

December 10, 1994 - Volume 32 - Number 13 - Edition 1039 - ISSN 0899 - 9732

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NEW MEMBER: Richard Boehme - Allentown PA. **RENEWALS:** Allison E Smith Jr - Glenmont NY, Mike Brooker - Toronto Canada, Keith Short - Columbus OH, Stephen Jarves - Long Beach CA, Rod O'Connor - Kodiak AK, John Oldfield Surrey BC Canada, Kenneth Nawalkowski - Sandy Lake Canada, Rory Strang - Burbank CA. Welcome Richard and thank you all very much, you make it go.....

MEMBERSHIP RENEWAL: If your address label reads 32-13, 32-14, 32-15 it is time to renew. You will notice a note from me on the front of your DXM or on the back of your envelope if you are a Canadian or overseas member.....

IRCA REPRINTS: A list of reprints available from: Steve Ratzlaff 1885 East Bayshore Road #90, East Palo Alto CA 94303. Drop him a note.....

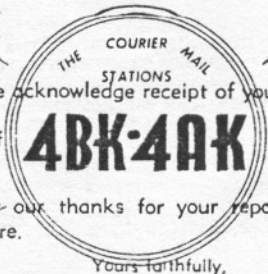
IRCA BOOKSTORE: A flyer from the Bookstore manager Phil Bytheway 9705 NW, Seattle WA 98117. Phil has some stocking stuffers, tell the wife or a friend....

Station 4BK MUSIC Date 20. 2 80
 Power 5kw
 Frequency 296khz
 Location BRISBANE

Dear Sir,
 We acknowledge receipt of your
 correct logging of **4BK-4AK** transmissions
 Dated 20.2.80

Please accept our thanks for your report and our good wishes for the future.

Yours faithfully,
 THE COURIER-MAIL STATIONS
 BRISBANE



DX TEST BULLETIN

• DX TESTS ARRANGED BY IRCA AND NRC •

SATURDAY, DECEMBER 10, 1994 - WGJY-1590, ATMORE, AL WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:30 AM EST. THE TEST WILL INCLUDE MORSE CODE ID'S. FROM 1:00 - 1:15 AM, POWER WILL BE 5 KW, AND FROM 1:15 - 1:30 AM, POWER WILL BE 1 KW. ANTENNA PATTERN FOR THE ENTIRE TEST WILL BE NONDIRECTIONAL. RECEPTION REPORTS MAY BE SENT TO: MR. KEITH HAMMOND, P.O. BOX 1332, BAY MINETTE, AL 36507. (ARRANGED BY THE NRC CPC)

SATURDAY, DECEMBER 10, 1994 - WERA-1590, 120 WEST 7TH STREET, PLAINFIELD, NJ 07060 WILL CONDUCT A DX TEST AT A POWER OF 500 WATTS BETWEEN 4:30 & 5:00 AM EST. THE TEST WILL BEGIN AFTER CNN NEWS, AND WILL INCLUDE "A SONG THAT PEAKED IN 1973", AND POSSIBLY TEST TONES & MORSE CODE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. JESSE CARROLL. (ARRANGED BY THE NRC CPC)

SATURDAY, DECEMBER 10, 1994 - WPPI-830, 7548 HILLSIDE DRIVE, DOUGLASVILLE, GA 30134 WILL CONDUCT A DX TEST AT A POWER OF 500 WATTS BETWEEN 5:00 & 6:00 AM EST. THE TEST WILL INCLUDE POLKAS, VOICE ID'S, TEST TONES & MORSE CODE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. BILL ALISAUSKAS. (ARRANGED BY DAVE SCHMIDT FOR THE NRC CPC)

SUNDAY, DECEMBER 11, 1994 - CKQR-760, 525 11TH AVENUE, CASTLEGAR, BC VIN 1J6, CANADA WILL CONDUCT A DX TEST BETWEEN 3:00 & 6:00 AM EST. THE TEST WILL INCLUDE OLDIES MUSIC, VOICE ID'S, AND MORSE CODE ID'S. POWER WILL BE 20 KW, USING A NON-DIRECTIONAL ANTENNA PATTERN. RECEPTION REPORTS MAY BE SENT TO: MR. KEVIN MCKINNON (VE7KEV) - CHIEF ENGINEER. NOTE: THIS TEST WILL BE SIMULCAST OVER CKGF-1340, AND THESE LOW POWER FM REPEATERS; CKGF-FM1 (93.3), CKGF-FM2 (96.7), CKQR-FM1 (103.5), & CKGF-FM3 (103.7). (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

SUNDAY, DECEMBER 11, 1994 - CKGF-1340, GRAND FORKS, BC CANADA WILL CONDUCT A DX TEST BETWEEN 3:00 & 6:00 AM EST. THE TEST WILL INCLUDE OLDIES MUSIC, VOICE ID'S, AND MORSE CODE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. KEVIN MCKINNON (VE7KEV) - CHIEF ENGINEER, c/o CKQR-AM, 525 11TH AVENUE, CASTLEGAR, BC VIN 1J6, CANADA. NOTE: THIS TEST WILL BE SIMULCAST OVER CKQR-760, AND THESE LOW POWER FM REPEATERS; CKGF-FM1 (93.3), CKGF-FM2 (96.7), CKQR-FM1 (103.5), & CKGF-FM3 (103.7). (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, DECEMBER 12, 1994 - WEAQ-790, P.O. BOX 1, EAU CLAIRE, WI 54702 WILL CONDUCT A DX TEST BETWEEN 2:30 & 3:00 AM EST. THE TEST WILL INCLUDE INSTRUMENTAL MUSIC, VOICE ID'S, TEST TONES, AND MORSE CODE ID'S. POWER WILL BE 5 KW, AND THE LAST 15 MINUTES OF THE TEST WILL BE RUN USING A NON-DIRECTIONAL ANTENNA PATTERN. RECEPTION REPORTS MAY BE SENT TO: MR. JIM CASEY - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, DECEMBER 12, 1994 - WSPA-950, 224 EAST MAIN STREET, SPARTANBURG, SC 29304 WILL CONDUCT A DX TEST BETWEEN 3:30 & 4:00 AM EST. THE TEST WILL INCLUDE MORSE CODE ID'S & POSSIBLY MARCH MUSIC. RECEPTION REPORTS MAY BE SENT TO: MR. CRAIG TURNER - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, DECEMBER 19, 1994 - WIBW-580, 5600 SW 6TH STREET, TOPEKA, KS 66606 WILL CONDUCT A DX TEST BETWEEN 2:00 & 2:30 AM EST. THE TEST WILL INCLUDE MORSE CODE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. ED O'DONNELL - OPERATIONS MANAGER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

SATURDAY, DECEMBER 24, 1994 - HCJB-690, CASILLA 17-17-691, QUITO, PICHINCHA, ECUADOR WILL CONDUCT A DX TEST BETWEEN 12:15 & 12:45 AM EST. THE TEST WILL INCLUDE MORSE CODE ID'S, SPANISH & ENGLISH ANNOUNCEMENTS & TALK, & "VARIOUS TYPES OF DISTINCT MUSIC". POWER WILL BE 50 KW. A SPECIAL QSL CARD WILL BE ISSUED FOR CORRECT REPORTS SENT TO: MR. RICH MCVICAR, ATTN: 690 DX TEST, c/o DX PARTYLINE PROGRAM. NOTE: RETURN POSTAGE IN THE FORM OF 2 OR 3 MINT CANADIAN, U.S., OR ECUADORIAN STAMPS, OR 2 IRC'S IS REQUIRED FOR AN AIRMAIL REPLY. ACCORDING TO MR. MCVICAR, "WE WILL BE REAL FUSSY ABOUT THE DETAILS WE RECEIVE IN THE RECEPTION REPORTS FOR THIS TEST. IF YOU HEAR MORSE CODE, WE WANT TO KNOW EXACTLY WHAT THE CODE WORDS WERE. IF YOU DON'T KNOW MORSE CODE, TAPE IT..." AND, "...SEND US A TAPE". MR. MCVICAR ALSO POINTS OUT THAT CASSETTE TAPES, REGRETFULLY, CANNOT BE RETURNED. (ARRANGED BY MR. RICH MCVICAR FOR THE BENEFIT OF ALL DXERS)

MONDAY, DECEMBER 26, 1994 - WNQM-1300, 1300 WWCW AVENUE, NASHVILLE, TN 37218 WILL CONDUCT A DX TEST BETWEEN 4:00 & 4:30 AM EST. THE TEST WILL INCLUDE CHRISTIAN & GOSPEL MUSIC, VOICE ID'S, AND MORSE CODE ID'S. POWER WILL BE 10 KW USING A NONDIRECTIONAL ANTENNA PATTERN. RECEPTION REPORTS MAY BE SENT TO: MR. ADAM W. LOCK, SR. - OPERATIONS MANAGER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, JANUARY 2, 1995 - WWSW-970, 1 ALLEGHENY SQUARE, PITTSBURGH, PA 15212 WILL CONDUCT A DX TEST BETWEEN 12:00 & 12:30 AM EST. THE TEST WILL INCLUDE TEST TONES, VOICE ID'S & MORSE CODE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. PHIL LENZ - ASSISTANT ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

SATURDAY, JANUARY 7, 1995 - KIUP-930, P.O. DRAWER P, DURANGO, CO 81302 WILL CONDUCT A DX TEST BETWEEN 7:15 & 7:45 AM EST. THE TEST WILL INCLUDE TEST TONES, VOICE ID'S & MORSE CODE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. JOHN MORTON - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

BROADCASTING INFORMATION



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

DEADLINES: 2nd & 4th Saturdays.

Compiled: 11/26/94

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

CONSTRUCTION PERMIT ACTIVITY:

FL. Indian Rock Beach WXYB-1520 dec. to 600-D, ND
MI. Zeeland WISZ-640 increases to 2200/230 ND
OR. Ashland KDOV-1300 increases to 20000-D, DA-N

FACILITY & PARAMETER GRANTS:

MO. Maryville KNIM-1580 decreases to 710-D, ND
TX. Breckenridge KBIL-1430 increases to 97-N (I show this as a decrease, ed.)

CALL LETTER CHANGES:

CA. Sacramento KSAC-1240 becomes KSQR
GA. Alma WULF-1400 becomes WAJQ
NM. Albuquerque KAMX-1520 becomes KDZZ
OR. Lakeview KRIT-1230 becomes KQIK (return to former calls) (they were never these calls per phone call!-ed)
SC. Charleston WOKE-1340 becomes WQSC
TN. Huntingdon WJFJ-1530 requests WDAP
TX. San Antonio KHBL-1250 becomes KZEP

FORMAT CHANGES:

CA. Crescent City KPOD-1240 was soft AC, now country//FM
Los Angeles KWKW-1330 was SS mx/talk, now SS talk (some mx 12-2 PM, weekends)
Monterey KIDD-630 was silent, to be WW1 stds. (approx. Dec. 1-ed)
CO. Lamar KLMR-920 was country, adds JSN country
GA. Thomasville WSTT-730 was talk, adds Sports By-line
Warner Robins WRCC-1600 was country//FM, now JSN Team sports
HI. Kealahou KKON-790 was alternative, ethnic, now Hawaiian, talk, mx
Kihel KAOK-1110 was nx, now nx & talk
IL. Chicago WJJD-1160 was talk, stds., now talk (local mornings, WW1 programs all day)
Elmhurst WJGG-1530 was variety, to be talk (Jan.)
Quincy WTAD-930 was full service oldies, now talk
Zion WRGA-1500 was regional Mexican, now country
IN. Fort Wayne WLYV-1450 was silent, now MGS Contemp. Xtian
KY. Pineville WANO-1230 was country, rptd. silent
LA. Baton Rouge WIBR-1300 was nx, talk, now Prime Sports
MI. Alma WFYC-1280 was country//FM, adds stds., talk (sim. WCEN days, WFYV-FM nites)
East Lansing WVFN-730 was sports, now Prime Sports
Muskegon WFSN-1600 was sports, now Prime Sports

FORMAT CHANGES (CONT.):

MS. Jackson	WJDS-620	was country//FM, now Prime Sports
MO. Cape Girardeau	KAPE-1550	was nx, talk, adds Sports By-Line
St. Louis	WKBQ-1380	was CHR//FM, now talk (sim. Steve & D.C. from FM mornings)
Union	KLFW-1220	was nx, talk, adds Sports By-Line
NC. Durham	WTKI-1310	was silent, now religion
	WDUR-1490	was urban gold, adds SMN urban gold
Franklin	WPFJ-1480	was c. Xtian, adds MGS Contemp. Xtian
Rocky Mount	WRMT-1490	was talk, now Prime Sports
Winston-Salem	WMQX-1340	was silent, now gospel
OH. Uhrichsville	WBTC-1540	was oldies, adds SMN oldies
OK. Norman	KNOR-1400	was talk, sports, AC, now Prime Sports
PA. Carnegie	WPLW-1590	was religion, now K-Love Contemp. Xtian (operates as non-commercial)
Latrobe	WQTW-1570	was talk, now Prime Sports
SC. Charleston	WQSC-1340	was WOKE, stds., now JSN Team Sports
TX. Clarksville	KCAR-1550	was country, adds W11 country
WV. Point Pleasant	WBGS-1030	is new, talk & religion

Gary Jackson of Sacramento, CA. passes on the following tip:

CA. Sacramento KSQR-1240 is currently silent, should return sometime in January w/SS

Christmas season is fast approaching, and lots of Xmas presents, but winter conditions are now upon us, and DX is the essence! 73's.

DX WORLDWIDE EAST

EDITOR: Jim Hall, 3176 Cheltenham Ct., Gibsonia PA 15044-8435 usa

A short column this week with reports from William Wyllie and Thomas Reiser. Times are in UTC:

PAN - AMERICAN DX (Wyllie-MA) unless noted

- 535** TURKS & CAICOS ISLANDS 0200 11/21 fr w/rigs talk/ID's. (Reiser-IL) (Thomas, see last week for test info on T7C here. ed)
- 640 CUBA Guanabacoa 0515 11/25 strong w/SS mx, R. Progreso.
- 730 t MEXICO XEX 0520 11/14 soft SS mx, laid back style. no ment of ID but I'm sure it was them. (William, with no ID it will be listed as tentative. ed)
- 760 CUBA 0538 11/14 weak but steady, voice and "RR" code, "R. Reloj".
- COLOMBIA Barranquilla 0408 11/25 long speech w/several "RCN" ID's, u/WJR.
- 770 COLOMBIA Bogota 0409 11/25 same as 760 but stronger u/WABC.
- 780 VENEZUELA Coro 0525 11/14 much SS mx, "R. Coro" ID, weak u/WBBM.
- 840 t CUBA 0510 11/25 SS mx, ment of Cuba, no ID noted but suspect R. Progreso stn as it's the only one I seem to get. (Another that I must list as tentative, William - no ID, no telling who it was. ed)
- 940 MEXICO 0547 11/14 soft SS mx, many ment's Mexico, gd signal.
- 1000 COLOMBIA Cartagena HJAQ 0539 11/25 many "RCN" ID's, gd sig but fluttery/fadey, w/another weak SS stn u/.

CREDITS:

- (Wyllie-MA) WILLIAM WYLLIE 95 Peck St. Franklin, MA 02038-2217 (DX-390 w/internal ant.)
- (Reiser-IL) THOMAS REISER Box 5203, Chicago, IL 60680-5203 (Sony ICF2003)

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DX Worldwide - West

PAT MARTIN PO BOX 843 SEASIDE, OR 97138

Time: UTC

Phone (503) 861-3185

DEADLINE: MONDAYS

A good turnout this week with even a DXpedition report from Bruce Portzer at Greyland State Park, Washington. Conditions were quite good the morning on 11/13th! So away we go:

PAN-AMERICAN DX ROUNDUP

- 535 TURKS AND CAICOS, RVC-good w/mx 0412 11/13 in most of the night until around 1000 w/rel. pgms and mx (BP-WA*)
- 950 MEXICO, Tijuana-XEKAM-good o/KJR on NW wire w/full ID and Radio Formula slogan (BP-WA*)
- 1190 MEXICO, Guadalajara-XEWK-on top with two fine call IDs at 0359 11/12. Played three series of four beautiful chimes in descending pitch; ancd. power as 50KW. (LG-MT)
- 1700 BRAZIL, Carajas Beacon-CRJ weak in Morse code at 0338 11/10 and 11/11. Much stronger at 0350 11/19. May have boosted power in the past few months, now a semi-regular. Get this one now before the expanded-band domestics appear! (LG-MT) (Not hrd here as yet, but trying.PM)

TRANS-PACIFIC DX ROUNDUP

- 153 RUSSIA, Komsomolsk-very good signal with a little beacon QRM at 0815 11/26. Great RR pop tunes and woman/man ancrs. Many ment. of "Vostok", per WRTH 0800-0930 running R. station Vostok. (PM-OR)
- 171 RUSSIA, Yakutsk-fair in beacon QRM with light classical mx and woman ancr at 0825 11/26. (PM-OR)
- 180 RUSSIA, Petropavlovsk- good with RR pops at 0845 11/26. (PM-OR)
- 243 RUSSIA, Ussuriysk-fair //171 with Class. mx at 0829 on 11/26. Some beacon QRM. (PM-OR)
- 270 RUSSIA, Khabarovsk- // 243 at 0835 11/26. RR ancr (PM-OR)
- 279 RUSSIA, Yuzhno-Sakhalinsk-good, only second in signal w/153 KHZ // 243, Clas. mx at 0840 11/26 (PM-OR)
- 529 ALASKA, Level Island-strong w/wx for SE Alaska 0503 11/13 (BP-WA*)
- 531 JAPAN, Morioka-JOQG-fair w/woman in JJ 0931 11/13, there was a het from 530 TIS (BP-WA*)
- 540 JAPAN, Synchros here with JJ talk at 1345 11/25 (PM-OR)
- 549 RUSSIA, Tavrichanka/Magadan-good with het from 550 but man in RR was fairly strong at 0815 11/25. (PM-OR)
- 558 PHILIPPINES, Makati-DZXL-fair and on top w/"D-Z-X-L" ID at 1505 on 11/23. (PM-OR)
- 567 JAPAN, Sapporo-JOIK-fair //594 at 1555 11/13 (BP-WA*)
- 576 JAPAN, Kagoshima-JOHG good w/woman in JJ //594 (BP-WA*)
- 585 INDONESIA, Surabaya-RRi-here heard again with Interval signal mx at 1500 11/25. (DW-OR)
- 594 JAPAN, Tokyo- JOAK, good w/woman in JJ 11/13. Strongest NHK1 outlet all AM, making it a good // to check. Also noted at 1550 11/13-man in JJ strong. (BP-WA*) (Yes, JOAK has been one of the strongest TPs this year.PM)
- 603 SOUTH KOREA, good with man in KK in passing at 1433 11/26 (PM-OR)
- 612 AUSTRALIA, Brisbane-4QR-fair w/MOR mx and ABC Nx noted at 0900 on 11/26. (PM-OR)
- 620 ALASKA, Homer-KGTL-good w/level ID o/KINK 0800 11/13 (BP-WA*)
- 621 RUSSIA, Khabarovsk-fair with Clas. mx at 0825, RR man talking, strong het from KIPA/KINK on 11/25. (PM-OR)
- 630 AUSTRALIA, Townsville-4QN-fair above domestics at 1440 with DU ancr giving info on Queensland 11/26 (PM-OR)

- 639 AUSTRALIA, Coffs Harbour-2CS-fair w/pop mx and spots, "2CS" ment in promo at 0940 11/26. (PM-OR)
- 648 RUSSIA, Ussuriysk-fair talk 1628 11/13 (BP-WA*)
- 657 NORTH KOREA, KK talk fair at 1506 11/13 (BP-WA*)
- tNORTH KOREA, Pyongyang-11/21 at 1510, fair to good with woman giving speech. Much repetition of words. Sounded political. Also hrd at 1529 with Inst. mx Good signal. (JW-OR)
- 666 JAPAN, Osaka-JOBK at 1550 11/13m still in w/piano mx and man in JJ. (BP-WA*)
- 675 NEW ZEALAND, Christchurch-3YA, good w/MOR mx //756-1YA in some KNBR splash at 0920 on 11/26. (PM-OR)
- 693 JAPAN, Tokyo-JOAB w/mx box just after s/off at 1502 11/18. Stronger with NHK pips, call ID (I caught the J-O clearly) and anthem at 1500 11/20. (LG-MT)
- 702 JAPAN, Synchros-here w/JJ talk at 0822 11/26. (PM-OR)
- 720 RUSSIA, Yuzhno-Sakhalinsk-FS with Radio Moscow at 1423 11/26, man in EE. (PM-OR)
- 738 SOUTH KOREA, Taegu-HLKG time pips and KK talk good w/KCBS off 1200 on 11/13. (BP-WA*)
- TAHITI, Papeete-FRO-bits of FF talk and mx hetting KCBS at 0519 11/13. (BP-WA*)
- 747 JAPAN, Sapporo-JOIB-already fair audio 0706 11/13-good the rest of the night //774,828, et al (BP-WA*)
- 756 NEW ZEALAND, Auckland-1YA-fair //675 with MOR mx 0921 11/26 (PM)
- 774 JAPAN, Akita-JOUB-male talk already in 0624 11/13 (BP-WA*)
- +Also noted 11/22 1505 Sign off with piano tyle mx-Open carrier for almost one minute. No readable signal on this frequency once the carrier went off. (JW-OR)
- +Also hrd weak w/NHK pips and National Anthem at s/off 1500 on 11/18. Stronger with call ID by woman at s/off 1500 11/22 (LG-MT)
- 780 ALASKA, Nome-KNOM possibly the one w/very long detailed weather report, cold temps, snow, etc. u/KKOH at 0809 11/13. Later has 2 stations mixing u/KKOH, prob. WBBM/KNOM. (BP-WA*)
- 783 RUSSIA, Tavrlichanka-already producing a het 0704 11/13, good w/RR talk the rest of the night. (BP-WA*)
- tRUSSIA, Tavrlichanka-11/21 1442-fair to good w/man speaking in RR. Also at 1501 w/Classical mx and at 1513 w/woman in RR. (JW-OR) (This one has been very strong this season, probably because of a power boost to 1000 KW.PM)
- 792 SOUTH KOREA, poor w/790 splash KK talk at 1440 11/23. (PM-OR)
- 810 FIJI, Labasa-Radio Fiji 2-fair u/KGO with Hindi mx at 0915 on 11/26. (PM-OR)
- 820 ALASKA, Fairbanks-KCBF-ID and oldies u/KGNW at 1425 11/13. (BP-WA*)
- 828 JAPAN, Osaka-JOBB strong most of the AM after fade in around 0700 11/13. (BP-WA*)
- PHILIPPINES, Cagayan De Oro-DXCC-good w/man in Filipino after JOBB s/off after 1500 on 11/23. (PM-OR)
- UNID, pop mx in UNID lang. after JJ s/off 1510 11/13. Possibly DXCC. (BP-WA*)
- 837 JAPAN, Niigata-JOQK-good even with KSWB on(840 KHZ), with man in JJ at 1437 11/25 (PM-OR)
- 846 KIRIBATI, Tarawa-0922 11/13. Good w/Island mx (BP-WA*)
- 855 PHILIPPINES, 1430 11/13-UNID eletalk pgm w/2 men and woman in studio, nonstop yakking w/no ID until I gave up at 1515, loud 500Hz+/- het from someone else. Several Filipinos listed. (BP-WA*)
- PHILIPPINES, Filipino talk here at 1515 on 11/23, no ID, also noted a slight het, prob. other Filipino off freq. (PM-OR)
- tNORTH KOREA, Sangwon-11/21at 1503 Fair w/martial mx, followed by woman speaking Asian lang. (JW-OR)
- 864 SOUTH KOREA, good with woman ancr in KK and KK pop tunes at 1334 on 11/24. (PM-OR)
- 873 RUSSIA, already in with krimlin bells 0659 11/13. (BP-WA*)
- JAPAN, Kumamoto-JOGB mx box IS good after s/off at 1502 on 11/13. (BP-WA*)
- 875 UNID, carrier here hetting 873 1033 11/13. (BP-WA*)
- 882 JAPAN, Shizuoka-JOPK-fair in jumble at 0923 11/25. (PM-OR)
- 891 JAPAN, Sendai-JOHK 0845 11/13 good in domestic splat w/man in JJ (BP-WA*)

- 900 PHILIPPINES, two Filipinos here, one was KNUI with morning Filipino pgm, the other prob. Philippines, but no ID hrd, just Tagalog talk at 1535 on 11/18. DXIP? (PM-OR)
- 918 PHILIPPINES, Filipino talk at 1540 11/18, lots on 920 splat, no ID noted. (PM-OR)
- 945 JAPAN, Orch. mx //594 on 11/13. (BP-WA*)
- 954 JAPAN, Tokyo-JOKR-good w/ JJ talk and JJ pops 1649 11/13. (BP-WA*)
- 963 JAPAN, teletalk //945//891 at 1515 on 11/13 (BP-WA*)
- 972 SOUTH KOREA, Good 0918 11/13 and many rechecks (BP-WA*)
- 981 P.R. CHINA, CNR1-CC talk //4460 at 1028 11/13 thru CKNW splat (BP-WA*)
- 990 UNID, female operatic, then man and woman in UNID language (didn't sound EE/JJ/CC) 0911 11/13. (BP-WA*)
- 999 JAPAN, NHK1 JJ talk //594 in heavy KOMO splat, three 1 KW stations listed (BP-WA) (I logged and QSL'd JOTQ-1kw a few yrs back. PM)
- 1008 JAPAN, Osaka-JONR-JJ talk o/2 UNIDS (one prob. RR) 0843 on 11/13 (BP-WA*)
- 1017 TONGA, good with woman in Tongan at 0834 11/25 (PM-OR)
- 1026 PHILIPPINES, Quezon City-DZAM-fair w/call ID during Tagalog talk by man 1516 11/13 (BP-WA*)
- 1035 P.R. CHINA, CC talk here at 1406 11/24 (PM-OR)
- 1044 SOUTH KOREA, Samch'ok HLKI KK talk fair 1519 11/13 (BP-WA*)
- 1053 SOUTH KOREA, jammer strong 1019 11/13 (BP-WA*)
- 1098 JAPAN, UNID man and woman in JJ 0908 11/13. several stations listed. (BP-WA*)
- 1107 JAPAN, JJ talk 1521 11/13 (BP-WA*)
- 1134 JAPAN, Tokyo-JOQR-good o/South Korea w/Pop tunes and man in JJ at 1509 11/26. (PM-OR)
UNID, 11/22 1535-fair with man speaking UNID language over JOQR Also hrd 1548 w/Pop mx, faded by 1600 leaving JOQR. (JW-OR) (This might be the South Korean. The language is KK, but at first when you hear it it sounds different. It fooled me the first time I hrd it a few yrs back. The KK is much softer, and it sounds a little strange. PM)
- 1143 TAIWAN, Penghu-BEL2- woman in CC fair 1715 11/13 (BP-WA*)
- 1147.5 PHILIPPINES, Poro-VOA strong w/end of VOA Nx, then Concert Hall pgm at 1406 11/13 (BP-WA*)
- 1152 FIJI, Rakiraki-ex 1323-good with woman in Fijian, many ments of "Radio Fiji" in 1150 splat at 1124 on 11/26. Best I have hrd this freq. (PM-OR)
- 1161 TAIWAN or P.R. CHINA, echo talk in CC at 1534 on 11/26 (PM-OR)
- 1179 JAPAN, Osaka-JOOR-0837 11/13 good easily separable from KOFI w/ ads and woman in JJ (BP-WA*)
- 1215 PHILIPPINES, Cebu City-DYRF-fair to poor w/ads in EE and in Tagalog 1247 11/13 into talk by woman in Tagalog thru brutal KBSG-1210 slop until 1412 when they had call ID by man and more ads. (BP-WA*)
P.R. CHINA, time pips u/DYRF at 1400 11/13 (BP-WA*)
- 1224 JAPAN, Kanazawa-JOJK-JJ talk weak to fair in splat 0050(?PM) 11/13. (BP-WA*)
- 1278 JAPAN, Fukuoka-JOFR-fair w/YL in JJ 0938 11/13 (BP-WA*)
- 1287 JAPAN, Sapporo-JOHR-good w/string of ads and 2 DJs chatting in JJ 0831 11/13 (BP-WA*)
- 1323 UNID, what sounded like Russian talk 1208 11/13, soon buried in slop, I assume this is the same one PM reported in recent DX Monitors (BP-WA*)
- 1332 JAPAN, Nagoya-JOSF making first appearance of the morning w/ man in JJ at 1710 11/13. Still there w/JJ pops at 1840.(BP-WA*)
- 1395 PHILIPPINES, 1524-1530 11/13-European vocal mx w/long discussions by fast talking lady DJ in Tagalog. DWMG? (BP-WA*) (This one was also hrd here 11/3, but no ID either.PM)
- 1413 JAPAN, Fukuoka-JOIF-0829 11/13 fair w/CFUN splat w/Drama (BP-WA*)
- 1548 AUSTRALIA, Emerald-4QD 10:11 on 11/13 vocal mx, fair, also hrd w/mx and Aussie talk at several rechecks. (BP-WA*)
- 1557 MARSHALL ISLANDS, UNID location-assume was the one with Abba and other 70s pop tunes at 1220 11/13. Still in with strong carrier weak rr mx at 1635 (BP-WA*)

- 1566 SOUTH KOREA, Cheju-HLAZ-fair in CC 1047 11/13 good in JJ at 1113 11/13 also, roaring in w/Russian rel. pgm at 1633. Comes in best during RR pgm due to apparent antenna change, earlier programs in CC/JJ are much weaker (BP-WA*)
- 1575 THAILAND, fair w/talk in sing songy language 1139 on 11/13 (BP-WA*)
- 1584 UNID, rumble of carriers and audio w/approx. 400 HZ het at 1045 11/13 (BP-WA*)
- 1602 RUSSIA, het at 0555 11/13-producing audio, male talk in RR by 0610 (BP-WA*)
- JAPAN, Synchros-NHK outlets fair 1044 11/13 (BP-WA*)
- JAPAN, end of JJ talk (supposedly wx) 1320 11/13, then anmt w/ments of NHK. WRTH says this is the time for a local ID, will need to reply tape to see if I can hear calls. (BP-WA*)
- 1613 NORTH KOREA, Station for Young Soldiers on Sentry Duty- fair w/male vocal 1325 11/13. (BP-WA*)
- 1670 UNID, YL in JJ 1043 11/13, using SSB full carrier modulation abruptly went off, then weak signal came on. Similar thing noted during later rechecks. I believe these are marine wx stations, does anyone have a list of them. (BP-WA*) (I don't know of a list. I wonder if the JJ DX clubs might have one. PM)

here are a couple I missed.

- 747 UNID, 1328 on 11/19-a couple speaking in EE then faded. (GJ-CA)
- 828 tJAPAN, Osaka-JOBB-1500 on 11/19 chimes on the hour after mx, didn't hear any pips (NHK?) IDEAS? (GJ-CA) (The chimes after the NA prob. was JOBB. PM)

THANKS TO THESE REPORTERS

- LG-MT LARRY GODWIN-2390 CLYDES DALE LANE-MISSOULA MT 59801
Hammarlund HQ-150, Sanserino air-core box loop
- GJ-CA GARY JACKSON-7735 CENTER PARK WAY-SACRAMENTO CA 95823-4148
Kenwood R-5000, KIWA Loop
- BP-WA BRUCE PORTZER-6546 19TH AVENUE,N.E.-SEATTLE, WA 98115
DXing a Greyland State Park, WA with Yaesu PRG-7, 1000' W Beverage, 400' NW wire, 800' SW wire, 80 meter dipole.
- DW-OR DAVE WILLIAMS-615 HIGHWAY 101-ASTORIA, OR 97103
ICOM 765 TX-KIWA Loop
- JW-OR JACK WOODS-POST OFFICE BOX 1003-WALDFPORT OR 97394
ICF-2010, Ameco Preamp,ALN-1 Outdoor loop
- PM-OR YOUR EDITOR
Drake R8, 2000' NNW Beverage, 1500' East Beverage, Term. 200' SW wire, Ground system.

Rockies :00

KKOB 770am
KOA 850 am
KRYN 880am "Road Gang"
KSL 1160am "Road Gang"
KVOO 1170am/98.5 FM

Northeast :21

WLW 700am "Truckin' Bozo"
WABC 770am
WGY 810am
WLAC 1510am "Road Gang"
WTKB 1520am "Road Gang"

Southeast :30

WGIO 540am
WIOD 610am
WLW 700am "Truckin' Bozo"
WVL 870am "Road Gang"
WLAC 1510am "Road Gang"

Great Lakes :40

WLW 700am "Truckin' Bozo"
WJR 760am
WHAS 840am
WWWE 1100am
WOWO 1190am
WLAC 1510am "Road Gang"
KXEL 1540am "Road Gang"

Northwest :08

KXOH 780am
KOA 850am
KFRE 940am
KPNW 1120am
KSL 1160am "Road Gang"
KGA 1510am

Central :25

WHAX 570am
WOW 590am/94.1fm
WDAF 610am
WLW 700am "Truckin' Bozo"
KOA 850am
WVL 870am "Road Gang"
KRYN 880am "Road Gang"
WHO 1040am
KXEL 1540am "Road Gang"
KLQL 101.1fm

Southwest :35

KTNW 660am
KKOH 780am
KKOB 770am
KRYN 880am "Road Gang"
KFRE 940am
KSL 1160am "Road Gang"
KFRG 95.1fm

VIA STEPHENS

South :16

KGNC 710am
WVL 870am "Road Gang"
KWKH 1130am/94.5 fm
KVOO 1170am/98.5 fm
WOAI 1200am
WLAC 1510am "Road Gang"



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WDXR DEADLINES: Every Monday. Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

- (FA) Frank Aden-4096 Marcia Place-Boise, ID 83704
Modified FRG-7, modified Radio Shack TRF, Sony SRF-42 AM stereo Walkman,
45' N-S longwire, 180' L-longwire, 4' box loop
- (LG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59801
Hammarlund HQ-150, Sanserino air-core box loop & KIWA loop
- (GJ) Gary Jackson-7735 Center Parkway-Sacramento, CA 95823
FRG 8800, KIWA loop
- (PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138-0843
Drake R8, 2000' NNW Beverage, 1500' E Beverage, terminated 200' SW wire
- (MS) Mike Sanburn-P.O. Box 1256-Bellflower, CA 90707
GE Superadio II, Collins R-390
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio II, GE long-range portable, SM-2

OF SPECIAL INTEREST

- 1310 KMYX CA, Taft 11/21 0912 good in KDIA null, no trace of Barstow. ID as "K-Mix, KMYX," ad for Bakersfield Shelf & Storage, then faded out. Called station to confirm. Talked to owner, has been off the air since February 1994, ex-silent. (RW-CA)
- 560 KVOK AK, Kodiak 11/22 0959:55 fair above jumble with ID into net news "KVOK Kodiak." (PM-OR)
- CHTK BC, Prince Rupert 11/25 0020 poor under KSFO with pop music, spot for shop in Prince Rupert. (PM-OR)
- 580 KRSA AK, Petersburg 11/22 0959:30 good on top with spot for insurance company, ID "KRSA Petersburg." (PM-OR)
- 590 KHAR AK, Anchorage 11/22 1018 fair mixing with KUGN, etc, with "Watching Scotty Grow" followed by news update on Eagle River, senators in Alaska. (PM-OR)
- 620 KGTL AK, Homer 11/22 1025 "Storm Warning," KGTL ID. ((PM-OR)
- 690 CBU BC, Vancouver 11/19 0800 strong with CBC news. (GJ-CA)
- 700 CKRD AB, Red Deer 11/19 0900 music & weather. (GJ-CA)
- 740 *KCBS* CA, San Francisco 11/20 had open carrier at 0756, then s/on 0800. Same situation as 10/19, so may have regular Sunday morning silent period. (LG-MT)
- 750 KFQD AK, Anchorage 11/22 1008 fair under KXL with oldies, "AM stereo 750, KFQD," time check. (PM-OR)
- 890 KBBI AK, Homer 11/22 1015 good with NPR news report. (PM-OR)
- 990 KIKI HI, Honolulu 11/20 0522 fair with ID "Hawaii's good time oldies station, KIKI." (PM-OR)
- 1050 CJNB SK, North Battleford 11/25 0100 ID into news as "CJNB & CJNS." Haven't heard this in years. (PM-OR)
- 1260 KPOW WY, Powell 11/15 0100 heard ID in mess with mention of serving Bighorn area, into ABC news, fair signal. (FA-ID)
- 1410 KCOL CO, Fort Collins 11/19 0210 "All news, KCOL" ID. CFUN QRM. (PM-OR)

- KWYO WY, Sheridan 11/20 1645 fair over/under with C&W music, "KWYO" ID. (PM-OR)
- 1420 CJVR SK, Melfort 11/25 0245 fair-good mixing with KUJ, with C&W music, ID. (PM-OR)
- 1450 KNOT AZ, Prescott 11/20 0159 rising above GY noise with Knot Weather and country music. (MS-CA)
- 1490 KMET CA, Banning 11/19 1859 noted back from their silence with ID "The all new 1490 KMET the Superhighway Information Station," spots & weather. (MS-CA)
- 1590 ?WVNA? AL, Tusculumbia 11/24 2157 possible ID "1590 WVNA," format sounded newstalk, but lots of QRM from KCNN/KPOZ. (PM-OR)
- KCNN MN, E. Grand Forks 11/19 0159 fair with weather, high of 37. (PM-OR)
- 1600 KXEW AZ, Tucson 11/13 0505 caught clear ID in Spanish mixing with others. (MS-CA)
- KGST CA, Fresno 11/13 0504 poking through at good level with ID in English, Spanish music. (MS-CA)
- KTAP CA, Santa Maria 11/13 0500 FM simulcast? Logged this Spanish station with top of hour ID "KIDI Santa Maria-San Luis Obispo-Lompoc-(4th city?)." Heard same ID again at 0600. Directory assistance lists their phone number as 805-928-4334. Not heard here as former KZON. Local KMNY SP. On 11/20 the top of the hour ID was KTAP... (MS-CA)
- KCRG IA, Cedar Rapids 11/19 0155 fair on top with ID "News when you want it, on KCRG 1600" into news format. (PM-OR)
+11/17 2248-2255 with news format. ID'd as "KCRG News Radio" at 2254.
Thanks to Pat Martin for tip. (LG-MT)
- KATZ MO, St. Louis 11/20 0330 very good with Solid Gold Soul ID's, while trying to hear KOHI test (50 miles away)! (PM-OR)
- ?WGIV? NC, Charlotte 11/23 0240 station faded up out of mess, call letters sounded like "WBAV," spot for Thanksgiving celebration in "Pineville," urban pops. Lost under KATZ. Pineville ia a suburb of Charlotte. 1600, what a frequency! (PM-OR)
- 1610 TIS CA, San Diego Balboa Park TIS 11/25 1450 just caught ID and faded. Already verified so didn't stay with it. Very weak. (GJ-CA)
- WNSK966 CA, CalTrans Highway Advisory 11/26 0953 giving conditions over the Grapevine and how this was the biggest day of the year for travel northern to southern Calif. on I-5. Because of road construction asked people to take alternate routes on Nov. 24 & Nov. 27 between 10am and 3pm. Station located near Bakersfield. (GJ-CA)
- 1646.6 TIS CA, ?? 11/26 0556 Fish Net beacon (Morse code) strong. Thanks MH for ID! (GJ-CA)
- 1700 TIS CA, San Diego 11/26 0800 call WIB8??? Chargers Stadium. (GJ-CA)

DX TESTS

- 500 (WFRM) PA, Coudersport 11/21 0200-0230 nothing heard. (FA-ID)
- 800 (KDDD) TX, Dumas 11/21 0130-0200 nothing heard, I figured this one was a good possibility. (FA-ID)
- 1210 (WILY) IL, Centralia 11/14 0100-0130 DX test not heard. (MS-CA)
+11/14 0100-0130 nothing heard. (FA-ID)
- 1220 ?WRIB? RI, Providence 11/14 0100+ heard a tone in the mess lasting a little bit past the top of the hour, near the scheduled end of test. May never know... (MS-CA)
- 1340 (WTRN) PA, Tyrone 11/21 0200-0230 nothing heard. (FA-ID)
- 1600 KOHI OR, St. Helens 11/20 0300-0330 noted well for entire test period, code ID's, and shorter final ID 0336-0337 (following SSB). On top of four others, the strongest being KCRG-IA. A great effort and should be well heard as conditions were above normal. Thanks guys! (JSM-BC)
+11/20 0300-0330 heard at least 3 sets of code ID's, good signal. (FA-ID)
+11/20 0317, 0328, this test apparently did run, despite what DXM said. Over/under KGST thru unID OC (KMNY?) in KLIV-1590 null. Could only make out code ID's "KOHI" at these two times, first set very slow, high pitched, 2nd set lower pitched but faster. New. (RW-CA)
+11/20 0325-0335 heard with Morse code only. Extreme KCRG/KATZ QRM, any other audio was completely buried in QRM. KOHI is better here during the day. (PM-OR)

+11/20 0334-0335 DX test logged at decent level with Morse code IDs in regular KMNY silent period. I had taken an unplanned nap during the scheduled run time (0300-0330) but thankfully woke up in time to catch this late code set. I only wish I would have set the tape recorder. New for me. Thanks NRC CPC. (MS-CA)

UNIDS

- 1590 11/24 2159:45 ID going into CBS news "More country..." (PM-OR)
1590 11/24 2130 non-stop instrumental EZ listening music, with tunes like "Our Love is Here to Stay" and "Alone in the World." The only EZ station on 1590 is KMOZ-MO. Any ideas? (PM-OR)
1600 11/22 2325 briefly, Black Gospel station with female Gospel music. (PM-OR)
1600 11/22 2345 Black Gospel station asking for prayer requests, Thanksgiving eve, mentioned that requests "will be available until the wee hours Thanksgiving eve." Don't know if this was the same station as above. (PM-OR)

Looks like DX conditions are good, with possible loggings of both North Carolina and Rhode Island! Due to possible mail delays during the upcoming holidays, there will be two Saturday WDXR deadlines. The Dec. 26 deadline will be moved up to Saturday the 24th, and since January 2nd is a postal holiday, the deadline that week will be Saturday Dec. 31.

IRCA Mexican Log, 3rd Edition, Now Available!

After months of preparation, IRCA has published the 1994 edition of the IRCA Mexican Log.

The log lists all AM stations in Mexico by frequency, giving call letters, state, city, day power, night power, slogans, schedule in UTC/GMT, formats, networks, and notes. Stations that have changed frequency since 1990 are cross-referenced on the old frequency.

The call letter index gives call, frequency, city and state. The city index (listed by state, then city) gives frequency, call, day and night power. There is even a guide to the Spanish alphabet and numbers.

The log has been completely updated from the 1990 edition and carefully cross-checked by IRCA members in Mexico and the U.S. This is an indispensable reference for anyone who hears Mexican radio stations.

The price, payable to IRCA in U.S. funds:

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Order from Phil Bytheway, IRCA Bookstore, 9705 Mary N.W., Seattle, WA 98117-2334.

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IRCA AM-FM ALMANAC - 1991 Edition Reprint

IRCA has reprinted a limited number of copies of the 5th Edition of the IRCA AM-FM ALMANAC. Several DXers have expressed interest in obtaining the most recent Almanac edition from 1991, rather than waiting for the next complete Almanac in 1995.

- **1991 Edition** — This is the edition sent to the press in October 1990. Information is from 1988 thru 1990. Much of the information is still useful today.
- **Be sure to state your preference for Looseleaf or Comb Binding.** This edition is available looseleaf, ready to hole-punch and place in a binder, allowing for easy updates. Comb binding is available at no extra charge if you request it.

The price for this reprint is the same as in 1991:

IRCA/NRC member: US - \$13.00 Canada - \$14.00 Overseas Sea Mail - \$14.00 Overseas Air-Mail - \$17.00

Non-member: US - \$15.00 Canada - \$16.00 Overseas Sea Mail - \$16.00 Overseas Air-Mail - \$19.00

Send check or money order, payable to IRCA in U.S. funds, to Phil Bytheway, IRCA Bookstore, 9705 Mary N.W., Seattle, WA 98117-2334. Thank you!

Central DX Roundup



Editor: John C. Johnson



FOR THE RECORD

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RIDING GAIN

- [SA-MB] **Shawn Axelrod**, 30 Becontree Bay, Winnipeg, Manitoba R2N 2X9
Icom IC-R70 w/PLAM board & 4kHz filter, 4-foot box loop, Quantum loop, 100' wire.
- [VAL-DX] DX'pedition at Valhalla Beach, MB 11/11-13
Icom IC-R70 with PLAM board and 4kHz filter, 6 beverages.
- [TMJ-IL] **Tom Jasinski**, 419 North Raven, Shorewood, Illinois 60435-9640
FRG-7 with Quantum loop, R390A with 2½ foot loop, Sharp QT50.
- [FM-IL] **Frank Merrill**, P.O. Box 669, Macomb, IL 61455
Kenwood R-1000 with longwires at 100°, 160°, and 250°
- [TN-WI] **Tim Noonan**, 4609 Crescent Road, Apt. 5, Madison, WI 53711-4672
Drake SW-4A, "Radio West" loop.
E-Mail: Internet: tnoonan@macc.wisc.edu Bitnet: tnoonan@wiscmacc
- [TJR-IL] **Thomas J. Reiser**, Box 5203, Chicago, IL 60680-5203
E-Mail: Internet: reiser@prairienet.org America On Line: ReiserT
Sony ICF-2003 with built-in antenna.
- [TJR-IL2] Thomas DXing from Champaign, IL using a Sony WM-FX 21 Walkman.
- [JcJ-MT] Your editor using an Icom IC-R71A with a Radio West loop.

DOWN THE DIAL

- 530 CKHL **AB**, High Level. 11/12 good. 0645 with weather for High Level into country music.
[VAL-DX]
..... **IL**, Chicago. 11/24 poor. TIS with traffic conditions and weather. [TJR-IL]
- 540 KWMT **IA**, Fort Dodge. 11/24 fair. 1721 with spot for a livestock auction in Macon, MO. IA temps, promo for IA State basketball. New logging for me. [TJR-IL]
- 550 KSD **MO**, St. Louis. 11/24 fair. 1930 with promo for Ross Perot Show. CNN Headline news programming. [TJR-IL]
- 570 WAAX **AL**, Gadsden. 11/24 fair. 1933 with slogan "Big Wax." Promo for Jacksonville State basketball. New logging for me. [TJR-IL]
- 680 WRMD **FL**, St. Petersburg 11/2 2000 "WRMD St. Petersburg-Tampa" in English, then "Estas es Radio Mundo 680..." in Spanish, into CNN Spanish news. First time logged in 34 years from anywhere. [FM-IL]
- 890 KQLX **ND**, Lisbon. 11/11 strong sign off into SSB leaving WLS. [VAL-DX]
- 920 KDHL **MN**, Faribault. 11/24 poor. 2350 with "Solid Rocker" ID, country music. New logging for me. [TJR-IL]
- 930(WAUR) **IL**, Sandwich. 11/11 noted off the air between 0655-0720. WKY in with good signals. Had to go to work, so no DX after 0720. Noted back on the air later in the day. [TMJ-IL]
- 1010 WIOI **OH**, New Boston. 11/12 poor. 1600 with "WIOI.....Ohio" ID into EZL music. New logging for me. [VAL-DX]
- 1110 KFAB **NE**, Omaha. 11/24 fair w/KMBI splash. 1721 with talk program about kidney transplants for cats. New logging for me. [TJR-IL]
- 1130 KWKH **LA**, Shreveport. 11/24 poor. 1723 with country music. [TJR-IL]

CDXR Continued....

- 1200 **WOAI** TX, San Antonio. 11/26 poor. 2330 with Spurs basketball post game. [TJR-IL2]
1230 **KVOC** WY, Casper. 11/13 good. 0600 with Westwood One program and local spots.
"KVOC Casper" ID. New sign on time or now 24 hours. [VAL-DX]
1250 **WZOB** AL, Fort Payne 11/13. 1716 "You're listening to American Country Countdown on
WZOB, Fort Payne." [FM-IL]
1270 **WTRQ** GA, Columbus 11/14 0600 s/on in Spanish only, gave "Radio Continental" slogan.
Change must be VERY recent! [FM-IL]
1290 **WMCS** WI, Greenfield. 11/12 fair in mess w/KKAR, CIFX. 2045 with U/C music, local spots.
New for me. [VAL-DX]
WNIL MI, Niles 11/5. 0600 s/on with SSB (I think, I forgot to mark down SSB in notes).
First time ever logged in 34 years of DX, though I lived only 140 miles from them
until 1985! [FM-IL]
WTYL MS, Tylertown. 11/4. 0700 heard "...AM & FM, Tylertown" at tune-in (presumed
sign on), then news. [FM-IL]
1310 **KFLA** KS, Scott City 11/19. 2128 "Join us Sunday morning at 10:30 (Bible show for
children) on AM 1030 KBUF, AM 1310 KFLA." [FM-IL]
1330 **KFH** KS, Wichita. 11/24 poor w/splash from WKAN. 1945 with spot for a Christmas
carriage ride package. [TJR-IL]
1350 **KRNT** IA, Des Moines. 11/27 good with KRLC nulled. 0243 with "KRNT" ID. [JcJ-MT]
1360 **KFIV** CA, Modesto. 11/27 good mixed with KSCJ, KRKK nulled. 0228 out of CNN
Headline News with "KFIV Modesto" ID. Not needed, but has been a long time
since I've logged KFIV. [JcJ-MT]
KSCJ IA, Sioux City. 11/27 good with KFIV, KRKK nulled. 0229 with "Siouxland Sports
Station KSCJ" slogan. [JcJ-MT]
1370 **KSOP** UT, South Salt Lake City. 11/25 good ontop. 1809 with spot cluster an "Birthday
Payroll" money give-away contest. [JcJ-MT]
1380 **KRKO** WA, Everett. 11/25 briefly good o/KOTA. 1811 with spot cluster including a promo
with numerous mentions of "KRKO." Not needed, but rare here. [JcJ-MT]
1400 **KSRR** UT, Provo. 11/27 good in mess. 0255 with Christmas music. 0303 legal ID "Utah's
Official Christmas Station. KSRR Provo." Not needed. [JcJ-MT]
1450 **WTAL** FL, Tallahassee 11/2 1900 "This is WTAL Tallahassee" then news, fair signal in
dead auroral conditions. [FM-IL]
KFTW MO, Frederickton 11/19 1950 female jock gave 783-6461 for requests, gave news
schedule, mentioned "10:00 s/off." [FM-IL]
1460 **KMWX** WA, Yakima. 11/27 on top. 0245 with rock oldies. "KMWX" mentions. [JcJ-MT]
1480 **WADR** NY, Remsen 11/5 0605 Rome ad, "WADR's temperature," "24 hours a day...only on
WADR," heard no mentions of simulcast WRNY-1350. A nice surprise. [FM-IL]
1510 **KANS** KS, Larned 11/19. 2023 "Tell a friend about 1510 AM, KANS," with oldies, topping
WLAC on 250° wire. [FM-IL]
KGA WA, Spokane. 11/12 good, dominating 1510. 1800 with "This is KGA" and TC into
country music. [VAL-DX]
1570 **WZCG** IN, New Albany 11/14. 0620 "Good morning Kentuckiana, we're glad to be with you
this Monday morning," southern Gospel. [FM-IL]
1580 **KOKB** OK, Blackwell. 11/11 poor on top of a mess. 1820 with sports talk. "KOKB" ID.
[VAL-DX]
1610 **KOC-745** WY, Fort Laramie. 11/12 poor to fair. 2012 TIS with info on the fort and area
around. Stayed in for quite some time. In and out for two evenings. [VAL-DX]
WFPF-??? IL, Naperville. 11/12 fair. 0630 TIS mentioned winter driving info will be
available when needed and info on events coming to Naperville. ID "WFPF (???)
16-10 on the AM band. New for me. [VAL-DX]
WNWZ-9 IL, Bentonville. 11/12 poor. 2009 with info and lots of emergency numbers that
had a prefix "350." This makes this one easier to ID. [VAL-DX]

DX TESTS

- 600(WFRM) PA, Coudersport. 11/21 DX Test not heard here, just CFQC and WMT. [JcJ-MT]
800(KDDD) TX, Dumas. 11/21 DX Test not heard here. Just a very strong XEROK mixed with
splatter from KGH-790. [JcJ-MT]
+11/21 DX Test tried for, not heard. [TN-WI]

CDXR Continued....

- 1200 WGNV NY, Hewburgh. 11/14 DX Test. Listened during 0000-0030 period, heard very faint code between 0015-0016. Too much WOAI and WOPA. [TMJ-IL]
+11/14 DX Test not heard, only WOPA and WOAI. [SA-MB]
- 1210 WILY IL, Centralia. 11/14 DX Test very good. 0100-0130 with code IDs with two different tone pitches. Voice IDs along with simultaneous symphony-type music. [TMJ-IL]
- 1220(WRIB) RI, Providence. 11/14 DX Test. 0030-0100 listened, but nothing recognizable heard. WKNR in with good signals. [TMJ-IL]
+11/14 DX Test not heard, only CJOC and WKNR. [SA-MB]
- 1340(WTRN)PA, Tyrone. 11/21 DX Test not heard here. Just a mixture of GY stations. [JcJ-MT]
+11/21 DX Test tried for, not heard. [TN-WI]
- 1600 WLLS KY, Hartford. 11/12. 0108-0130 tuned in late to hear DX test in progress with code with different tone pitches. Not needed for log, but needed for verie. [TMJ-IL]
+11/12 DX Test not heard, only KCRG and WAAM. [VAL-DX]

unIDs

- 530 unID 11/11 unID TIS very poor. 1730 with woman with message "Welcome to ????" operated by the US ????" at Fort ?????." [VAL-DX]
- 810 unID 11/12 unID poor u/CKJS. 2120 with blues or R&B music format. [VAL-DX]
- 1310 unID 11/25 briefly strong unID on top 1310. 1830 with Georgia vs Tec football game on "The Georgia Bulldogs Network." Spot cluster included Bell South and Trust Company Bank. No IDs, lost to noise. Any ideas? [JcJ-MT]
- 1610 unID 11/12 poor. 1920 with info about stopping at the log cabin at highway 1 and 61. Also mentioned the area was a vacation paradise and international....? [VAL-DX]

25 YEARS AGO

December 13, 1969 issue of IRCA's "DX Monitor"...Virginia Lyle of Saint Petersburg, FL mentioned her Hallicrafters S-107 had an automatic fadeout feature at ID times....Jim Jankowski of Corfu, NY mentioned he was 13 and logged 100 stations in 6 months....Larry B. Godwin of Englewood, CO working on the new Frequency Check list said there were many changes from last year...Ernest J. Wesolowski of Omaha, NE told of his visits to KV00 and KOMA..Rick Evans of Gary, IN logged two new states, NH and HI.

OPEN MIKE

Archaeologists take sedimental journeys. Only two weeks until Christmas! Time to ask Santa to bring lots of DX! There is still time to join this years contest! Nancy will appreciate your entries. 73, John-John.

IRCA BOOKSTORE

IRCA AM-FM ALMANAC, 5th Edition 1991 - (Reprint)

This 240 page book is a must have cross reference for the serious AM DXer. Within it you will find the current frequency check list, affiliates for news and talk show networks, syndicated music and religious programs, AM-FM simulcasts, station slogans, broadcasting in Canada, AM stereo, sports networks, utility stations and many articles on AM broadcasting. In addition, the fifth edition contains a section focusing on AM band foreign DXing (including a compressed IRCA Foreign DX Reference). Each list is in frequency order and many include the FM frequencies as well as the AM (great for FM DXers).

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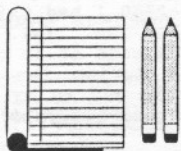
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Eastern DX Forum

Richard C. Evans
P.O. Box 21883
Milwaukee, WI 53221-0883
Phone: 414-Atlantic 2-9035

Deadlines: Saturdays

Anniversary Issue deadline: 2/25/95

S.D. Warren, 1253 CR 90, New Albany, Mississippi 39652

Hello everyone. It's been about a year since I've contributed to EDXF so I guess it's time for a Forum. The 1993-94 season was a successful one for me although I was unable to use my NRD-515 and Palomar loop during most of it. My Superadio II kept me from losing out on some great DX tests and convinced me that it's a fine rx for DXing. After hearing KATL-770 and KREW-1210, the portable was used to add 60 new stations to the logbook. I don't send out many reports but verified 6 stations during the season. I hope to verify at least one station from each state that can be heard in MS. I concentrate on difficult stations especially those received on DX tests. I now have WA, CO, WV and SC verified. I did not expect to hear WA again in MS. Thanks, JD, the CPC and Don Bennett at KREW for that DX test! Did anyone on the WC tape that test? I would like to have a copy if they did. Also would like to have a copy of the WAGL-1560 DX test. I missed part of it because of WPAD QRM. The new season started here in mid-Sept. I was checking for tropics (FM) on my Sony, then switched to AM and found KDKA off and heard C&W mx on 960. I managed to get my NRD-515 on and heard Venezuela on 1020 and ID'd the C&W 960 as CFAC (AB). The next morning (Monday, Sept. 19), I found CFAC in again and checked 1140, 770 and 660 with no luck. After listening to CFAC for 45 minutes dominating the channel, I was tuning back toward 770 again but noticed WCCO was off and a weak station with C&W mx was in on 830. WADU (LA) interfered at 10 ID time but the station faded in with a temp reading of 5 degrees and a slogan that sounded like "the hottest country hits on C-83". WCCO returned at 0500 ELT blocking the channel. After looking thru 2 years of DXM, I decided the station was probably CKKY which programs C&W mx and uses the slogan "Key-83". Then on Sunday, Oct. 2, was checking 1200 kHz during WOAI SP and heard "Oldies" mixing with WOPA's SS. Thinking it was probably CFAC, I tried to get details for a report. When I heard "CFMG 104.9 Edmonton", I couldn't believe it! Only 2 days earlier I had read in DXM (WDXR, Oct. 1) that CHMG was moving to FM and be gone from 1200 kHz. I've checked 1200 during the WOAI SP since 1986 and CHMG is my best one so far. I tried several other times but usually heard Cuba or Venezuela. Then on Saturday, Nov. 12, was doing a bandscan and noticed KSL-1160 very strong. On 1140, I heard a station with "GTO-Good Time Oldies". I remembered a report in DXM (EDXR, Oct. 29) of a Canadian station with this format that interfered with a DX Test. The only Canadian on 1140 was CFXL Calgary which I had been trying to hear for over 20 years. When I heard "XL-Radio 1140", I knew I had another one from AB. (Check EDXR for details.) Three "new" stations from AB in 3 months (counting the tentative CKKY). Southeastern DXers, the new season is here. This may be one we won't soon forget! 73 from north Mississippi.

Gary Siegel, 2955 - 115th Street, Toledo, Ohio 43611

Greetings again IRCAnS. Some DX here of late included the DX tests of WZZZ-1300. KA2XAU-1620 which came on about 15 minutes late, but was quite strong here. The illness of the AM dial has claimed another patient sadly to say. WHND-560 Monroe, MI which was the absolute oldies 'Leader of the Past' having been this format for the last 20 years has succumbed to the local marketing agreement disease which has infested many cities radio world. The oldest & best all oldies station by the time you read this will merely be a memory causing still another era in

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good radio to pass away. Will the last station playing music on AM please turn the dial off! Does anyone know who the Mexican/SS is on 1130 w/ranchera music and w/both female and male announcers in the early evening after SSS. On both 11/10 & 11/11 between 1800-2200 I had this in a SSW loop collinear to WDFN Detroit at times wiping them out. 73s. PS, the WLLS-1600 test was heard here as well. Tones & code made it in on my wife Jeannette's car radio while we were in transit during the test period. She was quite pleased her Chevy Celebrity could add to my 3140 total! Hope the holidays and New Year are good to each and everyone!

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

Well, I made it back to the States alright from Israel, but I'm still trying to get caught up on my sleep. I had no trouble adjusting to the 8 hour time difference over there. Here, it's another story, hi. I didn't take a radio with me--next time I will! I did hear the radio on the bus but not sure if it was AM or FM. Announcers speaking in Hebrew, but music tended to be American oldies, at least on the station the driver was listening to. Barb said the driver seemed surprised she knew which movie Pat Boone first acted in! I loved the country, and, on landing in Tel Aviv, I felt I was home. 73.



Western DX Forum ★ ★ ★ ★ ★

Reid Wheeler 5910 Boulevard Loop SE Olympia, WA 98501

Deadline: Saturday 2 weeks before publication

Gary Jackson, 7735 Center Parkway, Sacramento CA 95823

[11/21] CalTrans unofficially has decided to use 840 kHz for TIS in Bay area, but are worried about CP KRKL due to come on the air causing interference. But thanks to Robert Wien's fine efforts to clear this up. He wrote me that station is on 1270 kHz as KXBX and has decided to stay there and not move to 840 kHz. I passed this on to CalTrans. Have not heard anything final yet. Thanks, Robert, for a job well done. 73's

Nick Hall-Patch, 1538 Amphion St, Victoria BC V8R 4Z6

Just a few words about the DX season so far... As one would expect at a low point in the sunspot cycle, dawn conditions here in the west this fall have tended to favor Asiatic signals. There have been a few mornings of fine signal strengths from what would be unusual stations a few seasons ago, such as the Korean jammer on 1053 and JOHR on 1287. In addition, decent reception of Asiatics started in mid August, boding well for the coming season. However, the season stumbled in early October, as signal strengths peaked on October 1st and 2nd, fell precipitously with a geomagnetic storm, and never really recovered, except briefly around October 9th. The primary problem seems to have been a number of active geomagnetic periods, (which is surprising for the low part of the sunspot cycle) but there appears to be some other mechanism at work here as well. After early October, Asiatic signals took longer to recover from each disturbance, and their final strengths were lower before the next disturbance knocked them out. The big Japanese stations have occasionally delivered reasonable audio, but the "second string" signals (such as JOHR) have virtually disappeared. Gordon Nelson mentioned the "mid-winter anomaly" a number of years ago in NRC reprint P1, and described it as starting in November most years. It seems to me (in very unscientific terms) that the anomaly has been starting nearly a month earlier in this part of the world the last few seasons, though there were some good Asiatic receptions in November of 1986 and 1987, after receptions of both DU's and Asiatics in September and October (note that these years were closer to the peak of the sunspot cycle.) It must be noted that my area is not a prime location for reception of Asiatics, as signals must travel down the land path of Vancouver Island to reach here. Recently, I listened at home while Bruce Portzer, Guy Atkins and Phil Bytheway DXed on the Washington coast. Conditions were poor here, while they were hearing all sorts of fascinating stuff. I don't think it was just the Beverage antennas they were using; the water path counts for something. 73.

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HEARING IT THROUGH THE GRAPEVINE

SHAWN AXELROD 30 BECONTREE BAY WINNIPEG MB R2N 2X9 204-253-8644
DEADLINE ONE MONTH AFTER PUBLICATION

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YE OLDE EDITOR

FREQUENCY 1480 KHZ

KARL ZUK			
WZRC NEW YORK NY	ALL THE TIME	WSAR FALL RIVER MA	SSS
PAUL LAFRENIERE			
KLEE OTTUMWA IA	OCC SRS	WMAX GRAND RAPIDS MI	SRS
WGVU KENTWOOD MI	SRS	WSDS PLYMOUTH T. MI	ONCE SSS
KAUS AUSTIN MN	OCC NITES	KKCQ FOSSTON MN	SRS DAYS WINTER
KGCX SIDNEY MT	SRS	KFMQ LINCOLN NE	OCC SRS
WHBC CANTON OH	PEST	KSDR WATERTOWN SD	OCC SRS
WBBP MEMPHIS TN	ONCE SRS	WTDY MADISON WI	PEST
KRAE CHEYENNE WY	RARE SRS		
BRUCE CONTI			
WSAR FALL RIVER MA	DAY/NITE REGULAR	WZRC NEW YORK NY	NIGHT DX
WHD PHILADELPHIA PA	DX TEST	WTOY SALEM VA	SSS
CHRD DRUMMONDVILLE PQ	NIGHT REGULAR		
YE OLDE EDITOR			
WTDY MADISON WI	REGULAR NITES	KMEM LINCOLN NE	GOOD AT NITE
KKCQ FOSSTON MN	SRS	KGCX SIDNEY MT	GOOD MOST SRS
KSDR WATERTOWN SD	SRS	WSDS YSSILANTE MI	RARE SSS
WHBC CANTON OH	GOOD NITES	WIBM JERSEYVILLE IL	VERY RARE
KUAS AUSTIN MN	RARE SRS	WGVU KENTWOOD MI	GOOD SOME NITES
CKER EDMONTON AB	RARE SRS	WRSW WARSAW IN	RARE
KRAE CHEYENNE WY	RARE SRS	KRXR GOODING ID	ONCE AT SRS
CKAN NEWMARKET ON	ONCE SRS	KLEE OTUMWA IA	VERY RARE

STATE CALIFORNIA

KARL ZUK
640 KFI LOS ANGELES CA ONLY IN THE MIDDLE OF THE NIGHT AROUND 0230 FOR 20 MINUTES

PAUL LAFRENIERE			
580 KMJ FRESNO	TWICE	640 KFI LOS ANGELES	NITES
680 KNBR SAN FRANCISCO	OCC NITES	740 KCBS SAN FRANCISCO	ONCE
760 KFMB SAN DIEGO	ONCE IN WJR SP	860 KTRB MODESTO	RARE
1070 KNX LOS ANGELES	OCC NITES	1530 KFBK SACRAMENTO	TWICE
1540 KZLA LOS ANGELES	ONCE SSS	1550 KKHI SAN FRANCISCO	RARE NITES
1580 KDAY SANTA MONICA	RARE NITES		

BRUCE CONTI
640 KFI LOS ANGELES A REGULAR IN THE 70'S BUT NOW RARE MID-WINTER DX

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YE OLDE EDITOR

610	KFRC	SAN FRANCISCO	ONCE	640	KFI	LOS ANGELES	HARD TO GET
740	KCBS	SAN FRANCISCO	RARE AT NITE	810	KGO	SAN FRANCISCO	VERY RARE
860	KTRB	MODESTO	ONCE AT NITE	990	KATD	PITTSBURG	RARE NITE
1010	KIQI	SAN FRANCISCO	SOME NITES OR SRS	1020	KTNQ	LOS ANGELES	SOME SRS
1070	KNX	LOS ANGELES	EASIEST CA TO GET	1100	KFAX	SAN FRANCISCO	VERY RARE
1530	KFBK	SACRAMENTO	SOME NITES U/WSAI	1550	KPIX	SAN FRANCISCO	RARE NITES

BANDSCAN

THOMAS J REISER

RADDISON SUITES HOTEL NEW ORLEANS LA OCT 20 1994 0800 USING SONY ICF 2003

570	WVMI	BILOXI MS	FAIR	600	WVOG	NEW ORLEANS LA	EXCEL
640	KTIB	THIBODOUX LA	FAIR	690	WTIX	NEW ORLEANS LA	EXCEL
750	KKNO	GRETNA LA	EXCEL	830	WADU	NORCO LA LA	EXCEL
870	WWL	NEW ORLEANS LA	EXCEL	940	WYLD	NEW ORLEANS LA	EXCEL
940	WYLD	NEW ORLEANS LA	EXCEL	990	WYAT	NEW ORLEANS LA	EXCEL
1010	WCKW	GARYVILLE LA	POOR	1060	WNOE	NEW ORLEANS LA	EXCEL
1130	KWKH	SHREVEPORT LA	VERY POOR	1190	WBSL	BAY ST LOUIS MS	POOR
1230	WBOK	NEW ORLEANS LA	EXCEL	1280	WBOK	NEW ORLEANS LA	EXCEL
1350	WSMB	NEW ORLEANS LA	GOOD	1450	WBYU	NEW ORLEANS LA	POOR
1510	KAGY	PORT SULPHER LA	VERY POOR	1540	KGLA	GRETNA LA	POOR IN SS
1560	WSLA	SLIDELL LA	FAIR	1580	WZZJ	PASCAGOULA MS	GOOD

NEXT TIME AROUND WE WILL FEATURE:

FREQUENCY OF THE MONTH: 1540 KHZ

LOCATION OF THE MONTH: MEXICO

AS YOU CAN SEE A CHANGE OF PACE. OVER THE NEXT COUPLE OF ISSUES WE WILL BE GOING INTERNATIONAL AS PER A REQUEST FROM A READER. NOW YOU SUGGEST WHICH COUNTRY OR COUNTRIES YOU WOULD LIKE TO SEE FEATURED IN THIS COLUMN. ALL SUGGESTIONS WILL BE LOOKED AT. NOW PLEASE DO NOT PICK COUNTRIES THAT ARE SUPER RARE. NEPAL DOES NOT MAKE IT HERE HI!!!!

THAT IS ALL FOR THIS TIME AROUND SEE YOU SOON. AS USUAL YOUR INFO IS NEEDED BY ONE MONTH FROM THE DATE THIS ARRIVES AT YOUR DOOR.

MERRY CHRISTMAS AND HAPPY NEW YEAR TO YOU ONE AND ALL.

73 SHAWN



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QSL

VERIFICATION
SIGNERS

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

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 TJR Thomas J Reiser, 9506 S Winchester, Apt 205, Chicago IL 60643-1109; reisert@aol.com
 MS Mike Sanburn, P O Box 1256, Bellflower CA 90707

FREQ	CALL	NAME and TITLE	ADDRESS	WHAT	WHEN	WHO
600	WREC	Gary Condrey, CE	203 Beale St Memphis TN 38103	L		EB
630	KJSL	Brian Thomas, CBoardOp & Laura Parker, Recep	1215 Fern Ridge Parkway Suite 220 St Louis MO 63141*	LMB		EB
650	WSM	Tom Bryant, ProdMgr	2644 McGavock Pike Nashville TN 37214	QMB+		MH
680	KBRW	Don Rinker, GM	P O Box 109 Barrow AK 99723	bc		MS
760	WJR	Ed Buterbaugh, DirEng & Phil Boyce, OpsMgr	2100 Fisher Bldg Detroit MI 48202	QB	14	TJR
850	KHLO	Alan Roycroft	5 Kahoa St Hilo HI	Q	5	GVJ
890	WLS	Warren Shulz, CE	190 N State St Chicago IL 60601	L	21	EB TJR
900	KNUI 2LM	Alan Roycroft Allan Rolfe, CE	Maui HI P O Box 44 Lismore 2480, NSW, Australia	Q L+	5 15	GVJ PM
927	BED	No signer	Central BC System 55 Pei An Rd Taipei, Taiwan	Q	53	PM
940	WYLD	J P Robillard, EngDept	2228 Gravier St New Orleans LA 70119**	R		EB
960	WPMR	Mason Hall, PD	Box 132 Mt Pocono PA 18344-0132	LB	21	TJR
970	KDWG	Randall Rocks, CE	P O Box 1276, 27 N 27th St Billings MT 59103	L+	16	PM
1010	WMOX	Noel Adcock, MusicDir	Box 5184 Meridian MS 39302	RM	14	TJR
1030	KCTA	Leanna Harris, MusicDir	P O Box 898 Corpus Christi TX 78403	LB		EB
1260	KFGQ	Denis R. James, VP/GM	924 W Second St Boone IA 50036-3999	LMBbc+	220	MS
1290	WCHY	Martin Foglia, Jr, CE	P O Box 1247 Savannah GA 31402	LMB	21	MH
1300	KAKC	Steve Davis, DirEng	5801 East 41st St Suite 900 Tulsa, OK 74135-5801	L		EB
1330	KWLO	Roger Lundeen, CE	P O Box 1330 Waterloo IA 50704	L		EB
1370	CFOK	K C, PD	Box 1800 Westlock AB T0G 2L0	P	14f	PM
1386		No signer	Tianjin P. B. S., c/o CNR, Box 4501 Beijing 100866, P. R. of China	Q+	32	PM
1410	KQV		Centre City Tower, 650 Smithfield St Pittsburgh PA 15222	L	315	TJR
1420	KJCK	Randy Stewart, CE	P O Box 789 Junction City KS 66441	L+	20	PM

FREQ	CALL	NAME and TITLE	ADDRESS	WHAT	WHEN	WHO
1540	KTNO	Mary Gunes, GM	3105 West Arkansas Lane Suite A2 Arlington TX 76016	L		EB
1580	WHLY	Michael Shannon, OpsMgr	2010 South Michigan St South Bend IN 46613	L++		EB
1600	WLLS	Lloyd Spivey	Spinks Shopping Center Hartford KY 42347	L+	7	PM
1610	WNPF405	<i>Illegible</i>	Director, Balboa Park Trav Info Syst Parks & Recreation Dept Balboa Park Management Center San Diego CA 92101	P	304f	GVJ
	TIS	Rod Nichols	Sawtooth Fish Hatchery Idaho Fish & Game Clear Water Region 1540 Warner Ave Lewiston ID 83501-5669	L	5	GVJ
1620	KA2XAU	<i>Illegible</i>	P O Box 500 Richland PA 17087	L		MH
1700	WRV829	Sharon Wilkinson, BusMgr	Jack Murphy Stadium 9449 Friars Rd San Diego CA 92108	L+	17	PM

WHAT was received:	L = Letter; Q = QSL card; P = Prepared card supplied by DXer; R = DXer's letter returned with statement; F = Verification by FAX; M = Coverage map; B = Bumper or other sticker; bc = Business card; + = Extra goodies
WHEN the reply came:	Number of days elapsed; f = Follow-up; n = Return postage <u>not</u> used; r = Return postage returned
NOTES:	* [for this report] = Address and receptionist same for KSTL-690; ** [for this report] = Address same for WQUE-1280

Eric's verie for WHLY-1580 was for the first report received by the station since changing calls from WTWO. That's always a nice comment to receive on a verie. Reporters, don't forget to include the length of time it took for your veries to arrive. Patrick mentioned that WLLS-1600 was running only 506 watts at the time of his reception. Thanks for the nice comments, Mike S. This column was prepared on 11/25/94. 73, SSH.

Continued from DXM #11 Mark Connelly's Antenna Experiments:

antenna which is essentially a long terminated transmission line that got its name from the fact that it is usually placed directly on the ground. Some have even buried the antenna in a trench a few inches below ground. When installed above ground, it is seldom above the 3 m / 10 ft. level. Conventional wisdom would indicate that a terminated transmission line "antenna" should act not much differently from a short piece of coaxial cable connected to a 50-ohm dummy load (such as the famous Heathkit Cantenna) located in the shack: little or no signal should be received. Things get a bit more complicated when a transmission line becomes very long - e. g. Beverage length, over 300 m / 1000 ft. According to the tests run by DeMaw and others, transmission line leakage does allow antenna-like performance. Although received signals may be weak, superb rejection of local electrical noise and a single-direction peak, like that of a correctly-terminated Beverage, are claimed to be the benefits.

Terminating a Beverage has always been the major hassle in the pursuit of a unidirectional pattern. In the New England states, a common goal is reducing westward pickup (domestic QRM) to get foreign stations from the northeast, east, and southeast. Ground quality for terminations can range from poor (rocks, sand) to excellent (salt water or marsh). Pounding in ground rods and adjusting a termination resistor over 300 m from the receiving position, even with two DXers linked by walkie-talkies, is not a simple task or even one that, when done, produces the desired result. Running a wire, in the 25 to 75 m length range, after a 560 ohm series resistor at the end of a Beverage can help in situations where ground rod use is impractical. Neil Kazaross, a developer and long-time user of this method, should soon writing an article on it and on some of his other experiments including the "Kazaross Antenna". The resistor plus 50 m (approx.) wire scheme yields front-to-back ratios that have a certain degree of frequency dependence; this was noted on the October 1993 Newfoundland DXpedition. (Resistor plus ground rod terminations are not without frequency-related effects on front-to-back ratios either.)

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If the snake antenna could achieve Beverage-like gain and unidirectional performance across the 500 to 2000 kHz range, that would be a major step forward. If the idea "flew", it would make the terminated Beverage, as we know it, obsolete. DeMaw's article states that any kind of transmission line, balanced or unbalanced, could be used as long as its far end is terminated with a resistor equalling the proper characteristic impedance for that line and if the receiver is matched to the near end of the line through the correct transformer when using lines which are not 50 ohm unbalanced coaxial. I purchased a 762 m / 2500 ft. roll of 120-ohm twisted pair balanced line at the Electronics Superstore, a local surplus outlet in Woburn, MA, specifically for this project.

The snake antenna was checked out in a series of daytime field tests on 7 JUL 1994. I set up operations at the "Nutco" site off of Cook Street in Billerica, MA between the Nutcracker Snacks Co. and the Wheelabrator / Memtek Co. buildings. There is a driveway, well away from the buildings, about 100 m / 328 ft. long at the site; this is followed by a dirt trail heading northwestward for at least 400 m / 1312 ft. through typical sandy dry-site vegetation (pitch pine, bear oak, sweet-fern, etc.). This site east of the Shawsheen River is less than a mile from my house and is one of the few open-space areas left around here that is suitable for Beverage testing and is free of power lines. When it is claimed by further development, a virtual certainty in 5 to 10 years, I'll have to drive quite a bit farther for such field tests.

I used a steel tape to measure out a 366 m / 1200 ft. run of the twisted pair. I cut this section off from the remainder of the roll and laid it out along the driveway and trail. Tests were tailored to compare signal strengths and directional properties of the twisted pair configured as a snake antenna and as a standard unterminated Beverage. For these tests, I used the Drake R8 receiver powered from the car's 12 VDC lighter jack.

For snake tests, the far ends of the twisted pair wires were connected to a 120 ohm non-inductive resistor (equalling the approximate characteristic line impedance). Measuring the receiver ends of the twisted pair with a portable digital multimeter gave a resistance measurement of about 137 ohms: 120 ohms attributable to the load resistor and 17 ohms due to a total wire run of 2400 ft. (1200 ft. down, 1200 ft. back). The receiver ends of the twisted pair were connected to the secondary (pins 4 and 6, impedance about 100 ohms) of a Mini-Circuits T2-1T-X65 transformer. The transformer primary (impedance 50 ohms) leads were connected to the receiver input (transformer pin 1) and receiver ground (pin 3). The secondary winding center-tap (pin 5) could be connected to receiver ground or left to float: there was little observed difference either way.

For Beverage tests, the snake setup was removed from the receiver and a different scheme was used. The twisted pair wires at the far end were shorted together and the receiver end wires were shorted together. The result was a simple unterminated Beverage of 366 m / 1200 ft. To match the Beverage to the receiver correctly, a Mini-Circuits T9-1-X65 transformer was connected to the Beverage on its (approximate) 450 ohm side (pin 6) and to the receiver on its 50 ohm side (pin 1). Receiver ground was connected to transformer pins 3 and 4 (the "bottoms" of the primary and secondary windings).

In both sets of tests, a 50 ohm attenuator was occasionally used ahead of the receiver to observe frequencies that were otherwise pestered by spurs caused by strong local stations on 680 and 1510 kHz.

General scans were made of the medium wave band to get a feeling of directional characteristics and signal strengths, then individual channels were checked and strengths were jotted down on paper. Channels with two or more occupants were useful in directivity determinations.

The first thing that became apparent is that the snake antenna is very lossy. Of course, it's better than a dummy load at the end of a short piece of coaxial cable in the shack, but it was far less sensitive than the Beverage. On the average, differences of 15 to 18 dB, approximately 3 S-units, were seen between the two antennas. I kept on with the testing, despite this obvious failing grade for the snake, because if its directivity was

demonstrably better than the unterminated Beverage, it would still have a "raison d'etre". After all, the use of a quiet, high dynamic range amplifier could offset the lossiness.

Both antennas had interesting directional effects. Nulls off the side were very effective in some instances. Stations to the north-northeast (e. g. WNNW - 1110 Salem, NH; WNBW - 1450 Newburyport, MA; WHAV - 1490 Haverhill, MA) were reduced substantially. The positions of the side nulls varied slightly between the snake antenna and the Beverage.

Many stations in NH, VT, and upstate NY were, as expected, doing well as they were in the forward lobe to the northwest. The big remaining issue was "What's happening off the back?". I turned my attention to any evidence of reduction of Boston, South Shore, and Cape Cod stations off the southeast end (back). The hoped-for substantial advantage of the snake wasn't there: at best, only a modest (5 dB or so) improvement in front-to-back ratio was noted by using the snake instead of the Beverage. In many cases, the front-to-back performance of the two antennas was identical.

The directivity tests showed that a snake antenna is not significantly better in back-end nulling than an unterminated Beverage antenna of comparable length. Certainly, in view of its high loss, the snake antenna is not an acceptable substitute for either a terminated or unterminated Beverage in normal circumstances.

The only value the snake might have is in local electrical noise reduction. I had no way to test out this theory. Good noise reducing properties are obtainable from a Beverage worked against a field-site ground rod system (isolated from receiver ground) and fed through a 9:1 (or 4:1) stepdown transformer through coaxial line to a 1:1 transformer at the receiver input. 20 dB or more noise suppression can be provided by this setup: this was demonstrated during DXpedition activities in Cappahayden, NF. Whether the snake antenna could improve on this remains to be tested out by someone with a location having both adequate land and a noise source in need of "squashing".

III. Balanced Wire Antennas for Noise Reduction

Reduction of local manmade electrical noise has been done successfully by Denzil Wraight, Dallas Lankford, myself, and others through the use of "clean" grounds and isolation transformers. Another way to reduce such noise is to use a center-fed wire antenna with isolation transformers at both the antenna and receiver ends of the coaxial feedline. A resonant dipole for medium wave has an overall length of $468 / F$ feet or $142.65 / F$ meters (where F is the frequency in MHz). At the bottom of the dial (530 kHz), this works out to be 269 m / 883 ft. Two drawbacks to resonant dipoles are the often-unmanageable lengths and that they require mounting at impractically great heights. A non-resonant balanced antenna will not deliver as much RF as a resonant dipole but it can still provide rejection of noise far better than that obtainable from an end-fed (unbalanced) wire not used with a noise-reducing ground system. Noise that is distributed over a long run of electrical power line may be difficult to reduce with any system, except (perhaps) phasing or looping it out.

Typically, on medium wave, the wires used in a balanced antenna system are shorter than those which would be customarily used for a resonant dipole. Shorter than optimum wires may be matched coarsely to 50 ohm feedline through a 4:1 transformer such as the Mini-Circuits T4-6T-X65 or the 9:1 Mini-Circuits T9-1-X65. One side of the balanced wire antenna would be routed to one end of the transformer's higher-impedance winding (pin 6) and the other antenna wire to the other end of that winding (pin 4). The transformer's lower-impedance winding leads (pin 1, pin 3) can be connected through a low-loss pad to the coaxial cable that runs to the receiving position ("shack"). In this pad setup transformer pin 1 connects to an 8.2 ohm resistor R1, the other R1 lead to another 8.2 ohm resistor R3, the other R3 lead to the coaxial cable center conductor, and the R1 / R3 junction via a 150 ohm resistor R2 to the coaxial cable shield and transformer pin 3. The pad introduces less than 3 dB of loss and maintains VSWR of under 3.2:1 for all wire

lengths and frequencies. Keeping VSWR under control helps to prevent stray feedline pickup which could degrade the noise reduction and directional characteristics of the antenna. For permanent installations, the antenna's center assembly (with the stepdown transformer, pad resistors, and connectors) should be weatherproofed and protected from mechanical stress.

The "shack" end of the coaxial cable from the balanced antenna should go to one side of a 1:1 transformer (e. g. pins 4 and 6 of a Mini-Circuits T1-6-X65) and the cable to the receiver input / station ground should go to the other transformer winding (T1-6-X65 pin 1 = center conductor to receiver input, pin 3 = receiver ground). This will usually improve signals relative to local electric noise.

Daytime tests were run in Harwich, MA with such a balanced antenna system. The two wires were in a horizontal-V configuration with one leg running northeast and the other leg running northwest. Each leg of the V was 60 m / 200 ft. long. The balanced scheme (using transformers, pad resistors, coax. as explained above) was substantially quieter than either wire singly connected directly to the receiver and quieter than both wires tied together and connected directly to the receiver. Desired signals lost about 5 to 10 dB (versus the directly-connected wires), but electrical noise from SCR light dimmers in a nearby house dropped about 20 to 25 dB resulting in an overall improvement of 15 dB in signal-to-noise ratio. On some frequencies, signal-to-noise improvements of up to 25 dB were noticed. A number of weaker stations went from poor readability to good. Lost signal level was easily recovered by using a regenerative preamplifier box (Mini-MWT-3) or by switching on the internal broadband amplifier during phasing unit operation. The balanced wire antenna system is almost as good as the system using field-site ground rods. It might actually do better in circumstances where the effectiveness of the ground rods is low due to poor soil, sand, or rocks. A drawback when using short (under a quarter-wavelength) wires, as noted above, is less gain than obtained with a similar length of wire worked against ground.

Center feeding a large (over 30 m / 100 ft.) single-turn closed wire loop that is horizontal, vertical, or tilted is a scheme worth investigating. You could put a potentiometer or a switch at the halfway point on the large single turn (opposite the feedpoint) to play around with the effects of directivity and noise reduction as obtained with short-circuit, open-circuit, and variable resistance conditions. Center-fed V's may be mounted upside down (inverted V), right side up, horizontally, or tilted. The V angle doesn't even have to be 90 degrees; anything above 45 degrees is probably useful. Straight center-fed "dipole-like" antennas could be horizontal, vertical, or sloped. I find that slopers 30 to 50 degrees from the vertical axis (60 to 40 degrees from horizontal) have desirable directional characteristics otherwise not easily obtainable with wires of fairly short electrical length.

For two antenna phasing, I would recommend center-fed slopers going down in opposite directions from the same tree, tower, or other vertical support. Alternately, you could have slopers going off the same support but separated by 90 degrees (as seen in an "aerial view" looking down at the top of the support). Three slopers separated by 120 degree horizontal-plane angles could give additional nulling versatility. A coaxial switch would be used to select the optimum 2 out of the 3 antennas to set up the best null solution.

Concluding statements

The above experiments were done to help DXers hear more stations and to stimulate further research and development. Lengthy mathematical modelling was not done here; rather, real-life tests were the backbone of the experimentation. There are many good software packages out there for antenna design. Reduction of manmade noise (EMI) has become its own branch of engineering: Interference Control Technologies, Inc. in VA devotes a 12-volume set of books (priced at around \$1000 US) to it. The National Security Agency spends a lot of money on keeping RF where it belongs and out of where it doesn't. RF design continues to be a strong field despite defense cuts. It would be interesting to see what can be done for the medium wave DXer through a rigorous application of state-of-the-art software and the latest engineering textbooks (blended with the accumulated wisdom of tube-era old-timers, where applicable). As sophisticated new designs are brought to the fore, real-life field testing will still be the final judge and jury.

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The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (510 - 1720 khz). **DX Monitor**, the official publication of the IRCA, is published 34 times a year, weekly from October to March, twice in September and April, and monthly from May to August. **DX Monitor** contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the Association of North American Radio Clubs.

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