

DX MONITOR

THE OFFICIAL PUBLICATION OF THE  INTERNATIONAL RADIO CLUB OF AMERICA

DEVOTED EXCLUSIVELY TO BROADCAST BAND DXING

OCTOBER 3, 1992 - VOLUME 30 - NUMBER 3 - EDITION 962 - ISSN 0899 - 9732

RENEWALS: STEPHEN HOWE, STEVE HAWKINS, GARY JACKSON, JOHN SHEEHY, GEORGE HAKIEL, WILLIAM TOWNSHEND.....THANK YOU ALL VERY MUCH..PUB

IRCA CPC BULLETIN

The Courtesy Program Committee (CPC) is in need of donations to continue arranging DX tests for the '92-'93 DX season. We are off to a good start, but cannot continue without the support of the membership. To those of you who have already donated to this season's CPC effort, thank you. For those who haven't, your donations (in the form of mint stamps or check) may be sent to:

IRCA CPC
P.O. BOX 605
HUNTSVILLE, AL 35804-0605

If you read the CPC recap that appeared in DXM recently, you can see what your donations can do on behalf of the club. Please support the CPC so that this year's DX test season will be even better than the last. 73's and Good DX.. J.D. Stephens

IRCA DX TEST BULLETIN

MONDAY, OCTOBER 5, 1992 - KWCK-1300, BOX 1300, SEARCY, AR 72143, WILL CONDUCT A DX TEST FROM 4:00 - 4:30 AM EDT. THE TEST WILL INCLUDE MORSE CODE AND MARCH MUSIC. RECEPTION REPORTS MAY BE SENT TO: MR. KEN SIMMONS - PROGRAM DIRECTOR. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

TUESDAY, OCTOBER 6, 1992 - WCKB-780, BOX 789, DUNN, NC 28335, WILL CONDUCT A DX TEST FROM 5:30 - 6:00 AM EDT. THE TEST WILL INCLUDE TONES, VOICE ID'S AND MORSE CODE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. RON TART - GM. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, OCTOBER 12, 1992 - WBHY-840, P.O. BOX 1328, MOBILE, AL 36633-1328 WILL CONDUCT A SPECIAL DX TEST FROM 1:00 TO 4:00 AM EDT. THE TEST WILL CONSIST OF CHRISTIAN ROCK MUSIC, TONES, VOICE ID'S AND MORSE CODE. THIS TEST WILL BE RUN USING THEIR 10 KW OMNIDIRECTIONAL PATTERN. THE STATION WILL ALSO BE TESTING THEIR FM, WBHY-FM, 88.5 MHZ AT THE SAME TIME AND WITH SIMILAR FORMAT. POWER WILL BE 33 KW USING A 629 FOOT TOWER. PREPAID PHONE CALLS WILL BE ACCEPTED DURING THE TEST AT (205) 770-9249. NO COLLECT CALLS, PLEASE. RECEPTION REPORTS AND THANKS FOR THE UNIQUE TEST MAY BE SENT TO: MR. WILBUR GOFORTH - PRESIDENT. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, OCTOBER 12, 1992 - KXOL-1320, 1730 NEPTUNE DRIVE, CLINTON, OK 73601 WILL CONDUCT A DX TEST FROM 3:00 - 3:30 AM EDT. THE TEST WILL INCLUDE MARCH MUSIC, VOICE ID'S, & MORSE CODE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. DENNIS BURTON. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, OCTOBER 26, 1992 - WLYN-1360, LYNN, MA WILL CONDUCT A DX TEST FROM 3:30 - 4:00 AM EDT. THE TEST WILL INCLUDE MORSE CODE, TONES, AND VOICE ID'S. OUR THANKS TO MR. MICHAEL KLEIN (NVL) OF DX ENTERPRISES FOR THE TEST. MR. KLEIN REQUESTS THAT ALL RECEPTION REPORTS BE SENT TO: WLYN DX TEST, c/o PERSONAL DATABASE APPLICATIONS, 2626 MEADOW RIDGE DRIVE, DULUTH, GA 30136-6037 (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

WEDNESDAY, OCTOBER 28, 1992 - WSMI-1540, P.O. BOX 10, LITCHFIELD, IL 62056 WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:10 AM EDT. THE TEST WILL INCLUDE MORSE CODE, TONES, AND VOICE ID'S AND WILL BE PART OF THE STATION'S MONTHLY FREQUENCY CHECK. RECEPTION REPORTS MAY BE SENT TO: MR. BRIAN TALLEY (N9OWV) - CHIEF ENGINEER. MR. TALLEY REQUESTS AN SASE BE INCLUDED WITH ALL REPORTS. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

THURSDAY, NOVEMBER 5, 1992 - KBOA-830, P.O. BOX 509, KENNETT, MO 63857 WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:30 AM EST. THE TEST WILL INCLUDE MORSE CODE AND TONES. THIS TEST WILL BE CONDUCTED WITH A POWER OF 10 KW AND AN OMNIDIRECTIONAL ANTENNA PATTERN. RECEPTION REPORTS MAY BE SENT TO: MR. LARRY ANTHONY - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

SATURDAY, NOVEMBER 7, 1992 - WWLS-640, 4000 WEST INDIAN HILLS ROAD, NORMAN, OK 73072 WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:30 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES, AND VOICE ID'S AND WILL BE INSERTED IN BREAKS DURING THE STATION'S AUTOMATED NIGHTTIME PROGRAMMING. RECEPTION REPORTS MAY BE SENT TO: MR. TONY SELLARS - OPERATIONS MANAGER (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, NOVEMBER 9, 1992 - KMFI-1470, 2700 FRY BLVD., SUITE B-4, SIERRA VISTA, AZ 85635 WILL CONDUCT A DX TEST BETWEEN 2:00 & 5:00 AM EST. THE TEST WILL INCLUDE MORSE CODE AND TONES. RECEPTION REPORTS MAY BE SENT TO: MR. RICHARD MIZE - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, NOVEMBER 23, 1992 - KNAK-540, P.O. BOX 636, DELTA, UT 84624 WILL CONDUCT A DX TEST BETWEEN 2:00 & 2:30 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES, AND VOICE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. DOUGLAS BARTON - OWNER. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

WEDNESDAY, NOVEMBER 25, 1992 - WSMI-1540, P.O. BOX 10, LITCHFIELD, IL 62056 WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:10 AM EST. THE TEST WILL INCLUDE MORSE CODE, TONES, AND VOICE ID'S AND WILL BE PART OF THE STATION'S MONTHLY FREQUENCY CHECK. RECEPTION REPORTS MAY BE SENT TO: MR. BRIAN TALLEY (N9OWV) - CHIEF ENGINEER. MR. TALLEY REQUESTS AN SASE BE INCLUDED WITH ALL REPORTS. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

SATURDAY, NOVEMBER 28, 1992 - WIMA-1150, 667 WEST MARKET STREET, LIMA, OH 45801 WILL CONDUCT A DX TEST FROM 12:30 - 1:00 AM EST. THE TEST WILL INCLUDE MORSE CODE, VOICE ID'S, AND MARCH MUSIC. RECEPTION REPORTS MAY BE SENT TO: MR. MARK GIERHART - DIRECTOR OF ENGINEERING. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

MONDAY, NOVEMBER 30, 1992 - KCNO-570, P.O. BOX 570, ALTURAS, CA 96101 WILL CONDUCT A DX TEST FROM 3:30 - 4:00 AM EST. THE TEST WILL INCLUDE MORSE CODE, POLKAS, AND MARCH MUSIC. RECEPTION REPORTS MAY BE SENT TO: CAROL IRWIN - PROGRAM DIRECTOR. (ARRANGED BY J.D. STEPHENS FOR IRCA CPC)

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

IRCA CONVENTION 1993: IRCA PRESIDENT PHIL BYTHEWAY IS NOW ACCEPTING BIDS TO HOST THE 1993 IRCA CONVENTION. IF YOU ARE INTERESTED, CONTACT PHIL FOR DETAILS AND A BID FORM. DEADLINE FOR BIDS IS OCTOBER 15th.....

VERIFICATION SIGNERS: IRCA'S NEW "VERIFICATION SIGNERS" EDITOR IS: STEVE HOWE 9 WANER DR ST ALBINS VT 05478. START SENDING YOUR INFO TO STEVE.

EDITORS/POSITIONS: THESE ARE CURRENTLY VACANT: "DX MONITOR" PUBLISHER AND EDITOR-IN-CHIEF, ACHIEVEMENT AWARDS CHAIRMAN, GRAVEYARD/HEARD/VERIFIED DX RECORDS EDITORS, NEW MEMBER PACKET REVISION COMMITTEE AND PUBLICITY CHAIRMAN. INTERESTED IN FILLING ANY OF THESE POSITIONS...CONTACT PHIL BYTHEWAY.

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BROADCASTING INFORMATION

EDITOR: ROBERT WIEN 1309 DENTWOOD DR SAN JOSE CA 95118

DEADLINES: 2nd & 4th Saturdays.

Compiled: 9/23/92

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

NEW STATION APPLICATIONS:

OH. Cincinnati 1660 khz. 10000-D (experimental)

NEW STATION GRANTS:

(NONE)

CONSTRUCTION PERMIT ACTIVITY:

(NONE)

FACILITY & PARAMETER APPLICATIONS:

CA. Soquel	KOQI-1200	50000/11000 (CP)
GA. Hogansville	WMXY-720	7970-D
MA. Leicester	WVNE-760	25000-D
NV. Reno	KQLO-920	4600-D
PR. Patillas	WEXS-610	250-D

FACILITY AND PARAMETER GRANTS:

WI. Minocqua	WMQA-1570	250-N
MB. Churchill	CHFC-1230	250/250
PQ. La Tuque	CEME-990	move to 830 khz.

CALL LETTER CHANGES:

AL. Huntsville	WKGL-1450	becomes WTKI
CA. Santa Barbara	KSSM-990	becomes KKJZ
FL. Bradenton	WKLV-1490	becomes WJRB
Saint Augustine Beach	WHWY-1170	becomes WKLN
IN. Indianapolis	WTUX-1310	becomes WTLC
KY. Georgetown	WKTK-1580	becomes WBEE
LA. Tioga	KXIZ-680	becomes KXKW (CP)
MA. Worcester	WVEI-1440	becomes WBHT
MI. Detroit	WCXI-1130	becomes WWWW
Whitehall	WPBK-1490	becomes WEPG
PA. Loretto	WAMQ-1400	becomes WJRV
Wilkes-Barre	WTSW-1340	requests WYCK
PR. Sabana	new-1250	becomes WJIT
WY. Douglas	KKTY-1470	becomes KWOG

DX Worldwide - West



PAT MARTIN

P.O. BOX 843

SEASIDE, OR 97138

Time: UTC phone (503) 861-3185

DEADLINE: MONDAYS

Another good turnout this week with reports from Guy Atkins, Bruce Portzer, Nick Hall-Patch, Robert Wien and Shawn Axelrod. So here we go:

PAN AMERICAN DX ROUNDUP

- 590 CUBA, Santa Clara-Radio Reloj 5/8 0945 fair man doing nx "RR" on the minute in code, in CKY null. (SA-MB)
- 640 MEXICO, Fresnillo-9/7 1205 in w/full ID and details during brief 1 minute KFI SP due to tech problems, talk about perfect timing, hi. After ID, KFI was back but XEYQ-Fresnillo audible weakly under. New. (RW-CA)
- 760 CUBA, Radio Reloj-5/25 0837 very poor, man in SS, "RR" code tones in CKRC null. New for me. (SA-MB)
- 760 CUBA, Radio Reloj-5/31 0400 Poor, man in SS "RR" on minute u/WJR- from Valhalla site. (VAL-DX)
- 940 MEXICO, Mexico City-XEQ 5/9 0939 Good man in SS (SA-MB)
- 950 UNID, 8/10 0608 unid SS in KAH1 null, bad KFRE splash, like "R. 95" IDs Ideas? (RW-CA)
- 1375 t ST. PIERRE, 5/31 0330 Very poor-good strong het, bits of mx and some talk in possible FF. (VAL-DX)
- 1610 ANGUILLA, Car. Beacon-5/31 0420 good Rel program in EE, mixing with UNID TIS. (VAL-DX)
- 1620 UNID BEACON, 5/31 0504 very poor, poss. MEDFER (VAL-DX)
- 1685 COLOMBIA, Mercaderes-MER 5/31 0515-good, MER in code. (VAL-DX)
- 1700 UNID BEACON, 5/31 0519 very poor, poss. MEDFER. (VAL-DX)

TRANS-PACIFIC DX ROUNDUP

- 531 AUSTRALIA, West Kempsey-2MC 1120 8/24. Old faithful here with fat signal w/pop mx and ID "on the beautiful mid coast, this is 2MC" Also noted 8/9 1222 with good signal w/ads and ID (NHP-BC)
- 540 AUSTRALIA, Longreach-4QL 1226 8/9 fair, //9660 and 4920, but out of sync w/sports (NHP-BC)
- 550 WESTERN SAMOA, very strong with man and woman in Samoan. This by far (except for Hawaii), is the strongest South Pacific station ever, especially the good modulation, noted 0650 9/17 (PM-OR)
- 550 HAWAII, Wailuku-KMVI 0818 8/24. We were apparently listening to "the sound of the Latin world right here on KMVI" which was a tad confusing. Good signal dominating the channel at this time. (NHP-BC)
- 567 AUSTRALIA, Julia Creek-4JK 1318 8/9. Olympics coverage //9660, fair in splash. Someone underneath, likely 2YA. (NHP-BC)
- 576 +++ PHILIPPINES, Cebu City-DYMR-fair to weak with man in Tagalog, then at 1416 9/21, fanfare an complete ID in EE "This is the Philippine Broadcasting Service.....Broadcast services..... operating fromRepublic of the Philippines...Station DYMR operating onon 576 KHZ....modulation with a power of 50 thousand watts.....This station is being maintained and operated by the following personal.....", then faded into the mud. Not needed as QSL'd in 1984, but haven't heard since. Maybe a good season afterall!!! (PM-OR)

- 585 AUSTRALIA, Bourke-2WEB-1407 8/24, poor to good w/2WEB IDs, after nx and before anthem. Likely s/off anmt. (NHP-BC)
 AUSTRALIA, Hobart-7RN fair //576 w/concert mx at 1332 9/14 (PM-OR)
- 585 UNID, w/MOR mx poor possibly 7RN 1250-1255 9/10 (GA-WA)
- 612 AUSTRALIA, Brisbane-4QR, w/good S5 signal. Interview program
 Noted //9660 1345-1353 9/13 (GA-WA)
 +Also noted fair w/Gordon Lightfoot tune //702,1327 9/12. The ABC was running a special on Lightfoot at this time, which made it easy to check //s (BP-WA)
- 621 TUVVALU, Funafuti-T2U2-0620 8/24. Poor to fair signals, island singing, woman talking, 6 pips and Radio Australia nx at 0700, but no local ID hrd (NHP-BC)
 AUSTRALIA, Melbourne-3RN 1350 8/24. Huge signal w/man talking and light mx //7RN-585, which was fair at this time. (NHP-BC)
- 639 FIJI, Lautoka-Radio Fiji 1, with woman in Fijian, slight KFI slop at 0730 9/17 (PM-OR)
- 666 AUSTRALIA, Canberra-2CN 1309 8/9. Olympics coverage //675 and 9660, nil to fair (NHP-BC)
- 702 AUSTRALIA, Sydney-2BL good //612 1327 9/12 (BP-WA)
 NEW ZEALAND, Auckland-1XP-Radio Pacific-fair to good at 0723 with talk show "Radio Pacific" IDs, over presumed 2BL 9/17 (PM-OR)
- 720 AUSTRALIA, Perth-6WF 1404 8/24, briefly fair w/nx //6140 (NHP-BC)
 NEW ZEALAND, Invercargill-4YZ-fair after 0700 9/21 with NZBC net news, after KDWN off. Since KUAI is off because of storm, and may not be on for quite sometime, 720 KHZ is great on MMs. (PM-OR)
- 738 AUSTRALIA, Grafton-2NR weak //702 1329 9/12 (BP-WA)
 JAPAN, Toyama-JOLR-fair with many mentions on Toyama in spots, woman in fast JJ, may have mentioned call letters 1350 9/21. Haven't hrd this in several yrs. (PM-OR)
- 747 t WESTERN SAMOA, Apia-2AP 0553 onwards 8/24. Poor to good signals. Man and woman talking, pop mx, apparent R. Australia nx at 0712 but no local IDs. Is this back on? Didn't hear 540. (NHP-BC)
 (Here 540 is much stronger than 747, yes both are on now. All their old frequencies are not used anymore, according to QSL from last year. They are using new 10 KW dig. transmitters on both frequencies. PM)
- 756 AUSTRALIA, Mackay-4QA mostly likely the one //4920 and 747, w/pop mx, fair at 1328 8/24 (NHP-BC)
- 765 t AUSTRALIA, Bega-2EC, poss. the one w/rr mx, sounded like net nx at 1400 on 9/18. (PM-OR)
- 774 AUSTRALIA, Melbourne-3L0-1343 9/12 thru KULL-700 slop //702 and 837 (BP-WA)
- 783 RUSSIA, Spassk Dalniy, man in RR good in KROW slop at 1320 on 9/20 (PM-OR)
- 819 AUSTRALIA, Glen Innes-2GL poor in 820 splash 1320 8/24, pop mx //4920, but out of sync with it (NHP-BC)
 +Also noted 1340 9/12 bits of "The Wreck of the Edmond Fitzgerald" thru KGNW splat //774, 837, etc (BP-WA)
- 828 UNID, w/old Canned Heat song "Going Up The Country" faint at 1252
 Poss. 2XS or 4SS on 9/12 (GA-WA)
- 837 AUSTRALIA, Rockhampton-4RK-weak w/Gordon Lightfoot mx u/woman with talk (unid) 1338 9/12 (BP-WA)
- 855 AUSTRALIA, Maryborough/Eidsvoid-4QB/4QO fair w/ABC nx 1305 9/12 into Gordon Lightfoot song (BP-WA)
- 864 AUSTRALIA, Toowoomba-4GR-1318 8/24 Rock mx and 4GR ID, fair (NHP)
- 891 AUSTRALIA, Adelaide-5AN-1242 8/9 Sports broadcast, fair o/u pop mx which was likely 4RR (NHP-BC)
 AUSTRALIA, Townsville-4RR-good w/rr mx and "4 Double R" ID into song at 1336 9/17 (PM-OR)
- 1062 AUSTRALIA, Thursday Island-4TI 1225 8/24 man and woman talking //4920, briefly with fair signal (NHP-BC)
- 1116 UNID, carrier 1355 9/12 also noted hets on 1161 and 1152 at the same time (BP-WA)
- 1098 AUSTRALIA, Longreach-4LG 1332 8/24 rock mx //4HI-1143 which Bruce had ID'd moments before (NHP-BC)

- 1161 AUSTRALIA, Poor w/ABC nx //4920 after 6 pips at 1300 8/24.5PA and 7FG listed,would 5PA have nx on the hr? If not,7FG is the one, also someone else underneath,4MB? (NHP-BC) (Yes, you probably hrd 7FG. You should have checked 1584 KHZ for the //, both 7FG and 7SH (100 watts) were logged here several yrs back. PM)
- 1475 MALAYSIA, Presumed Kota Kinabalu w/op mx,woman announcer in Bahasa Malaysian (presumed) (sounds like Indonesian). Anthem at 1301 Fair on 9/11 (GA-WA)
- 1620 AUSTRALIA, 1PPP or 7RPH-good with talk 1301 9/12 (BP-WA)
- 1630 UNID, "T-M" beacon,fair on 225 degree wire 0731 8/24 (NHP-BC)

THANKS TO THESE REPORTERS

- GA-WA GUY ATKINS-5323 SOUTH ISLAND DRIVE-BONNEY LAKE,WA 98390-8624
Drake R8, Collins R390A, 380 foot term. mini Bev,90m T2FD
- SA-MB SHAWN AXELROD-30 BECONTREE BAY-WINNIPEG,MB R2N 2X9 (CANADA)
Icom R70 w/Plam Board,4KHZ filter-4 foot Box Loop
- VAL-DX SHAWN AXELROD DXING AT VALHALLA DX SITE
Beverages Northeast and West-Icom R70
- NHP-BC NICK HALL-PATCH-1538 AMPHION STREET-VICTORIA,B.C. V8R 4Z6 (CANADA)
DXING FROM SOMBRIO BEACH,B.C.
Homebrew rx,ICF-2010 and beverages 1-1400' at 225 degrees,1-2000' at 270 degrees, 1-1000' at 305 degrees (With Bruce Portzer 8/24)
- BP-WA BRUCE PORTZER-6546 19TH AVENUE,NE-SEATTLE,WA 98115
DXING AT MT. RAINIER NATIONAL PARK,WA
With FRG-7,150' LW
- RW-CA ROBERT WIEN-1309 DENTWOOD DRIVE-SAN JOSE, CA 95118
DXing with Superadio
- PM-OR YOUR EDITOR
Drake R8, Hammarlund SP-600,1600' NNW Beverage (345 degrees),
Termin. 200' SW/NE antenna, Ground system

IRCA AM-PM ALMANAC UPDATERS:

TALK UPDATER 5.6, FOOTBALL UPDATER 5.7 COMING IN OCTOBER!

Almanac Updater 5.6, due out in early October, will feature "Talk Networks 1992," a complete guide to radio talk, with station listings, schedules, formats, title index, and host index.

Updater 5.7, coming in late October, will include 1992 NFL and college football and other items of interest.

Still available: Updater 5.1 - Almanac index, AM slogans. Updater 5.2 - Satellite Music Network, Unistar/Transtar, BRN, 1991 baseball. Updater 5.3 - Rush Limbaugh, TIS/Highway Radio update, NHL hockey, 1991 football. Updater 5.4 - Updates to ABC, AP, UPI, USA, ESPN, SEN, Canada nighttime music, and basketball. Updater 5.5 - 1992 baseball, Spanish networks, Interstate Radio Network, and AM slogan updates.

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

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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WORLDWIDE EAST


EDITOR: Jim Hall, 3176 Cheltenham Ct., Gibsonsia PA 15044

I R A N S - A T L A N T I C D X (Connelly-MA)

- 153 ALGERIA Bechar 0400 9/3 Fr (o/unID): AA mx, 4 pips, then AA talk by m&w.
 162 FRANCE Allouis 0359 9/3 XLNT w/m in FF.
 183 GERMANY Saarlouis 0358 9/3 Gd to xInt w/FF m.
 198 ENGLAND Droitwich et al. 0355 9/3 BBC fr w/EE commentary, atop "DIW" beacon.
 207 MOROCCO Azilal 0405 9/3 AA string mx, fr w/"QI" beacon QRM.
 216 FRANCE Roumoules 0407-0410 9/3 M & w in FF, gd to xInt, o/"CLB"/"CO" beacons.
- 837 SPAIN (CANARY ISLANDS?) 0228 9/2 W in SS w/a very pronounced echo due, most likely, to some network affiliates getting landline feed and some getting (delayed) satellite feed.
- 891 ALGERIA Algiers 0355 8/22 XLNT (totally killing WLS) w/AA violin mx. Talk by w followed. It was, by far, the loudest TA at the time. Also 0048 9/2 gd-xInt w/AA m, and 0315 9/4 AA string & vocal mx, fol/by talk; fr/gd despite mediocre cx.
- 1017 TURKEY Mundanya (Istanbul) 0041 9/2 Pr/fr w/vocal mx sd/lk blend of Greek/AA pop styles. Unusual TAcx - def. enhancement to eastern Med. region.
- 1062 unID 0045 9/2 Het, bits of chant. Prob Diyarbakir, Turkey as 1017 was in and Egypt-1107 was unusually loud at the time.
- 1107 EGYPT Batrah 0017 9/2 V gd to XLNT w/m & w in AA. About as well as I've ever hrd this from a non-beach QTH. Hets on 774 & 819 also seemed to be Egypt rather than Spain/Morocco.
- 1375 ST. PIERRE & MIQUELON 0347 7/31 FF rock mx, XLNT signal.
 1467 FRANCE Roumoules 0401 8/6 Poor w/classical mx. Stn doesn't have the kick that it had from Monaco in the '60s and '70s. In those days it was as loud as Langenberg at QTH's near Boston.
- 1521 SAUDI ARABIA Duba 0315 8/10 AA tlk, also 0300 9/2 s/on w/OC fol/by a-cappella m AA Koranic chanting. MONSTER SIGNAL - annihilating WKB!
 1530 VATICAN 0344 8/31 Vatican chimes, classical mx, then tlk by w, w/o/WCKY. Also 0345 8/10 talk (prob Albanian as listed), classical mx o/u WCKY. 1611 also in. 0347 8/11 m & w in likely Albanian, totally killing WCKY!
 1575 SPAIN / others 0338 7/31 Bits of SS by m, atop mess of other signals.
 1584 GERMANY Burg 0328 9/4 Gd / totally dom. w/GG then Dixieland jazz.
 1593 SPAIN 0326 9/4 M SS o/jumble.
 1593 GERMANY Langenberg 0336 7/31 gd, soul-pop, 0340 8/10 GG m, then pop fem vocal, fr/gd despite mediocre band cx. 0343 8/11 XLNT, rock, 0325 9/4 fem soul voc., gd but fadey.
- 1611 VATICAN 0356 8/6 Fem. tlk, GG or Slav. fr o/slight 1610 het. 0340 8/11 LOUD w/IS, Slavic talk by w.

P A N - A M E R I C A N D X

- 800 NETHERLANDS ANTILLES Bonaire PJB 0424 8/21 SS rlg's pgm, gd o/CJAD/others w/CKLW phased & WCCM off. (Connelly-MA)
 1165 ANTIGUA St. John's C.R.L. 0212 9/2 Preaching by m in EE, audio muffled. (Connelly-MA)

CREDIT:

(Connelly-MA) MARK CONNELLY, 30 William Road, Billerica, Massachusetts 01821-6079
 (Drake R8 w/2 20m (66') wires in noise-reducing configuration,
 phased w/MWDX-5. RTL-2 Loop / MWT-3 Tuner)



WESTERN
DX
ROUNDUP

Nancy Hardy
2301 Pacific Ave.
Aberdeen, WA 98520

DEADLINE FOR WDXR TIPS IS MONDAY. PLEASE USE EASTERN TIME.

REPORTERS FOR THIS ISSUE:

- (PM) Patrick Martin-Box 843-Seaside, OR 97138
Drake R8, term. 200' wire, ground system
(BN) Bill Nittler-Box 824-Mancos, CO 81328
(GLP) Gary L. Pifer-2356 Caddie Ct.-Oceanside, CA 92056
GE Superadio
(MS) Mike Sanburn-P.O. Box 1256-Bellflower, CA 90707
GE Superadio
(PT) Pete Taylor-2614 Jackson St.-San Francisco, CA 94115
(PT-CA1) DX'ing from St. Helena, CA using ICF-2010 & Palomar
loop
(RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio, GE long-range portable, SM-2
(RW-CA1) DX'ing from Eureka, CA
(RW-CA2) DX'ing from northern California
(RW-OR1) DX'ing from Grants Pass, OR
(RW-OR2) DX'ing from southern Oregon

OF SPECIAL INTEREST

- 840 KSWB OR, Seaside on again, NSP, running 1kw unmanned all night.
Format is country, with Satellite News Network on the hour.
Giving no IDs at all! (PM-OR)
860 KLZX UT, Salt Lake City 9/3 2120 ID "Z-93," apparently back to
former call, ex-KCNR. (BN-CO)
980 KFSO CA, Fresno 9/7 1458-1502 call change, ex-KEYQ, with ID on
hour, then all-request Rock & Roll Diner "from oldies 92.9,
KFSO." (RW-CA)
1150 KCUV CO, Englewood using new calls and "K-Suave" IDs in Spanish.
Heard usually at SRS and SSS daily. Ex-KFRR. (BN-CO)
1320 KCNR UT, Salt Lake City 9/2 apparently transferred these calls
and CNN format from 860. Heard here with Salt Lake City
Trappers baseball and then CNN news. Ex-KCPX. (BN-CO)
+9/7 0455-0500 ex-KCPX, with usual good signal over KCTC.
CNN news, ID on hour "Utah's only all-news station."
(RW-CA)
+9/9 2330 call change netted, with CNN Headline news.
Ex-KCPX, KUTR, KEMX, KBUG. (MS-CA)
1340 KCQL NM, Aztec ex-KCEM, with Kool Gold satellite format.
Switched on 6/1. Daytime log here. (BN-CO)
1470 KKTY WY, Douglas ex-KWIV, heard with C&W. Heard 7/27 and most
nights on top of frequency, 0000 s/off. (BN-CO)

540 KIEZ CA, Carmel Valley 9/17 2100 strong with ID "KIEZ Carmel
Valley-Monterey-Salinas-Santa Cruz," into Satellite News
Network. Slogan "EZ-54 Stereo." (PM-OR)
560 (KSFO) CA, San Francisco 9/14 0500 totally off, back on later with
TT's. Suspect KLZ in background with new relig. format
(ex-C&W). (RW-CA)
630 KWRO OR, Coquille 7/5 0113 South Coast forecast, with KOH
looped. First time heard in 30 years here. (PT-CA1)
640 (KFI) CA, Los Angeles 9/7 0805 totally off for approx. 1 minute
due to technical difficulties. Caught new Mexican during
this SP with full ID! What luck! (RW-CA)
840 CJXX AB, Grande Prairie 9/16 0130 good with country music, KSWB
off. Standard Broadcast News on the hour. "CJXX Country
8-40" slogan. (PM-OR)
890 KBBI AK, Homer 9/16 0930 weather for Homer, "...KBBI Homer" into
NPR feature. Best reception in quite awhile. (PM-OR)

- 910 KURY OR, Brookings 9/4 1251 good with lost pet report, ID "brought to you as a public service, on AM 910, Curry, KURY." (RW-CA1)
- 990 KKJZ CA, Santa Barbara 9/14 0954-0957 good at switch to day power with ID, temperature, road conditions, another ID "Your station for soft contemporary jazz, KKJZ." 7th call change for this station for me, a new record for me! Ex-KSSM. (RW-CA)
- 1170 CKGY AB, Red Deer 9/5 0136 good over KLOK/KVOO with promo for news on CKGY. (RW-OR1)
- 1240 ?KJOP? CA, Lemoore 9/9 0915 Spanish station sometimes actually overtaking KNRY. Still haven't got an ID on this one. (MS-CA)
- KGY WA, Olympia 9/5 0204 on top with ment. of Olympia Harbor Days thru weekend, Mariners baseball info. (RW-OR1)
- 1250 KLLK CA, Willits 9/5 1014 good, alone with "K-double L-K" ID. (RW-OR1)
- 1270 KAJO OR, Grants Pass 9/5 0206 noted s/off on nite power, full details, ment. of 0756 s/on, song "Our Father Who Art In Heaven." (RW-OR1)
- 1310 KFVR CA, Crescent City 9/3 1930 good with ID "Memories, favorites, on AM 1310, KFVR." (RW-CA1)
- 1310 KARY WA, Prosser 9/5 1008 good with ad for Wrangler Rodeo in Ellensburg, ID. (RW-OR1)
- 1350 KBID CA, Bakersfield 9/9 0924 logged at good level over KSRO, KCKC with spot for Payne Weber, traffic/weather/ID and nostalgia songs including "Mockingbird Hill." Report sent. Ex-KBAD/KLYD for me. (MS-CA)
- 1360 KFIV CA, Modesto 9/9 2200 ID, then into S.F. Giants vs St. Louis Cardinals baseball. (MS-CA)
- 1380 KSMJ CA, Sacramento 9/4 0217 loud with R&B-type music, ID. (RW-CA1)
- 1400 KKZZ CA, Santa Paula 9/9 2227 surfaced with ID "You're tuned to KKZZ Santa Paula." Angels annc. and jingle, second ID "KKZZ Santa Paula, 1400 AM stereo," Angels vs. Oakland A's baseball. New for me! Had heard tentatively as KZTR, but never as KCZN, KQIQ or KAAP. (MS-CA)
- KUKI CA, Ukiah 9/4 0230 good over mess with ID, C&W. (RW-CA1)
- (KIVR) OR, Cave Junction 9/4 2025 noted still off air. (RW-OR2)
- KEDO WA, Longview 9/5 0148 poor in mess with ad for Three Rivers Mall "from your friends at KEDO." (RW-OR1)
- 1420 KITI WA, Centralia 9/5 0228 good over KSTN/KUJ with ID. (RW-OR1)
- 1430 KYKN OR, Kaiser 9/4 0215 good with CNN news, PSA's, ID in KWDO null. (RW-CA1)
- 1450 KEST CA, San Francisco 9/4 0210 dominating frequency with preacher, ID. (RW-CA1)
- 1460 KRRS CA, Santa Rosa 9/5 1045 good over KCKX with Spanish, one weak ID heard in Spanish. (RW-OR1)
- 1500 (KSJX) CA, San Jose 9/3 0427 off with OC, varied mess in tight OC null. (RW-CA)
- 1590 KLIV CA, San Jose 9/4 0220 completely dominant with local PSA's, ID, CNN sports. (RW-CA1)
- NV, Sun Valley 9/5 1034 good over KLIV/KTIL with ID "Country 104.5 and AM 1590, K-Hit." (RW-OR1)
- 1610 (TIS) CA, Redwood Nat. Park (Redwood Beach) 9/4 1450 not functional despite sign directing me to tune 1610 for info. (RW-CA2)
- TIS OR, Cave Junction 9/4 2020 good with info on Cave Junction area, local sites to see. (RW-OR2)
- 1620 TIS CA, Pebble Beach 9/21 0300 woman with repeated message about fire danger and emergency services. Not a bad signal for 10 watts. (PM-OR)

UNIDs

- 960 9/7 0420 unID TT loud in KABL null, several possibilities. (RW)
- 1180 9/9 0300 two Spanish stations mixing with KERI. Radio Progreso, Cuba mentioned many times. English IDs with static. Is a Cuban station jamming the V.O.A.? (GLP-CA)

- 1230 9/5 0200 unID with s/off using "America The Beautiful," looped NE/SW. (RW-OR1)
 1290 9/7 0628 TT under KMEN looping ESE. KCUB? (RW-CA)
 1360 9/4 0226 unID with what sounded like Japanese, looping N-S, good. KKMO? (RW-CA1)
 1370 9/5 0152 unID with Larry King, ad for pear growers of Washington and Oregon. Over KEEN. Ideas? (RW-OR1) (Bill says KTXL-MT most likely Larry King here. Pear grower ad possibly a network ad. --NH)

I've been asked if WDXR submissions count as contest entries. The answer is no, as I keep WDXR tips completely separate from contest submissions. Each WDXR report that I receive is cut up then taped together with all the other WDXR reports to be put in frequency order. So, contest entries are a separate thing from WDXR. Please write them on a separate sheet of paper, but you may send them in the same envelope as a WDXR report. Thanks.

Geomagnetic Indices

+	high point	mas	major storm	SA	solar activity
-	low point	mif	minor flare	spe	satellite proton event
GE0	geomagnetic activity	mis	minor storm	ss	severe storm
maf	major flare	pca	polar cap absorption		

Geomagnetic Summary August 26 1992 through September 21 1992

Date	FLUX	A	K	SA	GE0	ETC
8/26	- 93	13	2	very low	quiet-unsettled	-
27	94	13	2	very low	quiet-active	-
28	96	3	5	low	quiet-unsettled	-
29	95	16	2	low	quiet-active	-
30	95	5	1	low	quiet	-
8/31	97	4	0	very low	quiet	-
9/ 1	100	- 1	1	very low	quiet	-
2	105	16	3	very low	quiet-active	-
3	107	50	4	low	unsettled-mas	mas 1500
4	105	31	5	moderate	unsettled-mis	mis 2400
5	119	28	4	moderate	unsettled-mis	-
6	+139	17	3	high	quiet-active	2maf 1852/2059
7	132	22	4	high	active	2maf 0637/1941
8	129	19	7	moderate	quiet-mas	-
9	117	58	4	moderate	active-mas	mis 0600
10	117	+72	5	moderate	active-mas	mas 0139
11	119	25e	2	moderate	quiet-mis	mas end 1500
12	117	4	1	low	quiet	-
13	127	4	3	low	quiet	-
14	122	7	2	low	quiet	-
15	120	9	1	low	quiet	-
16	127	9	2	moderate	quiet	-
17	117	52	5	moderate	unsettled-mas	mas 0300
18	118	22	3	low	unsettled-mis	mas end 1200
19	113	9	3	very low	quiet-unsettled	-
20	106	9	1	low	quiet-unsettled	-
9/21	110	5	4	very low	quiet-active	-

Central DX Roundup



EDITOR : John C. Johnson

979 Neptune Boulevard Billings, Montana 59105-2129

FOR THE RECORD

REPORT ALL TIMES AS EASTERN.

DEADLINES: MAIL: SATURDAYS. PRODIGY: SUNDAYS.

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.
[RS-MO] = Randy Stewart, 4225 West La Casa, Springfield, MO 65802-5615
Realistic TRF 12-656, 4' spiral loop.

DOWN THE DIAL

- 560 **KLVI** TX, Beaumont. 9/1 fair with local KWTO off. Dominating through heavy
tunderstorm noise. 2128 with Astros game. ID "You're listening to Astros baseball
on AM 560 KLVI Beaumont." New for me. [RS-MO]
920 **KWAD** MN, Wadena. 8/18 fair w/CFRY. 0650 with KWAD Weather, PSAs, crop report.
[SA-MB]
WOKY WI, Milwaukee. 8/16 poor w/CFRY. 0350 with BBD/EZL music. "WOKY" ID.
[SA-MB]
1050 **KGTO** OK, Tulsa. 8/30 good with local KTOZ-1060 off. Quick "KGTO 1050" mention
between EZL music. [RS-MO] No time given.
1150 **WAYY** WI, Chippawa Falls. 8/31 poor. 0658 with SSB, sign on. "WAYY Chippawa Falls"
ID. [SA-MB]
1210 **KOKK** SD, Huron. 8/31 very good. 2158 with C&W, spot for KOKK "Dakota Sports"
coverage. 2200 ID "12-10 KOKK Huron" into ABC News. [RS-MO]
1250 **WREN** KS, Topeka. 8/30 good with slight slop from local KTTS-1260. 2118 with "The best
in country-gospel music is yours here. Solid Gospel, WREN Topeka." [RS-MO]
1380 **KCNW** KS, Fairway. 8/31 fair for brief period when unID station (see below) made a pattern
change. 2100 with ID "KCNW Fairway. Kansas City's source for great Christian
music." New for me. [RS-MO]
1430 **WFOB** OH, Fostoria. 8/11 very poor in mess. 0530 with sign on. New for me. [SA-MB]
1570 **WTRB** TN, Ripley. TENTATIVE. 8/30 fair. 2105 out of Ai news into local weather for
Ripley. Faded during SID. Contemporary country music. No announcements or
IDs between song. [RS-MO]

unIDs

- 1200 unID 8/31 good in WOAI null. 2143 with religious program featuring a British-accented
man. Looping NW/SE. Apparent patter change at 2145 as signal left. Possible
KFNW (sunset time appears to be correct for Fargo area during August.)
KOKK-1210 in very well at the same time [RS-MO]
1380 unID 8/31 fair. 2034 with Louisville Redbirds AAA baseball coverage. No station breaks
or local spots. Pattern change at 2059:30. PBP guy didn't pause for local ID.
[RS-MO]

25 YEARS AGO

Sorry gang, but back in 1967 DX Monitor was published only 2 times during
October! Join us next week for a look back at the October 7, 1967 issue!

OPEN MIKE

A wise person makes his own decisions, a weak one obeys public opinion. Shawn mentioned conditions have
been terrible. Let's hope this month things have improved! We're weekly again! Report often! 73, John.



EASTERN DX ROUNDUP
 Leonard Hyde
 1805 Whipple Dr #26
 Blacksburg VA 24060

EDXR REMEMBERS... Ethel Cecile Rosalia Allen, aka "Gracie Allen"
 (7/26/05 - 9/28/64) - As we all know, a real airhead. (NOT!!!)

* * * THE REPORTERS * * *

- (LH-AL) Lynn Hollerman - 514 Carrsbrook Rd. - Huntsville AL 35803
 DX-440, 70' longwire antenna
- (ed) The editor at home with modified Philco-Ford car rx,
 DX-440, 2' box loop, Autek QF-1

* OF SPECIAL INTEREST *

990 WNRV VA, Narrows 9/12 1100 station previously reported
 SILENT is back on again w/same C&W format. (ed)

DXING HURRICANE ANDREW

Unfortunately, Miami must be the only major US city without a 50kW
 clear channel station. However, I was able to hear a little from time
 to time. Details follow, in chronological order:

- 790 WMRZ FL, S. Miami 8/24 0030 very poor in/out w/Hurricane
 Andrew updates. Anmts about emergency shelters, etc. As
 storm is about 5 hours from landfall, they are not overly
 concerned - they go back to NOS mx. (ed)
- 560 WQAM FL, Miami 8/24 0230 good w/instructions on telling
 if frozen foods are still good after power outages, how to
 purify water. If you are not where you should be, GET
 THERE NOW - you are running out of time. "WQAM - 560 joins
 WCIX Channel 6 to provide continuing coverage of Hurricane
 Andrew." Caller in SS with frantic questions about a rela-
 tive who is 25 miles out to sea. Ancr cannot believe that
 anyone would go out to sea in face of coming storm, tells
 caller it doesn't look good. Faded by 0245. (ed)
- 870 WWL LA, New Orleans 8/25 2000-0200 good. "You're listening
 to continuing coverage of Hurricane Andrew on WWL 870 AM,
 WSMB 1350 AM, Magic 102 FM, and KMEZ, Belle Chasse - New
 Orleans." Accepting reports from callers at 504-260-1870.
 Firsthand eyewitness reports of tornadoes at LaPlace and
 Reserve. Reports on closings and cancellations - in addi-
 tion to most businesses and schools, the "Hammer" concert
 tomorrow night is off! Many callers in the primary strike
 zone are without power, express gratitude to WWL for cov-
 erage, claim that WWL is their only link with the outside.
 (Wonder where their FM stations are now, hi.) Fascinating
 listening, but I couldn't stay up any longer. (ed)

* * * THE REPORT * * *

- 600 WREC TN, Memphis 8/26 2131 Memphis Chicks baseball game,
 Wendy's ad. (LH-AL)
- 620 WSUN FL, St. Petersburg 8/29 0831-0833 mentions of "sis-
 ter station WIOD," how to make contributions to those in
 Miami. Lots of QRM. Weak. (LH-AL)

EDXR continues...

940 WINZ EL, Miami 8/26 2208-2218 ID, mentions of FPL numbers given for emergency assistance. Lots of PSAs for hurricane area. Strong signal. (LH-AL)

1020 WJEP GA, Ochlocknee 9/9 0732-0735 S/on, into religious mx. Fading, w/YL vocal. (LH-AL)

* * * * TENTATIVE * * * *

590 WVLK KY, Lexington 8/26 2127-2130 "Spray Power" ads, mentions of Central KY, talk show. Strong then faded. (LH-AL)

* * * * CREDITS * * * *

The following persons contributed in one way or another to EDXR during Volume 29. Thanks, and keep up the good work!

Shawn Axelrod
Tony Fitzherbert
Bill Hardy
Leonard Hyde
David Reitz
J.D. Stephens
Robert Wien

Ray Bauernhuber
Tim Hall
Hank Holbrook
Tom Jasinski
Robert Ritchey
William Townshend
Karl Zuk

Mike Brooker
Mike Hardester
Lynn Hollerman
Karl Jeter
Keith Short
Thomas White

* * * * EDITOR'S DESK * * * *

Thanks to all the reporters for their support. References used are the 1992 NRC AM Log, and DX Monitor.

Deadline here is Friday 2 weeks before the publication date of the DXM issue. If your report might be late, send it anyway. It will go in the next column.

Reports do not have to be typed, but please write them neatly! They should be sorted by frequency. Use the same basic format that is used in EDXR: frequency, call, state, town, date, time (ELT), report. Also, be sure to put the reporter ID you want used on THAT logging at the end of EACH logging, unless they are all the same.

Please mark all tentatives and unIDs clearly. If there is something unusual about the logging, such as station on a different frequency or a different format than what is listed, be sure to note that as well. Thus, I will know for sure that it was not a mistake or slip of the pencil.

We highly encourage the reporting of all tests to the DXR columns. One thing we have sometimes lacked in the past has been a LOCAL reporter for DX tests. Therefore, if the station testing is one of your locals or regulars, you can do the club a GREAT service by reporting on it, especially in cases where the test did NOT run as scheduled. DXers farther away may assume they couldn't hear the test, when in actuality, it didn't run. Therefore, if you definitely know that a test did not run, by all means let us know. We will set aside a special section of the column for DX tests when they begin.

Heartfelt thanks to Ray Bauernhuber for 4 years of hard work and dedication to IRCA & EDXR. We will look forward to hearing from him in the future from time to time. Thanks again, Mr. B.

DX season is upon us, we're WEEKLY. 73 de LLH.

IRCA Stationery

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



Western DX Forum

★ ★ ★ ★

REID WHEELER 5910 BOULEVARD LOOP SE OLYMPIA WA 98501

Deadline - Saturday 2 weeks before publication

John C. Johnson, 979 Neptune Blvd, Billings, MT 59105-2129

[9/11] DX time has been limited the past few months, but should pick up shortly. I am so happy to see us return to having contests! Aside from a little friendly challenge, this does motivate one into DXing. Nancy will make a great contest manager. I was unable to attend the convention this year because of the distance involved. Next year might be different. Larry Godwin and I have put together a 1993 convention bid for Billings. Recently I mentioned KBSR-1490 was doing some SS broadcasting. At present this is limited to just a 5 hour broadcast on Sunday afternoons. With some 12,000 SS listeners in this area one can expect expanded coverage at some point in the future. Meanwhile KBSR plays the rock oldies other than the 5 hours Sunday afternoons. Considering the time and frequency, you probably won't catch this on a DX. Well, time to warm up the R71A and try for all those call changes that happened this summer. 73, John.

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

(406) 721-5131

[9/15] Greetings! Congratulations to you, Ralph, on receiving the TVA! Know that your efforts have been deeply appreciated. Also I'm pleased that Leonard Hyde has volunteered to edit the EDXF. Best of luck to you Leonard! Nancy has come up with some intriguing DX contests for this season. There is literally something for everyone in the fine selection of ideas she has presented. John Johnson and I are bidding for the 1993 IRCA convention in Billings, on June 25-26-27. We are very enthusiastic about hosting this fine event. As Lynn and J.D. said, ours is sometimes a lonely and misunderstood hobby, and we need these annual get-togethers to bolster our interests and energy. If we get the bid, you might want to plan side-trips to Glacier and Yellowstone National Parks while you are in the Big Sky State. John has scouted for the best motel site and come up with a good one. So we hope it will be on to Billings in '93! 73



EASTERN

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

DX

FORUM

Deadlines: Saturdays Phone: 414-ATLantic 2-9035

Gerry Thomas, 3635 Chastain Way, Pensacola, Florida 32504

Phew! It seems like an eternity since I've contributed to this column but I've been up to my ear lobes in orders for Quantum Loops. I'd like to thank you for the tremendous response to the Quantum Loop; orders have been steady and feedback has been very heartening. I seem to stay backlogged 5-8 orders and since I can only crank out about 3 or 4 of these very labor intensive loops a week, the time to fill orders is remaining 3-4 weeks. If you are thinking about ordering a Quantum Loop, please don't forget to tell me what kind of patch cord connector you want (UHF, RCA, BNC, or alligator clips). The price remains \$135 plus \$5 UPS. On to other matters, other than bench testing the loops as they are made, very little DX has occurred around here so far. I have noticed conditions noticeably improving during the last few weeks of August/early September, due mostly to a decrease in atmospheric noise. Incidentally, atmospheric/ionospheric noise is the limiting factor in DX so, as others have said, a lot of gain in an antenna gets you absolutely nothing if it also amplifies the noise (which it must necessarily do). However, it sure is nice to have a high gain antenna with adjustable gain so that when those quiet MMs occur, you can crank it up for maximum DX reach. Locally, WTKX-1230, at one time the local C&W station, then the Black station, then the alternative rocker ("Radio 1-2-3), then a simulcaster with FMR WTKX-101.5, is now 24-hour-a-day tourist info. It should be a snap to ID since it mentions Pensacola every other sentence it seems. Well, it's back to work, so I'll close. Thanks again for the encouraging response to the Quantum Loop. 73's...GT.

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

(from London) Reception conditions were not great while in Finland for EDXC-'92, so I didn't hear anything special. Strongest daytime Finns were Lahti-252 and Pori-963. I didn't even bother to tape the ID after they played a thing called "Roto-Rooter Man". The host DX club of Tampere put an event station called "Radioworld" on the air via the university FM transmitter which was otherwise off for the summer. WHAS/WAMZ kindly provided some T-shirts for the DX auction and a stack of stickers which I greatly enjoyed giving away. Down in Brussels my daytimers were "BBC for Europe" on 648 and BBC Radio 4 - 198. At night both Capital Gold-1548 and BBC GLR-1458 were heard quite well. Arriving in London I wanted to hear and record the 1584-T.I.S. listed in WRTH as being at Heathrow. No luck, but will try for the other one at Gatwick on the way out next week. Some interesting London stations are Spectrum Radio International-558, with ethnic programs, and London Talkback Radio-1152, which has guest conversations, call-ins and LBC news. The latter is dual to Newstalk Radio-97.3. I liked Capital Gold, but got the impression the younger set prefers Capital FM-95.8 or LW Atlantic 252. Trans World Radio puts a late evening English signal into London on 1467 via RMC in France. I visited Capital Radio in Euston Tower to buy T-shirts and attended 8H-92, the BBC Radio Show at Broadcasting House. To quote: "A unique opportunity to look inside the doors of Broadcasting House and share the magic of 70 years of BBC Radio." That it was! Also went by the BBC World Service shop at Bush House to buy a T-shirt. While on a tour took a pix of sign over door to Bath Studio of BBC Radio Bristol, between the Pizza Kitchen and the Kebob House. My 61st birthday today. Am anxious to get back home and see if HAWG is on the air yet on 1620. It'll be something to see when the FCC shows up and finds a pen full of hawks running a pirate radio station. Listen for those grunts and squeals and send your reception reports to Radio HAWG, c/o the Hawks 'R Us store in Falling Rock Zone, KY.

Tom Bryant, 849 Todd Preis Drive, Nashville, Tennessee 37221

As a very new IRCA member, I thought I'd take time to say hi to everyone and introduce myself. Some of you may already know me as verifier for WSM and WSM-FM in Nashville. I've been handling our veries for about 8 years. I'm also active in the WTFDA and write the monthly historical column "TV TIME TUNNEL". Although I've been DXing the AM band since pre-teen days, I've never had any fancy gear. My station count is modest at about 450, but that was accomplished with average receivers with built-in antennas. Most of my AM band dial twisting is now done in the car! I began my radio career in 1956 (age 15) at KFYZ in Bismarck, ND, and have worked in various on-air capacities at KFYZ AM & TV, KBOM (now KLXX) also in Bismarck; KFJM in Grand Forks, ND; CJOB AM & FM and CJQM AM & FM, all in Winnipeg; KXGO (now KFGO) and KXJB-TV in Fargo; WWGM in Nashville; and since 1967 at WSM AM & FM (and also WSM-TV when it was co-owned). I have been Production Manager at WSM for 22 years. My exposure to the various DXer organizations did not take place until about 5 years ago, and I'm now a member of IRCA, NRC and WTFDA. Although I've attended two WTFDA conventions (and should have a third under my belt by the time you read this), the IRCA Convention in Huntsville was my first in-person encounter with a group of AM DXers...and it was GREAT! The event was extremely well planned, and although the turnout was small, we all had a terrific time getting acquainted and shooting the breeze about the hobby. Those who weren't able to attend really missed a good pow-wow. If you've never been to a convention, you really ought to make plans to take in the 1993 get-together. It's time and money you'll never regret spending! Enough rambling. I'll close with an invitation to those who would like a QSL from WSM to send me an accurate log (include several easily identifiable locally originated items, such as announcer names, sponsor names, slogans, contest details, etc.). If your report is accurate, I'll be glad to see that our card is added to your collection. No need to send a stamp, but do mention that you're an IRCA member. Good DXing. (Tom, thanks for the report but it should come right to me in Milwaukee. I may take you up on the WSM QSL offer as I need the verie from the Milwaukee reports. I've logged at one time or another from one DX location or another most of the stations you listed as having worked at!--rce)

Leonard Hyde, 1805 Whipple Drive, #26, Blacksburg, Virginia 24060

Volume #30 is here! Weeklies are upon us! If only DX would improve! Well, it will, hopefully sooner than later. To reiterate: from this point on, all reports for EDXR should be sent to me. As you read this, my first EDXR column has already been mailed to Ralph, and will appear next issue. Let's have more of the same good support you gave the column last year. I welcome any and all suggestions, critiques and comments on the column. Don't worry about offending me - I have a thick skin! The way I see it, anyone who cares enough to write a report, a comment or a critique at least does care, and should be encouraged and commended. The world is too full of people who don't care. I hope all you lucky convention goers had fun - I wanted to be there, but couldn't. Actually, I called the motel on Sunday morning, asking if there was a phone in the room where the convention was being held. The answer was no. On another matter, I saw a proposal that would allow a member to run for more than one office at a time. This sound good on the surface, but some nagging questions soon arose. If the member wins BOTH elections, which office does he assume? The proposal didn't say he could HOLD two offices at once, only run for two (or more?) What happens to the office he does not assume? If I was the guy who lost, and am offered that office only because the winner chose to assume a different one, am I going to take it? NO WAY, buddy. I've already lost - don't rub my nose in it. What happens now - an other election, or an appointment? As you can see, this raises difficult questions. I'm not saying there are no answers, but this certainly deserves a CAREFUL consideration by the membership before passing it. I'm sure there will be more info on it in the future. 73 de LLH.

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

I understand Leonard's feelings on a person winning the election to two offices, but the more I think about it, the more I'm beginning to like the idea. I realize the possibility of hurt feelings and such, but still the problem last year of having to decide between Phil and John for club president was that, as a result of the election, we had to lose one being involved in the club government and that didn't appeal to me. Perhaps a possibility would be that I could only cast one vote for a given person regardless of how many offices he ran for--I could have voted for Phil or John only for president or BoD, but not both. I could have gone with Phil for president and John for BoD and, if enough felt my way (or the exact opposite) we would have both involved. Sorry about missing the deadline for the first issue in this volume, but it worked out for the best for me. We spent Labor Day weekend traveling in ND and SD. Barb and I had never been in that area before but we found out that we both liked ND a lot. Perhaps the fact that ND has a lot less people for the whole state than live in the Milwaukee metro area has something to do with it, hi. I did a band scan while driving on US283 south of Jamestown and found only a few stations audible using the seek button. I didn't write them down, but I recall hearing KFYZ-550, WNAX-570 SD (carrying the Chicago Cubs BB game), KFGO-790, KSJB-600, KQWB-1550, WCCO-830 MN (carrying the Minnesota Vikings football game). Not a lot of stations, but then ND doesn't have that many. Saturday night in the motel in Alexandria, MN, I tried a bandscan but not much luck. Basically, just KFYZ-550, KSJB-600 and perhaps KQWB-1550. We were in a concrete block building, and there were storms predicted for the whole weekend. (We hit periods of hard rain both Saturday and Sunday.) I couldn't help wondering what could be heard up there with a decent antenna and decent weather conditions. (I was using my GE Superadio without the big loop. Too hard to carry that.) We're definitely planning to go back and check the state out more. We didn't care much for SD, tho. A verie! WKMI-1360 (my old local--the rocker I grew up on but now 24-hour talk. Just two lines confirming my reception saying my report seemed accurate. Really a disappointment! One clarification on my comments on using ELT vs EST from last issue. The advantage of using ELT is that it keeps schedule times consistent between standard time and daylight time. For example: If I see that XXXX-1580 is carrying a local farm show from 0800-0900 ELT in July, I can expect to find that program at the same time in December. Using EST year-round or UTC, I have to make allowances for the time shift after the end of October making the new time of the show 0700-0800. If the program is heard before the time change but printed in the bulletin after the time change, it really makes for fun. The bulletins are now weekly until the end of March. See you in seven days. 73.



**KUI'S
RADIO STATION**

Hearing It Through The Grape Vine

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

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 ROBERT WIEN 1309 DENTWOOD DR SAN JOSE CA 95118
 YE OLDE EDITOR IN THE GREAT WHITE NORTH

CALIFORNIA AND NEVADA BANDSCAN EXTRAVAGANZA

LEONARD HYDE AT CASTLE LAKE NEAR MT. SHASTA JULY 1987 FORD CAR RADIO 2 FOOT LOOP

540	KVIP	Redding CA	560	KSFO	San Francisco CA	570	KCNO	Alturas CA
580	KCMX	Ashland OR	600	KHTE	Redding CA	620	KWSD	Mt. Shasta CA
670	KBOI	Boise ID	680	KNER	San Francisco CA	700	KGRV	Ashland OR
710	KFIA	Sacramento CA	730	KBOY	Medford OR	740	KCBS	San Fran. CA
750	KXL	Portland OR	780	KROW	Reno NV	790	KFLY	Eureka CA
810	KGO	San Francisco CA	830	KCNO	Grass Valley CA	860	KTRB	Modesto CA
880	KMFR	Ashland OR	910	KNEW	Oakland CA	920	KOLO	Reno NV
930	KAGI	Grants Pass OR	950	KAHI	Auburn CA	960	KLAD	Klamath F OR
970	KHYV	Modesto CA	980	KINS	Eureka CA	1010	KSAY	San Fran. CA
1030	KIOQ	Sacramento CA	1050	KORE	Springfield OR	1060	KPAY	Chico CA
1090	KNCR	Fortuna CA	1100	KFAX	San Francisco CA	1110	KRCX	Roseville CA
1120	KPNW	Eugene OR	1140	KRAK	Sacramento CA	1150	KAGO	Klamath F OR
1170	KLOK	San Jose CA	1190	KNBA	Vallejo CA	1230	KYJC	Medford OR
1240	KSAC	Sacramento CA	1250	KLK	Willits CA	1260	KOIT	San Fran. CA
1270	KPLY	Reno NV	1270	KAJO	Grants Pass OR	1290	KHSL	Chico CA
1310	KDIA	Oakland CA	1320	KGNR	Sacramento CA	1330	KRDG	Redding CA
1350	KSRO	Santa Rosa CA	1380	KSMJ	Sacramento CA	1400	KQMS	Redding CA
1440	KMED	Medford OR	1450	KAVA	Burney CA	1450	KFLS	Klamath F OR
1470	KXOA	Sacramento CA	1480	KRED	Eureka CA	1490	KSVC	Yreka CA
1510	KTIM	San Rafael CA	1530	KFBK	Sacramento CA	1560	KIQS	Willows CA
1590	KLTV	San Jose CA	1600	KUBA	Yuba City CA			

ROBERT WIEN SMITH RIVER CA GE SUPERADIO SEPTEMBER 5 1992

560	KFSO	San Francisco CA	570	KCNO	Alturas CA	610	KYJC	Medford OR
630	KWRO	Coquille OR	650	KRDY	Rancho Cordova CA	680	KNER	San Fran. CA
710	KFIA	Carmichael CA	730	KBOY	Medford OR	740	KCBS	San Fran. CA
790	KEKA	Eureka CA	880	KTMT	Medford OR	910	KURY	Brookings OR
930	KAGI	Grants Pass OR	950	KTBR	Roseburg OR	960	KLAD	Klamath F OR
980	KINS	Eureka CA	1060	KPAY	Chico CA	1090	KNCR	Fortuna CA
1140	KRAK	Sacramento CA	1170	KLOK	San Jose CA	1240	KPOD	Crescent City
1270	KAJO	Grants Pass OR	1300	KHUG	Phoenix OR	1310	KFVR	Crescent City
1340	KATA	Arcata CA	1440	KMED	Medford OR	1480	KRED	Eureka CA
1550	KKHI	San Francisco CA						

ROBERT WIEN EUREKA CA SUPERADIO SEPTEMBER 1992

540	KVIP	Redding CA	600	KHTE	Redding CA	630	KWRO	Coquille CA
650	KRDY	Rancho Cordova CA	680	KNER	San Francisco CA	710	KFIA	Carmichael CA
740	KCBS	San Francisco CA	790	KEKA	Eureka CA	810	KGO	San Fran CA
910	KURY	Brookings OR	930	KAGI	Grants Pass OR	980	KINS	Eureka CA
1010	KIQI	San Francisco CA	1090	KNCR	Fortuna CA	1120	KPNW	Eugene OR
1140	KRAK	Sacramento CA	1240	KPOD	Crescent City CA	1310	KFVR	Crescent City
1340	KATA	Arcata CA	1480	KRED	Eureka CA	1530	KFBK	Sacramento CA
1550	KKHI	San Francisco CA						

Neither CP for KTCD 1200 Eureka or KDVD 1590 Landing on air yet

ROBERT WIEN SOUTH LAKE TAHOE CA SUPERADIO AUGUST 8 1992

590	KTHO	S lake tahoe CA	630	KOH	Reno NV	650	KRDY	R. Cordova CA
680	KNER	San Francisco CA	710	KFIA	Carmichael CA	740	KCBS	San Fran. CA
780	KROW	Reno NV	830	KNCO	Grass Valley CA	860	KTRB	Modesto CA

SOUTH LAKE TAHOE BANDSCAN CONTINUED

920	KQLO	Reno NV	950	KAHI	Auburn CA	960	KABL	Oakland CA
970	KBEE	Modesto CA	980	KVLV	Fallon NV	990	KKIS	Pittsburg CA
1140	KRAK	Sacramento CA	1170	KLOK	San Jose CA	1230	KCBN	Reno NV
1270	KPLY	Sparks NV	1300	KPTL	Carson City NV	1320	KGNR	Sacramento CA
1340	KXEQ	Reno NV	1360	KFTV	Modesto CA	1380	KSMJ	Sacramento CA
1490	KOWL	S Lake Tahoe CA	1530	KFBK	Sacramento CA			

Most of the signals blocked out above 1400 by the hotel's steel construction

JASON DOLAN				JAMES LICK OBSERVATORY				ATOP MT HAMILTON CA				AUG.1992				KENWOOD KRC630			
540	KIEZ	Carmel Valley CA	540	KVIP	Redding CA	560	KSFO	San Fran CA	580	KMJ	Fresno CA	610	KFRX	San Francisco CA	620	KIGS	Hanford CA		
580	KMJJ	Fresno CA	610	KFRX	San Francisco CA	620	KIGS	Hanford CA	630	KIDD	Monterey CA	650	KRDX	Rancho Cordova CA	680	KNBR	San Fran CA		
700	KSUR	Soledad CA	710	KFLA	Carmichael CA	740	KCBS	San Fran CA	770	KPLA	Riverbank CA	790	KOOO	Clovis CA	810	KGO	San Fran CA		
830	KNCO	Grass Valley CA	860	KTRB	Modesto CA	880	KKMC	Gonzales CA	900	KBIF	Fresno CA	910	KNEW	Oakland CA	920	KLOC	Modesto CA		
940	KFRE	Fresno CA	960	KABL	Oakland CA	970	KOOK	Modesto CA	980	KEYQ	Fresno CA	980	KCTY	Salinas CA	990	KKIS	Pittsburg CA		
1010	KIQI	San Francisco CA	1050	KOFY	San Mateo CA	1060	KPAY	Chico CA	1080	KSCO	Santa Cruz CA	1100	KFAX	San Francisco CA	1140	KRAY	Sacramento CA		
1170	KLOK	San Jose CA	1190	KNBA	Vallejo CA	1220	KIBE	Palo Alto CA	1230	KWJ	Stockton CA	1240	KNRY	Monterey CA	1260	KOIT	San Fran CA		
1280	KJAX	Stockton CA	1290	KAZA	Gilroy CA	1310	KDIA	Oakland CA	1320	KCTC	Sacramento CA	1330	KLBS	Los Banos CA	1340	KBOS	Fresno CA		
1350	KSRO	Santa Rosa CA	1360	KFTV	Modesto CA	1370	KEEN	San Jose CA	1380	KTOM	Salinas CA	1390	KMLX	Turlock CA	1400	KBLX	Berkeley CA		
1410	KRML	Carmel CA	1420	KSTN	Stockton CA	1430	KNTA	Santa Clara	1440	KVON	Napa CA	1450	KEST	San Francisco CA	1470	KXOA	Sacramento		
1480	KYOS	Merced CA	1500	KSJX	San Jose CA	1510	KAPX	San Rafael	1520	KMPG	Hollister CA	1530	KFBK	Sacramento CA	1540	KLAU	S. CUZ CA		
1550	KGHI	San Francisco CA	1570	KCVR	Lodi CA	1570	KTGE	Salinas CA	1580	KLOQ	Merced CA	1590	KLIV	San Jose CA	1600	KGST	Fresno CA		
1600	KUBA	Yuba City CA																	

JASON DOLAN				SPARKS NV				AUGUST 1992				KENWOOD KRC630					
560	KFSO	San Francisco CA	570	KCNO	Alturas CA	580	KMJ	Fresno CA	590	KTHO	S.Lake Tahoe CA	610	KFRX	San Francisco CA	630	KOH	Reno NV
650	KRDX	Rancho Cordova CA	680	KNBR	San Francisco CA	710	KFLA	Carmichael	740	KCBS	San Francisco CA	780	KROW	Reno NV	830	KNCO	Grass Valley
860	KTRB	Modesto CA	920	KQLO	Reno NV	980	KVLV	Fallon NV	1060	KPAY	Chico CA	1140	KRAK	Sacramento CA	1230	KCBN	Reno NV
1270	KPLY	Sparks NV	1300	KPTL	Carson City CA	1340	KXEQ	Reno NV	1380	KSMJ	Sacramento CA	1410	KMYC	Marysville CA	1450	KOZZ	Reno NV
1490	KOWL	S. Lake Tahoe CA	1530	KFBK	Sacramento CA	1550	KXTO	Reno NV	1590	KHIT	Sun Valley NV						

JASON DOLAN				ELKO NV				AUGUST 1992				KENWOOD KRC630					
570	KISN	Salt Lake City UT	580	KFXD	Napa ID	610	KVNU	Logan UT	630	KIDO	Boise ID	630	KOH	Reno NV	650	KMTI	Manti UT
670	KBOI	Boise ID	680	KNBR	San Francisco CA	700	KFAM	N Salt Lake	720	KDWN	Las Vegas NV	730	KSVN	Ogden UT	780	KROW	Reno NV
800	KNKK	Brigham City UT	860	KLZX	Salt lake City UT	910	KALL	S. Lake City	920	KQLO	Reno NV	970	KBBK	Rupert ID	980	KVLV	Fallon NV
1120	KANN	ROY UT	1140	KGEM	Boise ID	1160	KSL	S Lake City	1240	KELK	Elko NV	1310	KLIX	Twin Falls ID	1370	KSOP	S Salt Lake
1430	KLO	Ogden UT	1600	KBBX	Centerville UT												

Well all of you in the Mid West and the East let's see if you can send in some bandscans taht will give us an idea of what is out there.

STATE OF THE MONTH OKLAHOMA

LEONARD HYDE							
740	KRMG	Tulsa	winter nites	1170	KVOO	Tulsa	Often
1210	KGYN	Guymon	Once SSS in CA	1520	KOMA	Olka. City	Often
1560	KKID	Sallisaw	1991 IRCA DX TEST				

MIKE SANBURN							
930	WKY	Oklahoma City	KKHJ SP	1170	KVOO	Tulsa	Regular
1210	KGYN	Guymon	Regular	1420	KTJS	Hobart	1991 DX TEST
1430	KELI	Tulsa	KALI SP in 70's	1520	KOMA	Okla. City	Reg. PEST
1560	KWCO	Chickasha	1991 DX TEST				

JIM HILLIKER

740	KRMG	Tulsa	KBCS SP	890	KBYE	Okla City	SRS twice
1170	KVOO	Tulsa	SRS in KCBQ SP	1210	KGYN	Guymon	Reg. SRS
1520	KOMA	Oklahoma City	Regular nights	/ before UT stn came on in 1984			

MIKE HARDESTER

740	KRMG	Tulsa	First heard in CA in '69; occ in both CA and CO				
890	KBYE	Oklahoma City	Heard in CO in 1984 during DX test				
930	WKY	Oklahoma City	Infrequently in CO in 1984				
1000	KTKO	Oklahoma City	Infrequently in CA in 1976				
1170	KVOO	Tulsa	First OK stn; heard in CA in 1969				
1210	KGYN	Guymon	Frequently heard in CA and DX test				
1520	KOMA	Oklahoma City	Infrequently in CA in 1969				
1560	KWCO	Chickasaw	Once in 1971 in CA				
1570	KMYZ	Pryor	Once in IRCA DX test 1992 in NC				

YE OLDE EDITOR

740	KRMG	Tulsa	Occ nights	930	WKY	Okla City	Occ nites
1000	KTKO	Okla City	Regular at nite	1170	KVOO	Tulsa	Most nites
1210	KGYN	Guymon	Reg at SRS	1300	KAKC	Tulsa	Rare SRS
1320	KXOL	Clinton	DX test	1500	KXVQ	Pawhuska	Once SSS
1520	KOMA	Okla City	BIG PEST	1530	KXTD	Wagoner	Rare SRS
1560	KWCO	Chichasha	Once SRS	1570	KTAT	Frederick	Once SRS
1580	KOKB	Blackwell	SRS rare				

FREQUENCY OF THE MONTH 1340 KHZ**MIKE HARDESTER FROM CALIFORNIA**

KIST	Santa Barbara CA	Frequently	KOMY	Watsonville CA	Occ. heard
KSKI	Hailey ID	IRCA DX test 1969	KWKY	Cathedral City CA	Infrequently

LEONARD HYDE

WAIR	Winston NC	Local in NC 60's	KOAR	Oroville CA	Reg in CA
KOMY	Watsonville CA	In 1980's from CA	WBLB	Pulaski VA	Local here
WKEY	Covington VA	From beverage site			

MIKE SANBURN

XEAA	Mexicali MEX	PEST	KRAM/KMIW	Las Vegas NV	Nightly
KIST	Santa Barbara CA	Common day/nite	KDOL/KVOY	Mojave CA	Dom. days
KORV	Oroville CA	Good occasionally	KPGE	Page AZ	1976 Freq CH
KMAK/KKAM/KBOS	Fresno CA	Good nites	KKKB	Aztec MN	Once in 84
KSFE/KTOX	Needles CA	Nightly	KWKY	Catedral City CA	Occ nites
KIKO	Miami AZ	Sometimes at S/OFF	KANR	NAMPA ID	Occ

JIM HILLIKER ANAHEIM CA

KIST	Santa Barbara CA	Miday regular	KDOL	Mojave CA	Miday reg
KMAK	Fresno CA	Regular nites	KATY	San Luis Obispo CA	Reg nites
KATA	Arcata CA	Once late nite	KWKY	Cathedral City CA	SSS/SRS
KSFE	Needles CA	SSS or nites	KOMY	Watsonville CA	Once SSS
KKKB	Aztec NM	Reg nites at SSS	KRAM	Las Vegas NV	Reg nites
KIKO	Miami AZ	SRS a few times	KBET	Reno NV	Rare nites
KQLL	Grand Junction CO	Twice late nites	KORV	Oroville CA	Once at S/off
KSIL	Silver City NM	SRS at S/ON			

JIM HILLIKER MONTEREY CA

KOMY	Watsonville CA	Regular now silent	KMAK	Fresno CA	Fair midays
KORV	Oroville CA	SRS or nite S/OFF	KVOY	Mojave CA	Late nites
KTOX	Needles	Once late nite	KRAM	Las Vegas NV	Late nite
KCEM	Aztec NM	SSS once in winter	KANR	Boise ID	SSS winter
KIHR	Hood River OR	Once SSS winter	KATA	Arcata CA	Semi reg.
KIST	Santa Barbara CA	Occ nites			

FOR NEXT TIME

FREQUENCY 1050 KHZ
STATE ARIZONA

WELL AN EXCELLENT START TO THE NEW SEASON. I CAN ONLY HOPE FOR THE SAME RESPONSE IN THE FUTURE. DON'T FORGET YOUR BEST CATCHES FOR THE NEXT TIME. YOU MAKE UP THE TYPE OF CATCH AND I PRINT IT.

REMEMBER ON A CLEAR DAY YOU CAN HEAR FOREVER!!!!

Contributors:

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530	KPD384	Merry L. Cavaya, Admin Asst. Astoria Chamber, P.O. Box 176, Astoria, OR	L	5	PM
	(None)	Dolly Blankenship, Ritzville EDC 208 W. Main, Ritzville, WA 99169	L	7	PM
648	2XC	F.G. Schultz, R. Rhema Private Bag 4744, Christchurch, NEW ZEALAND	Q	33	PM
650	KHNR	Bernie Armstrong, VP/GM Penthouse Ste. 850 Richards, Honolulu, HI 96813	L	45	PM
801	2GO	Shayne Bartlett, CE Box 564, Gosford, NSW AUSTRALIA 2250	QL	89	PM
880	KMFR	[KTMT] Don Bennett, Technical Director P.O. Box 159, Medford, OR 97501	PLB	6f	OW
1130	KWDS	Nancy Browning, Assistant Manager P.O. Box 27030, Prescott Valley, AZ 86312	LB+	23	OW
1190	XEWK	Lic. Rodrigo Wallace, Director Lerdo de Tejada 2186 44140 Guadaluajara, JAL MEXICO	L	55	PM
1210	KPRZ	Douglas E. Schleutker, Director of Engineering / Ron Walters, General Manager Steve Sherman, Operations Manager 1635 S. Rancho Santa Fe Rd. #201 San Marcos, CA 92069-5158	L		MS
1340	KVOY	Mel Winters 190 Sierra Ct. #B-2, Palmdale, CA 93550	L	6f	PM
1440	WGEM	Richard Cain, Operations Manager 513 Hampshire, Quincy, IL 62301	L	50	PM
1550	KKHI	(Illegible), 335 Powell St., San Francisco, CA 94102	P	6f	OW
1575	V.Free Asia	(Unsigned), Box 2-131-Rajdamnoen Rd. Bangkok, 10200 THAILAND	Q	50	PM

THIS COLUMN was submitted to clear out any tips which were sent in after my resignation. I'm typing this column on my computer at work, because that's where I spend all of my time now! At the time I resigned, I had no idea how much work was about to be dumped in my lap. I have been "promoted" to programming supervisor for the development of a new product. This meant I had to become proficient in a new development tool, computer, etc. virtually overnight so that I could train all of the new people we've hired. I see no immediate relief to this situation.

THE GOOD NEWS is that I have found enough room on this computer to recreate my Mexican database. I have received a ton of fresh information from Carl Huffaker in Mexico, and we should have an excellent new Mexican List published sometime in September. (My domestic database, which takes up 50 times as much room as the Mexican database, is unlikely to be recreated in the foreseeable future. My computer at home is still badly messed up and my system at work cannot readily accommodate something that big.

WE STILL NEED a new editor for this column (unless a volunteer steps forward by the time this hits print). These 65-hour work weeks pretty much demand that I eschew all other activities. In the meantime, thanks again to all who have supported this column over the past 5 years. 73,TRH

checked my new R8 out immediately for images. There was not even a hint of the 100 KHz image of my superlocal KRUS 1490 KHz on 1590 KHz. Subsequently I measured the image rejection of my new R8 at several frequencies in the MW band and at SW frequencies and found the image rejection to be 80 dB or better.

There are some aspects of R8 image rejection which puzzle me. Originally Drake specified R8 image rejection as better than 60 dB from 100 KHz to 1.5 MHz, and better than 80 dB from 1.5 MHz to 30 MHz. However, in the operator's manual I received with my new R8 the image rejection is specified as better than 80 dB throughout the entire R8 tuning range. Another difference between previous R8 specifications and current R8 specifications is that previously R8 sensitivity below 1.5 MHz was derated (less than the sensitivity above 1.5 MHz), while in my new operator's manual the R8 sensitivity is rated uniformly throughout the entire R8 tuning range with preamp off. (In my new R8 the preamp is still deactivated below 1.8 MHz.) Maybe these two specification changes are related. And maybe both are related to the undocumented MW attenuator which I discussed in my recent note "Drake R8 MW Attenuator." I am especially puzzled that I get different measured image rejection values from one day to another at the exact same frequency using the exact same equipment. It is as if something inside my R8 changes from one day to another. For example, I have gotten measured image rejection values as low as 80 dB and as high as 89.5 dB. The measured image rejection values also seem to depend on signal levels. I tend to get lower image rejection values when the image is at or near the R8 noise floor than when the image is considerably above the noise floor.

To put the above R8 image rejection values into perspective, according to Magne's NRD-525 white paper, Sherwood Engineering measured the (455 KHz) image rejection of an NRD-525 as 82 dB. Consequently, on some days the image rejection of my R8 is slightly less than a typical NRD-525, and on other days it is somewhat more. In any case, better than 80 dB image rejection is excellent.

While I had my equipment out I checked some other specifications of my R8. The 6 dB bandwidths measured 5.7, 4.4, 2.5, 1.8, and 0.3 KHz respectively, while the 80 (yes, 80) dB BW were 11.1, 8.2, 5.4, 4.4, and 1.4 KHz respectively. That is excellent selectivity. The noise floor in the MW band was typically 0.125 microvolts (-125 dBm) for the 6.0 BW, while MW band sensitivity using 6.0 BW for a 10 dB S+N/N ratio was 1.5 microvolts in AM mode. For CW, USB, or LSB the MW band noise floor was much lower, namely 0.025 microvolts (-139 dBm) for the 6.0 BW, and the MW band sensitivity was better, namely 0.75 microvolts for the 6.0 BW. By comparison the MW band noise floor of an R-390A is typically 0.15 microvolts, and an R-390A MW band sensitivity is typically 0.4 microvolts. To put these sensitivity figures into perspective, it seems to me that I can hear a few weak daytime MW signals slightly (ever so slightly) clearer on my R-390A than on the R8. However, most DXers never hear MW signals as weak as I hear because my MW band noise levels are much lower than most DXers', and in addition I use a noise reducing antenna which further reduces my MW band noise floor. Thus I rate the R8 MW band sensitivity as excellent, almost as good as an R-390A. As a matter of fact, I can hear some weak daytime MW signals better on the R8 than on the R-390A, namely when the R8 noise blanker is effective. The AM mode 3rd order dynamic range of my R8 using the 6.0 BW and 20 KHz tone spacing was typically 87.6 dB in the MW band. Let me point out that Drake's spec of greater than 90 dB dynamic range refers to SSB mode and 2.3 BW. In that case I got a whopping 106 dB dynamic range (primarily because of the much lower CW/SSB noise floor of the R8). These measurements suggest that it may be advantageous to use ECSS techniques on some extremely weak MW band signals, and while I haven't checked it out extensively, listening tests seem to support this suggestion. A ham I spoke with told me he can hear weak CW signals in the ham bands using his R8 that he can't hear at all on his other receivers. Apparently Drake did a bang-up job on the CW/USB/LSB part of the R8 design.

The notch filter on the first R8 I received, in September 1991, didn't work at all. The notch filter in my new R8 works great, at least within the R8 notch frequency range of 500 to 5000 Hz. Sometimes the notch null is difficult to position (a vernier tuning knob for the notch would be helpful in some cases). And it is annoying that the notch will not tune below 500 Hz. In my opinion a tone control on a communications receiver is unnecessary. Maybe I can figure out how to disable the tone control and use the tone control knob to tune the notch below 500 Hz.

At first I thought the noise blander in my new R8 was intermittent. Fortunately a EE friend of mine had stumbled across the Allegro ULN3845A noise blander chip data sheets and sent me copies a few weeks ago. After studying the ULN3845A data sheets and the R8 schematic I concluded the apparently intermittent blanking of the R8 noise blander was normal. Here is what was happening. In the R8 the 3845A follows the 45 MHz filter but precedes the selective 50 KHz IF tuned circuits. The 3845 chip is designed so that audio signals do not trigger the blander. Since the 3845 "sees" all signals in the 45 MHz filter bandpass (12.5 KHz at 6 dB down, and 25 KHz at 60 dB down), adjacent signals which are somewhat stronger than the desired signal can and do inhibit blanking when the adjacent signals are stronger than the noise pulses. For daytime MW signals you will seldom obtain significant blanking action unless both adjacent channel signals are no stronger than the desired signal. When the R8 noise blander is not "disabled" by stronger adjacent signals, it is very effective indeed.

The R8 front panel headphone jack is set up for stereo headphones. Yes, it works with mono headphones, but at reduced volume. My favorite headphones are Radio Shack Cat. No. 20-210A Lightweight Monaural Headphones with the 1/8 inch plug cut off and rewired with a standard 1/4 inch plug (the 1/8 to 1/4 inch adapter which comes with them introduces "static"). When using these headphones with the R8 I had to turn the volume up so high that the speaker would almost deafen me unless I remembered to turn down the volume before unplugging the headphones. After I rewired the headphones using a 1/4 inch stereo plug, the situation was better. But I feel that Drake could have done a better job of equalizing headphone and speaker volume. Perhaps part of the problem is the 16 ohm impedance of the 20-210A headphones, but I doubt it. The R8 schematic seems to have omitted the headphone circuit. So I pulled off the flimsy removable top part of the case and peered around. Near the encapsulated PC board mounted stereo headphone jack I spotted two 100 ohm resistors and a 220 ohm resistor. Apparently these are dropping resistors for the headphones, in which case one can adjust the values of those resistors to equalize the headphone volume. Maybe Drake copied the NRD-525 headphone circuit, which has similarly low headphone volume. In his article about NRD-525 modifications (DX News, Vol. 59, No. 5, Nov. 4, 1991), John Tow mentioned a 100 ohm resistor in the NRD-525 as being responsible for the low headphone volume, and said that changing that resistor to 33 ohms muchly improved the situation. It remains to be seen if a similar mod will equalize R8 headphone volume. I had in mind 47 ohm resistors for the 100 ohm resistors, and a 100 ohm resistor for the 220 ohm resistor in the R8, but would want to breadboard the mod using the R8 rear panel speaker output before permanently modifying the R8 front panel headphone circuit.

My new R8 has the "static" problem due to tuning knob rotation at certain knob positions (once each rotation of the knob) when the R8 is not grounded to power line ground or a good external ground (using the ground nuts on the rear panel). According to remarks attributed to Magne in an E-mail memo of unnamed origin, Drake was supposed to have fixed this problem. Obviously they haven't. Why doesn't Drake just use a 3 wire power cord? When I get around to it, I'm gonna replace the two wire power cord with a three wire power cord.

The outstanding audio quality you get with an R8 is due primarily to two things. The R8 has excellent audio amplification - low distortion and adequate audio output power (2.5 watts into 4 ohms). Many DXers, as well as many radio design engineers, are unaware that a poorly designed AGC circuit can seriously degrade the otherwise excellent audio quality of received signals. If there is any significant amount of audio on the AGC line, the lower frequencies of received audio will be distorted, which is manifested by muffled audio. The NRD-525 in AM mode is a classic example of this defect. An AGC circuit should also have well-defined attack and release times. The NRD-525 in AM mode is again a classic example of a receiver which does not have well-defined attack and release times. For the NRD-525, the ill-defined AM mode attack and release times are manifested by distorted audio on very strong signals (which has been confused by some NRD-525 users as overload distortion), AGC hanging on noise spikes when trying to listen to weak signals (sound familiar, 525 users?), and other problems. To recapitulate, the R8 has outstanding audio quality on received signals because the R8 has excellent audio circuits and an excellent AGC circuit.

As I said above, the R8 AGC circuit is excellent. I haven't measured the R8 AGC circuit parameters yet, but if Drake's published specs are correct, the R8 may have the best AGC of any current production receiver. I don't have to look at the R8 AGC line with a scope to know it doesn't have any significant audio on the AGC line; I can hear that it doesn't just by hearing the excellent audio quality of received signals. And my ears tell me that the R8 AGC attack and release times are probably well-defined because I hear no symptoms of ill-defined attack and release times. If the R8 AGC has any overshoot, it is well hidden because I don't hear any of the obvious symptoms of overshoot, such as pops or clicks on initial syllables of SSB transmissions. The published R8 release times of 300 mS FAST and 2 Sec SLOW are ideal choices. A 300 mS release time is fast enough so that the receiver does not hang on noise spikes or when you tune past strong signals, but slow enough to eliminate most audio from the AGC line. And a 2 Sec release time is ideal for listening to MW graveyards, strongly fading SW signals, and SSB and CW signals. In addition, the R8 AGC can be turned off, which is desirable in some listening situations. Apparently Drake did everything right with the R8 AGC. The Japanese receiver designers have some lessons to learn from Drake in this regard. For example, the NRD-525 AGC can be fixed by disabling the AM mode AGC path and using the SSB/CW mode AGC path in all modes as I described in my recent article, "NRD-525 AGC Mod: Remove R102 And Jump Pins 3&4 And Jump Pins 8&9 Of IC7." And if JRC has done what I think they have done with the NRD-535, the the 535 AGC problems are unfixable unless they go back to the 525 AGC circuits. I almost had a heart attack prying off the surface mount resistor and fiddling with tiny jumpers while doing my 525 AGC mod on Russ' 525. Save yourself a lot of trouble and buy an R8.

I came within a gnat's whisker of returning my second R8 to Drake for a refund because of numerous spurs which manifest themselves as quite obvious hets on weak signals (S-1 to S-3) and as not so obvious hets or noise on moderately stronger (S-3 to S-7) signals. The Drake technician I spoke to about these spurs seemed to be unaware of them, or perhaps he was under instructions not to discuss them. So at first I thought my second R8 was defective with regard to spurs. Then I hit upon the idea of contacting other R8 owners to ask them if they had similar spurs in their R8's. Sure enough, they did. There are two types of spurs in R8's: type A you can hear easily by tuning around in CW mode using the 6.0 BW with no antenna connected to the R8, and type B you can hear easily by connecting a signal generator to the R8 with the signal generator output set to about 2 microvolts, and tuning slowly across the signal generator signal in AM mode using the 6.0 BW. To put these spurs into perspective, I asked Russ to check his NRD-525 for spurs. His 525 has about as many type A spurs as an R8, so the 525 and R8 are about equal with regard to type A spurs. His 525 apparently has no type B spurs. The R8 type B spurs seem to be much more numerous than the type A spurs, and seem to occur at any frequency where there is an external signal source. The R8 type B spurs cannot be detected with no antenna or external signal source connected to the R8. This is very curious indeed. It is as if an external signal finds two paths through the R8, and at certain display frequencies the single signal following two paths mixes with itself to produce a spur. The R8 type B spurs sometimes sound like ordinary hets, sometimes like warbling hets, and sometimes like modulated noise (put-putting at maybe 10 to 50 Hz). Most of the R8 type B spurs have another curious feature: a small change in the display frequency usually causes a large change in the spur tone. Normally when you tune across a spur, the tone of the spur (in Hertz) changes by exactly the same amount as the change (in Hertz) of the display frequency. But with these type B spurs, the spur tone may change from 5000 Hz down to zero beat and back up to 5000 Hz, i.e., a total of 10,000 Hz, for a change of only 100 Hz of the display frequency. This curious aspect of R8 type B spurs is important to eliminating them when you encounter them in an actual listening situation: merely retune your R8 a few tens of Hz and the type B spur can be raised in frequency to beyond audibility. The type A spurs can be eliminated with the notch filter, provided the type A spur is not within 500 Hz of the carrier of the desired signal. Unfortunately, the type A spurs drift around from hour to hour, and from day to day, and their frequencies seem to vary wildly from one R8 to another. Russ has suggested we call type A spurs Gypsy spurs because they are constantly on the move and can turn up anywhere. Once again I'm gonna fuss at Drake about the R8 notch filter: if they're gonna give us Gypsy spurs, then they should give us a notch filter that can get rid of all the Gypsy spurs, not just those with tones above 500 Hz.

How serious are the R8 spurs? Well, they obviously didn't stop me from buying an R8 once I surmised everyone else had similar spurs in their R8's and found out that the NRD-525 has about as many type A spurs. There are two kinds of type A spurs in the R8, type A1 which are spaced about 200 Khz apart, and type A2 which are spaced about 400 Khz apart. That gives a grand total of 10 possibly audible type A spurs in the MW band. For most MW listening situations you are going to be listening to signals stronger than S-7, so you won't hear the type A spurs. For comparison, the NRD-525 type A spurs seem to occur mostly at exact multiples of 100 Khz, although there are three "random" type A spurs in the MW band on Russ' 525. It is similarly unlikely that you will hear type A spurs in the MW band on an NRD-525 during actual listening situations. And as I said above, you can usually eliminate the R8 type B spurs by changing the R8 tuning slightly. In summary, the R8 spurs are not serious, and the R8 type A spurs are no more numerous than spurs for other top of the line receivers. It would be nice if Drake would figure out how to get rid of the type B spurs. Until they do, a DXer will have to remember to "jiggle" the R8 tuning to see if some of the "mush" on a weak signal is due to a type B spur.

I did not discuss R8 spurs to deter you from buying an R8. As I said at the beginning of this article, in my opinion there really is no other choice for a MW DXer who wants to use a nearby loop antenna because of the objectionable display noise and other RFI in other receivers. For years I have been looking for a solid state receiver with MW band performance equal to or better than my HQ-180A, R-390A, and modified 51J-4, and I haven't found one yet. The R8 is close, but not quite there. On the other hand, I've concluded that I'll probably be in my grave before a solid state receiver appears which equals the weak signal performance of my venerable hollow state receivers. So it boiled down to the R8 or no solid state receiver for me. I took the R8, and I don't regret it. Try it, you'll like it.

Here are a few final things I intended to mention, but forgot. The squelch on the R8 is about as useful as mud flaps on a bicycle, i.e., useless. The SCAN VFO A TO VFO B feature doesn't work because the R8 doesn't stop scanning unless you fiddle with the squelch control while scanning, and it only stops at the strongest signals anyway, not at all signals above the squelch threshold. I guess Drake put a squelch control on the R8 because Japanese receivers have a squelch control. That is one feature Drake shouldn't have copied from the Japanese. What Drake should do is permit the user to scan between two frequencies in user selected frequency steps (of any size) and user selected pause times (of any size), WITHOUT SQUELCH. That might actually be a useful feature. I haven't tried any of the memory scanning features. They may be equally disappointing. I surely hope not.

Every R8 owner I have talked with gives the R8 AM synchronous detector a 5 on a scale of 1 to 10. Clearly Drake needs to go back to the drawing board on the AMSD. It is sometimes slow to lock, it sometimes gets "confused" when there are multiple signals on or near the same frequency, it sometimes loses lock during fades (as evidenced by growling or distortion), and it doesn't always improve audio quality in FAST AGC as it should. Fortunately, the R8 has such a good AGC that the AMSD isn't all that necessary. The R8 SLOW AGC is truly outstanding at clearing up MW graveyard jumbles and improving the audio quality of strongly fading SW signals. Like any fast attack, 2 Sec release AGC, the SLOW R8 AGC is occasionally hung briefly on noise spikes. That is, of course, normal for any 2 Sec release AGC. I am not suggesting Drake change the R8 SLOW AGC release time because 2 Sec is right for a slow release.

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