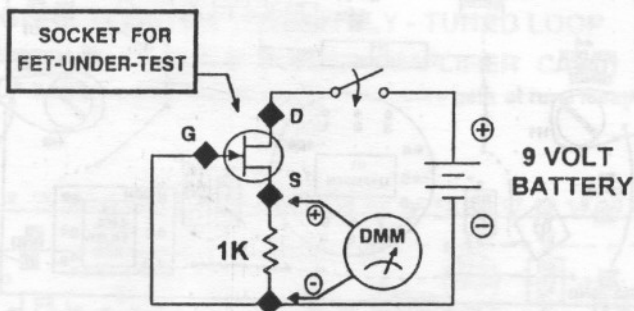
FIGURE 6: RTL-2 REMOTELY-TUNED LOOP
(ASSEMBLY: BFE-C BALANCED FRONT-END CARD)



Assembly-drawing symbols are explained by the notes of Figure 4.

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**FIGURE 7: RTL-2 REMOTELY - TUNED LOOP
FET-MATCHING TEST CIRCUIT FOR BFE-C CARD**

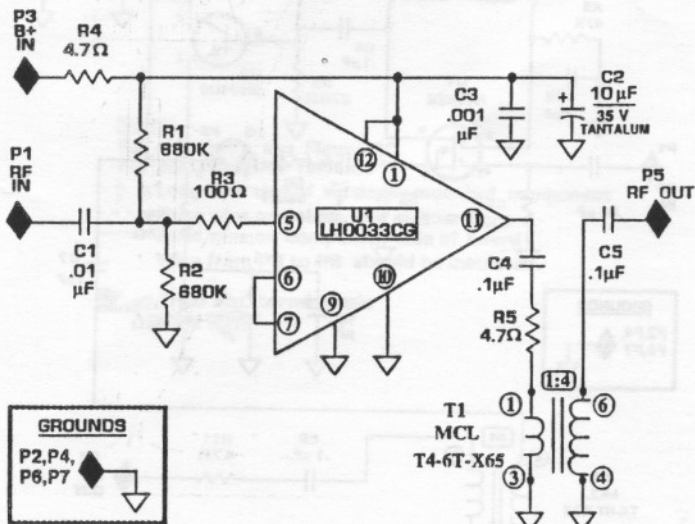


NOTES

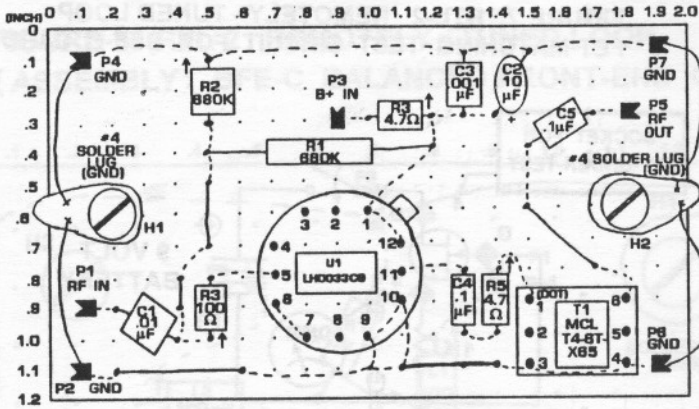
Two transistors having voltage readings within 3% can be considered to be matched.

Keep lengths of test jig leads short to prevent oscillations.

**FIGURE 8: RTL-2 REMOTELY - TUNED LOOP
(SCHEMATIC: BUF-A BUFFER AMPLIFIER CARD)**



**FIGURE 9: RTL-2 REMOTELY - TUNED LOOP
(ASSEMBLY: BUF-A BUFFER AMPLIFIER CARD)**



Notes

For schematic, see Figure 8.
For parts list, see Table 5.

↑ = Long lead side of vertically-mounted component

--- = Bus wire on solder side of board

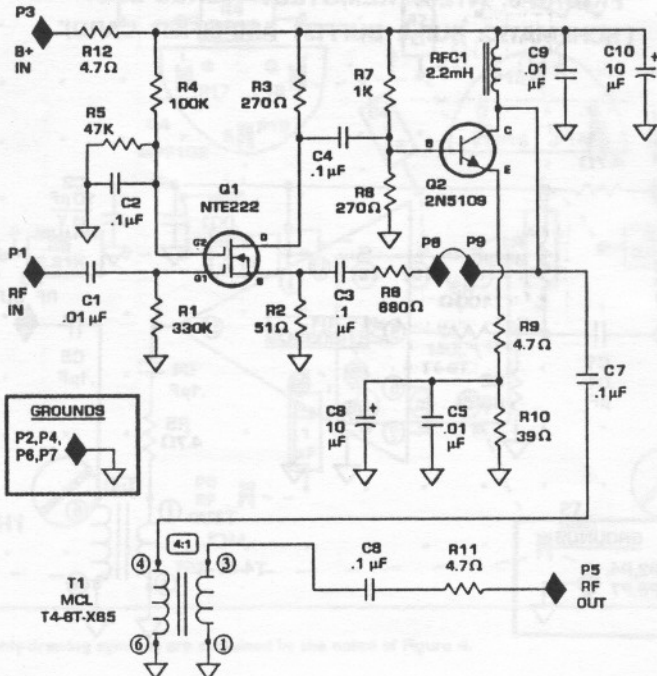
- - - = Bus wire on component side of board

⬤ = "Free clip" terminal pin

○ = OPEN SIDE

**FIGURE 10: RTL-2 REMOTELY - TUNED LOOP
(SCHEMATIC: BUF-B BUFFER AMPLIFIER CARD)**

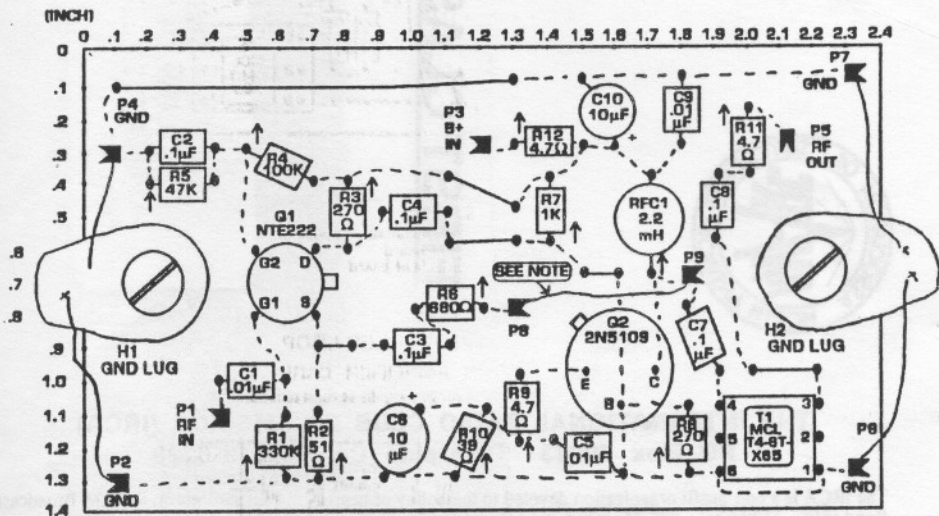
BUF-B may be used instead of BUF-A for more gain at rural locations.



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**FIGURE 11: RTL-2 REMOTELY - TUNED LOOP
(ASSEMBLY: BUF-B BUFFER AMPLIFIER CARD)**

BUF-B may be used instead of BUF-A for more gain at rural locations.



Notes

For schematic, see Figure 10.

For parts list, see Table 6.

↑ = Long lead side of vertically-mounted component

--- = Buss wire on solder side of board

— = Buss wire on component side of board

Wire from P8 to P9 should be insulated.

◀ = "Flea clip" terminal pin
OPEN SIDE

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