

March 25, 1995 - Volume 32 - Number 28 - Edition 1054 - ISSN 899 - 9732

RENEWALS: Jerry Blake of Ft Wayne IN, Donald Ingram of El Segundo CA, Michael Bay of Kansas City MO, Bruce portzer of Seattle WA, Raymond Moore of Key Largo FL, Mike Hardester of Jacksonville NC, Sam McKee of Decatur IL. Thank You All Very Much.....

IN THIS ISSUE: DX Test.....2, M Street Radio Directory Ad.....2, DX Worldwide II.....3, Dx Worldwide West.....5, Western DX Roundup.....6, Central DX Roundup.....9, Eastern DX Roundup.....10, Eastern DX Forum.....12, Western DX Forum.....13, Technical.....14 (last 2 pages of the ultralinear amplifiers article continued from DXM 26).....

RENEWALS: If your address label reads 32 - 28, 32 - 29, 32 - 30 it is time to renew. Please Please try to renew early it is so much easier on the Pub.....

IRCA REPRINTS: The IRCA has a large file of reprints and copies are available for a nominal charge. For a list of reprints, write IRCA Reprints c/o Steve Ratzlaff 1885 E Bayshore Rd Space 90, East Palo Alto CA 94303.....

IRCA BOOKSTORE: The Bookstore has a lot of good stuff that you can use. For a flyer write the IRCA Bookstore 9705 Mary NW, Seattle WA 98117.....

***** **VOTE** *****

WEEKLIES: This is the last of the weeklies. Did I hear a cheer from the staff ?? The Pub let out a large cheer and the wife joined in and I think she clapped.

DX TEST: Sunday, April 9, 1995 - WNRK - 1260, Newark, DE will conduct a DX test between 12:00 and 2:00 AM EDT. The test will include tones, music and Morse code at powers between 1,000 and 42 watts. Prepaid phone calls will be accepted during the test at (302) 737 - 9675. Reception reports may be sent to: Mr. Dave Schmidt - Chief Engineer, c/o Mid - Atlantic Radio Services, P.O. Box 11502, Wilmington, DE 19850. (arranged by Dave Schmidt for the NRC CPC). JD sent EDT. Are we in EDT already ??...Pub.....

DAB EXPERIMENTAL STATION: Last Thursday on Radio Nederland's "Media Network" DX program, it was said that the NAB would be running the DAB experimental station again this year in Las Vegas from April 10 - 14. It will again be on 1660 kHz. This information from Rich Toebe, thanks Rich.....

ELECTION TIME BE SURE TO VOTE

DX TEST BULLETIN

**** DX TESTS ARRANGED BY IRCA & NRC ****

MONDAY, MARCH 20, 1995 - KSIM-1400, SIKESTON, MO WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:30 AM EST. THE TEST WILL INCLUDE MORSE CODE ID'S, VOICE ID'S & POSSIBLY SOME "SPECIAL" MUSIC. RECEPTION REPORTS MAY BE SENT TO: MR. DAVE OBERGONNER - DIRECTOR OF ENGINEERING, c/o KZIM-AM RADIO, P.O. BOX 1610, CAPE GIRARDEAU, MO 63702. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, MARCH 20, 1995 - WZEP-1460, P.O. BOX 627, DEFUNIAK SPRINGS, FL 32433 WILL CONDUCT A DX TEST BETWEEN 4:00 & 4:45 AM EST. THE TEST WILL INCLUDE TEST TONES, MORSE CODE ID'S, VOICE ID'S & POSSIBLY SOME MUSIC. FROM 4:00 TO 4:30 AM, POWER WILL BE 5 KW NONDIRECTIONAL, AND FROM 4:30 TO 4:45, POWER WILL BE 186 WATTS. RECEPTION REPORTS MAY BE SENT TO: MR. ART DEES - OWNER & GENERAL MANAGER. (ARRANGED BY LEE FRESHWATER FOR THE IRCA CPC)

SATURDAY, MARCH 25, 1995 - KVAK-1230, P.O. BOX 367, VALDEZ, AK 99686 WILL CONDUCT A DX TEST BETWEEN 4:30 & 5:00 AM EST. THE TEST WILL INCLUDE TEST TONES, MORSE CODE ID'S, AND VOICE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. PAT LYNN - GENERAL MANAGER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

SATURDAY, APRIL 1, 1995 - RADIO VISION CRISTIANA-535, SOUTH CAICOS, TURKS AND CAICOS ISLANDS WILL CONDUCT A RESCHEDULED DX TEST BETWEEN 2:00 & 4:00 AM EST. THE TEST WILL INCLUDE BOTH CONTEMPORARY AND JAZZ MUSIC, MORSE CODE, TEST TONES, AND VOICE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. BOB JANNEY (KAANYO) - CHIEF ENGINEER, c/o WWRV-AM, P.O. BOX 2908, PATERSON, NJ 07509-2908. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, APRIL 3, 1995 - KWEY-1590, P.O. BOX 587, WEATHERFORD, OK 73096 WILL CONDUCT A RESCHEDULED DX TEST BETWEEN 1:00 & 1:30 AM EDT. THE TEST WILL INCLUDE MORSE CODE, VOICE ID'S, AND AN UNSPECIFIED SELECTION OF MUSIC. RECEPTION REPORTS MAY BE SENT TO: MR. RAY BAGBY - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

SATURDAY, APRIL 8, 1995 - WWOL-780, 1263 WEST MAIN, FOREST CITY, NC 28043 WILL CONDUCT A RESCHEDULED DX TEST BETWEEN 3:00 & 4:00 AM EDT. THE TEST WILL INCLUDE VOICE ID'S, MORSE CODE ID'S, & MARCH MUSIC. POWER WILL BE 10 KW USING A NONDIRECTIONAL ANTENNA PATTERN. RECEPTION REPORTS MAY BE SENT TO: MR. JULIUS BLANTON ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, APRIL 10, 1995 - KGYN-1210, P.O. BOX 130, GUYMON, OK 73942 WILL CONDUCT A RESCHEDULED DX TEST BETWEEN 2:00 & 2:30 AM EDT. THE TEST WILL INCLUDE VOICE ID'S AND MORSE CODE ID'S. POWER WILL BE 10 KW. RECEPTION REPORTS MAY BE SENT TO: MR. BILL WELDON. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

The IRCA Bookstore is proud to announce that the 'M Street Corporation' has agreed to offer a discount on their 1995 'M Street Radio Directory' to IRCA members ordering through the IRCA Bookstore. The Directory contains a complete listing of over 15,000 radio stations (AM/FM, US/Canada) including the following information: facilities, ownership, formats, LMAs, station personnel, phone numbers (and FAX), addresses, ratings, as well as information on almost 400 radio markets in the US and Canada. Stations are listed by location (complete info), frequency (frequency, call, location, power and pattern) and call (call, frequency, location) and market (frequency, call, location, rating, format). It also includes a former call reference (old call, location and current call). Major network information (addresses/phone numbers/etc) and several interesting radio articles are included as well. This year's edition contains 860 pages and is 8" x 9".

The price to IRCA members ordering through the IRCA Bookstore is \$33.00 (regular price is \$43.95) post paid (UPS address required) and is available NOW from: IRCA Bookstore, 9705 Mary NW, Seattle WA 98117

A DXers TECHNICAL GUIDE

Now in its 2nd edition, this 120 page book answers questions on receiver and antenna theory (how to improve their performance), how audio filters and loop antennas can improve DX (and hints on their construction), how to build a beverage and phasing unit, and much more. Only \$5.50 for IRCA/NRC members, \$6.50 for non-members (overseas airmail add \$2.50).

Order from the IRCA Bookstore, by sending the correct amount (in US funds) to:

IRCA BOOKSTORE, 9705 MARY NW, SEATTLE WA 98117.

2

DX WORLDWIDE II

Bruce Portzer
6546 19th Avenue Northeast
Seattle WA 98115

Greetings gang. I hope everyone has been having a good season. I'm relieved to see we finally have the unid Pacific station on 1557 identified. See the listing for Marshall Islands. Also, this time is news that the last Ausate Print Handicapped station has moved to the main part of the MW band. Here goes with the news....

TRANS ATLANTIC

AUSTRIA: 585 1026 & 1476 all left the air for good 1/1/95 [Arctic] (which, if my WRTH is correct, means Austria no longer has any medium wave outlets! bp)

BELGIUM: On 10/24 RTBF changed the names of its networks. Radio 1 is now "La Premiere", Radio 2 is now "Frequence Wallone", and Radio 3 is now "Musique 3" [Arctic]

GERMANY: Hessischer Rundfunk now seems to be broadcasting its "Gastarbeiter" program from 2000-2200UTC on 594kHz - so you may hear Turkish or Serbo-Croat on this frequency rather than German. [MWN]

AFN-873 has a brand new 150kw x and engineers are now working on a new ground plane for better coverage [Arctic] Mainflingen-1539 "signed off without any kind of announcements" 12/31 at 2300 [Alm, Arctic]
The transmitter on 261 at Burg has been closed down due to its huge energy consumption [Arctic]

NIGERIA: R Nigeria 1069 is on 0425-2305 [Arctic]

NORWAY: Oslo-218 has left the air for good. Kvitsoy-1314 is radiating strong spurs at approx 25.7 & 51.4 above & below the freq, accompanied by RTTY noise [Arctic] (This sounds a lot like a problem we had here in Seattle several years ago where several stations were inadvertently picking up the Navy's VLF transmitter at Jim Creek WA and radiating it about 24 kHz above & below their carrier freqs bp)

RUSSIA (KALININGRAD): Radio Netherlands is broadcasting in English 2027-2128 and Dutch 2127-2326 from Kaliningrad on 1386 kHz. The signal is strong evenings in England with little fading or interference. The modulation is low at the moment, but will improve in due course because Radio Netherlands is sending out an optimized unit for use on its transmissions. The signal is being fed by the same digital circuit that feeds the shortwave relays in the CIS. The transmitter power is apparently 1200kW, which is approximately half the total rated capacity of that site. They use a number of 500kW transmitters connected in parallel, but not at full power. [Andy Sennitt et al, via Internet]

RUSSIA: RADIO ROSSII, Moscow, transmission schedule: 0000-0100 on 261 270 279 873 1512 4485 4895 5980 6040 6090; 0100-0200 on 261 270 873 4485 6090; 0200-0300 on 261 873 5910 6110 6805; 0300-0400 on 261 873 6110 6805 7265 7325 7970; 0400-0500 on 261

873 5910 6110 6805 7265 7325 7970 kc 0500-0600 on 261 873 6110 6805 7265 7970; 0600-0700 on 261 873 6805 7250 7265 9720 11720; 0700-0800 on 261 873 7250 9720 11720 11905 11990 12175 18870; 0800-0900 on 261 873 5930 7250 9720 11720 11905 11990 12045 12175 18870; 0900-1000 on 261 873 9720 11720 12045 12175 18870; 1000-1100 on 261 873 5930 7345 9720 11720 11905 11990 12045 12175 18870; 1100-1200 on 261 873 9720 11720 11990 12045 12175 18870; 1200-1300 on 261 873 5930 9720 12175 18870; 1300-1400 on 261 873 5930 9720 11905 12045 12175 18870; 1400-1500 on 261 873 6040 6125 7340 8005 9720 18870 1500-1600 on 261 873 4485 4860 5920 6125 7340 8005 11575; 1600-1700 on 261 873 4485 5910 5920 6040 6125 7340 8005 11575; 1700-1800 on 261 873 4485 5910 5920 8005 11575; 1800-1900 on 261 873 4485 4895 5910. [BDXC]

SPAIN: COPE Puertollano 1134 ex 1224, Jaen-1224 ex-1134 [Arctic]

UNITED KINGDOM: Sunrise Radio, the Asian Service for London, has stopped using its original low power transmitter on 1413kHz in West London. Until recently 1413 was mostly in parallel with 1458kHz although some separate programmes were carried. 1413 now carries a multi-lingual tape loop advising listeners to return to 1458kHz which is the high power Brookmans Park transmitter formerly used by the BBC station GLR. [MWN]

Talk Radio UK is planning a February 1995 target date for a US style talk format, using mostly former BBC Radio One freqs of 1053 1071 1107 & 1089 [Arctic/MWN]

TRANS PACIFIC

AUSTRALIA: 1PPP Canberra has moved from 1620 to 1125 and changed calls to 1RPH. 2EA Sydney is now on 1107 ex-1386. 2HH-1341 Newcastle Tourist Radio address is PO Box 5202, Newcastle West 2302. ABC Newsradio schedule 16am to midnight Australian Eastern Time consists of 5 mins of news on the hour at 00:15, 00:30, & 00:45. 5 minutes "Australia-wide" nx at 00:05, 00:35, "Worldwide" at 00:20, 00:50, brief headlines at 00:10, 00:25, 00:40 & 00:55, features at 00:11, 00:26, 00:41, & 00:56. From midday to 6 am (sic) regular updates & special programs including ABC radio's "PM" and "The World Today"; Radio Australia's "International Report", "Network Asia", "Asia Focus", and "World Business Report" BBC's "Newshour" (including daily at 11 pm), "Newsdesk", and "Sports Roundup". On Saturday and Sunday afternoon ABC Radio Sports "Grandstand" is carried. Parliamentary broadcasts replace part of the schedule on parliamentary sitting days. [DXA]

Radio Hellas-1422 with 5 kw is Melbourne's latest "narrow-caster", operates as 3XY w/5kw & Greek pgms. Radio Italia Sydney uses 1539 //801, another Italian stn was due on in January on 1593 w/5kw at Epping. 6TAB Perth is on 1206. [NZDXL]

INDIA: The government of India is giving up its monopoly on Broadcasting by allowing local broadcasters to begin operation. AIR will keep its monopoly on nationwide broadcasting. A committee is now drafting guidelines which broadcasters will need to follow [Reuters via HCJB via NZDXL] (I suspect the private BCers will be almost entirely FM, given the emphasis on local operation and the general worldwide preference for FM over AM. bp)

IRAN: The following is a recent list of foreign service broadcasts aired on medium wave, as recently posted on America on-line. I believe these are probably originating from a recently constructed site which includes several high powered MW & SW transmitters. I've also included the SW parallels for ID-ing purposes. ARABIC: 0330-0730 to Middle East on 576 1224 9575 11910 11930 15315; 0930-1130 to Central Africa on 578 1224 11745 11910 13605; 1700-2130 to MidEast on 785 1080 1224 8025 7190. ENGLISH: 1130-1230 to East Asia/Mideast on 1224 7260 9575 11745 11780 11930, and NW Asia on 702; 1930-2030 to Europe on 1404 7260 8022. ARMENIAN: 500-1530 to West Asia on 1404. AZERBAIJANI: 1230-1400 to West Asia on 702 9745, 1630-1830 to West Asia on 1026 1323 1404. RUSSIAN: 1400-1500 to Eastern Europe on 702 1449 7260 9745; 1530-1630 to Europe/NW Asia on 1404 7260 8022. TURKISH: 1830-1930 to NorthWest Asia on 639 1404. TURKMEN: 1500-1730 to NorthWest Asia on 1449. DARI: 0130-0230 to Eastern Iran on 720; 1430-1530 to Eastern Iran on 720 7260; PUSHTU: 1230-1330 to East Asia & Mideast on 1224 9575 11745 11780 11930; 1430-1530 to East Asia on 1098 11930. URDU: 1330-1430 East Asia/Mideast on 1224 9575 11745 11780 11930; 1430-1530 to South Eastern Iran on 765; 1530-1630 to East Asia on 765 1098 11930.

MARSHALL ISLANDS: The unid Pacific station heard by various DXers is B7RR in Majuro. It operates with 10 kw from 2000 to 0800 (8 am to 8 pm local time) Mon-Sat, 2000-0300 (8 am to 3 pm local time) Sun. The mailing address is PO Box 1, Majuro, Marshall Islands 96980. The station manager is Mr. Arden Sorimle. [Chris Rogers, DXA/NZDXL]

NEW ZEALAND: R Rhema Dunedin has increased power to 2.5kw, Christchurch 1503 has moved to 812, both are 24 hrs. Invercargill Sports Roundup & Parliamentary Relay is now on 1026 from Dacre, call is 4XSR. Invercargill Access Radio 96.4 FM is to also operate on AM 1170, Southland Community BCers are seeking vacant 747 kHz. The BBC stations on 1386 & 1233 now also relay VOA [Cushen, NZDXL/DXA]

PHILIPPINES: DWCM-1161.6 ex-1440.3 identifying as Radyo o Balita and "balita coverage numero uno". [NZDXL]

VANUATU: Radio Vanuatu is replacing its old 10 kw xtr on 1125 kHz at Matapoa (currently running at 3kw), with 2 1kw xtrs in parallel giving a total of 2kw, using a new site at Emten Lagoon. The new xtr's will be on the air around Jan 95. There will also be another 2 1kw xtrs at Santo on 1179 carrying the National Program. Vanuatu has also registered the following SW freqs for Emten Lagoon: 2485, 3330, 3945, 4980, 7260. New SW xtrs are also being installed and should be on the air in early 1995, probable initial freqs will be 7260 during the day and 3945 at night using phased antennas oriented NNW/SSE. [Chris Rogers, DXA/NZDXL] (Another article in NZDXL puts the new 1125 xtr at 25kw & the SW xtrs at 10kw. bp)

VIETNAM: An unid station in Ho Chi Minh city on 1122.5 was heard during a DXpedition to Abisko, Sweden on 9/19, with s/off at 2238. Station name sounded like "Va Tong". [Ole Alm, Arctic et al]

The Voice of Vietnam is planning to expand its activities considerably by the end of the century. One of the main goals is to reach Vietnamese living overseas & to counteract news reports which the Hanoi government regards as harmful and against the national interest. Around \$150 million is being invested to increase external service programming, which current plans include MW broadcasts to China, SE Asia, and Australia [R Nederland Media Network]

LATIN AMERICA

ANGUILLA: The latest rumour floating around the Internet and elsewhere is that Dr. Gene is planning to boost transmitter power to 200kw on 1810 with a directional antenna aimed at the US. [various sources]

NETHERLANDS ANTILLES: New address for PJB is PO Box 388, Bonaire. [Arctic]

VENEZUELA: R Mundial, YVZJ-680, ex Radio 1400 on 1400kHz is now 24 hr w/5kw. R Fe y Alegria, Guasualto is being hrd on 800. YVMY-840 ex Union Radio. YVQZ-660 "Anaco 6-80" ex-1400. YVQE-720 now 100kw. [Arctic]

AUSSIE DX TAPE: David Valko, a member of Fine Tuning, was in Australia around Christmas time and prepared a tape with IDs from about 50 Australian medium wave stations. It's available for \$3.00 per cassette from Dave Valko, PO Box 155, Dunlop PA 15930.

THE AURORA EXPLAINED: I recently came across information on a video tape by this name. It describes what is known about auroras in easy to understand language, and includes "exquisite footage of auroras in action" taken with a super-sensitive video camera. Just the thing if you want to learn more about this phenomenon which often upsets radio communications. It can be ordered for \$30 plus \$4 P/H from UA Press at 907-474-6389 (using Visa/MC) or by check from Aurora, Geophysical Institute, Room 614C, Univ of Alaska, Box 757320, Fairbanks AK 99775-7320.

SOURCES: Medium Wave News (MWN), Arctic DX Club (Arctic), New Zealand Radio DX League (NZDXL), DX Australia (DXA), others as noted. 73 and good DX.

BUSINESS RADIO

1580

W P G C A M



DX Worldwide - West

PAT MARTIN PO BOX 843 SEASIDE, OR 97138

Time: UTC

Phone (503) 861-3185

DEADLINE: MONDAYS

PAN-AMERICAN DX ROUNDUP

- 650 MEXICO, Los Mochis-XETNT 3/9 0602 very strong o/KSTE w/call ID "La Ley" slogan by male over mariachi mx. (RT-CA) (A good catch, considering you are so close to KSTE!PM)
- 770 MEXICO, Fresnillo? 0600-0700 3/8 XEIH is listed in latest IRCA Mexican Log as having a Laser-gun type sounds that are done frequently by this UNID'ed SS signal u/KKOB,CHQR, they were pretty low level so hard to make out speech. Not ID'ed as yet. (RT-CA)
- 1560 MEXICO? Mexico XEFAJ is probably this UNID'ed SS signal which most nights is consistently underneath KNZR, but every time they sound like they might ID, Bakersfield plays mx or otherwise clobbers them. Various formats of mx heard, usually a male ancr. It is frustrating! (RT-CA) (A few weeks ago, I logged an UNID XE here that CB-HI IDed for me as XEJPV-Cd. Juarez. I wonder if this is what you are hearing.PM)

TRANS-PACIFIC DX ROUNDUP

- 621 tTUVALU, prob. the one here with bits of Island mx in KIPA splash at 0734 3/12. (PM-OR)
- 891 FIJI, Radio Fiji 2-good with Hindo mx at 0845 3/12 (PM-OR)
- 1017 TONGA, good with Island and US Pop mx at 0745 3/12 (PM-OR)
- 1660 RUSSIA(location unknown) re my reception 1/25 at 1500 of Mayak Service, this could be located in Moscow or another Central Russia location. According to EarthWatch computer program, sunset in Moscow that day is at 1346 giving a path of Darkness over the North Pole. Likely station is not located in FE, since Patrick Martin and other WC DXers haven't hrd it. I sent a report/inquiry to Voice of Russia with Gary Jackson's help. (LG-MT) (Larry: Let us know what you find out.PM)

VERIFICATIONS

- 630 PHILIPPINES, Quezon City-DZMM-with the help of the U.S. office of ABS-CBN International (Company of DZMM in Quezon City), I was able after several trys and months, to finally get a card signed by Jose Ramon Olives-Director. Address: ABS-CBN International-100 N. Hill Drive #30-Brisbane, CA 94005. I have been trying to get something from them for almost 3 years! (PM-OR)
- 595 DOMINICA, Roseau-DBS-received friendly letter in 80d for taped report from Fred White-Chief Tech. Address: Dominica Broadcasting Corporation-Victoria Street-Roseau, Dominica. (PM-OR)

THANKS TO THESE REPORTERS

- LG-MT LARRY GODWIN-2390 CLYDES DALE LANE-MISSOULA MT 59801
Hammarlund HQ-150, Sanscrino air-core box loop
- RT-CA RICH TOEBE-2550 HILBORN ROAD #34-FAIRFIELD, CA 94533
Sony ICF-2010
- PM-OR YOUR EDITOR
Drake R8-Term. 200' SW Wire, Ground system, TUN4 Unit

5

WESTERN DX ROUNDUP



Nancy Hardy
979 Neptune Boulevard
Billings, Montana 59105-2129

★ PRODIGY
MPNN49B

Electronic Mail: 74444.3075@CompuServe.com, Prodigy MPNN49B, or

NancyHardy@AOL.com. E-Mail deadline: Sunday Mornings.

WDXR DEADLINES: Sat. Apr. 8, Sat. Apr. 29, Sat. May 27, Sat. Jul. 1, Sat. Jul. 29, Sat. Aug. 18.
Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

- (LG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59801
Hammarlund HQ-150, Sanserino air-core box loop & KIWA loop
- (JH) Jim Hilliker-1705 Withers Ave. #14-Monterey, CA 93940-1569
GE Superadio with built-in antenna
- (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
- (JSM) Steve McDonald-3319 Glasgow St.-Port Coquitlam, BC V3B 4K8
(JSM-BC1) DX'ing at Mayne Island, BC
R-71A and 30" (modified) Radio West loop
- (MS) Mike Sanburn-P.O. Box 1256-Bellflower, CA 90707
GE Superadio II
- (DS) Dan Sys-27423-32nd Avenue-Aldergrove, BC V4W 3J3
GE Superadio II
- (RT) Rich Toebe-2550 Hilborn Rd. #34-Fairfield, CA 94533-1062
Sony ICF-2010
(RT-NV) DX'ing in Carson City/Reno, NV
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio II, GE long-range portable, SM-2

OF SPECIAL INTEREST

- 530 WGF427 NV, Carson City 2/27 0250+ TIS sponsored by Carson City Convention and Visitors Bureau; info on local attractions, traffic information about Carson City.
(RT-NV)
- 680 KBRD WA, 3/3 1620 now big band. Gave phone number. "The new KBRD." Called station, was told they have been on a month. (PM-OR)
- 1390 KCDR CA, Turlock 2/27 0900 usual good signal in KGER null with ID on hour as "KCVR Lodi-Stockton-Sacramento, KSDR Turlock-Modesto-Merced," then "noticias" (news) and "informas" (information), laser blasts, laser blasts between news items. Call change, ex-KMIX. (RW-CA)
- 1520 KMAV ND, Mayville 2/28 1000 ended C&W tune and gave call ID, then ABC news, weak. Note: latest NRC Log shows this one as silent. (LG-MT)
- 560 KMON MT, Great Falls 2/28 0125-0135 over & under KSFO in partial KSFO null. Poor-fair signal with country music, local ad or PSA, weather and two ID's. New. (JH-CA)
- 660 KGDP CA, Orcutt 3/5 2050 on top on this loop bearing with relig. program. Announcer mentioned nearby Atascadero and said "Christian Radio." "Haven of Rest Reflection" with Ray Ortman followed. No ID at 2100, I phoned station to confirm. New for me. (LG-MT)
- 720 WGN IL, Chicago 2/26 0030 in well most of the evening. (JSM-BC1)

- 840 KDBS OR, Eugene 2/25 1028 ID during break from syndicated Bob Grant show; clear in very tight null of KVEG. New for me. (RT-CA)
- 870 WWL LA, New Orleans 2/25 0255 nice signal for several hours with "Road Gang." (JSM-BC1)
- ?WWL? LA, New Orleans 2/28 0140 possibly the one with country music/truckers show over/under KIEV. Or is Las Vegas country? No ID heard. (JH-CA)
- 970 ?KDWG? MT, Billings 2/20 0615 C&W music fading in during XEJ programming loss. Have logged as KOOK. (MS-CA)
- +3/4 0830 briefly faded in over KBBT with C&W and "KCTR" ID. (DS-BC) (KCTR changed calls to KDWG in May of 1994. They ID during spot clusters :50 to :56. Their format is "Cat Country KCTR" --NH)
- 1030 KDUN OR, Reedsport 2/25 1108 on top with ad for business "just off Highway 101 in Reedsport," quick ID. New logging. (RT-CA)
- 1040 KEZF OR, Tigard 2/25 1038 Amy Grant song, same program on 730; never heard calls but did catch a "K-Love" ID before fading. New. (RT-CA)
- 1060 KKDS UT, Salt Lake City 2/25 1053 clear "Radio Aahs, KKDS" heard, //830 KPLS, KPAY nulled. New call change for me. (RT-CA)
- 1050 KLOH MN, Pipestone 3/3 0758 nice surprise with local news atop KMTA. I phoned station to confirm; announcer said AM power is now 9 watts. (LG-MT)
- 1150 KQQQ WA, Pullman 2/23 2005 good signal over/under KEZX & CKIQ with tail end of ABC news, ad for HBO, ID "KQQQ Talkradio 1150," into Tom Leykis Show. Obviously these guys haven't moved to 650 yet. (DS-BC)
- 1250 WREN KS, Topeka 3/1 0459:55 good with "WREN 1250" ID, QRM from WTAE, etc. (PM-OR)
- WTAE PA, Pittsburg 3/1 0459:57 good with jingle "Talkradio 1250, WTAE" into news. Haven't heard this for a couple of years. Unneeded but nice to hear. (PM-OR)
- 1280 KKAL CA, Arroyo Grande 2/27 2300 good with sports talk show, legal ID. (JH-CA)
- ?KFRN? CA, Long Beach 2/27 2250-2255 could be the one with religious sermon, fair in KKAL null, fading in & out. (JH-CA)
- KIT WA, Yakima 2/26 0800 ID as "Newstalk Radio 1280, KIT," strong. (LG-MT)
- 1300 KDOV OR, Phoenix 3/3 1000 ID as "KDOV Phoenix-Medford," then into NBC news. New for me. (LG-MT)
- 1310 KARY WA, Prosser 3/7 2300 in with call ID plus one for KARI-FM. Announcer also mentioned "Carrie Country." Although not dominant, seemed strong for listed 66 watts. (LG-MT)
- 1320 KCTC CA, Sacramento 2/23 1000 behind KCNR with legal ID, during nostalgia program. New for me. (LG-MT)
- KGDC WA, Walla Walla 3/3 0958 heard with fine ID. Announcer said "KGDC High Country 1320." (LG-MT)
- 1340 KATA CA, Arcata 2/27 0300 fair out of rock oldies, into legal ID and news. Had been a pest after KOMY went off, but not heard too often now. (JH-CA)
- KQIL CO, Grand Junction 2/26 0724 often dominant this morning with country song "I'm Going Through the Big D and Don't Mean Dallas." (MS-CA)
- KBBR OR, North Bend-Coos Bay 2/25 0700 briefly on top with ID out of country music. "Playing country music 24 hours a day, KBBR, North Bend-Coos Bay," into news. New. (JH-CA)
- 1350 CKEG BC, Nanaimo 3/5 1600 still on this frequency simulcasting 1570. I would have thought this would have been "dark" by now. (DS-BC)
- 1390 KLGK UT, Logan 3/1 0506 heard "on 13-90 KLGK." (PM-OR)
- 1460 KCKX OR, Stayton 2/27 0750 very strong over KMWX with satellite C&W and "Hit Kickin' Country KCKX" ID. (DS-BC)
- 1490 KRNR OR, Roseburg 3/4 0800 popped up with call ID. New for me. (LG-MT)
- 1520 KOMA OK, Oklahoma City 2/27 2315 fair with rock oldies show and ID "This is the Wax Museum on KOMA, 15-20 AM." UniD talk show in null. (JH-CA)
- 1540 KASA AZ, Phoenix 2/25 0757 with s/on in Spanish and English. New catch. (JSM-BC1)
- +3/4 0759 s/on (no anthem) in Spanish, then English. (LG-MT)
- KMBY CA, Capitola 3/6 0800 weak but on top with legal ID. Announcer mentioned this station and also said "...Northern California, Salinas, Monterey, Santa Cruz, KCBA news." IS KCBA an FM station? (LG-MT)

- KXEL IA, Waterloo 2/25 0250 very strong with "Road Gang." Finally faded out at 0806. (JSM-BC1)
 + 3/3 0756 in top with call ID. (LG-MT)
- 1580 ?CBJ? PQ, Chicoutimi 2/25 2116-2156 man in French with good spot for Tim Horton's; deep fades with signal peaking every 10 minutes for about 2 minutes. Don't know who else this could be. Taped report sent. (JSM-BC1)
- 1600 KYGO CO, Lakewood-Denver 2/25 2227 ex-KWMX in briefly with C&W and ID. (JSM-BC1)
 +2/26 0800 ID "This is 1600 KYGO-AM" into "Harper Valley PTA" by Jeannie C. Riley. QRM from spanish speakers KTAP & KGST. KMNY off for regular SM silent period. Ex-KWMX-1600/KYGO-950 for me. (MS-CA)
- 1610 TIS NV, Carson City 2/27 0310+ this TIS runs parallel to the TIS in Reno on 530. Gives traffic and road info, construction activity. No calls given. (RT-NV)

DX TESTS

- 1340 KTCR WA, Kennewick 2/26 0400 fair in jumble with DX test. Gave address to send reports. Unneeded but nice to hear. (PM-OR)
 + 2/26 0401 test tones very weak. Spanish station in strong, plus another English station. Mentions of IRCA weakly heard later. (GJ-CA)
- ?KTCR?+2/26 0441, 0510, 0547 noted all 3 times with various tones. Checked 1420, but too much KNTA-1430 splash to get KUJ. Varying/sweeping tones at 0442, tone & possible code ID at 0510, tone back again at 0520, definite tone and code ID's at 0547. All weak under KATA/KTIK/KXEQ/unID nostalgia (KGLW?). Tentative, new, tentative report sent. (RW-CA)
- 1420 KUJ WA, Walla Walla 2/26 0400 excellent as usual with DX test // 1340-KTCR, gave address to send reports. Again unneeded. (PM-OR)
 +2/26 0509+ DX test dominating over XEXX and others. ID mentioned "Talkradio KTCR and KUJ conducting a DX test sponsored by the IRCA." Some jazz music and interesting series of tones (100hz, 125hz, 250hz, 500hz, 1 kHz, 2 kHz, 4kHz, 8kHz, etc). Gave address for reception reports. (MS-CA)
 +2/26 0418 sounded like 250 hertz tone, weak. Announcer mentioned IRCA and gave both stations ID's and address. 450 test tones. (GJ-CA)

UNIDS

- 880 2/21 1011 CNN Headline News, poor-fair in KKMC null. (JH-CA)
 1480 2/27 0325 unID tone fair looping N-S over KYOS, possibly KTMA? (RW-CA)

LOCAL NEWS

- 1540 KMBY CA, Capitola has started simulcasting TV newscast for KCBA (Fox) channel 35 in Salinas at 2100, 0100-0130 and 0800-0900. (JH-CA)

Note new WDXR address and deadlines at the beginning of the column! We will be in Boise July 14-15-16 for the convention. Hope to see you there.

CONTEST NEWS

IRCA contest standings will appear next issue. In February I had contest reports with me as I drove to Billings. However, I totalled my 1995 Mustang in a rollover accident. Luckily no one was hurt (my daughter Melanie was with me). The contest reports did get separated from me, and they have just arrived here for me to compile. As a result, there will be a contest standings next month that will cover the January and February loggings. Sorry for the delay this time around.

Central DX Roundup



Editor: John C. Johnson

FOR THE RECORD

ADDRESS YOUR REPORTS TO:

E-MAIL: JOHNJ53816@AOL.COM SNAIL-MAIL: 979 NEPTUNE BLVD., BILLINGS, MT 59105-2129
AMERICA ON LINE: JOHNJ53816 COMPU SERVE: 74444,3075 PRODIGY: MPNN49A
REPORT ALL TIMES AS EASTERN. DEADLINES: 4/8, 4/29, 5/27, 7/1, 7/29, 8/18, 9/2.

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.
- [NJH-MT] **Nancy J. Hardy**, 979 Neptune Boulevard, Billings, MT 59105-2129
icom IC-R71A, Radio West loop.
E-Mail: Internet: MPNN49B@prodigy.com Prodigy: MPNN49B
- [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

SPECIAL INTEREST

- 590 CJCL ? **ON**, Toronto. EX-1430. 2/27 good in CKY null. 0403 with a Canadian sports wrap-up and "The Fan" IDs. Now here, but not sure if they traded calls with the frequency. No "legal" ID heard. [SA-MB]
- 1430 CKYC? **ON**, Toronto. 2/26 fair to good. 0620 with country music. ID's as "Country Music Radio" Also running a message every 15 or so minutes telling you to tune to 590 for sports as they had moved. Calls not known for sure as when they were on 590 they never used them. [SA-MB]

DOWN THE DIAL

- 570 WVMI **MS**, Biloxi. 3/9 fair. Country format, ID's as "K-99 FM," local mentions. Legal ID for "WKNN Pascagoula, Biloxi, Gulfport" at 0056 (FMer on 99.1), no AM ID heard. [TN-WI]
- 990 CKIS **PQ**, Montreal. 2/26 good signals in new extended CBW silent period. CBW signs on between 0630 and 0645 on Saturday and Sunday. This has been going on for three weekends in a row, and I hope it is permanent as this frequency is open for 60-75 minutes more on the weekend. [SA-MB]
- 1510 WLAC **TN**, Nashville. 3/9 poor thru KGA. 0258 with local spots. News mixing with KGA, unable to determine which station. 0305 out of news with legal ID "WLAC Nashville." [NJH-MT]
{Nice catch, Nancy, I've not heard WLAC in years! John.}
- WWSM** **PA**, Annville-Cleona. 3/8 in well in WLAC null. 2343 with legal ID, country music. I had them listed as silent? Thanks to a tip from Bill Dvorak. [TN-WI]
- 1570 CKMW **MB**, Winkler. 3/4 fair to good. 0100 with country music. ID "This is Country 15-70, the best in Southern Manitoba." No call ID heard. [TN-WI]

DX TESTS

- 1250(WKBR) **NH**, Manchester. 3/6 DX Test not heard here. WREN and WEMP were in. [TN-WI]
- 1580 KFDF **AR**, Van Buren. 3/4 DX Test. 0200 with legal ID "Thanks for listening to KFDF, 15-80 AM Van Buren, Fort Smith." Presumably at the beginning of the test. No code, No TT, etc. noted. [TN-WI]

25 YEARS AGO

March 28, 1970 issue of IRCA's "DX Monitor"....Chuck Albertson of Bellevue, WA mentioned because of school he wasn't able to stay up MM 3/16 when conditions were excellent. He did log KLIV-1590.....Thomas J. Yingling of Baltimore, MD called a WKAT-1360 call-in show.....Stephen Howe of Great Neck, NY said his totals were 655/152. He had logged 25 states.

OPEN MIKE

Tact is the ability to describe others as they see themselves. Check the deadlines, we're out of the weeklies now! See you in Boise! 73, John-John.



Eastern DX Roundup

Editor: Mark McMillan
91 Hollis Avenue #2
North Quincy, MA 02171

RADIO ACTIVE INPUT

- (LH-AL) Lynn Hollerman 514 Carrsbrook Rd Huntsville, Al 35803
DX-440 and 70' lw and MFJ 956 antenna tuner
- (MM-MA) Mark McMillan ye editor on Kenwood TS 440-S and G5RV.
E-mail MARK N7EIJ@AOL
- (WPT-DC) William Townshend apt 901 450 Conn Ave NW Washington DC 20008-4326
Sony ICF-2010

IN THE LOG

- 1250 WEMP WI, Milwaukee 3/6 0100 "The Oldies station, 12-50, Wemp Milwaukee, Wisconsin".
(LH-AL)
- 1340 WHAP VA, Hopewell 3/5 0010 C&W mx into ID atop, then gone. (MM-MA)

DX TESTING

- 750 KERR MT, Polson 2/20 0200-0230 Not hrd WSB dominates this freq. (WPT-DC)
- 780 WWOL NC, Forest City 2/11 0200-0230 A no-show, Just WBBM (WPT-DC)
- 920 CFYR ME, Portage La Prairie 1/30 0100-0130 Tried but no dice. (WPT-DC)
- 1210 KGYN OK, Guymon 2/13 0200-0230 Not hrd, WGMP rules this freq. (WPT-DC)
- 1250 WKBR NH, Manchester 3/6 0118 Possible CW heard. (LH-AL)
- 1320 WAMR FL, Venice 1/30 0130-0200 Not hrd. Just WJAS. (WPT-DC)
- 1580 KFDF AR, Ft. Smith 3/6 0219, 0225 possible CW heard, 0320 definite CW and VID, but unable to copy due to QRM. (LH-AL)

Thanks to all who sent in the info. E-mail is great, keep them coming. 73's Mark.

RADIO ACTIVE INPUT

- (MM-MA) Mark McMillan editor using Kenwood TS 440-S and G5RV ant.
- (JD-AL) J.D. Stephens 1155 Old Monrovia #3E Huntsville Al 35806-3510
Panasonic RF-2600, Sony ICF-2001, several LW ant's
- (WPT-DC) William Townshend Washington DC Sony ICF-2010

IN THE LOG

- 530 WPBE 367 MA, Hopkington 3/12 0550 On with loop on Mass Pike, The sister stn in Weston, MA has been off for a while. (MM-MA)
- 540 CBGA1 PQ, New Carlisle 3/12 0150 Hockey game w/Rangers, ment of Quebec. Good AU conditions tonight. (MM-MA)

- 560 WIND IL, Chicago 2/25 2300-2310 Fair at times w/Latin mx, "La Trem enda" slogans (JD-AL)
 730 CKAC PQ, Montreal 2/24 2202 Talk in FF by OM Fair u/WCPT (WPT-DC)
 920 WMEL FL, Melbourne 3/10 1854 ID by M, Sports talk show. Good (WPT-DC)
 960 WFIR VA, Roanoke 2/26 0230-0240 Fair w/"AM 960 WFIR" ID's, News read live, Newstalk. (JD-AL)
 1090 CKKW ON, Kitchener-Waterloo 3/18 0044 GTO ID u/WBAL (MM-MA)
 1330 WFBC SC, Greenville 3/11 2200 Sports tlk show (BKB Tourney) ID by OM. Fair-good. (WPT-DC)
 1420 WOC IA, Davenport 2/26 0358-0406 Good w/promo for Rush Limbaugh show, ending w/"on Newstalk 1420 WOC". Network nx local wx forecast. (JD-AL)
 1430 KQLL OK, Tulsa 2/26 0330-0340 Good w/ "one-on-one sports" Programming via satellite. Slogan/Id AS "Sports on cue. KQLL-AM 1430, Tulsa" (JD-AL)

DX TESTING

- *****
 750 KERR MT, Polson 2/20 0200-0230 IRCA DX test Heard a couple of weak tentative CID's until near the end of the test when I heard a much stronger CID. Mentioning call letters many times. New, MT #6 (JD-AL)
 930 KWOC MO, Poplar Bluff 3/13 0220-0235 unhrd WFMD rules the roost here. (WPT-DC)
 960 KZIM MO, Cape Girardeau 3/6 0200-0230 IRCA DX test was a no show due to death in the responsible station personnel's family. Has been rescheduled. (JD-AL)
 + not hrd 3/6 0200-0230 (WPT-DC)
 1250 WKBR NH, Manchester 3/6 0100-0130 IRCA DX test Heard, several tentative dial-tone like CID's and a couple of TT's. Tentative report sent. (JD-AL)
 + 3/6 0100-0130 not hrd only WTAE, WWDE slop. (WPT-DC)
 1330 WPPI GA, Carrollton 3/4 0500-0600 NRC DX test. Not tried for. Heard during last test. (JD-AL)
 1340 KTCR WA, Kennewick 2/26 0400-0600 IRCA DX test Not hrd, not surprised. This was to be // KUJ. (JD-AL)
 1420 KUJ WA, Walla Walla 2/26 0400-0600 IRCA DX test. Test heard fair at times under WOC w/ VID's and lots of step tones. No CID heard, but I only listened for 30 minutes. New, WA #5 all on DX tests. A much wanted three letter call. (JD-AL)
 1580 KPFD AR, Fort Smith 3/4 0200-0300 IRCA DX test. Heard several weak CID's and a couple of VID's Not needed. (JD-AL)

++++
 Thanks to JD and Bill for this weeks show. 73's Mark

Patrick Martin

SPECIAL DX QSL

1965 ANNUAL CONVENTION

INTERNATIONAL RADIO CLUB OF AMERICA

1360 Kilocycles

5000/1000 Watts

KGB

SAN DIEGO, CALIFORNIA

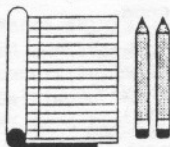
This Will Verify Your Reception Of Our Station On

June 22, 1964 At 1:30 AM P.T.

Signed

Chas. H. Duncan
 C. H.

11



Eastern DX Forum

Richard C. Evans

P.O. Box 21883

Milwaukee, WI 53221-0883

Phone: 414-ATLantic 2-9035

Deadlines: 4/8 4/29 5/27 7/1 7/29 8/19 9/2 9/23

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

During the 3/6 DX Tests was pleased to hear KALO, Port Arthur, TX, signing off on 1250. On 960 WERC, Birmingham and WFIR, Roanoke were fighting it out. Nothing heard for sure from the test stations. WIVV-1370 still looking for land in PR or on Vieques Island to increase power to 10 kw. Has already purchased towers for a good price. Unfortunately, sister WBMJ-1190 had its two 200 ft towers vandalized on Jan. 30. Tower #1 had three guy line turnbuckles removed so it crashed into tower #2. Tower #2 was left leaning 35 ft at the top, held up by one guy. It was saved and repaired temporarily by Jim Hulse (Hulse Enterprises of Indiana) so WBMJ was able to return to the air with reduced power on Feb. 3. Cost over \$30,000, uninsured. Another Christian station vandalized the week after WBMJ. WJOU-1350 is up for sale by Johnson Publishing Co. (Jet, Ebony magazines) according to March 4 Courier-Journal. Also moving to Lyles Mall on South 28th Street in West Louisville. Urban Music. WQLL (Cool 103.9) is our "All 70s, All the Time" station. Anyone have valid address for WPPI-1330? Report letter for NRC DX Test returned as Box (710) closed and no forwarding order. 73 - Col. DX. P.S. Hawg market up. See you in Boise!

Bruce Conti, 46 Ridgefield Drive, Nashua, New Hampshire 03062-1174

Clueless in Mexico, yes I am. Regarding my last Forum about XEWA-540 Rioverde, SLP/Monterrey, NL, it's been pointed out to me that Rioverde is over 200 miles south of Monterrey. My "barato" world atlas doesn't show the location of Rioverde. Because the mediumwave listings by frequency in the back of the WRTH indicate the XEWA location as Monterrey, it led me to believe that their Rioverde transmitter site must be located at the northern tip of San Luis Potosi near the Nuevo Leon border, where 150 kw would easily cover Monterrey and the rest of Nuevo Leon. Anyway, I went to the library to see for myself where Rioverde is located, and stand corrected. The distance from Monterrey justifies the transmitter site listing. The WRTH should also be corrected, as the Monterrey listing for 540 is misleading if not incorrect. I also recently located Puerto Ordaz, Venezuela, another one of those places that don't show up on the map. Radio Sur-700, Radio Caroni-740, and Mundial-880, all out of this city, have been logged in Nashua. Puerto Ordaz is located across the Caroni River from San Felix on the Orinoco. Both places were combined to become Ciudad Guyana in 1961, according to Lonely Planet Publications' Venezuela Travel Survival Kit. The Lonely Planet series of books are a great reference, providing detailed city maps and local information that can be helpful when IDing a station or finding names of places mentioned in a broadcast for detailed reception reporting. Although locals still refer to the separate cities, Ciudad Guyana is what you'll find on most maps. So much for the geography lesson. You'll be quizzed on this later, and I'm going to buy a Lonely Planet Mexico guide! 73s.

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

Congrats to IRA on another fine year and happy anniversary to our great club. Sorry this won't be in the anniversary issue but a recent week-long school in Cincinnati kept me from getting to this before now. The school was in connection with my work, and as a review I work for the suburban Sylvania, Ohio police as the Chief telecommunicator. I've been

with them now for about 17.5 years. I'm 44 and have been DXing AM since 1964, actively since 1966 but I see with the possible exceptions of such openings as DX tests, some scattered SRS & SSS, TA's and auroral CX that the general QRM of the dial is so bad most nights that long term sessions at the dial is growing increasingly fruitless. Perhaps the soon to be opened 1610-1700 area of the dial will provide some new DX possibilities, doesn't look like the Midwest area will have too many spots blocked. Most recent catches found KKBQ-790 getting in on 2/5 at 1914, ann. for winning contestant getting tickets to show at Astrodome. This heard on my recently acquired Superadio III. This GE product has fine sensitivity, seems to cut down some of the rumble of the massive QRM and yet allowed selective reception based on its fine directionality. However the spacing between stations seems narrow and requires some very tight/fine tuning by the DXer listener and seems to have some slight drifting tendencies. The wide band feature does not help at all in pulling in DX, what it does is widen the range of the strong AM signal to overslop adjacent channels but does aid in providing a nice audio sound for the casual listener. The radio itself has a nice ear sound and for the \$60 price is a very good receiver. I got mine at 30% off at a store going out of business here locally, hi! KKBQ was my first DX with the radio so it is no slough as you can note. I also got the KERR-750 test with code ID at 0230 on 2/20, had to fight WSB/CRGB QRM and WJR slop, thanks JD again! Totals now are 3148 from 49 states, 55 countries, 10 provinces. Will go over some top 10 state stats next time. Till next time 73s & aloha!



Western DX Forum ★ ★ ★ ★ ★

Reid Wheeler 5910 Boulevard Loop SE Olympia, WA 98501

Deadline: Saturday 2 weeks before publication

Mike Sanburn, PO Box 1256, Bellflower CA 90707

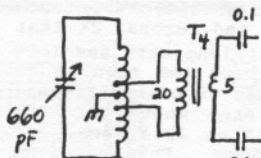
Greetings, since I've rained in this weekend I thought I'd forum and wish the IRCA a happy belated Anniversary! Also wanted to say welcome to all the new members and thanks to Bill Nittler for the excellent cards and stickers. As I've said before, Nancy's DX contest has been a great incentive to spend more time at the dials and as a result I've logged at least one new station each season. First in 1992 I bagged KWNA-NV. Then in 1993 it was KQWB-ND [they just switched calls to KQFN so I'll try to catch them again.] This season I logged KQIL-CO for a new GY state! I wonder what I'll hear in '95-'96? Maybe Alaska?? (about as likely as Joel returning to Northern Exposure...) From a slightly lower latitude, the KERR and KUJ DX tests made it here just fine. KYGO is an easy catch on their new frequency of 1600 when KMNY goes off Sunday mornings - even with the 3 amigos (Tucson, Fresno, and Santa Maria). KLAC is reporting that they are the no.1 rated adult-standard station in the country. I guess their format change of a little over a year ago proved successful. I like the wide variety of music on Unistar [Herb Alpert, Dave Brubeck Quartet, Frank Sinatra, etc.]. I usually listen for at least a couple of hours each weekday around noon. It's a good cooling off period between Rush Limbaugh and Tom Leykis. In other news, the 4th edition of Highway Radio by William J. Stank is out. Price is \$22.99 for 1 or \$23.98 for 2. Arc Trek Publishing, 1231 Airport Rd #177, Allentown PA 18103. The newest NRC Log looks great, glad I bought it. Recent veries here are WNQM, WIBW, KTNS, KSCO, KTIK, KQIL. I've donated a bunch of airchecks and jingles again to this year's auction so I hope to see everybody in Spudtown this July. I've been to Pocatello before but never Boise - should be fun. Any aircheck traders out there? Drop me a card - maybe we can do a tape or two. Good DX 73

-----32-27-----

A DXers TECHNICAL GUIDE

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

13



2 foot air core loop, 14 turns #18 stranded, taps one turn each side of center tap

T_4 replaces T_2 ,
 T_4 is 20 turns:
 5 turns #24 on Amidon FT-50-75 wrapped with Teflon tape, wound as shown at left

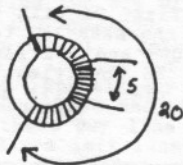


Fig. 6

An application which I intend to try next fall when noise levels drop is a push-pull CBTF amp running at reduced collector current with my two foot air core loop. This potential application was discussed above; cf. Fig. 3(d) and associated remarks. An interface of a push-pull CBTF amp with a two foot balanced air core loop is given at left in Fig. 6. After recent experiences with IMD3 in 50 to 2000 ohm transformers for impedance matching mechanical filters, I am not so sure that the FT-50-75 ferrite toroid specified in Fig. 6 has sufficient cross sectional area to prevent IMD3 originating in the transformer from degrading performance. An FT-114-75 or larger may be required for this application. In fact, to be certain that transformed IMD does not dominate system IMD, ferrite material transformers should not be used at all, but rather large cross sectional area powdered iron transformers. A T-106-15 with 120:30 turns of #30 enameled copper wire should probably be used, but it is such a hassle to wind.

Adding a tuned, push-pull, CBTF amp ahead of a receiver is, without a doubt, the most effective means of substantially increasing the 2nd order performance and wide-spaced 3rd order performance of a receiver. For example, a tuned, MW, 9.5 dB gain CBTF amp followed by a 4 dB attenuator, which will be described below, improved an NRD-525 intercepts by the amounts given in Fig. 7 below.

Fig. 7

IMD	NRD-525	NRD-525 + tuned p-p CBTF amp
1500 - 990 = 510 KHz	+60 dBm (ICP2in)	greater than +100 dBm (ICP2in)
600 + 700 = 1300 KHz	+54 dBm (ICP2in)	greater than +100 dBm (ICP2in)
2x600 + 700 = 1900 KHz	+39 dBm (ICP3in)	greater than +50 dBm (ICP3in)

The measurements in Fig. 7 above were made with a parallel LC tuned circuit ahead of a 3:15:9 turn winding push-pull CBTF amp drawing 16 mA collector current for each basic amp of the push-pull pair, i.e., about 32 mA total current drain. The parallel LC tuned circuit was an Amidon FT-50-61 with 48 turns #28 enameled copper wire, tapped two turns from the bottom, with a two turn link for antenna input. The tap went directly to T2 of Fig. 2. If this approach is used with receivers which have higher close-in ICP3in, such as the RACAL RA6790/GM, a large powdered iron toroid should be used; otherwise close-in ICP3in will be degraded. A T-106-15 with 71 turns #24, tapped 3 turns from the bottom, with a 3 turn link would be suitable. In both cases, a 660 pF air variable capacitor should be used (which provides a tuning range of about 500 to 2000 KHz. If a 660 pF air variable capacitor is not available, whatever is available (but at least 365 pF) may be used. Of course, the number of turns on the toroid will have to be increased if a lower value air variable capacitor is used. The ratio of about 20:1 for tap and link should be maintained for other turns ratios.

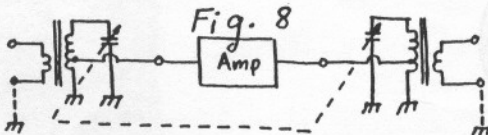
For a LW tuned, p-p, CBTF amp, 150 turns #32 on an FT-82-61 with 2 turn link and 2 turn tap gave excellent results. The tuning range was about 140 to 600 KHz with a 660 pF air core variable capacitor.

For a high SW band tuned, p-p, CBTF amp, 12 turns #24 on a T-50-2 with 2 turn tap and 2 turn link was excellent, and had a tuning range of about 4 to 25 MHz. A T-106-2 toroid would, perhaps, be a better choice to guarantee minimum IMD, but too few turns are available for proper impedance matching with a T-102-6.

A T-106-2 is suitable for a low SW band tuned, p-p, CBTF amp, but I seem to have lost my winding notes for a 1.7 to 10 MHz tuning range using a 660 pF air variable. Oh well, I am sure you get the idea.

Back to the LW tuned, p-p, CBTF amp, if you don't mind winding, and winding, and winding, you should probably give a T-184-3 a try. It is a hefty hunk of powdered iron about 1.84 inches outside diameter, weighing about 5.5 ounces. On the other hand, there probably isn't any point in going to that amount of "overkill," since signal levels in the VLF band generally are not high enough to cause close-in IMD3 problems.

The link-input-tap-output LC tuned circuits described above are merely the simplest way to implement tuned CBTF amps. A second LC tuned circuit may be added at the amp output as shown below in Fig. 8. More elaborate tuned circuits may also be used, such as capacitor coupled or inductor coupled double tuned circuits with either tap or link feed to the CBTF amp. A tuned CBTF amp using the circuit of Fig. 8 gave excellent performance with T-106-15 powdered iron toroids and a dual 550 pF air variable capacitor when used with a Drake R8. But I am not ready to commit myself to a particular implementation at this time.



It should be emphasized that a tuned, p-p, CBTF amp will do nothing for close-in IMD3, and can even make matters worse if signal levels are raised too much with too much gain. Your local RF environment will determine how much gain ahead of your receiver can be tolerated before your receiver begins to complain. And your receiver idiosyncracies will have a bearing on that issue. For example, a stock Drake R8 with no preamp available below 1.5 MHz can easily accept a 12 dB gain, tuned, p-p, CBTF amp. However, if you have modified your R8 as I have, with the original preamp replaced by a 9.5 dB gain, non-p-p, CBTF amp which can be activated below 1.5 MHz, then a 9.5 dB gain, tuned, p-p, CBTF amp followed by a 4 dB attenuator is a better choice. With such an arrangement, my (modified) R8 has higher wide-spaced ICP3in and higher ICP2in than either my R-390A or my NRD-525 (both with no tuned preamp). But if you bash a modified R8 with a 12 dB gain amp in the MW band with the R8 preamp turned on, the R8 performance will not be nearly as good.

The above approach should also be suitable for other receivers with broadband front ends, though the amount of amp gain and the amount of attenuation following the amp should be adjusted for the particular receiver and local RF environment.

For many DXers, a push-pull amp may not be necessary, and a single basic CBTF amp may be sufficient to eliminate wide-spaced IMD3 and IMD2. It will depend on the receiver and the local RF environment.

As I said at the beginning of these notes, the purpose of this article was to summarize my experiences with CBTF amps using 2N5109 and 2N3053 BJT's, and to provide other DXers enough information to construct and use these kinds of CBTF amps. In addition, I pointed out that a fertile area for further study may be non-standard turns ratios, which could lead to better two-way impedance match to Z_0 . Also, little is known about how to interface CBTF amps with broadband active antennas, and with tuned active antennas. In both cases, CBTF amps should lead to improved performance. And also, a thorough and complete study of the relationships between maximum ICP2in and collector current, and between maximum ICP2in and frequency needs to be done for these kinds of CBTF amps. Finally, tuned CBTF amps should be developed to improve the 2nd order performance and wide-spaced 3rd order performance of broadband-front-end solid state receivers, and to overcome the designed-in degraded sensitivity on some or all bands which plagues many solid state receivers.

15

FIRST CLASS
U.S. POSTAGE
PAID
PERRIS CA
PERMIT NO. 120



FIRST CLASS MAIL

32-34
LEE FRESHWATER
414 SE 3rd ST
OCALA FL 34471
USA

THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)
PO Box 1831 Perris CA 92572-1831

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.

CLUB ADDRESSES AND OFFICERS

President: Bill Hardy, 2301 Pacific Ave, Aberdeen WA 98520 (360) 532-6827 (proposals)
Secretary-Treasurer: Ralph Sanserino, PO Box 1831, Perris, CA 92572-1831 (dues/address changes)
Board of Directors: Shawn M Axelrod, Richard Evans, Larry Godwin, Michael S Hardester, John C Johnson (chairman), Patrick Martin and Robert Wien
Editor-in-Chief/Publisher: Ralph Sanserino, PO Box 1831, Perris, CA 92572-1831
Publishing Coordinator: Phil Bytheway, 9705 Mary NW, Seattle, WA 98117

MEMBERSHIP DUES

U.S. - \$25.00 per year. Canada - \$27.00. Overseas Surface - \$28.50. Overseas Airmail - \$35.00 (Central America, Caribbean, Colombia and Venezuela), \$38.00 (Europe, North Africa, Middle East), \$41.00 (rest of the world). Trial Membership - \$9.50 (10 issues of **DX Monitor** and a New Member Packet, U.S. / Canada / Mexico only). Installment rate: two payments of 1/2 dues plus \$1.00 (\$13.50/payment for U.S. members). Make checks and money orders payable to IRCA and send all dues (and address changes) to: IRCA, PO Box 1831, Perris, CA 92572-1831. Persons living outside the U.S., please use International Money Order in U.S. funds. Sample copies of **DX Monitor** are 32¢ (40¢ to Canada) or two International Reply Coupons each and are available from: IRCA, PO Box 1831, Perris, CA 92572-1831.

Unless otherwise noted, permission is granted to publish, broadcast, or otherwise reproduce non-copyrighted material appearing in **DX Monitor** provided credit is given to the IRCA and the original contributor. Opinions expressed in **DX Monitor** are those of the original contributors and do not necessarily reflect those of the IRCA, its publishing staff, editors or officers. ♪