

October 30 1999 - Volume 37 - Number 5 - Edition 1185 - ISSN 899-9733  
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IN THIS ISSUE: CPC tests, Broadcasting Information, Western DX Roundup,  
 Central DX Roundup, DX WorldWide East, DX WorldWide West, Technical  
 Column (part I & II), Hearing it Through the Grape Vine, Geomagnetic  
 Indices, NRC Log Promo  
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CPC DX TESTS SUMMARY  
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CPC Chairperson (IRCA) - Lynn Hollerman - gmhollerman@mindspring.com

- 11/ 7/99 Sun - 0100-0130 - 560 - WGAI - Elizabeth City NC (IRCA)
- 11/ 7/99 Sun - 0200-0700 - 560 - KMON - Great Falls MT (IRCA)
- \* 1/ 1/00 Sat - 0300-???? - 1420 - KSTN - Stockton CA (IRCA)

Sunday, November 7, 1999 - WGAI-560, Elizabeth City, NC will conduct a  
 DX test from 1:00-1:30 am EST. Tones of 1000 Hz and 800 Hz, as well as  
 Morse code IDs, will be used. WGAI will play station jingles between CW  
 IDs. The test will also be broadcast on their Internet audio feed, but  
 only on-air reports will receive a QSL. WGAI will be operating with 500  
 watts, directional pattern during this period. Station phone is  
 (252) 335-0856.

Reception reports may be sent to:  
 Mr. Bob Carter  
 Director of Engineering & Operations  
 WGAI-AM  
 P.O. Box 1408  
 Elizabeth City, NC 27909

E-mail: wgai560am@aol.com  
 WWW: <http://hometown.aol.com/wgai560am>  
 (Arranged by Lynn Hollerman for the IRCA CPC.)

Sunday, November 7, 1999 - KMON-560, Great Falls, MT will conduct a DX  
 test at 12:00, 1:00, 2:00, 3:00, 4:00, and 5:00 am MST. Following their  
 traditional station ID, a 1000 Hz tone followed by a Morse code ID will  
 be broadcast. KMON broadcasts traditional/modern country-western music  
 24 hours a day. KMON will be operating with their full power of 5000  
 watts at this time, with a directional pattern at 23 degrees to the  
 north. Station phone is (406) 761-7600, fax (406) 761-5511.  
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WFAN AM RADIO  
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Reception reports may be sent to:

Attn: Chief Engineer (Lete Connolly)  
KMON Radio  
P.O. Box 3309  
#20 3rd Street N  
Great Falls, MT 59403

E-mail: 560@kmon.com (general)  
lete@staradio.com (engineering)

WWW: <http://www.kmon.com>  
(Arranged by Lynn Hollerman for the IRCA CPC.)

Saturday, January 1, 2000 - KSTN-1420, Stockton, CA will conduct a DX test from 12:00 am - ? am PST (3:00 am - ? EST). Request line - (209)948-1420 - will be open to go on the air with New Year's greetings. The format will be '70s disco music. There will be a prize drawing from all reports received for a souvenir piece of the transmitter.

Reception reports may be sent to:  
Mr. Paul Shinn  
Chief Engineer  
KSTN-AM  
2171 Ralph Avenue  
Stockton, CA 95206

E-mail: [KSTN@broadcast.net](mailto:KSTN@broadcast.net)  
(Arranged by Lynn Hollerman for the IRCA CPC.)

\*\*\*\*\*I \*may\* have a DX test on 890 from SC set up for us - but right now, that's in the planning stage. The engineer, a Powell E. Way, requests that some DXers listen for a station he works at - WKDK-1240, in Newberry, SC . He says he's there on Sunday mornings, like at 5am ELT. He'd REALLY like to hear from DXers - the address I have is 3000 Hazel St. (or P.O. Box 753) Newberry, SC 29108, with a phone # of (864) 276-3337 - the phone # is from the '97 NRC log, so it may be out of date. Please give it a listen if you can!

Also, if you hear a test, PLEASE, PLEASE let me know, via either e-mail or in [rec.radio.shortwave](mailto:rec.radio.shortwave)! And if you send a reception report to a station, please remember to include return postage with your report...

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## FROM THE EDITOR-IN-CHIEF

phil bytheway

### IRCA 1999-2000 TED VASILOPOULOS AWARD BALLOT

Each year, the IRCA membership selects an IRCA member to receive the TED VASILOPOULOS AWARD (TVA). The award was named after Ted Vasilopoulos, a charter member of the IRCA known for his high DX standards and contributions to the club. The award is given to the IRCA member that has made a significant contribution to promoting and keeping the IRCA a thriving club during the 1999-2000 DX season. The winner receives an engraved plaque and a free year SDXM/HDXM membership in the IRCA.

The last 5 TVA winners are not eligible for the award. They are Mike Sanburn, John C Johnson, Pat Martin, Phil Bytheway and Lynn Hollerman. Any other IRCA member can be nominated and last year's winner, Mike Sanburn is coordinating the nominations.

Also up for voting is the Heald Award. The purpose of the Heald Award is to recognize the IRCA member who most benefited the club in a particularly noteworthy way during the previous year (1998-9). Phil Bytheway, Ralph Sanserino, JD Stephens, Lee Freshwater and Nick Hall-Patch are not eligible for the Heald Award. The winner receives a printed certificate. Should the same member win both the TVA and the Heald Award in a given year, he/she would be presented with the TVA, and the runner-up for the Heald Award would receive the Heald Award.

Send the names and a brief description why the person should receive either award to: Mike Sanburn, PO Box 1256, Bellflower CA 90707  
Deadline for receiving nominations is February 1 2000.

From our Publisher Eric: 'I have received word from Voijska Krecic that her brother, IRCA member T. Krecic, passed away in a hospital in his native Slovenia. No other details were received. Our condolences go out to his family.'

Club openings include: DXWW-E Editor (Mark is only a temp), Sports Editor, IRCA Almanac coordinator and DX Records Editor.

Anyone interested in hosting the 2000 IRCA convention, please contact IRCA President Lee Freshwater, 414 SE 3rd St, Ocala FL 34471  
e-mail: LFreshwater@aol.com or LEEFRESH@Broadcast.net FAX: 352-732-7223

Any questions, ALL contributions...  
Contact me at: 9705 Mary NW, Seattle WA 98117-2334 or email:  
philip\_bytheway@mukilteo.hac.com (work), pfalz.d3@juno.com (home)

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### NOTE IRCA DUES STRUCTURE WHEN RENEWING

- SDXM - WORLD - \$10.00
- USA - DXM \$20.00, DXM/SDXM \$25.00
- Canada - DXM \$22.00, DXM/SDXM \$27.00
- Overseas surface - DXM \$23.50, DXM/SDXM \$28.50
- Airmail (Central America, Caribbean) - DXM \$35.00, DXM/SDXM \$40.00
- Airmail (Europe, North Africa, Middle East) - DXM - \$38.00,  
DXM/SDXM - \$43.00
- Airmail (rest of the World) - DXM - \$41.00, DXM/SDXM \$46.00

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IRCA's web site check it out!!  
<http://www.geocities.com/Heartland/5792/>

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## BROADCASTING INFORMATION

Editor: Robert Wien - 1309 Dentwood Dr - San Jose CA 95118  
E-mail: rjwmail@webtv.net

### SECTION 1:

#### FORMAT CHANGES:

- MA Webster WGFP- 940 was talk, sports//WORC, adds Mancow //WORC
- MA Worcester was talk, sports, adds Mancow (AM Drive)
- MS Carthage WSSI-1080 was nx, talk, rptd. silent (to return in December)
- MS Greenville WNIX-1330 was oldies, adds JRN oldies
- MS Hattiesburg WFOR-1400 was silent, now JRN oldies//WHER
- MS Leland WESY-1580 was black gospel, blues, now black gospel

MS Natchez	WMIS-1240	was black gospel, now black gospel, blues//WTYJ
MS Quitman	WBFN-1500	was black gospel, now JRN country//WYKK
MO Kansas City	WHB - 810	was country, farm, now sports//KCTE
NH Manchester	WKBR-1250	was sports, talk, now ABC Real country
NY Albany	WABY-1400	was nx, soft AC, adds talk (Mike Gallagher 9 AM-noon)
NY Newburgh	WGNV-1220	was oldies, now AP nx
OH Middleport	WMPO-1390	was hot AC//WYVK, now ESPN sports
OR Portland	KEX -1190	was AC, talk, now talk (takes Rush Limbaugh and Dr. Laura from sister station KEWS-620)
OR Toledo	KPPT-1230	was oldies, talk, now oldies
BC Victoria	CJVI- 900	was nx, talk, now oldies
MB Winnipeg	CFST-1290	was CIFX, talk and sports, now AS

CALL LETTER CHANGES:

MB Winnipeg	CIFX-1290	becomes CFST "Starlight 1290"
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SECTION 2:

FORMAT CHANGES:

FL Fort Myers	WTLO-1240	was WINK, talk//WNOG, now talk
FL Pine Island Center	WINK-1200	was WTLO, talk, now nx/talk//WNOG
GA Elberton	WSGC-1400	was WWRK, oldies, adds WW1 oldies
KS Mission	KUPN-1480	was classical//KXTR, now JRN regional Mexican
MS Meridian	WFFX-1450	was silent, now talk "Newstalk 1450"
MO Independence	KCTE-1510	was sports, to be regional Mexican (11/1) (its sports format moves to WHB-810)
NC Waynesville	WMXF-1400	was WHCC, WW1 C&W, to be WW1 stds. (10/25)
OK Wewoka	KWSH-1260	was country//KSLE, adds ABC Real C&W//KSLE
OR Stayton	KCKX-1460	was country, now classic country
OR Woodburn	KWBV- 940	was SS hits, now regional Mexican
PA Erie	WFNN-1330	was WFLT, talk, sports, now sports "The Fan"
PR Aguadilla	WWNA-1340	was WNOZ, silent, now trio "Una 1340" (Trio is a Puerto Rican mx style similar to Mexican Ranchera mx)
TX Garland	KAAM- 770	was KPBC, religion, to be stds. (11/1)
TX Woodville	KVLL-1490	was silent, now C&W, oldies, stds.
VA Hopewell	WHAP-1340	was nx//WVNZ, now talk, sports//WLEE
VA Richmond	WVNZ-1320	was WLEE, nx//990, now AP nx (WVNZ nx format that was simulcast moves here exclusively)
VA Richmond	WLEE- 990	was WNVZ, nx, now talk sports (WVNZ calls & format move to 1320, 990 adds Imus in the morning)
WV Charleston	WQBE- 950	was talk, now country//WQBE-FM

FACILITY & PARAMETER APPLICATIONS:

NC Fairview	WTZY- 880	inc. to 5000-D, ND
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FACILITY & PARAMETER GRANTS:

AR West Memphis	KSUD- 730	inc. to 1000/267 DA-2
TX Cleburne	KCLE-1120	move to 1140 khz., 710/850 DA-2
TX Mineral Wells	KJSA-1140	move to 1120 khz.
WA Seattle	KSRB-1150	inc. to 10000/6000 DA-N

NF Gander CKXF-1010 move to 98.7 FM  
NF Grand Falls CKXG- 680 move to 102.3 FM

CALL LETTER CHANGES:

FL Fort Myers WINK-1240 becomes WTLQ "Talk"  
FL Pine Island Center WTLQ-1200 becomes WINK  
GA Elberton WWRK-1400 becomes WSGC  
KY Newburg WNAI- 680 becomes WJIE "Where Jesus Is Exalted"  
MI Saline WDEO-1290 becomes WYBN "Your Business News"  
MO Malden KTCB-1470 becomes KMAL "Malden"  
NC Waynesville WHCC-1400 becomes WMXF  
OK Oklahoma City KBYE- 890 becomes KKNG  
PA Erie WFLP-1330 becomes WFNN "The Fan"  
PR Aguadilla WNOZ-1340 becomes WWNA "Una"  
TX Garland KPBC- 770 requests KAAM  
TX Paris KGDD-1250 becomes KPJC "Paris Jr. College"  
VA Richmond WVNZ- 990 becomes WLEE  
VA Richmond WLEE-1320 becomes WVNZ "News Radio"

Jim Hilliker of Monterey, CA. passes along the following: Radio Mike says Clear Channel management want to get 1460 (KTXS-Salinas, CA.-ed.) in Salinas on the air by late-October! It will be Classic Country format on Jones Sat. Network... Mike is already busy in the computer building the format clock and getting the 1460 AM studio set up at our offices...

Pat Martin of Seaside, OR. Passes along the following:

920 KGHO WA, Olympia back on the air stronger than ever (maybe now 5 KW?) // with mix 96 (96.1 Olympia), Soft Rock favorites. Noted at 1420 EDT 10/2.

Pat also sends along the following: Just read in the Oregonian that KPAM (860, Portland, OR. -ed.) will be changing to News Talk in the Spring / 2000.

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## WESTERN DX ROUNDUP

Nancy Johnson - 265 Waterton Way - Billings MT 59102-7755  
Electronic Mail: Internet: nancyjohnson@uswestmail.net  
WDXR DEADLINES: Each Friday. Please use Eastern Time.

COLUMN #1... REPORTERS FOR THIS ISSUE:

(LG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59804  
lbg@selway.umt.edu  
Hammarlund HQ-150, Sanserino air-core box loop  
(GH) Glen Hansen-3585 SE Franklin St.-Portland, OR 97202  
Hammarlund HQ-145 & 129X, various lingwires, Sanserino box loop  
(PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138-0843  
Drake R8, 1500' E Beverage, terminated  
(NP) Nigel Pimblett-1146 Queen Street-Medicine Hat, AB T1A 1B4  
Kenwood R-5000, KIWA loop and Beverages  
(CR) Craig Rathbone- Denver, CO DXer@aol.com  
Sony 2010 & KIWA loop

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OF SPECIAL INTEREST

1220 (KBNO) CO, Denver will be off the air until Nov. 1 when they will come back on with Christian music and new calls. (CR-CO)

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- 710 KFIA CA, Carmichael snuck through KIRO with ID at 0800 10/4.  
Rarely heard on night pattern. (LG-MT)
- 920 KGHO WA, Olympia back on the air stronger than ever (maybe now  
5kw?) // with Mix 96 (96.1 Olympia), soft rock favorites.  
Noted at 1420 10/2. (PM-OR)
- 940 KWEY OR, Woodburn 9/30 0858 in Spanish, with mentions of  
Woodburn. Into CNN Radio Noticias at 0900. Virtually  
alone on the channel. (NP-AB)
- 1220 KDDR ND, Oakes 10/1 0814 good signal with CBS sports ad, "Dakota  
Country Radio." New. (CR-CO)
- WKNR OK, Cleveland 10/2 0300 strong with sports talk. (CR-CO)
- KMVL TX, Madisonville 10/1 0200 weak to fair with ABC news.  
Slogans were "Star 1220" and "Tell a friend about Star  
1220." Weather at 0206. NOS and oldies like "Mack the  
Knife." Local KBNO off the air. Listed at 11 watts. New.  
(CR-CO)
- 1230 KWIX MO, Moberly 10/2 0124 heard ID and that was about it in the  
jumble. New. (CR-CO)
- KFUN NM, Las Vegas 10/2 strong about every morning now. C&W  
music. (CR-CO)
- 1240 KRDO CO, Colorado Springs 10/2 0910 weather forecast. Slogan is  
"The Jock." (CR-CO)
- 1260 KOIT CA, San Francisco 9/18 0150 female announcer said "Light  
rock with less talk, K-O-I-T" choppy signal on N/S wire.  
Not heard often. (GH-OR)
- KPOW WY, Powell 9/23 0222 good signal with C&W. "More Country."  
(CR-CO)
- 1270 KPLY NV, Sparks 9/18 0200 "K-Play Sparks-Reno" ID into news.  
(GH-OR)
- 1290 KGVO MT, Missoula 9/26 0200 talk with ID, barely caught KGVO ID  
in the slop. Poor signal on E/W wire. (GH-OR)
- 1330 KGAK NM, Gallup moderately strong & alone (prior to KOVE s/on) at  
0753 10/6. I heard commercials for a local business and  
Indian National Finals Rodeo, in mixed English and (I  
assume) Navajo. Format was C&W. (LG-MT)
- KOVE WY, Lander brief s/on with bird tweet, weak but on top at  
0800 10/8. (LG-MT)
- 1380 KTKZ CA, Sacramento 9/29 0201 "Talkradio that makes a difference,  
KTKZ Sacramento" into news. Fair signal on SW wire.  
(GH-OR)
- 1390 KBBO WA, Yakima 9/27 2200 ID as "Today's Christian Radio, 1390  
KBBO." (NP-AB)
- 1400 KQMS CA, Redding 10/2 0900 the dominant station had a few seconds  
of dead air (missing ID?), allowing the KQMS ID through  
"Newstalk 1400, KQMS, Redding." New for me. (NP-AB)
- 1420 KITI WA, Chehalis 9/30 1114 oldies music with a local woman DJ  
mentioning the call letters a couple of times. I can  
finally move this one off my tentative logging list.  
(NP-AB)
- 1450 KBKW WA, Aberdeen 9/30 1300 nice clear legal ID "Serving all of  
Grays Harbor, this is KBKW, Aberdeen." New for me.  
(NP-AB) (Maybe there is hope after all that I'll hear this  
one.--NJ)
- KSUH WA, Puyallup 9/30 0300 Korean vocal, ID for KSUH and KWYZ  
1230 in English and Korean, then back into Korean music.  
(NP-AB)
- 1490 KDBM MT, Dillon 9/26 0308 came up strong right for the ID.  
Haven't heard them in a long time. (CR-CO)

- 1620 KSMH CA, Auburn 9/21 0155 has also been very strong lately over KOIL. Global Catholic Radio. New. (CR-CO)
- KOIL NE, Bellevue finally heard call change from KAZP at 0555-0601 10/4 with ESPN net, ID at 0559:50 as "ESPN 1620, KOIL Bellevue" into net news. (PM-OR)
- 1640 KDIA CA, Vallejo 9/21 0130 has been very strong lately with Catholic Family Radio. (CR-CO)
- 1650 KGXL CA, Torrance 9/21 2250 NOS oldies with "Great music and memories" ID, moderate signal on E/W wire. (GH-OR)  
+10/5 0322 good signal mixing with a usually strong KDNZ. NOS music. New. (CR-CO)
- 1680 WTIR FL, Winter Garden 9/20 0229 very strong with "Travelers Information Radio." Many mentions of Orlando. Gleco ads and mentions of Florida Dept. of Transportation. (CR-CO)

UNIDS

- 1330 S/on at 0900 10/8, giving day power of 5kw and night of 500 watts. I suspect KMBI. (LG-MT)
- 1490 Spanish-speaker with up-beat music (not religious) at 1000 19/7, mixing with KEYG-WA. Possibly KWAC-CA or KUGR-WY, which I've heard in Spanish. Surely not KYFO, which is Spanish-religious, (LG-MT)
- 1660 9/20 0244 very strong with ESPN sports talk. Way over KXOL, but never heard any ID through the top of the hour. Have not heard them since, is this the Waco station? (CR-CO)

Hope that everyone is taking advantage of the good DX conditions of late!

COLUMN #2... REPORTERS FOR THIS ISSUE:

- (AB) Art Blair-507 Canyon Terrace Lane-Folsom, CA 95630  
NRD-515 and KIWA loop
- (GH) Glen Hansen-3585 SE Franklin St.-Portland, OR 97202  
HQ-145, 80' longwire  
(GH-OR1) on Dxpedition to Seal Rock, OR Oct. 1-4, 1999
- (PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138-0843  
Drake R8, EWE (U) antenna, 1500 Eastern Beverage
- (CM) Curtis McMenamin-667 Corte Castron-Vacaville, CA 95688
- (BN) Bill Nittler- nittlers2@juno.com  
(bp-WA1) Bruce Portzer-DX'ing at Kalaloch, WA Sept. 25-26, 1999  
Drake R8A, 2500' terminated Beverage Beverage at 260 degrees, 2000' unterminated Beverage at 160 degrees
- (DS) Dan Sys-27423-32nd Avenue-Langley, BC V4W 3J3  
GE Superadio II, Sangean CC radio
- (RW) Robert Wien-1309 Dentwood Dr-San Jose, CA 95118 rjwmail@webtv.net  
GE Superadio, Select-A-Tenna, HQ-180A, Radio West loop  
(RW-CO) DX'ing from Colorado Springs, CO with GE Superradio

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OF SPECIAL INTEREST

- 610 KSVB NM, Albuquerque is the city, ex-KZSS, now religion. (BN-CO)  
+10/5 0107 good with ID "Tell them you heard about it on KSVB" then Rainbow Christian Radio Global Minute, into Gospel music. Religious format now. (RW-CO)
- 670 KIRN CA, Simi Valley good over/under KPUA with ID as "Radio Iran, KIRN, 670 AM..." Back into Iranian pop music at 0234 10/11. (PM-OR)
- 1240 KLTH CA, San Bernadino 10/12 0755-0800 good signal over mess with ad for Sears Texture Coating, ID as "K-Light," into

Michelle Connors talk show // KLTX-1390 Long Beach. Call change, ex-KKLA. (RW-CA)

1700 WAFN FL, Miami Springs 10/12 fair under/over Texas with "One on One Sports," ID at 0558. At 0606 mention "On Florida Sports" and "1700 The Fan" ID. Now I have (including call changes) all the X banders again. (PM-OR)

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530 TIS OR, Jewell, Jewell Meadows Wildlife Area 9/26 1102 good with message about area wildlife & mention of highway 202. (bp-WA1)

550 KGME AZ, Glendale 10/5 0109 good with ID "SportsFan Radio 550, the sports expert in Phoenix." (RW-CO)

KUZZ CA, Bakersfield 10/12 0314 coming in good with country music. (CM-CA)

560 KPQ WA, Wenatchee 10/2 0300 weather report into talk show. Haven't heard this one for a while. Excellent signal, like a local. (GH-OR1)

560 KLZ CO, Denver 10/5 0130 good with PAMS-type sung jingle "TGIF, Thank Goodness It's Fun Radio, AM 56, KLZ!" NOS format. (RW-CO)

570 WNAX SD, Yankton 10/5 0128 good thru mess with ID "570, WNAX," then song "Chattahoochee." (RW-CO)

KLIF TX, Dallas 10/8 0234 good with ad for hamburger restaurant near SMU, ad for training at Richland College, ID "Here's the Fox weather forecast, on 570, Cliff." (RW-CO)

580 WIBW KS, Topeka 10/8 0230 good with ID "AM 580, WIBW," another ID "AM 580, WIBW invites you to tune into the Catholic Way, Sunday mornings 9:25 to 10:10, on AM 580, WIBW." (RW-CO)

590 KCSJ CO, Pueblo 10/5 2007 good with ID "This is newsradio 590, KCSJ, Pueblo." (RW-CO)

600 KNRO CA, Indio 9/25 2304 dominant on south wire with C&W oldies and call ID. (bp-WA1)

WREC TN, Memphis 10/5 0134 poor under unID (KOGO?) with "600, WREC" ID. (RW-CO)

610 WDAF MO, Kansas City 10/8 0228 good with ID '61 Country Accu-weather forecast," ID "It's 58 degrees here in Kansas City at 61 Country." (RW-CO)

KONA WA, Kennewick 10/2 0315 NOS music mixing with unID Spanish speaker. (GH-OR1)

620 ?KAAM? TX, Plano 10/8 0226 good over mess with ID "Radio Disney, we're all ears!" virtually unnullable. (RW-CO)

670 KLTT CO, Commerce City 9/27 0720 woman with religious talk, good but well under KBOI. (AB-CA)

730 KLOE KS, Goodland 10/5 2042 good with ad for Goodland Grain Line and St. Francis Equity & Grain Storage, then Colorado Avalanche hockey broadcast. (RW-CO)

730 KBSU ID, Boise 10/7 2115 good, alone with ID "Your jazz station, AM 730, KBSU, and ???, Twin Falls." (RW-CA) (10/12 2300 I heard similiar ID on KEZJ-1450. ""You're listening to Idaho's Jazz station, KBSU AM Boise... KEJZ in Twin Falls."--NH)

750 KXKL OR, Portland 10/12 0330 coming in good with newstalk. (CM-CA)

760 KFMB CA, San Diego 10/1 2330 caught news and ID. Fair signal. (GH-OR1)

KTLK CO, Thornton 9/23 0800 fair signal over/under KFMB with satellite Bloomsburg Morning Show. Legal ID finally heard on this longtime tentative catch. New. (DS-BC)



WJR MI, Detroit 10/8 0121 unexpectedly strong in KRZN null with ID "This is the Midnight Cowboy Trucker's Network on 760, WJR." (RW-CO)

920 KVEL UT, Vernal 9/30 0840 woman with KVEL ID. (AB-CA)

930 WKY OK, Oklahoma City 10/5 0137 strong with ID "Your home for Ken Hamlin (?), Talkradio 930, WKY." Over KRRKY. (RW-CO)

940 KIOA IA, Des Moines 10/5 0140 good over Tucson with ID "Oldies 93.3, KIOA," promo to visit the KIOA website at KIOA.com, ID "Good times hit radio, KIOA." Did they change calls back to KIOA ex-KXTK or just simulcasting FM? (RW-CO) (I was listening to this one 10/9 and also heard KIOA mention. ID given at 0000 was "AM 940, KXTK, Des Moines" so must be simulcasting.--NJ)

CJGX SK, Yorkton 10/7 0853 with C&W music, fair/good but well under KFRE. (AB-CA)  
 +10/8 0206 good with ad for Phil's Fishing Supply of Yorkton, ID "GX 94." (RW-CO)

960 KABL CA, Oakland 10/1 0100 music programming and ID. New log. (GH-OR1)

KNDN NM, Farmington 10/5 2107 good with ID "KNDN 960 AM, Farmington, New Mexico, all Navajo, all the time." Over unID CNN station. (RW-CO)

970 KBBK ID, Rupert 10/1 0855 man with KBBK ID. (AB-CA)

980 CKNW BC, New Westminster 10/2 0330 talk show about gas prices. (GH-OR1)

1040 CKST BC, Vancouver 10/1 talk program with legal ID. (GH-OR1)

1080 KOTK OR, Portland 10/15 2120 under KRLD with numerous call ID's, "Red Hot News for the Central Coast." (BN-CO)

1130 KRDU CA, Dinuba 10/12 0400 coming in poor with Gospel program. (CM-CA)

CKWX BC, Vancouver 10/12 0400 coming in good with CKWX ID's. (CM-CA)

1140 KSOO SD, Sioux Falls 10/8 0139 fair over mess with ad for jobs at careforcars.com, weather for Sioux Falls, ID "When you need to know the weather, keep it on 11-4-oh, KSOO." (RW-CO)

1170 KLOK CA, San Jose 10/12 0410 coming in good with KLOK ID's. (CM-CA)

1180 KYET AZ, Williams 10/2 0400 barely caught ID mixing with KOFI. (GH-OR1)

1190 ?KVSV? KS, Beloit 10/5 2053 good with weather for north central Kansas and south Nebraska, YL, ID "62 degrees here at KVSV." (RW-CO)

1210 KUNF UT, Washington 10/5 0115 good over KGYN with ID "Unforgettable AM 1210." (RW-CO)

1220 CJOC AB, Lethbridge 10/2 0420 C&W music with legal ID. Great signal. (GH-OR1)

1230 KWG CA, Stockton 10/12 0400 coming in poor with ID and Catholic Radio format. (CM-CA)

KFUN NV, Las Vegas 10/9 0110 loud ID with "Fun Country KFUN." (BN-CO)

1280 KDYL UT, Salt Lake City 10/5 0118 totally dominant, virtually unnullable with no trace of Denver just 60 miles away! ID "AM 1280, KDYL." This booms into San Jose too. My 1280 dominant usually... (RW-CO)

1324 KFLS OR, Klamath Falls 9/26 0846 spurious emission from KFLS-1450. Rock hits, "Good Times Great Oldies" slogan and "KFLS 1450" ID's. Good signal but fadey with buzz on upper side of signal. (bp-WA1)

- 1340 KTCR WA, Kennewick 10/7 2343 man with legal ID and station information. (AB-CA)
- 1350 KGHF CO, Pueblo 10/5 0100 good with ID "Unforgettable AM 1350, KGHF, Pueblo." (RW-CO)
- CKCI BC, Parksville 10/4 1400 local programming has been dumped and this station now simulcasts CKEG-170 Nanaimo and its oldies format. ID's as "The new GTO." (DS-BC)
- 1390 KLGN UT, Logan 10/10 0812 big band music, legal ID at 0814. KTKZ slop. (AB-CA)
- 1400 KKTL WY, Casper 10/13 0940 "Business for Breakfast Show on KKTL the Talk Station." (BN-CO)
- 1430 KFIG CA, Fresno 10/6 0949 sports and ID. Station is now all sports including ESPN, Oakland Raiders, San Jose Sharks, Los Angeles Lakers, and may have NASCAR and San Francisco Giants in 2000. New slogan is "The Big Dawg." They have been all sports since September 13, 1999. New address is POB 26945, Fresno, CA 93729. (AB-CA)
- 1450 KMCA CA, Shasta 10/5 2359 man with "AM 14-50 KMCA" ID. (AB-CA)
- KHIT NV, Reno 10/6 ad for business in Sparks, local weather, well under unID religious station. (AB-CA)
- 1470 KKTY WY, Douglas 10/8 0221 good over mess withr ID "Classic 1470, KKTY," oldies format. Splash from 1460-CO. (RW-CO)
- 1480 KYOS CA, Merced 10/1 some kind of talk show barely on top of the slop. Very weak signal, choppy. New log. (GH-OR1)
- KQAM KS, Wichita 10/5 2100 good with ID "One on One Sports, is on KQAM, Wichita, your Jayhawks station," another ID "Stay entertained with Terry Cornhauser on the sports animal, 1480, KQAM." (RW-CO)
- 1540 KZMP TX, Fort Worth ID on hour 10/4 0100 then with many "La Zeta" ID's and Spanish programs. (BN-CO)
- 1550 KQWB ND, West Fargo 10/8 0200 back on air? ID "1550 AM, West Fargo, it's i:00," NOS format. Just over mess. ID later as "Great songs, great memories, AM 1550, KQWB." (RW-CO)
- KMRI UT, West Valley City 10/8 0242 good with ID "Talk Back, at 9:30am, here on 1550, KMRI," faded into mess. (RW-CO)
- 1560 KNZR CA, Bakersfield 10/12 0427 coming in good with newstalk. (CM-CA)
- 1570 CKEG BC, Nanaimo 10/4 0900 has abandoned their longtime C&W format to become oldies. "Favourites of the 60's and 70's...The new GTO...Good time oldies." Call letters remain CKEG though. (DS-BC)
- 1600 KGST CA, Fresno 10/8 0142 surprisingly strong with ID "K-heh-esse-teh, la super 16." (RW-CO)
- 1630 XEUT BCN, Tijuana very strong here daily SSS and SRS...they give an address at s/off but I'm not good enough with the Spanish. (BN-CO)
- 1680 WTIR OR, Winter Garden 9/25 2350 good with various ads & other announcements, call ID, mention of being on a test. (bp-WA1)
- 1700 KTBK TX, Sherman 9/25 2355 atop with talk show, ID as "KTCK Dallas-Ft. Worth and KTBK Sherman-Dennison." (bp-WA1)

UNIDS

- 530 10/8 0108 ID "Radio Vision Christiana." Is this the Caribbean station?? (RW-CO)
- 810 10/5 0125 good on top looping E-W with sports talk. WHB? (RW-CO)

- 1290 10/5 2105 good looping E-W with ID "You're listening to Real Country." KWLS-KS? (RW-CO)
- 1220 10/8 0249 looping NNE/SSW with soft classical music, possibly CJRB-MB? Weak and fadey, KRDO-1240 splash. NOS station very weak to east in classical music's null. (RW-CO)
- 1360 10/8 0246 good with Radio Unica format. Dallas? Looped ESE/WNW. (RW-CO)
- 1410 10/8 0219 looping NE/SW with ID "Here's Los Bravos, on Oldies Radio." KRIL or WIZM? Faded to unID Larry King. (RW-CO)
- 1440 10/5 2055 unID good with Texas Rangers baseball vs Yankees (Rangers network), good, alone. (RW-CO)
- 1550 10/8 0150 good over mess looping ESE/WNW with Gospel music "I Will Dwell in the House of the Lord," unID talk show underneath. (RW-CO)
- 1560 10/8 0146 good with ID "Radio Viva." XEJFV? (RW-CO)
- 1590 10/8 0217 ID "K?XX, Waite Park-St. Cloud," faded into mess. MN? (RW-CO)
- 1600 10/8 0145 good with Jefferson High vs Xavier High football, looping NE. Mentioned Iowa state championship so assume it was KCRG-IA? (RW-CO)

Hope that everyone has been able to DX, as conditions are good!

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 IRCA 1999-2000 "Call Letter Scrabble" DX Contest  
 Standings as of October 15, 1999

1. Pete Taylor	381	4. Nigel Pimblett	197
2. Nancy Johnson*	242	5. Lynn Hollerman	68
3. John C. Johnson	206	6. John Tudenham	26

There is still time to join this years contest! \*Not eligible for prize, just joining in on the fun.

\*\*\*\*\*

## CENTRAL DX ROUNDUP

Editor: John C. Johnson - 265 Waterton Way - Billings MT 59102-7755  
 E-Mail: John\_Johnson@prodigy.net  
 CDXR reports ONLY: cdxr@prodigy.net

COLUMN #1... RIDING GAIN

- [EB-MO] Eric Bueneman (NOUIH), Hazelwood, MO NOUIHEric@aol.com  
GE Superadio III.
- [KDF-IL] Karl D. Forth, Chicago, IL KForth@fdmmag.com  
Drake R8, Hammarlund HQ-160, Icom IC-R70, Spiral Loop.
- [KDF-MN] Karl DX'ing while traveling in St. Cloud and Brainerd, MN  
with a '99 Chevy Malibu radio.
- [TMJ-IL] Tom Jasinski, Shorewood, IL amdxr@corecomm.net  
Drake R8A, Quantum loop.
- [NJ-MT] Nancy Johnson, Billings, MT nancyjohnson@uswestmail.net  
Yaesu FRG-7, "Radio West" loop. Or the 1995 Mustang radio.
- [TN-WI] Tim Noonan, Madison, WI DXing@webtv.net  
Kenwood R-1000, "Radio West" Loop.
- [JcJ-MT] Your editor using an Icom IC-R71A with a "Radio West" loop.

DOWN THE DIAL

- 580 WGAC GA, Augusta. 10-1 fair to poor over others with slop from KFNS-590. 06:07 noted with EDT TC, local spots, calls and traffic report. [EB-MO]
- 670 WWFE FL, Miami. 10-1 fair to poor in WMAQ null. 05:59 noted with "Radio Fe" ID, local news, and spots in SS. [EB-MO]

690 WOKZ FL, Jacksonville. 9-15 good. 00:00 with legal ID and CBS News. Last heard as WPDQ in 1989. [TN-WI]

850 WRMR OH, Cleveland. 10-1 good to poor in KOA null. 05:15 noted with Adult Standards, local spots, mention of "The Music Of Your Life," "AM 8-50 WRMR" ID's. 50kW day CP is now on, per promo heard. [EB-MO]

880 KJOJ TX, Conroe. TENTATIVE. 9-24 fair in WCBS null. 20:15 with local high school football game, Caney Creek vs. Willis. No ID heard. [KDF-IL]

960 KCGS AR, Marshall. 10-1 good. 21:45 with Marshall Bobcats football, ID, local spot. Thanks to Bill Dvorak for the tip! AR#20. [TN-WI]

1080 KYMO MO, East Prairie. 10-2 good signal, briefly on top. 19:57-20:00 with One-On-One Sports. ID on the hour. Lost to KRLD. [TMJ-IL]

1140 KZMQ WY, Greybull. 10-4. 16:59 with ID into country music. [NJ-MT]

1180 KYET AZ, Williams. 10-6 completely over KOFI. 22:45 with call during promo, "The all new KYET 11-80 AM" back to "The Dugout" baseball talk. [NJ-MT]

1230 KBTM AR, Jonesboro. 10-3 briefly above GY mess. 06:00 with legal ID, [EB-MO]

WMLR TN, Hohenwald. 9-19 fair. 21:00 with legal ID into ABC News. One of my best GY catches ever from Madison! #10 on 1230. [TN-WI]

1300 WQPM MN, Princeton. 10-2. 12:15 with country music, "The new Bob, 106.1" slogan. [KDF-MN]

1360 KKMO WA, Tacoma. 10-6 through a jumble of stations. 22:59 with local spot, ID ".. 13-60 KKMO Tacoma, 8-20 KGNW Burien, Seattle." [NJ-MT]

1360 KOHU OR, Hermiston. 10-6. 23:05 at end of ABC News with weather, "AM 13-60 KOHU, the pride of country music." [NJ-MT]

1390 KBBO WA, Yakima. 10-7 strong. 21:59 with ID "You're listening to today's Christian radio 13-90 KBBO Yakima." [NJ-MT]

KXSS MN, Waite Park. 10-5. 12:42 with '60s oldies, "Music Of Your Lifestyle" slogan and "KXSS Waite Park, Saint Cloud" ID. [KDF-MN]

1400 KEYL MN, Long Prairie. 10-5. 13:49 with country standards, ID as "Real Country KEYL 1400." [KDF-IL]

1490 KXRA MN, Alexandria. 10-5. 14:05 with Rush Limbaugh, ID, "People Radio" program. [KDF-MN]

1580 WZZJ MS, Pascagoula. 9-17 fair to good. 22:15 with Panther football game, ID, local spots. Thanks to Bill Dvorak for the tip! [TN-WI]

1600 KLLZ MN, Walker. 10-2 and again 10-5. Not heard from several locations including Brainerd where they share an office with KVER-1340 and KLIZ-1380. [KDF-MN]

1630 KKWY WY, Fox Farm. 10-5 weak through a nulled KCJJ. 22:59 with "KKWY AM 16-30 Fox Farm, Cheyenne" ID. [NJ-MT]

+10-7 weak to good in KCJJ null. 03:45 with country music, legal ID at 03:58 "KKWY AM 16-30 Fox Farm, Cheyenne." Finally enough for a report. KKWY has been unheard here up to this past week. Still not very strong. KXOL-1660 still the strongest expanded band station into Billings. [JcJ-MT]

1680 WTIR FL, Winter Garden. 10-7 fair with WTTM in WJNZ null. 03:11 noted with Orlando spots, station promos, and "TIR" slogans. #600 from this location! [EB-MO]

UNID

620 unID 10-7 unID in very good to fair over Cuba. 04:15 noted with frequent "62 Cool" slogans, oldies ('50s-'70s), local spots included one for A&W. I think this could be WKNI Lexington, AL. [EB-MO]

UNID HELP

1070 unID [TMJ-IL]'s unID Latian station on 10-1. Charles A. Taylor ctaylor@GRN.IBB.GOV sends along this information. WNCT-1070 Greenville, NC is the Latino that Tim heard on 10-1 and perhaps operating on their daytime pattern. Letty's Mini-Mart is what you heard. This station did quite a job informing the Hispanic community during hurricane Floyd. Thanks Charles!!

OPEN MIKE

The most dangerous thing in the world is to try to leap a chasm in two jumps. This CDXR is part of the bonus SDXM issues this season. 73, John

COLUMN #2... RIDING GAIN

[LH-LA] Lynn Hollerman, Lafayette, LA gmhollerman@mindspring.com  
Yacht Boy with internal antenna  
[TMJ-IL] Tom Jasinski, Shorewood, IL amdxe@corecomm.net  
Drake RBA, Quantum loop.  
[NJ-MT] Nancy Johnson, Billings, MT nancyjohnson@uswestmail.net  
Yaesu FRG-7, "Radio West" loop. Or the 1995 Mustang radio.  
[TN-WI] Tim Noonan, Madison, WI DXing@webtv.net  
Kenwood R-1000, "Radio West" Loop.  
[JJR-WI] John J. Rieger, South Milwaukee, WI johnrieger@webtv.net  
Icom IC-R70, FRG 100, Kiwa Loop, MFJ-959B, DSP599zx.  
[JcJ-MT] Your editor using an Icom IC-R71A with a "Radio West" loop.

SPECIAL INTEREST

1660 KRZX TX, Waco. 10-9 with lots of interference. 23:45-23:48 with mentions of central TX, Dallas Cowboys Radio Network ID into "Sports Radio ESPN" jingle and ESPN Sports. [LH-LA]

DOWN THE DIAL

670 KLTT CO, Commerce City. 10-10 weak in KBOI null, no sign of dominant WMAQ. 00:50 with "Through The Bible" program, 00:59 promo mentioned "KLT" and slogan "Christian Radio University." First time heard here! [JcJ-MT]  
690 WTIK LA, New Orleans. 10-16 fair, steady. 07:34 with "All new WTIK." [JJR-WI]  
810 WAPB TN, Murfessboro. TENTATIVE. 10-7 fair to poor. 08:20-08:45 with SS programming, several spots for businesses in Cuidad De Columbia, Tennessee! Columbia is located about 50 miles SW of Murfeesboro. [TMJ-IL]  
WCTA TN, Alamo. 10-6 good. 20:00-22:00 with local spots, country music. Again on 10-8 at 22:00 with Cavillers football. Appears to be dominant in N/S loop. [TMJ-IL]  
850 WYDE AL, Birmingham. 10-6 good, no sign of KOA during aurora like conditions. 21:00 with Radio Disney. [TMJ-IL]  
940 CJGX SK, Yorkton. 10-4 poor. 05:04 with Broadcast News, local sports, weather. "GX-94" slogan. Country format. [JJR-WI]  
KXTK IA, Des Moines. 10-10 01:41 with "Oldies 93.3 KIOA" ID and 02:00 legal ID "AM 9-40 KXTK Des Moines" followed by a "Oldies 93.3" jingle. [NJ-MT]  
1070 WNCT NC, Greenville. 10-14 good signal over WTSO and WIBC. 22:00-22:20 in SS with Mexican style music. Good ID with call

letters at 22:01 "Con dece mil watts potencia" and "Radio La Fabuloesia" (Radio Fabulous) slogan. Later faded under WIBC, but still audible with music. [TMJ-IL]

1080 KNDK ND, Langdon. 10-6 surfaced over KYMN. 07:25-07:30 with weather, brief news, call letters. Unneeded. [TMJ-IL]

1090 KNWS IA, Waterloo. 10-14 fair to poor. 19:29 with information on Northwestern College, then sign off with mention of FM-102. [TN-WI]

1120 KANN UT, Roy. 10-10. 21:58 with "KANN Roy" legal ID. [NJ-MT]

1300 KVOR CO, Colorado Springs. 10-17. 01:29 with ID between oldies. [NJ-MT]

1370 KSOP UT, South Salt Lake City. 10-16 fair with CFOK nulled. 21:11 with ID. [NJ-MT]

1450 KBBS WY, Buffalo. 10-11 atop 1450. 21:06 with ID after weather. [NJ-MT]

KEST CA, San Francisco. 10-12. 23:00 with legal ID. [NJ-MT]

KEYY UT, Provo. 10-11. 22:59 with woman giving web site address www.keyy.com and phone number 374-5120. [NJ-MT]

KEZJ ID, Twin Falls. 10-12. 23:00 ID "You're listening to Idaho's jazz station, KBSU AM Boise, KEZJ in Twin Falls." Faded out. [NJ-MT]

KGIW CO, Alamosa. 10-12 weak through mess. 22:00 ID "All oldies, all the time. KGIW 14-50" into ABC News. [NJ-MT]

KVOW WY, Riverton. 10-12 strong. 21:00 ID "AM 14-50 KVOW Riverton" into ABC News. [NJ-MT]

KVSI ID, Montpelier. 10-11. 21:05 with what sounded like a sign off for the station. "...operates on the assigned frequency of 1450 kilohertz with 1000 Watts of power... on behalf of the staff and management, KVSI... tomorrow at 6 a.m." [NJ-MT]

1460 KLTC ND, Dickinson. 10-12. 00:13 with "Real Country KLTC" slogan. [NJ-MT]

1470 KWSL IA, Waverly. 10-4 poor through WMBD. 03:05 with "Oldies 14-70" and finally a "KWSL" after 45 minutes of listening to this unneeded. [JJR-WI]

1530 WSAI OH, Cincinnati. 10-10 strong and clear with KFBK nulled. 21:02 at end of religious program with ID "This is the station that plays the original hits all day, this is 15-30 WSAI Cincinnati, Ohio" into another religious program. [NJ-MT]

1550 KYCY CA, San Francisco. 10-10. 00:59 with "Yadda, Yadda Radio 15-50 KYCY San Francisco." [NJ-MT]

1590 WTVB MI, Coldwater. 10-16 fair to poor with fades. 06:33 with lite AC, "AM 15-90 WTVB" ID. [JJR-WI]

1680 WJNZ MI, Ada. 10-17 weak, brief periods of good. No WTIR. 01:15 with rap and R&B music. 01:24 "WJNZ Ada, Grand Rapids" legal ID. New for both of us. [JcJ+NJ-MT]

CORRECTION

1620 KAZP NE, Bellevue. My 10-3 reception of KAZP was listed as being KOIL. As per the verification from KAZP, on 10-3 the official calls were KAZP. [JcJ-MT]

UNID

740 unID 10-16 poor, looping E/W. 07:23 unID with '60s/'70s SOL oldies. Any ideas? [JJR-WI]

1190 unID Who is using the slogan "The Mighty 11-90" and playing oldies? [TN-WI]

25 YEARS AGO

October 26, 1974 issue of IRCA's "DX Monitor" ... HM3 Mike Hardester of U.S. Naval Hospital, San Diego, CA said he was 24, single, and had just completed the Navy Neuropsychiatric Tech school at Oakland and was not in San Diego for duty ... Bill Harang of San Jose, CA told about his 20 minute talk with the PD of KMBY-1240 ... John Zondlo of Muncie, IN told about his new job at WWHC 104.9 Hartford City, IN.

OPEN MIKE

The desire to seem clever often keeps us from being so. Have you joined this year's DX contest? 73, John

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## DX WORLDWIDE EAST

Mark Connelly - 30 William Rd - Billerica MA 01821-6079

E-mail: WAIION@ix.netcom.com

Summary of "Massachusetts Parallel Effort to Newfoundland DXpedition 1999" - Mark Connelly, WAIION

Receiver: Drake R8A

Antenna system: cardioid array with BBL-1 broadband loop, AWP-1 whip, prototype Superphaser-2 phasing unit

First Part - East Harwich, Cape Cod, MA (70.021 W / 41.713 N)

Conditions were moderately auroral, causing northern Europeans to be poor. Best European signals were from Spain. Latin American signals were numerous, though rare catches were not to be found.

\*\*\* 16 OCT 1999: 0222-0359 UTC \*\*\*

Italy-846, Algeria-891, Spain-954, unID's-940 (taped for later analysis), Spain-1296, Saudi Arabia-1521 loud, unID-1529.54, Ceuta-1583.6, VOA Sao Tome-1530, Azores-836, Spain-855, St.Kitts-Nevis-830, Venezuela-750

\*\*\* 16 OCT 1999: 0400-0505 UTC \*\*\*

Cuba-950, Venezuela(Coro)-780, Mexico-730, Colombia-700, Anguilla-690 o/prob. Colombia, Spain-684, Jamaica-700, Cuba-710

\*\*\* 16 OCT 1999: 0958-1102 UTC \*\*\*

Cuba-640, Cuba-890, Puerto Rico-630, Cuba-620, Cuba-600, ZLS Bahamas-526, Cuba-570, Cuba-670, Mexico(t)-1030 u/ WBZ, Mexico-760, Mexico-540

Second Part - Duxbury, MA (70.651 W / 42.047 N)

Conditions continued somewhat auroral with strong signals from Spain, Morocco, Algeria, Azores, and the Canary Islands. Latin Americans, starting with Brazil, started rolling in right at sunset. By midnight UTC, most of the best potential DX had been logged and conditions were returning to more normal, with Canadians gaining strength. I was dividing my listening time between DXing and the Red Sox - Yankees baseball game on WEEI-850 (Sox won 13-1 ... yeah !)

\*\*\* 16 OCT 1999: 2125-2131 UTC \*\*\* (pre-sunset)

Canaries-Spain-1179, Ceuta-1583.6, Saudi Arabia-1521, Morocco-1044

\*\*\* 15 OCT 1999: 2207-2259 UTC \*\*\*

Azores-836, Canaries-Spain-882, Brazil-760, Western Sahara-711.04,

Spain-684, Spain-639, Spain-729, Algeria-1550, Canaries-Spain-747, Brazil-690, Venezuela-670, Bermuda-1160, Spain-1134, Spain-1125, unID-1125.5 weak het, Spain-1116, Venezuela-1110, Spain-1107, Canaries-Spain-621, unID SS-1100.8, Brazil-1100 o/Antigua, Spain-1098, Angola-1088, Venezuela-1080, Spain-1071, Venezuela-1200 o/WKOX, Venezuela-1090

\*\*\* 16 OCT 1999: 2300-2359 UTC \*\*\*

Venezuela-640 o/Guadeloupe, unID (religious ?)-1062, Spain-1053, Spain-1026, Brazil(t)-1010, Canaries-1008, Spain-999, Venezuela(t)-1000, Algeria-981.11 (measured freq.) huge signal, Portugal-963, Spain-954, Spain-918, Venezuela-910, St. Kitts-Nevis-895, Spain-873, Canaries-Spain-837, Spain-1296, Spain-603, Spain-855, unID (Tunisia ?)-585.2 hetting Spain-585.0, St. Kitts-Nevis-555, Algeria-549, Grenada-535, RVC Turks & Caicos way o/ unID EE - 530, Puerto Rico-630, Gambia-648 o/Spain, Anguilla-690, Venezuela-690, Spain-801, Venezuela-1020, Morocco-1053, Colombia-1170, Spain-1197, Venezuela-1210 (w/ 600 Hz het behind), Libya-1251, Spain-1305, St.Pierre-Miquelon-1375, Venezuela-1500

Third Part - Will be conducted later this week on a sunset-period after-work outing. This might be on Wednesday from Granite Pier in Rockport, MA.

Some additional DX may be done from home in Billerica, MA if Norway-1314 and the other high-band Europeans return over the next week.

A full-data log report for the entire Parallel Effort period shall be e-mailed to various clubs, Internet list servers, and active DXers by Sunday, 24 OCT. The report will also be accessible via the Newfoundland

I've posted some additions to the Newfoundland Dxpediton Page (URL below) based on Jean Burnell's latest updates.

Significant are the following facts:

1. The DXpediton guys have heard Falklands-530 and Tanzania-1377!
2. Based on their information, a station I heard on Saturday night at the Duxbury, MA site on 1062 kHz with apparent English talk of a religious nature may well have been the Nigerian.
3. Bruce Conti's Maine DXpediton logs, plus an initial look at my loggings are listed in a "Parallel DX Efforts" section of the Web page.

<http://members.xoom.com/MarkWAIION/nfdxpage.htm>

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## DX WORLDWIDE WEST

Pat Martin - PO Box 843 - Seaside OR 97138  
E-mail: mwdxer@webtv.net

Column #1. Hi everyone. TA conditions seem to be improving. Norway-1314 has made a showing and also Nigel Pimblett has logged some LA TA's.

### TRANS-ATLANTIC DX ROUNDUP

- 162 FRANCE, Allouis 0215 10/6, prog in FF and EE pop songs, inc one by Pink Floyd. Nice signal, best hrd in a couple of years. (NP-AB)
- 183 GERMANY, Saarlouis, Europe No. 1 0223 10/6. Presumed the one in FF w/discussion by man and woman. Much weaker than 162 (NP-AB)
- 189 ICELAND, Gufuskalar, Rikisutvarpid 0210 10/6. Almost local strength with various music styles and Icelandic talk by man



losting some program. Over the past couple of weeks, this has become regular. (NP-AB)

- 1314 NORWAY, fair to weak with light Jazz at 0445 10/9. The best hrd in a couple of years. No sign of any other TAs though. (PM-OR)

#### PAN-AMERICAN DX ROUNDUP

- 530 TURKS & CAICOS, RVC strong at times in SS 0430 9/26 (bp WA)  
1110t MEXICO, Cd Juarez XEWR 0318 9/28, tent. the one with oldie tunes in EE and a quick EE slogan IS as "Classic 11-10. Hrd through usually dominant KFAB (NB-AB)  
1200 UNID, presumably Mexican w/ranchera & nortena mx, SS DJ, mixing w/CKXM on S wire 0337 9/26 (bp WA)  
1530 MEXICO, Mexico City XEUR 0157 10/5. Atop channel for a good 30 minutes w/inst. Full ID at 0200, inc ment of 20KW powr, many IDs. (NB-AB)

#### TRANS-PACIFIC DX ROUNDUP

- 180 RUSSIA, weak RR talk 1053 9/26 (bp WA)  
189 RUSSIA, good //180 w/cl mx & woman ancr 1143 9/26. Loud at 1208 recheck. (bp WA)  
234 RUSSIA 1144 9/26 fair w/RR talk (bp WA)  
243 RUSSIA, fair w/pop mx 1145 9/26 (bp WA)  
270 RUSSIA, fair w/male vocal 1056 9/26 (bp WA)  
279 RUSSIA, good-strong //180 w/pop mx 1057 9/26, time pips & "Radio Rossii" ID 1100, into nx in RR by woman (bp WA)  
531 2MC AUSTRALIA, West Kempsey-very strong with talk show, 2MC IDs at 1410 10/14 (PM-OR)  
531 JAPAN, Morioka JOQG, very good atop of CC w/ JJ talk at 1415 10/9 (PM-OR)  
531 PR CHINA, CC talk u/JOQG at 1416 10/9 (PM-OR)  
531 UNID, teletalk, sounded like Pacific Island language so probably NZ, unid pop mx in background 1052 9/26 (bp WA)  
540 2AP WESTERN SAMOA, Apia very very strong and dominant with man in Samoan at 1410 10/14. Haven't hrd this in a long time. (PM-OR)  
549 2CR AUSTRALIA, Orange, fair in KMVI splat at 1420 10/14 with discussion pgm. (PM-OR)  
594 JOAK JAPAN, Tokyo very strong o/ filipino w/JJ talk 1422 10/14 (PM-OR)  
612 4QR AUSTRALIA, Brisbane, good w/discussion pgm at 1425 10/14 (PM-OR)  
666 NEW CALEDONIA, Noumea good w/man in FF at 1414 10/14 PM-OR)  
675t VIETNAM, prob. the one with yl ancr in VV at 1420 in the splash 10/9. Hrd last season too. (PM-OR)  
684 UNID, chorale mx possibly Fiji 1150 9/26 (bp WA)  
693 JAPAN, Tokyo, JOAB, good w/JJ talk 1050 9/26 (bp WA)  
702 AUSTRALIA, Sydney 2BL 1306 9/30 Presumed the one w/report from ABC corresponent in Beijing. Best audio through CKRD splatter in yrs. (NP-AB)  
+teletalk fair 1150 9/26 (bp WA)  
711 AUSTRALIA, St. George? 4QW? 1314 9/30 ABC station w/interviews. //702 khz. First time I have ever hrd audio on this channel. (NP-AB) (You may have also herd 7NT. Logged here more often than 4QW. PM)  
756 PR CHINA, very strong and dominant on channel at 1431 10/9. Really a good Asian morning. (PM-OR)  
774 AUSTRALIA, Melbourne, 3LO Aussie talk o/JOUB 1415 9/26 (bp WA)

- 774 JAPAN, Akita, JOUB, JJ talk & American c/w song //828 good 1041  
9/26 (bp WA)
- 792 AUSTRALIA, Brisbane, good finishing nx, into pgm opening  
w/BeeGee's "Staying Alive" 1107 9/26. Loud w/inst mx 1413(bp WA)
- 828 3GI AUSTRALIA, Sale presumed w/interview between 2 Aussie  
accented men 1315 10/11 (NP-AB)
- 837 AUSTRALIA, teletalk //702 1152 9/26 fair (bp WA)
- 891 SAN AUSTRALIA, Adelaide, at 1330 10/11, ABC News at bottom of  
hour (NP-AB)
- 891 THAILAND, good on top with woman in Thai, KK & JJ underneath at  
1420 10/9 PM-OR)
- 900 JAPAN, UNID commercial station u/KNUI/CJVI wit JJ talk at 1440  
10/9. It was intesting with CJVI in EE, KNUI in Filipino and the  
JJ there. (PM-OR)
- 918 CAMBODIA???? Woman in Unid language in splash, sing-songy type  
language, close to what was heard on 675 khz at 1445 10/9. I  
heard this for the past couple of years in Sept/Oct, but this was  
about the strongest .Maybe some day I'll ID this! (PM-OR)
- 936 AUSTRALIA, 4PB or 7ZR good w/discussion pgm 1407 9/26 (bp WA)
- 936 PR CHINA, very strong and dominant at 1415 UTC 10/9. Woman in  
distorted CC (PM-OR)
- 1026 3PB AUSTRALIA, Melbourne 1330 10/11 BBC WS ID, into nx pgm,  
pretty certain this to be 3PB, as I know Part. net relays BBC  
pgming. (NP-AB) (Yes, that was 3PB.PM)
- 1035 SOLOMON ISLANDS, Honaira, good-nil w/BBC nx pgm //5020 1210 9/26,  
ended 1230, then Radio Hapi Isles ID, into island mx, 1234 had  
messages for listeners, ship arrivals, etc (bp WA)
- 1035 UNIDS, mix of several stations here, a filipino, JJ, KK, at 1445  
10/9. (PM-OR)
- 1026 DZAR PHILIPPINES, Quezon City, very good on top with man in  
Tagalog, ment of "DZAR" at 1335 10/14. (PM-OR)
- 1053 S KOREA, jammer fair 1333 9/26 (bp WA)
- 1062 AUSTRALIA, 4TI or 5MV good w/ABC nx & program summary 1405 9/26  
(bp WA)
- 1062 DZEC PHILIPPINES, Quezon City, good with man in Tagalog, phone  
call on the air, ment of "DZEC" at 1345 10/14 (PM-OR)  
+good with man in Tagalog dominant on channel at 1450 10/9  
(PM-OR)
- 1107 UNID, 1428 9/26, music then what sounded like horse race with  
Irish announcer fair (bp WA)
- 1125 PHILIPPINES, filipino here with Sports at 1441 10/9 (PM-OR)
- 1134 JAPAN, Tokyo, JJ talk good 1357 9/26 (bp WA)
- 1197 JAPAN, Unid JJ commercial here menting Tokyo at 1435 10/9 (PM-OR)
- 1314 UNID, EZ listening mx & EE DJ fair-weak 1350 9/26 (bp WA)
- 1324 USA, spurious emission from KFLS-1450, Klamath Falls, OR 1246 9/26  
w/60s rock hits, almost thought it was a DU on 1323 until they  
ID'ed & went into American ads. Good signal but fadey w/buzz on  
upper side of signal (bp WA)
- 1548 AUSTRALIA, Emerald, 4QD, good in splat w/EE talk 1338 9/26, loud  
at 1419 recheck (bp WA)
- 1557 RUSSIA? Vlafivostok, may the one weaky with RR sounding rock  
music at 1455 10/9. Faded before any ID was possible. Listed as  
10 KW. (PM-OR)
- 1566 UNID, 1450 9/26 possibly 3NE, Steve Winwood song (bp WA)
- 1593 JAPAN, NHK2, JJ talk //774 fair 1033 9/26 (bp WA)
- 1683 AUSTRALIA, Italian or Greek talk & mx 1344 9/26 (bp WA)
- 1692 PAPUA NEW GUINEA, "KIU" beacon fair w/morse identifier 1346 9/26  
(bp WA)
- 1701 AUSTRALIA, strong w/mideast or S Asian pgm 1349 9/26 (bp WA)

2310 AUSTRALIA, //2325/2485 w/nx fair-good 1235 9/26 (bp WA)  
2325 AUSTRALIA, //2310/2485 but slightly weaker 1235 9/25 (bp WA)  
2485 AUSTRALIA, fair-good 1234 9/26, "ABC News" ID (bp WA)

THANKS TO THESE REPORTERS

bp-WA Bruce Portzer - Seattle WA - bportzer@home.com  
Dxing at Kalaloch, WA, September 25-26, 1999  
Drake R8A, 2500' terminated Beverage at 260 degrees, 2000'  
unterminated Beverage at 160 degrees  
NP-AB NIGEL PLIMBLETT, 1146 Queen Street SE, Medicine Hat AB, Canada  
T1A 1B4, ntp@shockware.com Kenwood R-5000, Collins HF 2050, with  
SW Beverage  
PM-OR YOUR EDITOR, mwdxer@webtv.net, Drake R8, Term EWE antenna

Column #2. A poor showing this morning (10/19) of TPs. With no rain here on the Oregon Coast with Fall, cx are down alot and the noise level is high.

531 2MC AUSTRALIA, West Kempsey good on top of JOQG w/talk at 1423  
10/20 (PM-OR)  
531 JOQG JAPAN, Morioka, fair above noise w/J talk at 1405 UTC 10/19.  
(PM-OR)  
+JJ tking over channel briefly w/JJ talk at 1435 10/20 (PM-OR)  
540 JO.. JAPAN, Synchros here //531 w/JJ talk 1406 UTC 10/19 (PM-OR)  
540 2AP WESTERN SAMOA, Apia. The loudest TP/DU of the morning. Very  
strong w/man in Samoan. Didn't hear this for months, so I wonder  
if they were off. Completely taking over frequency for a time at  
1420 10/20 (PM-OR)  
549 JOAP JAPAN, Naha (Okinawa) // 540.531 1406 UTC 10/19, JJ talk  
(PM-OR)  
558 JOCR JAPAN, Kobe, fair above mess with JJ Pops and yl in JJ at  
1420 10/19 (PM-OR)  
+fair in splash w/JJ talk at 1417 10/20 (PM-OR)  
567 JOIK JAPAN, Sapporo 1417 10/19 JJ talk //531 (PM-OR)  
+fair in splash w/JJ talk //531 at 1436 10/20 (PM-OR)  
585 JOPG JAPAN, Kushiuro, weak //567 khz JJ talk 1416 10/19 (PM-OR)  
594 JOAK JAPAN, Tokyo very strong at 1420 UTC 10/19 JJ talk (PM-OR)  
+loud w/JJ talk o/SWV at 1440 10/20 JJ talk (PM-OR)  
612 4QR AUSTRALIA, Brisbane, fair at 1450 UTC 10/20 w/talk (PM-OR)  
612 JOLK JAPAN, Fukuoka JJ talk //531 at 1426 UTC 10/19 (PM-OR)  
639 D... PHILIPPINES, Unid filipino briefly taking over the channel  
at 1427 10/20. Someone still off freq, so growl on freq. (PM-OR)  
639 UNIDS Mess in garbled talk here, JJ, KK, someone off freq  
(filipino?) at 1425 UTC 10/19 (PM-OR)  
657 D.R. KOREA, briefly KK talk at 1445 10/20. (PM-OR)  
666 JOBK JAPAN, Osaka fair w/JJ talk //531 khz 1422 UTC 10/19 (PM-OR)  
693 JOAB JAPAN, Tokyo good w/News in EE at 1402 UTC 10/19 (PM-OR)  
+weak EE News at 1404 UTC 10/20 (PM-OR)  
702 JOKD/JOFB, synchros with EE News at 1403 UTC 10/19 (PM-OR)  
729 JOCK JAPAN, Nagoya w/JJ talk 1431 UTC 10/19 (PM-OR)  
747 JOIB JAPAN, Sapporo, fair in 750 splash EE News at 1403 UTC 10/19  
(PM-OR)  
756 JOGK JAPAN, Kumamoto, JJ talk briefly above splash at 1442 10/20,  
then lost (PM-OR)  
774 JOUB JAPAN, Akita EE News at 1404 UTC 10/19 //747 (PM-OR)  
+EE News at 1403 UTC 10/20 (PM-OR)  
828 JOBB JAPAN, Osaka //774 w/EE Nx at 1406 UTC 10/19 (PM-OR)

- 891 5AN AUSTRALIA, Adelaide, fair with ABC News at 1431 10/20, some JJ QRM (PM-OR)
- 891 JOHK JAPAN, Sendai, JJ talk at 1435 UTC 10/19 (PM-OR)
- 900 KNUI HAWAII, Kahului good on top with man in Tagalog/EE, many Maui spots, KNUI IDs at 1415 UTC 10/19 (PM-OR)
- 954 JOKR JAPAN, Tokyo, fair w/JJ Pops, man in JJ at 1422 UTC 10/19 (PM-OR)  
+JJ talk at 1443 10/20 (PM-OR)
- 972 HLCA REP. OF KOREA, woman in KK at 1427 UTC 10/19. The only KK in this morning, poor at best. (PM-OR)  
+fair YL w/KK talk at 1419 UTC 10/20 (PM-OR)
- 1008 UNIDS Several stations here in splash, one sounded filipino, maybe JONR too at 1447 10/20 (PM-OR)
- 1026 D... PHILIPPINES, filipino talk at 1415 10/20 (PM-OR)
- 1053 JAMMER, here as usual o/UNIDS at 1407 UTC 10/19 (PM-OR)  
+jammer here, fair at 1420 10/20 (PM-OR)
- 1062 DZEC PHILIPPINES, Quezon City, good, with ID "D-Z-E-C, Raydo... D-Z-E-C...." at 1430 UTC 10/20 (PM-OR)
- 1134 JOQR JAPAN, Tokyo, fair w/woman in JJ, spots, mx at 1437 UTC 10/19 (PM-OR)  
+good with YL in JJ talk at 1444 10/20 (PM-OR)
- 1152 UNID unknown TP station here in 1150 splash at 1435 10/20 (PM-OR)
- 1179 JOOR JAPAN, Osaka fair w/JJ talk by YL at 1437 10/20 (PM-OR)
- 1670.5 JAPAN, weak JJ talk in noise at 1417 UTC 10/19. Lighthouse stations, too weak to ID any. (PM-OR)
- 1683 AUSTRALIA, weak talk at 1430 UTC 10/19 (PM-OR)
- 1669 JO.. JAPAN, UNID Lighthouse station(s) at 1423 10/20. Woman in JJ weakly. (PM-OR)

(PM-OR) Ye Editor, Drake R8, Term. EWE antenna

\*\*\*\*\*

## EASTERN DX FORUM

Richard C. Evans, 7416 Hearsthstone Way, Indianapolis, IN 46227-7923.  
E-mail: REvans5435@aol.com.

Tom Jasinski, 419 North Raven Road, Shorewood, Illinois 60431-9640  
Greetings. This is a re-cap of summer activities. Saturday, March 27, met local DX'er Ken Onyschuck (NRC Member) and Mark Marino (blind DX'er from south side of Chicago) got together for the KTBK 1700 DX test. From Burger King parking lot on Joliet's west side we had good signal from KTBK with morse code 1/2 hour before local sunset. On 3/31 had a good signal from KTBK during its first few minutes on the air. On April 24th while coming back from Springfield, Ill, my wife and I stopped for dinner at a truck stop in Lexington, Ill. Overheard two gentlemen in nearby booth talking about WHOW and KOMA on 1520 and other DX topics. Introduced myself and we chatted some more about DX. They are Jon Whitrock, WHOW (Clinton, Illinois) announcer and Roger Day. Both are interested in DX'ing and gave them IRCA's address. Will try and contact them again this fall. On 6/6 at the Princeton, Ill., HamFest ran into Pete Gianakopolous from Cedar Rapids, Iowa. Pete works for Rockwell (Collins Radio) in Cedar Rapids. He has designed and built several good quality AM radio sets that can compete with the best. He is a part time DX'er and we need to get him into the club. On 8/21, Ken Onyschuck and myself traveled to Madison, Wisc., Radio/DX get-together at Tim Noonan's place. As before Tim is an excellent host and had an good turnout. Pete from Cedar Rapids was here too with several home brew top notch AM sets to demonstrate. On 9/20, I received a letter

from KLIK, Jefferson City, Mo., in reply for my reception report on 11/14/95. The letter was from Al Germond, a DX'er and NRC member and one of the new owners of KLIK. He was apologetic about the long delay but explained the letter had gotten misplaced. In the meantime the station was sold and is now KLIK on 1240 Khz. Though he stated my report had good details he could not verify and suggested that I reapply to KWOS 950Khz. He returned my reception report which included a prepared, pre-stamped post card. All somebody had to do was check the line next to "YES" and drop in the mail. What is so difficult about doing that? Will give KWOS a try but am in doubt about success here. On 9/25, during Hurricane Floyd heard several SE stations on with full power with storm warnings. Nothing new to report. Well now it is October and am focusing on 1080Khz. WNWI from nearby Oak Lawn, Ill., has been granted authority for full time operations. When they do go full time I can kiss 1080 good by! So in the AM during the morning drive and after WNWI s/off in the evening I practically sit on 1080. Best catch so far was WFIV Kissimmee, Fla. (on 9/17 in AM), along with WKGX, WKAC and KYMO. All needed for a verie. KYMN and KRLD are dominant here. Enjoy the upcoming DX season. 73's. (Tom. please tell Ken I said hello--rce)

Rick Evans, 7416 Hearthstone Way, Indianapolis, Indiana 46227-7023

I'm having computer problems so this is being done on the wife's computer, then I can e-mail it from my regular computer to Phil. It is the Works word processing program in Win95 that is goofing up but I do not have the time right now to try and fix it. I have done some sporadic DXing during the past two months. Now up to 99 heard here which seems rather anemic to me but I have been working 11-13 hours a day for the past two months and much more seems to be on the way in the future. I still don't have all the powerhouse stations in the log yet, but am catching some unexpected stuff while looking for them. I was on 990 to see what was there (thought I heard a weak CBC ID but not sure-- is CBW still there?) and caught WNOX TN for a somewhat pleasant surprise. It was a pain in SC and also in AL. Was sitting on 930 when WSEV-TN ran an ID. The band seems dead to me compared to what it used to be when I lived 165 miles north of here in beautiful downtown Gary some 25 years ago, but that may be due to a selective memory, hi -- and also due to most stations going off at sunset or around midnight. (It might also be that Lake Michigan had more to do with good reception that I realized back then.) I have done some listening on the X-band but not since after the hurricanes went thru. I did have a good reception back then on WOKV-690 for a big surprise, and, like many others, I heard WTIR-1700 as well. One nice thing here is that most of the towers are on the north/northwest side of town while I live on the far south side, almost into Johnson County so I have not noticed much in the way of spillover onto adjacent frequencies. I had a station on 1080 this MM completely clear from local WIBC and their 10,000 watts. WNTS-1590 (which ID's as Beech Grove-Indianapolis) is in here poor at night, almost unreadable on my Superadio II (and somewhat decent on the HQ and a loop), yet I can hear them on a small Walkman-type radio at work on the east side of Indy (near 30th and Shadeland). They run Southern Gospel at night from 2000-0100 ELT s/off. I am starting to try and do the column again on Saturdays and get it off to Phil then because of the wild hours which vary from day to day.

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# IRCA Technical Column

editor: Nick Hall-Patch  
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## Signal Strength Recording as an Aid to Propagation Studies

by Nick Hall-Patch

### Introduction

For the past few years I've been monitoring radio signals using the Dymek DR-333, a 10 kHz to 30 MHz communications receiver which is controlled using the serial port of an IBM compatible personal computer. A detailed description and review of this receiver was published in the 1991 Proceedings from Fine Tuning Publications; the article is now available as a reprint from ODXA, Box 161, Station A, Willowdale, Ontario, Canada M2N 5S8. (<http://www.durhamradio.ca/odxa/mailordr.html> for the Web aficionado)

After obtaining source code for the DR-333's control program from the manufacturer, I found that the receiver is capable of tuning in a signal and registering its signal strength in about 100 milliseconds, so it is possible to tune 10 channels in one second and record the signal strength from each one. For some years, I've been intrigued by signal propagation at medium frequencies; now I had an instrument to record evidence of that propagation. I wrote a program in "C" which makes the IBM PC act as a signal strength data logger on up to 120 channels at a time. This was described in an article in DX Monitor October 12/96 and in following issues (the article is also available on the Web; follow the link from <http://espresso.ts.uvic.ca/radio.htm> to the "synth" button). Essentially, it records hour long text files containing time-stamped signal strengths which are updated every 10 to 60 seconds for each desired frequency. The format is such that the data can easily be imported into Microsoft's Excel spreadsheet program for further processing and be displayed as charts of signal strength versus time.

In mid-1997, on the Washington coast, I used this program to record some impressive sunrise signal enhancement of Australian medium wave broadcasters. After viewing these, Bob Brown, NM7M, suggested that I initiate ongoing recording of a few stations to provide data for propagation studies. Until now, the 160 meter radio amateur and the medium wave DXer have relied on years of anecdotal evidence to guide them to the best time for finding DX. In general, we in the Pacific Northwest "knew" that Australian signals tended to be better between March and September, that East Asian signals had better signal strengths the rest of the year, that local sunrise sometimes brought enhancement of these signals, and that some days there was no DX to be heard or worked. But there was little solid data to back up these perceptions or to allow us to speculate as to why a certain opening was better than another opening.

### Setting up an ongoing monitoring program

With a modification to allow it to run 24 hours a day and to record at predetermined times, my program was able to automatically provide signal strength magnitude on a daily basis. Recording signal strengths from certain AM broadcasters since September 1997, it has started generating the historical database which could help us explain medium frequency propagation with greater confidence.

AM broadcast stations can be useful beacons for those interested in propagation, as they are fixed frequency, and much of their transmitted energy is a constant carrier wave, often for 24 hours a day. I chose to monitor two stations in the upper part of the medium wave broadcast band which had been heard frequently on the North American west coast by MW DXers, 4QD-1548 kHz in Emerald, Australia, and HLAZ-1566 kHz on Cheju Island, South Korea. Both stations broadcast continuously when there is a darkness path across the Pacific, are high powered, and are pretty well alone on their respective channels. In addition, I am recording signal strengths from two similar stations in comparable geographical locations, but below the electron gyrofrequency, JOAK-594 kHz from Tokyo, Japan and 4QR-612 kHz in Brisbane, Australia. I also discovered that even with my resonant antennas described below, I was able to record attenuated signals from on 1314 kHz, so I recorded that channel as well in case the big Norwegian broadcaster should make an appearance.

The monitoring setup (see Figure 1) is at my home near downtown Victoria, B.C., close to three powerful AM transmitters capable of overloading the DR-333, so a tuned antenna was a necessity. Therefore, my antenna system is a pair of 5 foot square unamplified loops in my attic, both oriented east-west, with one tuned to about 1557 kHz, and the other to 603kHz. Using link coupling and matching transformers, each loop's output is run through a hybrid combiner to a single coax downlead to the 50 ohm antenna input of the receiver in the basement. This separation of the antenna system from the receiver/PC helps minimize interference from the PC.

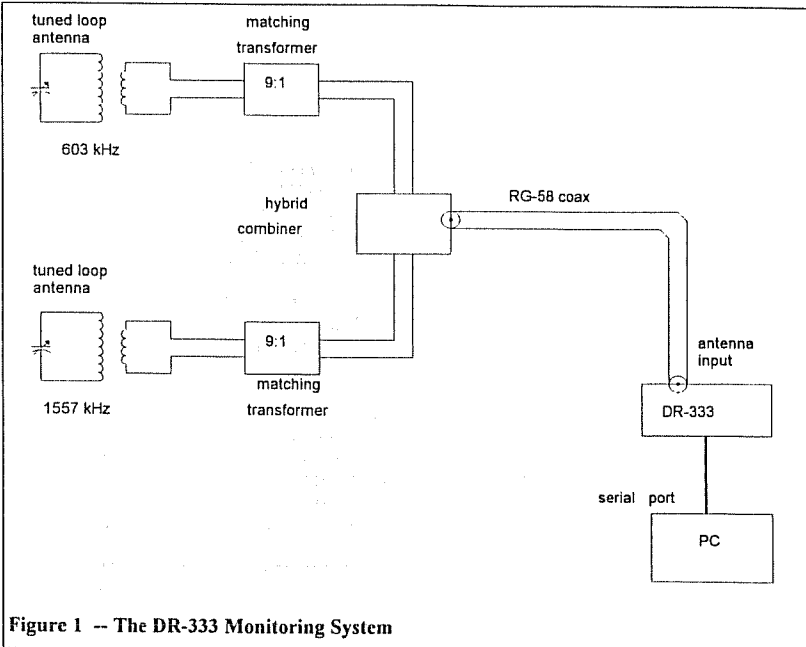


Figure 1 -- The DR-333 Monitoring System

One problem with monitoring overseas AM broadcast band stations is eliminating the large amount of interference to the desired signal, primarily from the sidebands of domestic broadcasters, but also from atmospheric and local electrical noise. The 400 Hz intermediate frequency (IF) passband of the receiver reduced interference to some extent, but I needed to reduce the interference further.

Although each frequency is monitored in turn approximately every 100 milliseconds, the program logs an average of 10 such points for each frequency, which, besides reducing the data file size, also reduces the effects of impulse noise on the signals. In addition, signals one kilohertz above and below the desired frequency are monitored. The interference levels are similar on these nearby frequencies, but the narrow IF filter removes any trace of the target station's carrier wave. When I import the data files into Excel, I subtract a weighted average of these two extra signal strengths from the desired signal frequency's strength to deliver a closer estimate of the target station's signal intensity. Finally, I perform a running average of 20 of the resulting points to further smooth the data set. At this point, I'm not sure whether I'm smoothing out short term signal strength fluctuations or whether I'm removing more interference, but when the data set is converted to graphical form, the result of the smoothing is a clear illustration of medium term signal strength variations. Note that the original data are retained, and more elegant forms of post-processing could be performed on them in the future.

## Results

Each day for the past two years, barring hardware and software glitches, the computer controlling the radio has recorded averaged signal strengths from these stations every 20 seconds, and parked the results in hourly files. What do the preliminary results show? Figures 1 and 2 display the percentage of days per month when any signal was heard from each station throughout the two seasons. It seems the data generally support the received wisdom that signals from East Asia are heard in the Pacific Northwest

between September and April, with better signals around the equinoxes, but generally with a lull between November and February, and that signals from Australia, at least in the upper portion of the band, are better heard here after April. The low band Australian, 4QR, however, seems to have more in common with the East Asians than with the higher band 4QD. Interestingly, in the season of '98-'99, the fall was not as good for trans-Pacific DXing as the spring was, and the Aussies seemed to be making more overall appearances, perhaps due to the approach of the sunspot maximum.

Figure 2 — '97 - '98 season

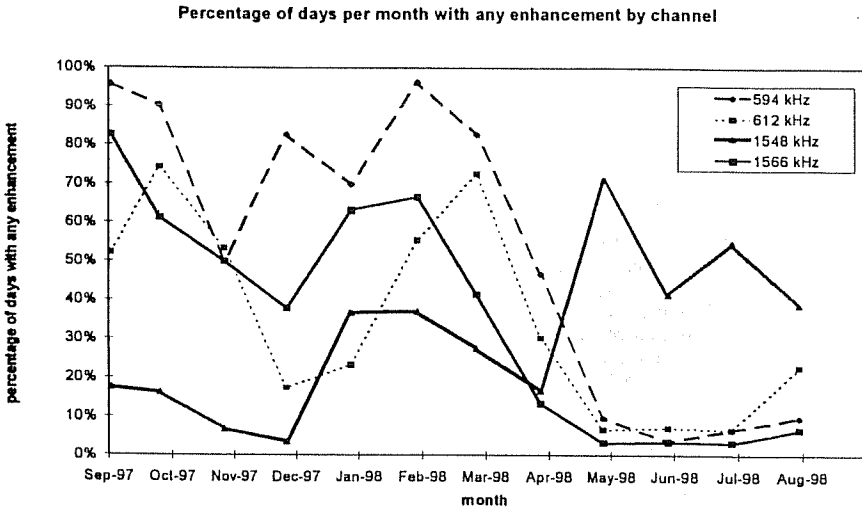
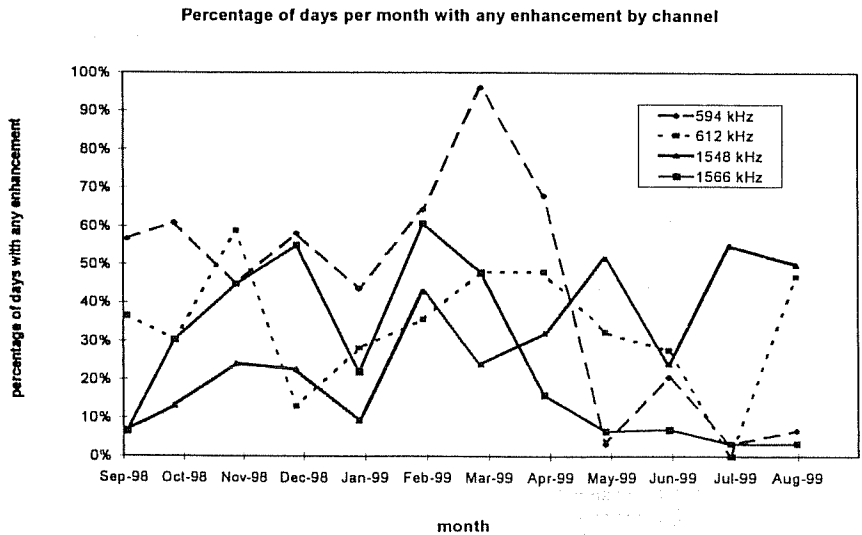


Figure 3 — '98 - '99 season



In the next article, we'll look at sunrise enhancements as a subset of all the receptions of these stations.



# IRCA Technical Column

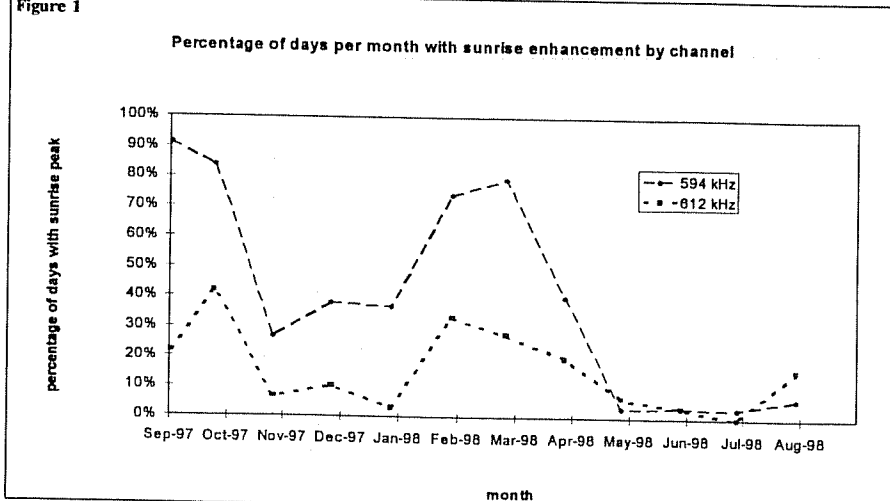
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## Signal Strength Recording as an Aid to Propagation Studies, Pt. 2

by Nick Hall-Patch

Although receptions of these trans-Pacific stations could occur at any time during the darkness path between transmitter and receiver, a greater likelihood of reasonable reception occurred near local sunrise at the receiver, and there was often a marked enhancement (sometimes more than 12 dB) of signal strength at this time. In fact, on many days, the only reception of HLAZ or of 4QD occurred during the hour previous to sunrise, with the signal rising out of the noise to a greater or lesser peak, then fading away again, often in less than 15 minutes, as local sunrise approached. Interestingly, however, with JOAK and 4QR, this sunrise peak was more common during the fall and the spring, and to a much lesser extent in the summer. Figures 1 and 2 chart the days per month when sunrise (rather than any) enhancement was observed on 594 and 612 kHz. If you compare these figures with Figures 2 and 3 of the previous article in this series, you will see that there is a decided dip in receptions in the winter months if only sunrise enhancements are counted. In the winter months, even though there might be a sunrise peak (and there often wasn't one), it was usually dwarfed by a slowly building peak starting after transmitter sunset, followed by a slow fade out well before local sunrise. This was most obvious on the signals for JOAK, but was also noticeable on 4QR as well. In comparison, almost all receptions of HLAZ and 4QD were close to local sunrise. See Figures 3, 4 and 5 for illustrations of these enhancements.

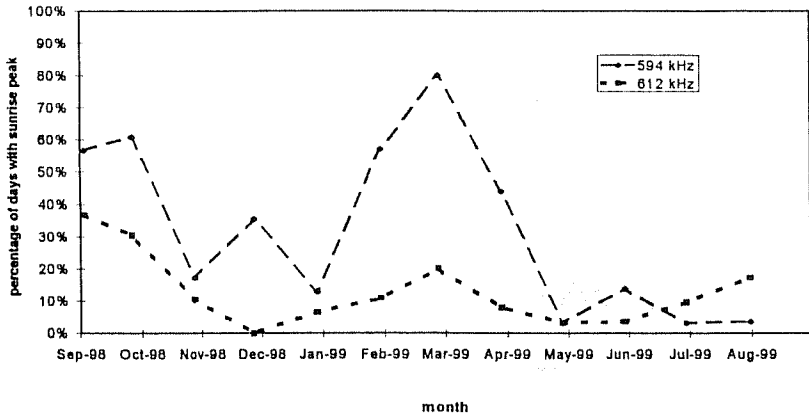
Figure 1



The first example of a strong sunrise enhancement is shown in Figure 3, and seems typical of 1548 kHz traces observed particularly in the spring and summer of 1998, in that no signal was observed until near receiver sunrise when a relatively sudden increase occurred (receiver sunrise was at 1235 UTC). This channel very occasionally showed enhancements around transmitter sunset as well. Note that for the present, I regard any signal trace below about -120dB as noise, though there may well be useful information there.

Figure 2

Percentage of days per month with sunrise enhancement by channel



On previous days on 1548 kHz, sunrise enhancements of just a few dB had been observed from May 7th through the 11th, with no enhancement at all on the 12th, followed by large enhancements on the 13th and 14th, followed once again on the 15th by no enhancement at all. So there can be some large day to day variations, and while the enhancements on the 13th and 14th did occur on days that were geomagnetically quiet compared with previous days, the 12th had similar geomagnetic activity to the 7th through the 11th, yet showed no enhancement. A sudden impulse to the geomagnetic field was observed at 1435 UTC on the 15th, but one would not have expected that impulse to have wiped out a potential sunrise enhancement at the receiver two hours earlier. From these and other observations, there appears to be no easy correlation between geomagnetic activity and good radio conditions at local dawn. (The geomagnetic conditions noted are from the Space Environment Center via Cary Oler's Solar Terrestrial Dispatch at <http://solar.uleth.ca/>)

Figure 3 -- 1548 kHz

May 14/98 with loops

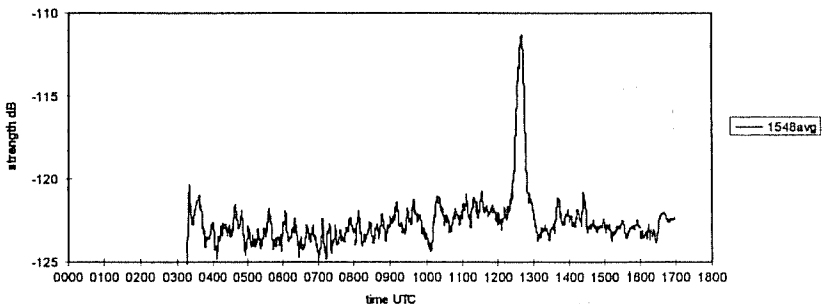
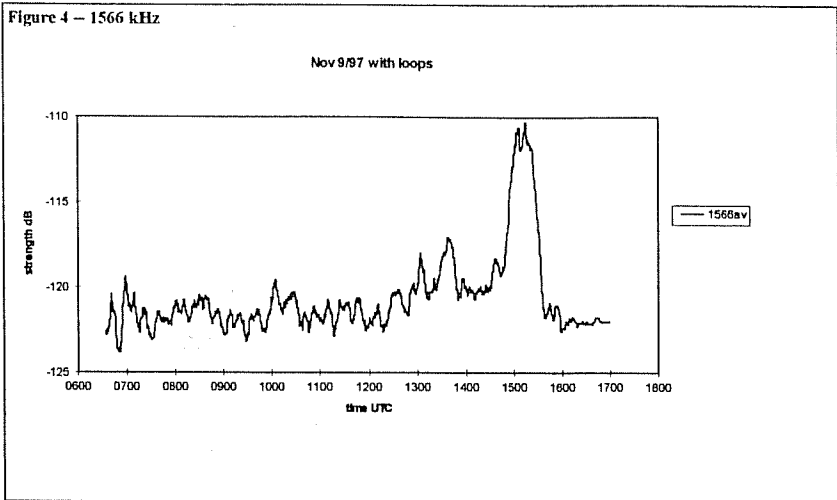
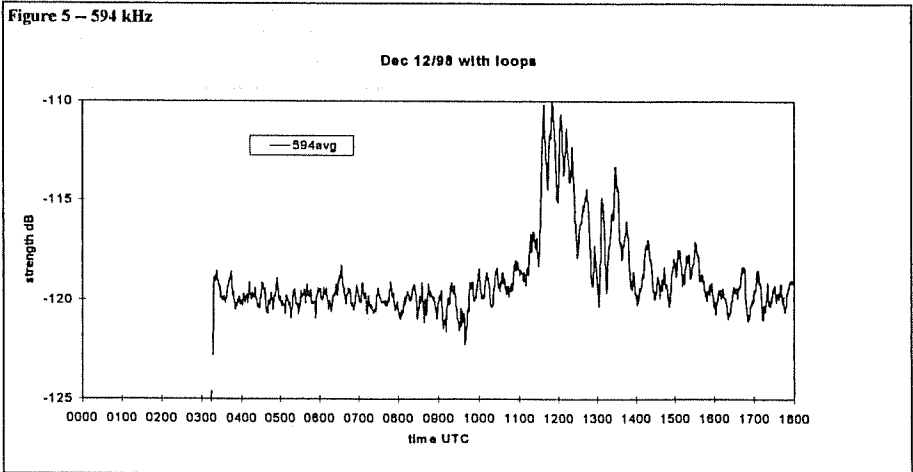


Figure 4 illustrates a late fall enhancement on 1566 KHz, when receiver sunrise was at 1512 UTC. On this channel, one sometimes sees significant signals outside the sunrise period, though some of them are due to the use of a directional antenna at the transmitter; see below for details. A geomagnetic storm had occurred on November 7, and there had been no signal enhancements on the 7th or 8th. However, although the geomagnetic field remained relatively quiet after November 9, there were no further signal increases at dawn on the following several days, so it appears that something other than geomagnetic activity is influencing these enhancements also.

As mentioned earlier in this article, signal enhancements at local sunrise are not always the norm. In fact,



at the lower frequencies recorded, such as on the 594 kHz trace shown in Figure 5, they seemed to be the exception during the winter months. Though such enhancements were quite common during the spring and fall the time that the strongest signal occurred seemed to move away from local sunrise closer to



the winter solstice. There could be smaller enhancements close to sunrise as well in the winter. For example, there is a smaller boost in Figure 5 not long before local sunrise at 1557 UTC. Similar changes in the enhancement patterns during the winter months were observed on 612 kHz also, though sunrise enhancements were less frequent during those months. (a further note: because the DR333 is less sensitive at lower frequencies, the signal traces recorded on 612 kHz and 594 kHz should be regarded as noise below about -118 dB).

# IRCA Technical Column

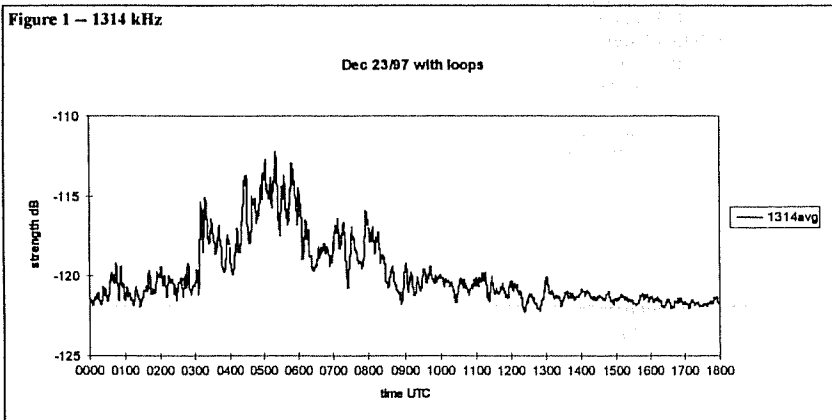
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## Signal Strength Recording as an Aid to Propagation Studies, Pt. 3

by Nick Hall-Patch

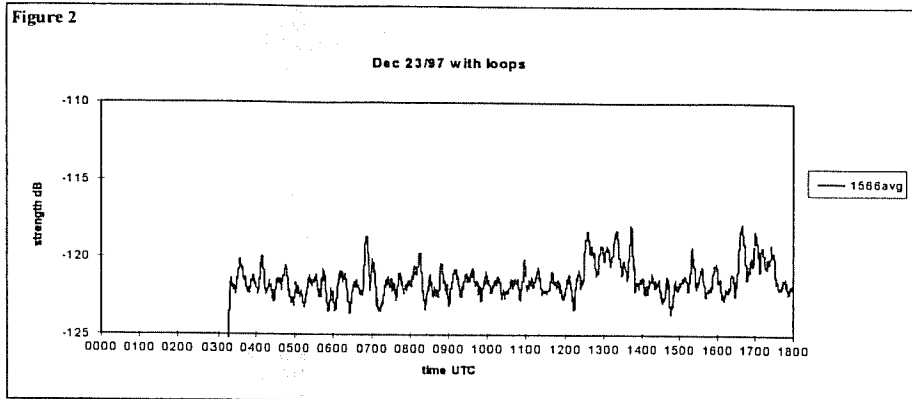
These data should lead to some worthwhile hypothesizing. Why are the local sunrise enhancements so variable in magnitude, and what is causing them? And why were the excellent mid-winter high latitude openings to Europe in December 1997 not always paralleled by good high latitude signals on Asiatic signals? For example, **Figure 1** illustrates a signal trace from Norway on 1314 kHz during that period, yet **Figure 2** shows relatively little activity from the Korean on 1566 kHz a few hours later, in spite of a continuing quiet geomagnetic field.

Figure 1 – 1314 kHz



Incidentally, if one looks closely at **Figure 2**, there is evidence of a small boost in signal strength between 1630 and 1730 UTC (local sunrise was at 1604 UTC, so this is a post sunrise reception) as well as a boost between 1230 and 1345 UTC. In fact, there were many mornings throughout the year with signal increases between 1230 and 1345 UTC, no matter what time local sunrise occurred. These times corresponded with the times given in the World Radio TV Handbook for Japanese language broadcasts, and it took me longer than I would have liked to conclude that, with Japan directly on the path from Cheju Island to Victoria, the station was likely to be using a directional antenna at that time. Indeed it did; HLAZ posts a rough coverage map on the internet (<http://www.febc.org/images/mail94cj.gif>) showing a big lobe towards Japan (and Victoria) presumably for Japanese broadcasts. A quick posting on Hardcore DX, and within a few days I had a faxed field strength map from the engineering staff at HLAZ (ain't the Internet wonderful?). For the interest of west coast DXers, HLAZ's effective radiated power towards here is only about 3 kilowatts between 1000 and 1230 UTC and also between 1345 and 1630 UTC, but increases to about 19 kilowatts between 1630 and 1730 UTC, and delivers nearly a megawatt between 1230 and 1345 UTC.

Figure 2



As a further aside, you will note that the y-axis title of all the above charts is described as signal strength in decibels. As the DR-333 outputs its signal strength in an 8-bit code (0 to 255), it is necessary to convert the data to something more meaningful. When I first started using the radio, I connected a lab-grade signal generator to it and using various medium frequencies, varied the generator output over eight points from -110 to -40 dBm (dB referenced to a one milliwatt signal at the antenna terminal), and logged the signal strengths indicated by the 333 versus the generator output settings. A linear relationship between the 333's output and the generator output in dBm was derived, which I apply to the data in the spreadsheet. Strictly speaking, the signal strength should be in dBm, but after applying my empirical corrections for interference and noise, I hesitate to claim that sort of accuracy. However, I feel that the relationship in dB is roughly valid, even if the point of reference is a bit undefined.

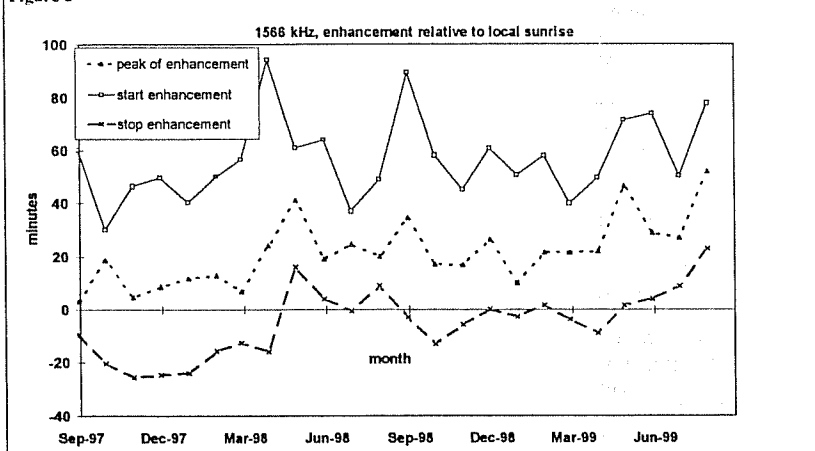
#### A trend in sunrise enhancements on 1566 kHz

In an attempt to characterize the likely times of sunrise enhancement, I looked at the data for HLAZ over the two years, and charted the start, stop and peak times of these enhancements relative to ground sunrise at my listening post in Victoria, B.C. Figure 3 shows monthly averages of observed times offset from local sunrise, but note that there are some months with very few receptions from this station, which may call into question the usefulness of the monthly average.

Three points should be made here. The first is that receptions of the signal are not really influenced by sunrise at the surface of the earth at the receiver. However, the time of local sunrise is one easily available to the DXer, and it is related to the time of sunrise at various ionized layers along the signal path from the transmitter. Those sunrises do influence the quality of our receptions.

The second and third points can be seen by looking at Figure 3: The time of sunrise enhancement seems to be within 5 and 40 minutes of local sunrise all year round, and not particularly influenced by the time of year (well, perhaps a few minutes earlier in the winter months). The enhancement also seems to have moved slightly earlier relative to local sunrise over the two years, as we approach the sunspot maximum. For this part of the world in the coming season, it seems one should start listening for a sunrise enhancement on high band East Asians about 60 minutes before local sunrise, and expect a peak in signal strength to occur about 30 minutes beforehand on average. Note that this is for one channel only; I have not completed this exercise on the other three trans-Pacific stations.

Figure 3



### Conclusions

This data set verifies some things we already know, such as winter being a better season for East Asian DX than summer, and that sunrise enhancements of long range signals are a reasonably frequent occurrence.

The information gathered over the last two years may have further potential to help us to understand how and why sunrise enhancements occur. It seems possible that ionospheric tilts at local sunrise could be directing signals to the receiver at local sunrise, perhaps from a duct between the E and F regions. If we knew the arrival angle of the received signal during the enhancement, we could visualize more exactly the path out of the ionosphere to the receiver, but that would involve exotic antenna arrays at the very least. A string of recording receivers laid out on the path, preferably far away from domestic sources of interference, would also be helpful in understanding how DX signals arrive at our antennas.

It would be useful to discover why sunrise enhancement does not occur on a daily basis. I have looked at the A-indices for the two years, and aside from the obvious effects of geomagnetic storms, sunrise enhancement does not seem particularly dependent on geomagnetic activity, so what are the influences that determine whether a signal is heard just before sunrise? And, it does appear at first glance, that the mechanisms for propagation in the lower part of the medium wave band are not entirely the same as those for the upper part of the band, so what is happening there to deliver enhanced signals long before sunrise in the winter months? Unfortunately, I am not really a propagation expert, so it is to be hoped that others with more knowledge can make use of the data or suggest better ways to record it.

Finally, as a DXer, the first thing I should do is modify my program to set off an alarm during major enhancement periods to alert me to worthwhile openings!

(These articles are based on ones which have appeared in the Western Washington DX Club's Top Band Anthology)

# HEARING IT THROUGH THE GRAPEVINE

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Welcome to the first Grapevine column of the new DX season! This time, our featured frequency will be 920 kHz, our featured state will be Alabama, our featured province being Quebec, along with what you have heard from the Caribbean.

FEATURED FREQUENCY: 920 kHz

Tim Hall, Chula Vista, CA

KQLO Reno, NV: Semi-regular in the 1980s (now KIHM, KQLO calls now on 1590)

KORK Las Vegas, NV: Semi-regular

KVEC San Luis Obispo, CA: Regular

KLMR Lamar, CO: Occasional catch in the 1980s

KVEL Vernal, UT: Regular at sunrise and sunset

KKAM Palm Springs, CA: Rare

KXLY Spokane, WA: Rare

KBNA El Paso, TX: Regular sunrise catch in the 1980s

KQEO Albuquerque, NM: Occasional catch in the 1980s

KGAL Lebanon, OR: Rare with KKHJ-930 off

XETAA Torreon, Coahuila, Mexico: Semi-regular at sunrise

XESDA Ensenada, Baja California Norte, Mexico: Semi-local, not a pest though

XECQ Culiacan, Sinaloa, Mexico: Occasionally at sunrise

XEQD Chihuahua, Chihuahua, Mexico: Rare

Eric Bueneman, Hazelwood, MO

WGNU Granite City, IL: Local station, nullable at night

KARN Little Rock, AR: Nightly in WGNU null

KDHL Faribault, MN: Occasionally in WGNU null

WOKY Milwaukee, WI: Occasionally in WGNU null

KYST Texas City, TX: Once with WGNU off

WAFS Atlanta, GA: Once with WGNU off (this is an ex-local)

FEATURED STATE: Alabama

Eric Bueneman, Hazelwood, MO

WAAX-570 Gadsden: Occasionally in the mid-1990s

WBIL-580 Tuskegee: Heard October 26, 1996 at night

WSGN/WZZK/WEZN/WAGG-610 Birmingham: Regular at night with WDAF nulled

WKNI-620 Lexington: Heard October 14, 1996 at night

WAVU-630 Albertville: Heard April 9, 1994 at night while local station was silent

WJDB-630 Thomasville: Heard April 9, 1994 at sunset while local station was silent

WBLX-660 Fairhope: Heard November 3, 1993 at sunset

WIZB-700 Dothan: Heard November 26, 1998 before sunrise (the station had been left on all night, according to verie)

WVNN-770 Athens/Huntsville: Occasionally at night, after local WEW sign-off

WTSK-790 Tuscaloosa: Heard January 18, 1994 at night

WYDE/WMKI-850 Birmingham: Regular at night since October 1998 in KOA null

WATV-900 Birmingham: Heard January 4, 1994 at night

WYNI-930 Monroeville: DX Test on February 1, 1994  
WERC-960 Birmingham: Heard November 18, 1993 at night  
WAPI-1070 Birmingham: Regular at sunset, occasionally at night  
WGEA-1150 Geneva: DX Test on October 17, 1994  
WQLS-1210 Ozark/Dothan: Heard January 8, 1999 before sunrise  
WWPG-1280 Tuscaloosa: Heard January 14, 1994 at night  
WMOB-1360 Mobile: Heard May 2, 1996 at night  
WHHY-1440 Montgomery: Semi-regular at night with minor WRTH-1430 splash  
WABB-1480 Mobile: Regular at night in the early 1990s, occasionally now  
with WJEM  
WVNA-1590 Tusculmbia: Occasionally at night  
WPHG-1620 Atmore: Regular at sunset, evenings mixing with WHLY and KOIL

FEATURED PROVINCE: Quebec

CBF-690 Montreal: Semi-regular at night until KSTL went full-time in  
1995  
CKVM-710 Ville-Marie: Heard November 7, 1994 at night  
CBM-940 Montreal: Semi-regular with WMIX and KXTK until the station  
moved to FM  
CJRS-1510 Sherbrooke: Heard October 22, 1992 at night, with WLAC nulled

FEATURED REGION: The Caribbean

Tim Hall, Chula Vista, CA:

CUBA: 570, two on 590, 600, 620, two on 640, 660, 670, 690, 710, 760,  
790, 820, 830, 840, 880, two on 890, 891, 930, 940, 1040, 1090,  
1101.2v, 1160, two on 1180.

Radio Vision Cristiana 530/535: Common before XEBACH-540 sign-on  
JBC Radio 1-700 Montego Bay, Jamaica: heard in 1989 from beverage site  
Trans World Radio PJB-800 Bonaire, Netherlands Antilles: common catch  
through mid-1980s

ZNS3-810 Freeport, Bahamas: common catch in the late 1980s or early  
1990s

Radio Paradise-825 Charlestown, Nevis: rare (this station is now on 830)

Voice of Nevis-895 Charlestown, Nevis: once or twice only

Radio Antilles-930 Montserrat: twice in the 1980s with KRTH off (caught  
ID on tape)

Radio Cayman-1555 Grand Cayman, Cayman Islands: 1989 from beverage site

Atlantic Beacon-1570 Turks and Caicos Islands: once at sunset

Caribbean Beacon-1610 Anguilla: common catch several years ago

Eric Bueneman, Hazelwood, MO:

CUBA: 570, 620, 640, 670, 710, 1180

Radio Vision Cristiana-530 Grand Turk, Turks and Caicos Islands:  
Occasionally at night

RVC-535 Grand Turk, Turks and Caicos Islands: Heard October 24, 1993 at  
night

DBC-595 Hillsborough, Dominica: Heard December 6, 1993 at night

NBS-610 Port of Spain, Trinidad and Tobago: Heard April 25, 1994 at  
night

JBC Radio 1-700 Montego Bay, Jamaica: Heard November 6, 1992 at night,  
WLW off

Radio Paradise-830 Charlestown, Nevis: Heard March 19, 1994 at sunset

Voice of Nevis-895 Charlestown, Nevis: Heard December 17, 1996 before  
sunrise

Caribbean Christian Radio-1020 Turks and Caicos Islands: Heard December  
16, 1993 at night, with KDKA nulled



Caribbean Radio Lighthouse-1165 St. John's, Antigua: Heard November 5, 1993 at night  
 Caribbean Beacon-1610 The Valley, Anguilla: Occasionally with severe KATZ-1600 splash  
 Note that Nevis is one half of the island chain of St. Christopher (St. Kitts) and Nevis.

It's time to hit the dials again for another DX season! While some of us were hitting the FM and TV dials during the summer (like I did), others continued to DX the AM and Shortwave bands. I have two personal milestones coming up this season (my 600th AM station and my 1,500th broadcast [AM/FM/TV] station). As of this writing, I am 12 AM stations shy of 600, and 15 broadcast stations (AM/FM/TV) shy of 1,500.

In our next column, our featured frequency will NOT be a local frequency, but rather, a whole set of frequencies. It will be the Expanded Band (1610-1700 kHz). Our Featured State will be the Lone Star State of Texas. Our featured Province will be British Columbia. As for our featured region of the world, the next one will be South America.  
 \*\*\*\*\*  
 Charles A Taylor - Grifton, North Carolina - calltaylor@prodigy.net

1999 IRCA E-Mail Directory - 10/17/99

(\*)=changes since last two revisions

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## GEOMAGNETIC INDICES

Geomagnetic Summary October 7 1999 through October 20 1999  
 phil bytheway - Seattle WA - philip\_bytheway@mukilteo.hac.com  
 Tabulated from WWV at ~0518 GMT nightly

10/ 7	129	7	2	low	quiet-unsettled	-
8	z	z	z	z	z	-
9	143	5	2	low	quiet	-
10	161	23	4	low	quiet-mis	-
11	167	20	5	low	quiet-mis	-
12	184	27	4	low	unsettled-mis	-
13	191	22	3	low	unsettled-mis	-
14	200	20	5	high	quiet-mis	maf 0900
15	198	25	4	low	quiet-mis	-
16	189	22	3	low	quiet-active	-
17	178	23	0	low	quiet-mis	-
18	173	7	2	low	quiet-unsettled	-
19	170	7	0	low	quiet-unsettled	-
10/20	159	4	3	moderate	quiet-unsettled	-

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## IRCA MEXICAN LOG

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The IRCA MEXICAN LOG lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. In addition, stations that have changed frequency since 1996 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) includes frequency, call and day/night power. The log has been completely updated from the 1996 edition and carefully cross checked by IRCA members in Mexico and the US. This is an indispensable reference for anyone who hears Mexican radio stations.

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**PO Box 1831 Perris CA 92572-1831**

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