

DX MONITOR

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PUBS DESK: One last comment from my desk. I would like to thank all the people that supported the IRCA the past ten years.....Adios from Ralph

A DXers TECHNICAL GUIDE: Now in its 3rd edition published in 1998, this 155 page book answers questions on receiver and antenna theory (how to improve their performance), how audio filters and loop antennas can improve DX with hints on their construction, how to build a Beverage and phasing unit, and much more. Only \$10.00 for IRCA/NRC members, \$12.00 for non-members (overseas airmail add \$2.50). Order from the IRCA Bookstore 9705 Mary NW Seattle WA 98117-2334.....

IRCA REPRINTS: The IRCA maintains a large file of articles which have appeared in past issues of DX Monitor. These articles cover a wide variety of topics, including antenna theory and construction, tips for the foreign BCB DXer, how to improve your DXing skills, history of DXing and broadcasting, lists of stations by subject, construction projects and receiver modification, receiver reviews, medium wave propagation, and more. Copies are available for a nominal charge. For a list of reprints, send \$1.00 to: IRCA Reprints, c/o Steve Ratzlaff, 1885 E Bayshore Rd Sp 90, East Palo Alto CA 94303.....

IRCA MEXICAN LOG 5th EDITION: The IRCA is proud to announce the release of the 5th edition of its MEXICAN LOG. The IRCA MEXICAN LOG 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. Size is 8 1/2" x 11" and three hole punched for easy binding (optional).

Prices: IRCA/NRC members - \$7.00 (US/Canada/Mexico/seamail), \$8.00 (rest of the Americas airmail), \$8.50 (Europe/Asia airmail), \$9.00 (Australia/New Zealand airmail). Non-members: add \$2.00 to the above prices. Make checks out to: Phil Bytheway.

Order from: IRCA Bookstore, 9705 Mary NW, Seattle WA 98117-2334

WELCOME TO IRCA's DX MONITOR
Vol 36 - No 30
August 14 1999

ANNOUNCEMENT FROM THE PRESIDENT

phil bytheway

This is the last issue to be published by Ralph Sanserino... congrats to Ralph on a well deserved rest. I would like to personally thank him for all the hours spent working on DXM/SDXM/etc... you're a good friend Ralph... now have fun with your radio stuff!!!

Meanwhile, although all BoD member's ballots aren't in, enough have been received to confirm Eric Bueneman as IRCA's new Publisher. DXM will be published every other week during the DX season (two SDXM's) and monthly in the summer... a total of 21 issues/year. Meanwhile, SDXM will be published WEEKLY through the season, monthly in the summer for a total of 35 issues/year. Those who desire a weekly "DX Monitor" are encouraged to add or switch to SDXM (Ralph will pro-rate your dues for SDXM only if you like). Ralph's PO Box address will remain as club HQ... dues and address changes still go to him. I'll publish a full schedule in next month's SDXM, but the V37 #1 deadlines are as follows:

V37 #1 - SDXM 8/26/99, HDXM 8/27/99, MASTHEAD 9/4/99

SDXM will not change, as I intend to remain EiC for a while. Any 'paper' stuff for DXM send to me by my deadline of 8/26. There will be no dues change at this time.
Any questions...

Contact me at: 9705 Mary NW, Seattle WA 98117-2334 or email: philip_bytheway@mukilteo.hac.com (work) pfalz.d3@juno.com (home)

NOTE NEW 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

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

Thanks Lynn...

CPC DX TESTS SUMMARY

CPC Chairperson (IRCA) - Lynn Hollerman - gmhollerman@mindspring.com

Right now Lynn is looking for target station lists and stamps or money to help get the lists worked on. Thanks again Lynn...

CONVENTIONS/MEETINGS

NRC '99: The 1999 NRC convention will be held at the Holiday Inn, Bridgeport WV on Sept 3-6, 1999. Reservations 1-304-842-5411, \$70.95 for two double bed room, no limit on how many in a room. Convention Registratio - \$35. Host is William Swiger, One Casey Ln, Bridgeport WV 26330, 304-842-4635.

BROADCASTING INFORMATION

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

SECTION 1:

FORMAT CHANGES:

CA Ontario	KMSL-1510	was sports, now country//KIKF (now KIKA per call to station-ed.)
CA Vallejo	KDIA-1640	was R&B oldies, now CRN Catholic talk
MI Menominee	WAGN-1340	was talk, sports, now WW1 AS (had switched from oldies to talk last May)
MI Rogers City	WHAK- 960	was country//FM, now country
MS Tupelo	WELO- 580	was silent, to be JRN stds (silent since lightning strike in May, plans Aug. return)
OK Pauls Valley	KVLH-1470	was country, to be soft AC (August)
PA Pittston	WKQV-1550	was sports, talk, now JRN stds//WEMR
TN Madison	WMAK-1430	was nx, talk, adds Dr. Joy Browne (first radio show to break WMAK's simulcast of cable nx/talk channel 5+)
TX Atlanta	KALT- 900	was silent now Reach s. gospel, talk (I assume this means 1610 Xband CP still active?-ed)

CONSTRUCTION PERMIT ACTIVITY:

NM Albuquerque	KHTL- 920	dec. to 130-N, ND
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FACILITY & PARAMETER APPLICATIONS:

CA Burbank	KRCK-1500	dec. to 5100/13000
GA East Point	WKGE-1160	inc. to 50000-D
WA Vancouver	KFFX- 910	inc. to 10000/10000
WV Beckley	WIWS-1070	add 7700-CH
WI Port Washington	WGLB-1560	mod CP to add 250-N, DA-2

FACILITY & PARAMETER GRANTS:

TX Laredo	KLAR-1300	dec. to 80-N, ND-2
VI Frederiksted	WRRR-1290	inc. to 4000/4000 DA-1

SECTION 2:

FORMAT CHANGES:

FL Dunedin	WTBL-1470	was silent, now SGN Black gospel (returns to "The Light" after brief time off air)
IL Rochelle	WRHL-1060	was country, farm, now AP nx
MA Boston	WEEI- 850	was sports, drops Imus

MA Ware	WARE-1250	was AS, now oldies "Exciting 1250" (returns mx, jingles and airstaff it had in 60's and 70's before being sold in 1982!)
MA West Springfield	WACM-1490	was tropical, s. gospel, adds Reach s. gospel
MI Jackson	WIBM-1450	was soft AC, now 1 on 1 sports
MI Jackson	WKHM- 970	was talk, sports, now talk (sports tlk pgming moves to WIBM)
MI Munising	WQXO-1400	was AS, adds JRN stds.
MI Petoskey	WJML-1110	was talk, adds WW1 oldies
MO Excelsior Springs	KEXS-1090	was s. gospel, adds Reach s. gospel
MO Portageville	KMIS-1050	was nx, adds talk
NV North Las Vegas	KSFN-1140	was sports, now 50's oldies "Cruisin'"
NV Reno	KXTO-1550	was SS hits, now talk
NM Albuquerque	KSYU-1520	was modern rock//KTEG, rptd. Silent
NM Albuquerque	KSVA- 610	was KZSS, talk/nx, now contemp. Xtian
NM Albuquerque	KIVA-1580	was KDZZ, R. Disney, now WW1 stds.
NM Corrales	KCTK-1310	was KIVA, AS, now talk "City Talk" (KIVA's AS format moves to 1580, KCTK adds Imus)
NC Camp Lejeune	WWJV-1580	was s. gospel, rptd. silent (expects to return in the fall)
SC Greenville	WGVL-1440	was country//WSSL-FM, no wSS "La Bava" (hits in drive time, Unica SS talk mid-day, romantica nights)
TN Madisonville	WRKQ-1250	was s. gospel, adds Reach s. gospel
TN Sevierville	WSEV- 930	was country, now Reach s. gospel
TX Nacogdoches	KSFA- 860	was talk, adds sports talk
WA Sunnyside	KZTS-1210	was KREW, AS, now JRN SS hits
WI Hudson	WDEY- 740	was WMIN, talk/sports//WDGY, now brokered SS

CONSTRUCTION PERMIT ACTIVITY:

CT Ansonia	WADS- 690	inc. to 3200-D, DA
NC Hendersonville	WTZQ-1600	dec. to 1000/12 ND
RI Providence	WALE- 990	inc. to 50000/5000 DA-2

FACILITY & PARAMETER APPLICATIONS:

MS Clinton	WTWZ-1120	inc. to 7500 w., ND
RI Providence	WRNI-1290	inc. to 10000-N, DA-2

CALL LETTER CHANGES:

CO Denver	KXKL-1280	becomes KVOD "Voice Of Denver"
FL Sarasota	WKXY- 930	requests WUGL
NM Albuquerque	KZSS- 610	requests KSVA
NM Albuquerque	KDZZ-1580	requests KIVA
NM Corrales	KIVA-1310	requests KCTK "City Talk"
PA Greensburg	WHJB- 620	becomes WKPZ
WA Seattle	KRPM-1090	becomes KMPS (Pat Martin of OR. reports recently hearing them still as KRPM-ed).
WA Sunnyside	KREW-1210	requests KZTS

David Gleason of Denver, CO. passes on the following:
CO Englewood KERR-1150 music pgming wil end on sale closing and
Radio Unica net will be carried 24/7.

Dennis Gibson of Goleta, CA. checked status of following:
CA Bakersfield KZPM-1100 looked like it might've been on, but it's
likely a spur he heard

Pat Griffith of Federal Heights, CO. passes on the following:
 CO Denver KBDJ-1650 their proposed CP site (and proposed site of relocated KRKS-990) is still an empty field being farmed), but there is an official "notice of public hearing" posted saying the owner is requesting permit to install "2 AM Radio Towers", KRKS is a 2 tower U2 so it appears KBDJ will be multiplexed into one of the new KRKS towers. CP for KRKS move has been granted as well (per Jerry Star's "AM Switch" column volume 66, #27 of DXNews).

SECTION 3:

FORMAT CHANGES:

CT Southington WNTY- 990 was AC, now tropical, SS religion
 NJ Hammonton WONZ-1580 was talk//WOND, SS, now sports//WGYM, SS
 NJ Vineland WMIZ-1270 was SS hits, adds SR SS hits (overnights)
 NC Burlington WPCM- 920 was country, now oldies (mixes NC. "beach" mx in w/oldies!)
 WA Bellevue KXPA-1540 was SS, Asian adds SR SS hits (overnights)

CONSTRUCTION PERMIT ACTIVITY:

CT Ansonia WADS- 690 inc. to 3200-D, DA
 RI Providence WALE- 990 inc. to 5000-N, DA-2

FACILITY & PARAMETER APPLICATIONS:

AL Birmingham WATV- 900 inc. to 832-N
 IL Vernon Hills WNVN-1030 mod. CP to inc. to 5000-D, DA

FACILITY & PARAMETER GRANTS:

ON Kirkland Lake CJKL- 560 move to 101.5 FM

CALL LETTER CHANGES:

GA Hogansville WMXY- 720 requests WGSE

SECTION 4:

FORMAT CHANGES:

AK Homer KGTL- 620 was AS, adds JRN stds
 AZ Glendale KPXQ-1360 was modern rock//KEDJ, now religion//KPXQ
 AZ Phoenix KCTK- 960 was KPXQ, religion, to be talk (Sept.) (KPXQ call letters/pgming move to KFDJ-1360)
 CA Ontario KIKA-1510 was KMSL, country//KIKF, now country "KIK AM"
 DE Georgetown WJWL- 900 was AS, adds JRN stds
 DE Seaford WJWK-1280 was AS, adds JRN stds
 GA Savannah WHGM-1400 was WSGS, rel.//WNIV, now black gospel
 KS Kansas City KKGM-1250 was WREN, silent, now sports "The Game"
 KY Berea WKXO-1500 was AC//WKXO-FM, now oldies//WLFX
 KY Richmond WEKY-1340 was AC//WKXO-FM, now oldies//WLFX
 MO Boonville KWRT-1370 was C&W, stds., adds JRN stds
 MO Caruthersville KCRV-1370 was C&W, talk, oldies, now country, talk
 NC Selma WBZB-1090 was silent, now country
 OH Logan WLGN-1510 was country//FM, now Americana//FM
 OH Middleport WMPO-1390 was country, now hot AC//WYVK

OR Burns	KZZR-1230	was country, adds JRN country
TN Knoxville	WHJM-1180	was s. gospel, now Xtian talk
TN Maryville	WKCE-1120	was s. gospel, now JRN stds
TX Abilene	KEAN-1470	was KBBA, tejano, now country//KEAN-FM (breaks sim. to do local farm 5-8 AM)
TX Abilene	KBBA-1280	was KGMM, sports, now JRN regional Mexican
VA Hopewell	WHAP-1340	was silent, now nx//WVNZ
VA Richmond	WLEE-1320	was oldies, now nx//WVNZ (expect new format soon)

CONSTRUCTION PERMIT ACTIVITY:

FL Coral Gables	WRHC-1560	inc. to 45000/4400 DA-2
NC Blowing Rock	WXIT-1510	moves to 1200 khz., 10000-D, 7000-CH, ND
PR Quebradillas	WKVN- 960	inc. to 1000/1700 DA-1
TN Clarksville	WCTZ-1550	dec. to 10-N, ND
TX San Juan	KUBR-1210	inc. to 5000-N, DA-2 (2-site operation)

FACILITY & PARAMETER APPLICATIONS:

NS Port Hawkesbury	CIGO-1410	move to 101.5 FM
PQ Rimouski	CFLP-1000	move to 102.9 FM

FACILITY & PARAMETER GRANTS:

MD Annapolis	WBIS-1190	inc. to 50000-D, DA-D
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CALL LETTER CHANGES:

AL Fort Payne	WMXN-1400	becomes WDLL "Delgiorno Broadcasting"
AZ Glendale	KFDJ-1360	requests KPXQ
AZ Phoenix	KPXQ- 960	requests KCTK "Talk"
CA Ontario	KMSL-1510	requests KIKA "KIK"
FL Riviera Beach	WPOM-1600	becomes WMNE "Minnie"
GA Hogansville	WMXY- 720	becomes WGSE
GA Savannah	WSGA-1400	requests WHGM "Hit Gospel Music"
IL Peoria	WOAM-1350	granted WOAM (???-this is what M Street says-ed!)
KS Kansas City	WREN-1250	requests KKGM "The Game"
MA Boston	WNFT-1150	becomes WAMG "Mega"
MN Brooklyn Park	WLLO-1470	becomes KLBP
NY Plattsburgh	WDOT-1070	becomes WGLY
TX Abilene	KBBA-1470	requests KEAN "Keen 105"
TX Abilene	KGMM-1280	requests KBBA
TX Houston	KYOK-1590	becomes KMIC "Mickey"
WA Sunnyside	KREW-1210	becomes KZTS

Dale Park of Honolulu, HI. Passes on the following:

HI Honolulu	KHVH- 830	currently silent, xmtr part burned out 7/25, should return later in week, in meantime talk pgming has shifted to KIKI-990.
HI Honolulu	KCCN-1420	airing ESPN radio sports talk in overnight fringe, which had been on KGU-760, also added ABC Radio's "Fabulous Sports Babe" to line-up on 7/5.
HI	KULA-1460	now KGMZ, stil simulcasting KGMZ-107.9 FM, slogan "More Music, One-Oldies-Seven- Point-Nine"
HI	KUAAU-1570	not heard since May, had been testing which was done to hold their license.

Pat Martin of Seaside, OR. Sends the following:

NV Reno KIHM- 920 per verie, now these calls. (I heard them with KQLO calls recently-ed). (Can someone in the Reno area get to the bottom of this story? Also what is 1590 Reno's calls now-ed)

WA Seattle KRPM-1090 still these calls as of 7/26/99, not KMPS yet, though simulcasting KMPS-94.1 FM.

Pat also confirms earlier info in column on KKGK-1250 ex-WREN. He passes on that WREN calls should end up on the 1660 CP for Kansas City.

Gary Jackson of Sacramento, California (via Pat Martin as well) sends along the following:

CA Moreno Valley KHPY-1530 CP for 1670 has been sold and will not be on till next year. CP for 10000/9000 U2 will be directional to towards Los Angeles...

3 days till I am 39! Isn't that Jack Benny's age, hi? Have a good "dog days of August". 73's.

FCC

Lee J Freshwater 414 SE 3rd St, Ocala, FL 34474
 FAX 352-732-7223 E-mail Lfreshwate@aol.com

A COMPLETE DATABASE IS AVAILABLE AT : WWW.RADIOUSA.ORG

PREPARED ON 8/1/99

Call Signs reserved for Pending Sales Applicants **

NEW CALL	CITY AND STATE	FREQUENCY	FORMER CALL
WUGL	SARASOTA, FL	930	WKXY
WHGM	SAVANAH, GA	1400	WSGA

** Commission grant and consummation does not automatically grant call sign application. The new licensee must provide written notice to the call sign desk upon consummation of the transaction and await authority from the Commission to use the new call sign.

CALL SIGN CHANGES

NEW CALL	CITY AND STATE	FREQUENCY	FORMER CALL
WKPZ	GREENSBURG, PA	620	WHJB
WGSE	HOGANSVILLE, GA	720	WMXY
WGLY	PLATTSBURGH, NY	1070	WDOT
KMPS	SEATTLE, WA	1090	KRPM
WAMG	BOSTON, MA	1150	WNFT
KZTS	SUNNYSIDE, WA	1210	KREW
KVOD	DENVER, CO	1280	KXKL
WTAZ	PEORIA, IL	1350	WOAM
WDLL	FORT PAYNE, AL	1400	WMXN
KLBP	BROOKLYN PARK, MN	1470	WL0L
KMIC	HOUSTON, TX	1590	KYOK

* The F.C.C. does NOT list the frequency in their database. I have tried to supplement this with information from my own database,, so look it over "carefully" before you change anything in yours.

We have put this information in order of frequency rather than location. Send any suggestions, changes AND corrections to the above E-Mail address.

WESTERN DX ROUNDUP

Nancy Johnson - 265 Waterton Way - Billings MT 59102-7755

Electronic Mail: Internet: nancyjohnson@uswestmail.net

WDXR DEADLINES: Next deadline is August 20. Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

- (FA) Frank Aden-4096 Marcia Place-Boise, ID 83704
- (FA-ID1) DX'ing in Pocatello, ID
- (AB) Art Blair-507 Canyon Terrace Lane-Folsom, CA 95630
NRD-515 & Palomar loop
- (RD) Ragnar Danneskjold-Mesa, AZ
Homebrew, tapped coil, xtal set, zepp antenna
- (RD-AZ1) using homebrewed 1 tube 1S4 or 1T4 with spiderweb coil and scorpions stinger antenna
- (LG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59804
lbg@selway.unt.edu
Hammarlund HQ-150, Sanserino air-core box loop & KIWA loop
- (GH) Glen Hansen-3585 SE Franklin St.-Portland, OR 97202
chevy35059@aol.com
- (GJ) Gary Jackson-7735 Center Parkway-Sacramento, CA 95823
FRG 8800 & KIWA loop
- (JcJ&NJ) John & Nancy Johnson-DX'ing at various locations along I-90
1998 Ford Mustang radio
- (PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138-0843
Drake R8, 1500' E Beverage
- (CM) Curtis McMenamin-667 Corte Castro-Vacaville, CA 95688
Sony ICF-2010, Radio West loop
- (MS) Mike Sanburn-P.O. Box 1256-Bellflower, CA 90707
GE Superadio II
- (DS) Dan Sys-27423-32nd Avenue-Langley, BC V4W 3J3
GE Superadio II
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
rjwmail@webtv.net
GE Superadio, Select-A-Tenna, HQ-180A, Radio West loop

OF SPECIAL INTEREST

- 900 KALI CA, West Covina 7/13 0900 good just under KBIF with quick "KALI, 900, West Covina" ID in English, then nice Mexican music after that, almost like mariachi! Call change, ex-KRRA for me. Not enough for report, though. (RW-CA)
+7/11 0000 ID "You're listening to the new Kali K-A-L-I West Covina, Multi-cultural Radio," into male preacher in Spanish. KALI ex-1430, 900 ex-KRRA, KGRB. Thanks to Bob Wien for tip. (MS-CA)
- 1210 KZTS WA, Sunnyside 7/26 0750-0800 good with several Spanish songs, several PSA's, ID as "La Bonita," ID in English &

Spanish as "KZTS, Sunnyside" and "Kah-zeta-eh-esse, Sunnyside." Call change, ex-KREW. (RW-CA)

1430 KMRB CA, San Gabriel 7/9 1000 English ID "You're listening to KMRB San Gabriel-Los Angeles, Multi-cultural Radio," into woman talking in Asian. Heard spot for Las Vegas Hilton. New, ex-KALI. (MS-CA)

1510 KIKK CA, Ontario 7/14 2100 new calls and country music // KIKF 94.3 Garden Grove, CA. "KICK-FM" ID. Good with KIRV QRM. Ex-KMSL/KNSE/KSOM for me. (MS-CA)

540 KIEZ CA, Carmel Valley 6/30 0706 man with "KIEZ" ID. (AB-CA)

550 KGME AZ, Phoenix 7/11 0400 faded up through KUZZ with Sportsfan Radio Network programming and local spots. (MS-CA)
+7/17 1952 with sportstalk about the British Open. (RD-AZ1)

570 KGRT NM, Las Cruces 7/21 0812 with C&W music and Lojack ad. New. (RD-AZ1)

580 KANA MT, Anaconda 7/17 1128 "KANA" ID, weather, into 70's oldies. This is a format change from 50's/60's oldies. (JcJ&NJ-MT)

610 KOJM MT, Havre s/on at 0758 Sat. 7/3 and Sun. 7/4, with instrumental SSB followong. I think weekday s/on is earlier. (LG-MT)

620 KTAR AZ, Phoenix 7/17 1951 with Diamondbacks baseball and a victory over the Texas Rangers in 10 innings. (RD-AZ1)

660 KTNN AZ, Window Rock 7/18 0100 with news of JFK, Jr. missing plane. (RD-AZ1)

680 KNBR CA, San Francisco 7/21 0038 with sports talk and ad for jobs.com. (RD-AZ1)

720 KDWN NV, Las Vegas 7/21 0040 political talk "Your talk of the west, KDWN" and talk about US jobs going overseas. (RD-AZ1)

740 KIDR AZ, Phoenix 7/17 1951 announcing Radio Unica and Radio Unica ads. (RD-AZ1)

770 KKOB NM, Albuquerque 7/18 0112 with a talk show, sounded like Art Bell. (RD-AZ1)

790 KGHL MT, Billings 7/16 0643 man with KGHL ID followed by C&W music. Good, mixing with KABC. (AB-CA)

810 (KGO) CA, San Francisco 7/10 0305-0900 totally off most of this period (Thanks PM-OR!). Ran test tone 0305-0307 then totally off. Very weak unID C&W in there about 0610 on tape, but other than that, an extremely weak jumble, nothing discernible, even on HQ-180A! (RW-CA)

WGY NY, Schenectady 7/11 0406 fair on top at times with "810 WGY" and "WGY News" ID's. Seems to be common when KGO is off. (PM-OR)

?CKJS? MB, Winnipeg 7/11 0430 may have been the one in English with weather forecast, high of 27 degrees. No ID possible, too weak. But, who else would give temps C temps in English? Off eastern Beverage, KGO off. Tentative report sent. (PM-OR)

830 KFLT AZ, Tucson 7/24 2044 with religious music. (RD-AZ1)
KPLS CA, Orange 7/14 0030 woman with KPLS ID, mising with KNCO. (AB-CA)

840 TIS/HAR CA, Benicia 7/7 1500 testing, good signal into Sacramento, CA. 780-680 separation. (GJ-CA)
WBPW721 CA, Novato 7/14 big wreck on US 101 today so on with information at 1500. (GJ-CA)

850 CKMA BC, Abbotsford 7/23 weak but all alone with "Radio Max" ID at 0801, between oldies. (LG-MT)

860 KMVP AZ, Phoenix 7/17 1950 sports talk about tennis. (RD-AZ1)
 KBEE UT, Salt Lake City 7/14 0023 boy with "Radio Disney Salt Lake City" slogan. (AB-CA)

870 KFLD WA, Pasco 7/13 0038 man with "Sports Radio 8-70" slogan, ad for a Cadillac dealer in Pasco. Good/very good signal. (AB-CA)

880 KRVA NE, Lexington 7/21 0048 playing "Keep it in the Middle of the Road" by Exile. (RD-AZ1)
 CHQT AB, Edmonton 7/13 0045 man with legal ID, right into a talk program. (AB-CA)
 CJVI BC, Victoria 7/12 0900 seems to have dropped their news-talk format and returned to oldies, "Victoria's station for music & memories...AM 900." Not using their call letters at all. (DS-BC)

910 KFYI AZ, Phoenix 7/17 1949 an unusual appearance by Barry Young on a Saturday program. (RD-AZ1)

920 KPSI CA, Palm Springs 7/12 0700 strong on top with ID "Newstalk 920, KPSI, Palm Springs," into ABC news, faded out. Not this strong on night power very often! (RW-CA)

940 (KFRE) CA, Fresno 7/5 0720 totally off, Woodburn, OR dominant. (RW-CA)

960 KPXQ AZ, Phoenix 7/17 1941 talking about the umpires strike and baseball. (RD-AZ1)

1010 KXEG AZ, Tolleson 7/17 1947 with religious preacher going at it to beat the band. (RD-AZ1)

1030 KJDJ CA, San Luis Obispo 6/29 0909 man with national news, several Radio Unica ID's, and an ad for a business in Santa Maria. (AB-CA)
 KMAS WA, Shelton 7/1 0724 Elvis song "Cryin' in the Chapel" followed by an Al Green tune, ID at 0727, news at 0730. (AB-CA)
 KTWO WY, Casper 7/15 0000 The Truckin Bozo Show playing country oldies into news. Good signal. Heard regularly. (GH-OR)

1040 KLVP OR, Tigard 6/28 0753 music, "K-Love" slogan, very weak. (AB-CA)

1060 KDUS AZ, Guadalupe 7/17 1947 with discussion of the umpires strike. (RD-AZ1)
 KEGN ID, Caldwell 7/7 2313 "That's the Law" program, Lifeline ad at 2319, squished between KTCT-1050 and KNX-1070. (AB-CA)

1100 KCCF AZ, Cave Creek 7/17 1945 with American Dissident Voices. (RD-AZ1)

1110 KBND OR, Bend even with (I think) KFAB at 2300 7/22 with legal ID. I think Jim Bohannon show preceded. Unusual to hear it in the evening. (LG-MT)

1150 KCKY AZ, Coolidge 7/17 2151 with Mexican music. (RD-AZ1)
 KSRB WA, Seattle 7/5 0710-0735 nicely on top though occasional fades in KXTA null, heavy KHTK-1140 & KLOK-1170 splash. Talk about US women's soccer win over Brazil, R&B music, nice "KSRB" ID at 0727, talk about "Wild Wild West" being number one movie over weekend. Signal got real strong by 0735, then tuned out. Call change, ex-KEZX for me. (RW-CA)

1180 KYET AZ, Williams 7/18 0014 with radio drama. (RD-AZ1)

1190 KMYL AZ, Wickenburg 7/17 2240 playing "Granada" by Frankie Lane. (RD-AZ1)

1210 KBSG WA, Auburn 7/15 0015 barely out there & very choppy but heard ID in between oldies. Faded abruptly into the slop. (GH-OR)

1230 KOY AZ, Phoenix 7/17 2304 with ID and ad for "Senior Talk,"

- program is "Big Band Saturday Night." (RD-AZ1)
- 1240 KZZR OR, dominated with C&W and legal ID at 0900 7/27. (LG-MT)
 KSUE CA, Susanville 7/3 0200 commercial for safe boating then ID. Barely audible on top of the slop. A new log for me! (GH-OR)
- 1270 KDJI AZ, Holbrook 7/26 0610 amazingly on top with ID "Good time oldies, 1270, KDJI," song "He's a Rebel." Way over KJUG in KPLY null. Very rare here, especially on night power. (RW-CA)
- KAJO OR, Grants Pass 7/13 0922 Evergreen Federal ad, Oregon Lotto numbers story, Doris Day tune at 0925. Mostly under KJUG. (AB-CA)
- 1290 KGVO MT, Missoula 6/29 0230 legal ID into news. Very weak signal. Haven't heard this one for a long time. (GH-OR)
- 1310 KXAM AZ, Mesa 7/17 1943 with a home improvement show. (RD-AZ1)
 KZXR WA, Prosser 7/18 1300 with ID "KZXR 1310 Prosser, 1310 The Source." (JcJ&NJ-WA)
- 1350 KBID CA, Bakwersfield 7/2 0900 legal ID followed by a sports program. Strong but well under KSRO. (AB-CA)
- 1360 KFDJ Az, Sun City 7/18 0051 relaying FM'er "Party Radio." ID "Extreme to the Extreme, 106.3, The Edge." (RD-AZ1)
- 1370 KXTL MT, Butte 7/2 0200 news then ID prior to oldies program. (GH-OR)
- KWNC WA, Quincy 7/18 1210 "1370 KWNC" Id into news. (JcJ&NJ-WA)
- 1400 KUKI CA, Ukiah 7/7 2324 woman with "Voice of the Redwood Empire" slogan, no ID because this station is part of a four station network that also includes KDAC, KLLK, and KSPY-FM. (AB-CA)
- KART ID, Jerome 7/3 0200 dominant with standard music, legal ID, and CBS news. Great GY signal for summertime. (MS-CA)
- KSPT ID, Sandpoint 7/22 0150 briefly faded up over KLCK & CIOR with promo for the "Rush Limbaugh show on KSPT." New. (DS-BC)
- 1420 KTAN AZ, Sierra Vista 7/10 with top of hour ID and into news. Was in KMOG null and very weak. (RD-AZ)
 KSTN CA, Stockton 6/30 0850 "All oldies 14-20" slogan, music by Gloria Estefan, the Four Tops, and KC and the Sunshine Band, ID at 0900. (AB-CA)
- 1450 ?KVSL? AZ, Show Low 7/25 0054 presumed with Art Bell. Hilly Rose was sitting in for Art as usual. (RD-AZ1)
- 1480 KPHX AZ, Phoenix 7/17 2249 playing Mexican music. ID "Radio Fiesta." (RD-AZ1)
- 1490 CJSN SK, Shaunavon on top with 4 call ID's and promo for "Insight For Living" program at 2258 7/20. (LG-MT)
- 1500 KSJX CA, San Jose 7/16 2308 man with KSJX ID, Folsom TIS nulled. (AB-CA)
- TIS/HAR CA, Yuba City was on the air in June testing with NOAA weather. Off air again with problems, but should be back on soon. QSL address is Mark Boomgardner, 1201 Civic Center Blvd., Yuba City, CA 95993. (GJ-CA)
- 1510 KFNN AZ, Mesa 7/17 2248 with a guy talking about having a part in a movie where he has to moon someone. (RD-AZ1)
- ?KIRV? CA, Fresno the most likely one with open carrier 0757-0759 7/3, then "The Lord's Prayer" and another hymn. No announcement, but I think this was s/on. KGA a bit weak at the time. (LG-MT)
- KMSL CA, Ontario 7/11 1100 "The Muscle," still Sportsfan Radio with spot for Quakes minor league baseball and Encore Movie channel. Had not changed call letters to KIKA yet.

(MS-CA)

- KJQI CA, San Rafael 7/16 2309 man with "K-Joy" slogan, then Julia London sang "Cry Me a River." (AB-CA)
- 1520 KOMA OK, Oklahoma City 7/25 0049 playing "Just An Old Fashioned Love Song" by Three Dog Night. (RD-AZ1)
- 1580 KMIK AZ, Tempe 7/17 1942 with Martinelli's ad and Radio Disney ad with "Radio Disney, 1580" ID. (RD-AZ1)
- 1610 ---- CA, Lakewood 7/17 2000 Talking House. A second transmitter noted in Lakewood. House for sale at 5342 Autry Street. Very low power. This is in addition to the nearby station on Rocket Street. (MS-CA)
- TIS/HAR CA, Sacramento located at highway 998 & 47 Ave. Heard testing 7/6 0600 with "This is a CalTrans test of Highway Advisory Radio." 40+ here. (GJ-CA)
- KNNB605 ID, Pocatello 7/24 1300 heard running info on Idaho State University. Heard in Pocatello. (FA-ID1)
- KOP796 WA, Deer Lodge 7/17 1240 TIS giving information about Grant-Kohrs Ranch. (JCJ&NJ-MT)
- WXPY673 WA, George 7/18 heard along I-90 in the George area with "Farm Fun 1610," calls itself the "Ag Farmation Station" and gave web address of www.agfarmation.org (Jc J&NJ-WA)
- 1620 KSMH CA, Auburn 7/9 0200 legal ID as "Sacred Heart Radio 1620 KSMH Auburn-Sacramento." Good signal. New! (GH-OR)
- KYIZ WA, Renton 7/14 0323 coming in poor with RB music under KSMH. (CM-CA)
- 1640 KDIA CA, Vallejo 7/1 at 0300 changed format to Catholic Radio, using same call letters. Not the same as KSMH-1620. They are a Catholic, talk show format and a commercial station. Per call to station. (GJ-CA)
- +7/6 0300 noted new format, Catholic radio. (CM-CA)
- +7/15 2230 religious talk program into ID and commercials for Heart Bar and Total cereal. Great signal on N/S wire. (GH-OR)
- 1650 KGXL CA, Torrance 7/6 0400 heard ID "KGXL & KGIL" then adult standards music. (CM-CA)
- +7/14 0355 coming in good with KGIL ID's, adult standards music. (CM-CA)
- 1660 KXOL UT, Brigham City 7/14 0430 coming in good with oldies. (CM-CA)
- +7/25 0040 playing "What's Your Name?" (RD-AZ1)
- 1680 WJNZ MI, Ada 7/14 0530 coming in good with with "1680 Jams" slogan. #MI 2. (CM-CA)
- 1690 (KSXX) CA, Roseville talked to owner about going on air. Late September or early October is latest information. Equipment is here so as soon as they get it up & ready they will start testing. (GJ-CA)
- KDDZ CO, Arvada 7/25 0123 playing "La Lo Loo." (RD-AZ1)

UNIDS

- 840 7/15 2350 sounded like KXMT way out in the slop. (GH-OR)
- 1230 Call sounded like KTVI at 0800 7/15. (LG-MT)
- 1310 7/5 0755 unID under KMKY looping NNE with what sounded like Bruce Williams, talk about a hit song from 1981. Is this possibly KZXR-WA? Could also have been "Daybreak USA." Sounded like NBC network. Faded under KLIX. (RW-CA)
- 1330 7/26 0600 unID with CBS news on hour, way under KWKW, looping ESE. Is this KGAK or perhaps KJLL-AZ? Faded out by 0605. (RW-CA)
- 1610 7/15 1530 coming in fair with "This is CalTrans test highway advisory radio. This is only a test." Does anybody know where

this station is located? Any ideas? (CM-CA)\

Is this the summertime? This is such a long WDXR that I thought it was winter, hi. Thanks to all our reporters this issue.

CENTRAL DX ROUNDUP

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RIDING GAIN

[NJ-MT] Nancy Johnson, Billings, MT nancyjohnson@uswestmail.net
Yaesu FRG-7, "Radio West" loop. Or the radio in the 1995 Mustang.

DOWN THE DIAL

1490 KVOG ND, Valley City. 7-16 poor through mess. 23:00 with ID.
[NJ-MT]

UNIDS

1490 unID 7-28. 08:50 unID with religious programming. Heard numerous times at this time of day, but never any ID's. Not KNDC. Might be CJSN. [NJ-MT]

25 YEARS AGO

August 3, 1974 issue of IRCA's "DX Monitor" ... Bruce Portzer of Seattle, WA was awarded the TVA award ... Eric Fader of Bayside, NY said he was 15 has had been DX'ing since 1971 ... Pete Kemp of Bethel, CT said he was 26 and was chairman of the Bethel Middle School industrial arts department ... Dave Faulkner of Port Huron, MI said he was 22 and a graduate of Michigan State University ... Dave Fischer of Hickory, NC said his radio interests were mostly technical ... Don Erickson of Riverside, CA said he was now working with a Univac 9300 computer.

OPEN MIKE

It must be summertime, no one seems to want to DX this time of year! A special "THANK YOU" goes out to Ralph for his many years of publishing "DX Monitor." This is Ralph's final publication. The next CDXR deadline is August 20, 1999. 73, John

DX WORLDWIDE EAST

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

E-mail: WAIION@ix.netcom.com

Mark Connelly - WAIION@ix.netcom.com

I (and the rest of my family) spent several days at East Harwich, MA on Cape Cod. We all did usual tourist activities including the beach, shopping, and dining out. I also managed a bit of DX. This note just contains a few quick observations: a comprehensive report will be issued later.

The band conditions notes may be of interest to the Grayland, WA DXpedition crew and also to Bruce Conti, who recently DXed from Florida.

The best time to listen was undoubtedly from one half hour before local sunset to 2 hours after sunset. This corresponds roughly to a 2345 UTC start time and 0215 UTC end time.

Low frequencies on the MW band proved more useful than the higher end of the dial. The best opening was from 0000 to 0100 UTC on 10 JUL when four Brazilians (600, 620, 690, and 760) were logged at good strength. Surprisingly, on several evenings, northern European low-banders such as Ireland-567, UK-693, and Netherlands-747 were very strong.

Madeira Islands on 603 made an appearance. Usual blasters such as the various Canary Islands, Spain, and Morocco low-band signals boomed in around sunset but tended to submerge into domestic slop after 0200 UTC. The same was true of Venezuelans and the Caribbean splits (535, 555, 705): initially good, but in the "dumper" later in the evening. Cubans weren't that strong.

PJB-800 was buried by the Canadians. The Atlantic Canada stations were huge: even CBNA-600 St. Anthony, NF was good, easily overriding more common CKCL, WICC, and Latin Americans. CKGA-650 Gander held its own against Antena Dos and WSM. CBL-vacated 740 is now firmly the property of CHCM, with occasional hints of WJIB and Cuba well under. Other CBC-network vacated channels are 690 and 940. 690 has a Brazil / Anguilla mix at sunset; later on Brazil drops out and Colombia and Cuba fade in, though Anguilla's preaching stays dominant overall. On 940, WIPR-PR, 2 Venezuelans, Colombia and the religious domestics (WADV, WKGM) mix it up in the early evening. Cuba, Mexico, and WINZ (FL) join in later.

I used two slopers off the tops of ~ 20 m tall pitch pine trees at the E. Harwich house. One sloper was aimed 75 degrees for southern Europe and the other 165 degrees for the Caribbean. A 100 m wire on the ground was aimed at 100 degrees. It didn't exhibit much directionality and it was used mostly as a noise-reducing ground radial. A inverted triangular K9AY loop of 8.5 m per side was tested briefly. Nulls of New York City stations were achievable, but generally phasing the two slopers gave the deepest "pest" nulls. All logs were made on a Drake R8A receiver.

It's good to see Al Merriman's lively and informative antenna comments on the E-mail lists once again.

*** Summer 1999 Roadtrip Report (#1) ***

Includes "East Coast Parallel DX Effort" during the period of the Grayland, WA '99 DXpedition

[Connelly*H-MA] = East Harwich, Cape Cod, MA (GC= 70.021 W / 41.713 N)
(near junction of Routes 39 & 137: pitch pine forest 2 km from ocean)

[Connelly*O-MA] = South Orleans, Cape Cod, MA (GC= 69.991 W / 41.735 N)
(Town Landing, off Route 28, 0.3 km N of Tar Kiln Road)

[Connelly*R-MA] = Rockport, MA (GC= 70.622 W / 42.667 N)
(Granite Pier)

Receiver: Drake R8A

Antenna systems: Euro-sloper (length 28 m, max. height 20 m, optimum bearing 75 deg.), Carib-sloper (length 28 m, max. height 20 m, optimum bearing 165 deg.), longwire (on ground: 100 m at 100 deg.), experimental triangular K9AY loop (8.5 m per side, oriented E-W), BBL-1 broadband loop, APW-1 active whip, Superphaser-1 phasing unit

*** TRANS-ATLANTIC DX ***

- piano; poor to fair. [Connelly*H-MA]
- 162 FRANCE Allouis, JUL 9 0259 - interspersed FF talk and music; fair. [Connelly*H-MA]
- 183 GERMANY Europe No. 1, Saarlouis, JUL 9 0255 - good with Afro-Caribbean (zouk / reggae) influenced dance music with FF vocal.
+ JUL 10 0258 - emotional FF vocal; good. [Connelly*H-MA]
- 189 ICELAND Rikisutvarpid, Gufuskalar, JUL 10 0256 - pop group vocal; poor. [Connelly*H-MA]
- 198 UNITED KINGDOM BBC WS synchros, JUL 9 0254 - // 5975 with talk about the field of biometrics (identifying people by voiceprints, DNA, fingerprints, etc.); fair. [Connelly*H-MA]
- 216 FRANCE TWR Monaco, Roumoules, JUL 9 0251 - FF talk, teletalk. [Connelly*H-MA]
- 234 LUXEMBOURG RTL, Junglinster, JUL 9 0250 - man in FF; fair. [Connelly*H-MA]
- 252 IRELAND Atlantic 252, Clarkestown, JUL 9 0248 - high-energy electronic dance music; good. [Connelly*H-MA]
- 531 SPAIN RNE5 synchros, JUL 1 0148 - // 855 with folk vocal; poor. [Connelly*R-MA]
+ JUL 8 0307 - music, R. Nacional de Espana ID; over 2 others (likely Algeria / Madeira). [Connelly*H-MA]
- 549 ALGERIA Les Trembles, JUN 27 0050 - AA vocal; poor. [Connelly*R-MA]
- 549 GERMANY (t) JUN 26 0324 - somewhat Caribbean-influenced pop vocal; over Algeria. [Connelly*O-MA]
- 558 SPAIN RNE5 synchros, JUL 8 0319 - // 585 with C&W-influenced music; poor, over other. [Connelly*H-MA]
- 567 IRELAND RTE, Tullamore, JUN 26 0322 - talk about Irish rock bands including Thin Lizzy: "You know that 'The Boys are Back in Town' was the real breakthrough." Excellent signal. [Connelly*O-MA]
+ JUL 1 0141 - man & woman with EE discussion program; through WGAN splash. [Connelly*R-MA]
- 576 SPAIN RNE5, Barcelona, JUL 9 0314 - SS phone interview, actually better than // 585. [Connelly*H-MA]
- 585 SPAIN RNE1, Madrid, JUL 8 0311 - // 774 with festive Latin American style (salsa-merengue) vocal; very good. [Connelly*H-MA]
- 603 MADEIRA RDP, Pico de Arieiro, JUL 9 0345 - // 693 with PP version of Tom Petty's "Learning to Fly"; poor, in mix with Spain. [Connelly*H-MA]
- 603 SPAIN RNE5, Sevilla / Palencia, JUL 8 0313 - // 585 with SS talk mentioning Cordoba; poor. [Connelly*H-MA]
- 612 IRELAND Athlone, JUN 26 0321 - '70s-era Meatloaf vocal; good. [Connelly*O-MA]
+ JUL 1 0141 - dance-rock music (style of Technotronic); dominant. [Connelly*R-MA]
- 612 MOROCCO Sebaa-Aioun, JUL 1 0105 - serious AA talk by man. [Connelly*R-MA]
+ JUL 10 0013 - AA violins, female vocal; LOUD ! [Connelly*H-MA]
- 621 CANARY ISLANDS // SPAIN RNE1 synchros, JUN 27 0003 - pre-sunset fade-up.
+ JUN 27 0047 - loudest TA: absolutely local- like with fast SS politically-related talk.
+ JUL 1 0140 - torch song type vocal // 684; good. [Connelly*R-MA]
+ JUL 9 2359 - emotional vocal, then SS talk into pips at 0000. [Connelly*H-MA]
- 639 SPAIN RNE1, La Coruna, JUL 8 0321 - // 774 with man in SS; fair. [Connelly*H-MA]
- 648 SAUDI ARABIA (t) Jeddah, JUN 27 0057 - AA talk by man, mention of

- "arabiyah es saudiyah" (Saudi Arabia); dominant. [Connelly*R-MA]
- 657 SPAIN RNE5, Madrid, JUL 8 0335 - // 585 with man in SS; to fair peak with WFAN phased. [Connelly*H-MA]
- 675 NETHERLANDS R. Ten Gold, Lopik, JUN 27 0120 - old soul hit "Reunited" by Peaches & Herb; fair through WRKO slop. [Connelly*R-MA]
- 684 SPAIN RNE1, Sevilla, JUN 26 0216 - // 855 with SS talk; poor to fair. [Connelly*O-MA]
 + JUL 1 0139 - // 774 with romantic '40s-style vocal; good, through WRKO slop. [Connelly*R-MA]
- 693 AZORES RDP, Santa Barbara, JUL 9 0341 - // 836 with folkish female vocal, PP male announcer; good. [Connelly*H-MA]
- 693 UNITED KINGDOM BBC, Droitwich et al., JUN 26 0320 - panel discussion with mentions of India; good. [Connelly*O-MA]
- 702 MOROCCO (t) RTM, Sebba-Aioun, JUL 1 0110 - possible AA talk; poor. [Connelly*R-MA]
- 711.04 WESTERN SAHARA Laayoune, JUN 27 0045 - AA talk at a low audio level on a huge carrier; WOR phased. [Connelly*R-MA]
 + JUL 9 2358 - AA talk, group vocal. This and Canaries-621 were the first-to-arrive strong pre-sunset TA's. [Connelly*H-MA]
- 729 SPAIN RNE1, Oviedo et al., JUN 26 0205 - // 684 with SS talk; poor to fair with CKAC phased. [Connelly*O-MA]
 + JUN 27 0113 - // 1107 with man & woman in SS; fair. [Connelly*R-MA]
- 738 SPAIN RNE1, Barcelona, JUN 27 0043 - operatic vocal, then SS talk; good. [Connelly*R-MA]
- 747 NETHERLANDS Flevoland, JUL 1 0116 - female ballad vocal, then Dutch talk by man; fair to good; over CBGY splatter. [Connelly*R-MA]
 + JUL 10 0202 - man in Dutch; fair. [Connelly*H-MA]
- 756 GERMANY DeutschlandRadio, Braunschweig/Ravensburg, JUL 1 0137 - female soprano operatic vocal, violins; good. [Connelly*R-MA]
- 756 SPAIN R. Euskadi, Bilbao, JUN 27 0123 - SS teletalk. [Connelly*R-MA]
- 765 SWITZERLAND RSR, Sottens, JUL 1 0129 - light classical music; fair. [Connelly*R-MA]
- 774 SPAIN RNE1 synchros, JUN 27 0112 - // 1107 with SS rock, then talk by man; good.
 + JUL 1 0131 - SS teletalk; fair, through CFDR-780 splatter. [Connelly*R-MA]
 + JUL 8 0040 - SS political teletalk; loud. [Connelly*H-MA]
- 783 SPAIN COPE, Barcelona, JUL 8 0237 - // 837 with SS teletalk; poor to fair, in a jumble with 1 or 2 others (likely Syria & Portugal). [Connelly*H-MA]
- 792 SPAIN SER, Sevilla, JUN 26 0211 - SS newstalk; some WSKO slop. [Connelly*O-MA]
- 801 SPAIN RNE1 synchros, JUL 8 0235 - // 855 with man in SS; poor. [Connelly*H-MA]
- 819 MOROCCO RTM, Rabat, JUN 27 0039 - AA vocal sounded like one heard poorly on 207 longwave. [Connelly*R-MA]
- 836 AZORES RDP, Pico da Barrosa JUN 27 0035 - uptempo vocal; fair, Canaries-837 het notched.
 + JUL 1 0145 - plaintive male ballad; poor in 837 QRM. [Connelly*R-MA]
- 837 CANARY ISLANDS // SPAIN COPE synchros, JUN 26 0215 - woman in SS; fair, over 836 het. [Connelly*O-MA]
 + JUL 1 0135 - SS teletalk; huge, stronger than 836. [Connelly*R-MA]
 + JUL 8 0034 - SS talk; good. [Connelly*H-MA]

- 846 ITALY Rome, JUN 26 0215 - classical music; good. [Connelly*O-MA]
 + JUL 8 0157 - classical music. [Connelly*H-MA]
- 855 SPAIN RNE1, Murcia et al., JUN 26 0216 - // 684 with SS newstalk;
 fair to good. [Connelly*O-MA]
 + JUL 1 0135 - SS group talk; in WEEI slop. [Connelly*R-MA]
- 864 SPAIN RNE1, Socuellamos, JUL 1 0149 - // 855 with male folk
 vocal, acoustic guitar; poor, but dominant. [Connelly*R-MA]
- 873 SPAIN SER R. Zaragoza, Zaragoza, JUL 8 0154 - rapid-fire SS talk
 with synchro-echo. [Connelly*H-MA]
- 882 CANARY ISLANDS // SPAIN COPE synchros, JUN 27 0006 - man & woman
 in SS; fair.
 + JUL 1 0134 - SS newstalk; good, over UK. [Connelly*R-MA]
- 891 ALGERIA Algiers, JUN 26 0317 - emotional AA female vocal; to good
 peak. [Connelly*O-MA]
 + JUL 1 0134 - AA vocal; big carrier, light audio. [Connelly*R-MA]
 + JUL 8 0026 - AA vocal, strings, drums; then AA teletalk.
 [Connelly*H-MA]
- 909 UNITED KINGDOM BBC, Moorside Edge et al., JUL 1 0125 - EE
 telephone interview; over AA-sounding co-channel station and slop
 from WABI/WNEZ.
 + JUL 1 0151 - interview about options for students who cannot
 complete a full university curriculum; strong signal.
 [Connelly*R-MA]
- 918 SPAIN R. Intercontinental, Madrid, JUL 1 0151 - SS teletalk; poor
 in CJCH/WHJJ slop. [Connelly*R-MA]
- 936 SPAIN RNE5 synchros, JUL 1 0132 - SS talk by man; mixed with a
 second station that had music. [Connelly*R-MA]
- 954 SPAIN R. Espana, Madrid, JUL 1 0127 - man with SS talk mentioning
 education, then there was an interlude of an operatic- style
 vocal; to very good peak. [Connelly*R-MA]
 + JUL 8 0225 - folk vocal. [Connelly*H-MA]
- 999 SPAIN COPE, Madrid, JUN 27 0030 - hetting CKBW. [Connelly*R-MA]
 + JUL 8 0218 - fast SS newstalk by man; sometimes splittable from
 CKBW. [Connelly*H-MA]
- 1008 CANARY ISLANDS Las Palmas, R. Las Palmas / RadioVoz, JUN 27 0027
 - local SS talkshow; poor to fair.
 + JUN 30 2352 - fade-up. [Connelly*R-MA]
- 1017 SPAIN RNE5 synchros, JUL 8 0217 - SS talk; poor in static
 crashes. [Connelly*H-MA]
- 1026 SPAIN SER synchros, JUN 26 0314 - // 1179 with man & woman in SS;
 to fair peak. [Connelly*O-MA]
- 1035 PORTUGAL R. Nacional, Lisboa, JUN 26 0312 - sad- sounding PP
 vocal with piano backing; poor, slightly over others.
 [Connelly*O-MA]
- 1044 MOROCCO Sebaa-Aioun, JUN 30 2353 - AA vocal; poor to fair.
 [Connelly*R-MA]
- 1044 SPAIN SER synchros, JUN 26 0223 - man & woman in SS; good.
 Slight growl present, possibly from one of the synchros being a
 bit off frequency. [Connelly*O-MA]
 + JUL 1 0154 - SS interview with man & woman; excellent /
 local-like. [Connelly*R-MA]
- 1053 SPAIN COPE, Zaragoza / Castellon, JUL 1 0155 - fast SS talk;
 over/under UK. [Connelly*R-MA]
- 1053 UNITED KINGDOM Talk Radio synchros, Start Point et al., JUL 1
 0155 - EE teletalk; over/under Spain. [Connelly*R-MA]
- 1062 DENMARK Danmarks R., Kalundborg, JUL 1 0157 - mellow pop vocal in
 EE by a group with a Scandinavian accent, then Danish talk by
 man, followed by dance music. HUGE signal. [Connelly*R-MA]
- 1089 UNITED KINGDOM Talk Radio synchros, JUN 26 0227 - EE teletalk; to

- fair peak with WBAL phased. [Connelly*O-MA]
- + JUL 1 0036 - fair with talk about several opinion polls taken among young people. [Connelly*R-MA]
 - 1098 SPAIN RNE5 synchros, JUN 27 0025 - SS talk, music; over growl.
 - + JUL 1 0205 - SS news; over probable Slovakia. [Connelly*R-MA]
 - 1107 SPAIN RNE5 synchros, JUN 26 0255 - // 855 with SS teletalk; to good peak. [Connelly*O-MA]
 - + JUN 27 0112 - // 774 with SS rock, then talk by man; fair to good. [Connelly*R-MA]
 - 1116 SPAIN SER synchros, JUN 26 0254 - fast SS news by woman. [Connelly*O-MA]
 - + JUL 1 0202 - // 1044 with SS news; fair. [Connelly*R-MA]
 - 1125 SPAIN RNE5 synchros, JUL 1 0203 - // 1107 with SS news by woman; fair. [Connelly*R-MA]
 - 1134 CROATIA HR, Zadar, JUL 1 0202 - Slavic talk by woman; over/under Spain. [Connelly*R-MA]
 - 1134 SPAIN COPE synchros, JUN 26 0252 - SS teletalk; to good peak. [Connelly*O-MA]
 - 1143 SPAIN COPE synchros, JUN 27 0024 - fast SS talk by man, then a telephone interview; poor to fair
 - + JUL 1 0207 - SS talk in mess; growl from something on 1143.08. [Connelly*R-MA]
 - 1152 SPAIN RNE5 synchros, JUL 1 0208 - echoey SS talk; over other. [Connelly*R-MA]
 - 1179 CANARY ISLANDS // SPAIN SER synchros, JUN 26 0306 - good with SS news and teletalk. [Connelly*O-MA]
 - + JUN 27 0010 - SS news; over second station.
 - + JUL 1 0004 - SS news & a report from correspondent at a remote location. [Connelly*R-MA]
 - 1188 unID JUL 1 0200 - seemed like EE talk (though perhaps Dutch or Flemish from Belgium), then pips; poor. [Connelly*R-MA]
 - 1197 GERMANY (t) VOA Relay, Munich, JUL 1 0158 - probably this with Slavic talk. [Connelly*R-MA]
 - 1215 UNITED KINGDOM Virgin R. synchros, JUN 26 0235 - Bruce Springsteen (or similar) vocal; to fair peak. [Connelly*O-MA]
 - + JUL 1 0209 - "Kiss Me" by Sixpence None the Richer; excellent local-like signal. [Connelly*R-MA]
 - 1251 LIBYA Tripoli, JUN 26 0237 - bits of AA vocal; poor with tough CBGA/WKBR/WARE/WMTR slop. [Connelly*O-MA]
 - 1296 SPAIN COPE, Valencia, JUN 26 0238 - SS teletalk with man and woman; excellent. [Connelly*O-MA]
 - + JUN 27 0013 - teletalk; through slop. [Connelly*R-MA]
 - 1296 SUDAN Reba, JUN 26 0250 - a repeated 11 or 12 note interval signal came on and totally buried co-channel Spain.
 - + JUN 26 0300 - end of interval signal, march music (anthem), pips (5 groups of 2 short beeps, then one long beep), then AA talk by man; good. [Connelly*O-MA]
 - 1314 NORWAY NRK, Kvitsoy, JUL 1 0212 - Norwegian vocal in a folk / country style like that of Gordon Lightfoot; excellent signal during an unusually good northern opening for this time of year. [Connelly*R-MA]
 - 1359 SPAIN Arganda, JUL 1 0224 - SS talk by man; tough CKBC slop. [Connelly*R-MA]
 - 1404 unID JUL 1 0213 - bits of music. [Connelly*R-MA]
 - 1422 GERMANY DeutschlandRadio, Heusweiler, JUL 1 0020 - Whitney Houston (or similar) vocal; fair.
 - + JUL 1 0223 - classical piano; excellent. [Connelly*R-MA]
 - 1521 SAUDI ARABIA BSKSA, Duba, JUL 1 0222 - huge warm-up carrier (preceding 0300 official sign-on). [Connelly*R-MA]

- 1530 SAO TOME E PRINCIPE VOA Relay, Pinheira, JUN 26 0302 - // 7105 (and clearer because of less QRM): VOA EE news mentioned ethnic Albanians in Kosovo. African news about Nigeria, Liberia, and other countries followed. Strong, over WSAI. [Connelly*O-MA]
- 1539 SPAIN SER, Manresa/Elche, JUL 1 0220 - // 1044 with SS teletalk by man & woman; over second station (Germany ?); WDCD phased. [Connelly*R-MA]
- 1543.8 unID JAMMER (MOROCCO ?) JUL 1 0010 - rough jamming-type carrier; poor. [Connelly*R-MA]
- 1548 UNITED KINGDOM unID station, JUL 1 0011 - light pop music; poor. + JUL 1 0214 - British announcer and nostalgic pops including "The Old Lamplighter"; poor. [Connelly*R-MA]
- 1550 ALGERIA RASD Clandestine, Tindouf, JUL 1 0013 - male AA vocal; slightly over domestics. [Connelly*R-MA]
- 1575 SPAIN SER synchronos, JUN 26 2352 - bits of SS talk; over slight growl. + JUL 1 0014 - woman with SS news. [Connelly*R-MA]
- 1583.6 CEUTA RadiOle, JUN 26 0306 - Moorish style vocal; poor. The 1.8 kHz bandwidth and LSB were used to split this away from the SER-1584 het. [Connelly*O-MA] + JUN 26 2340 - male SS vocal; pre-sunset fade-up. + JUL 1 0015 - pop SS vocal with operatic influences; good, stronger than SER-1584 this time. [Connelly*R-MA]
- 1584 SPAIN SER synchronos, JUN 26 0307 - SS news; poor. Used 1.8 kHz bandwidth and USB to minimize Ceuta-1583.6 QRM. [Connelly*O-MA]

*** PAN-AMERICAN DX ***

- 530 TURKS & CAICOS R. Vision Cristiana, JUN 26 0904 - jazz, R. Vision Cristiana ID; loud. [Connelly*H-MA]
- 535 GRENADA GBC, St. George's, JUL 1 0142 - light rock, Carib-EE talk by man, then old C&W song "Your Cheatin' Heart"; poor. [Connelly*R-MA]
- 555 ST. KITTS & NEVIS ZIZ, Basseterre, JUL 6 0229 - Carib-EE talk, segment of a speech; poor, in WGAN slop + JUL 10 0005 - soca music; very good on Carib-sloper. [Connelly*H-MA]
- 570 CUBA R. Reloj, JUN 26 0905 - Reloj news & time program. [Connelly*H-MA]
- 600 BRAZIL R. Gaucha, ZYK278, Porto Alegre, JUL 10 0012 - likely this with PP political speech or preaching; over others with WICC phased. [Connelly*H-MA]
- 600 CUBA R. Rebelde, CMKV, Urbano Noris, JUN 26 0905 - Rebelde SS news. [Connelly*H-MA]
- 620 BRAZIL R. Assuncao Cearense, ZYH590, Fortaleza, JUL 10 0030 - excited PP speech, Fortaleza mention; over WZON-ME baseball game. [Connelly*H-MA]
- 620 CUBA R. Rebelde, Colon / Moa, JUN 26 0907 - // 600 with SS speech. [Connelly*H-MA]
- 630 PUERTO RICO WSKN, San Juan, JUL 10 0417 - SS talk with local mentions, laughing, joking; just under WPRO and over CFCY/CHLT. [Connelly*H-MA]
- 640 CUBA R. Progreso, Guanabacoa / Las Tunas, JUN 26 0905 - Progreso and "Viva la revolucion !" mentions. [Connelly*H-MA]
- 650 COLOMBIA RCN Antena Dos, HJKH, Bogota, JUL 6 0058 - Colombian sports report, mentions of Copa America. [Connelly*H-MA]
- 670 CUBA R. Rebelde, CMQ, Arroyo Arenas, JUN 26 0823 - running R. Reloj service at this time. + JUL 6 0226 - still doing R. Reloj programming instead of Rebelde.

- [Connelly*H-MA]
- 670 VENEZUELA R. Rumbos, YVLL, Caracas, JUN 27 0116 - Rumbos doorbells, SS talk about Caracas; good. [Connelly*R-MA]
- 690 ANGUILLA Caribbean Beacon, The Valley, JUN 26 0202 - US EE preaching; good; atop SS Latin American. [Connelly*O-MA]
+ JUL 7 0800 - preaching; dominant. [Connelly*H-MA]
- 690 BRAZIL R. Dragao do Mar, ZYH587, Fortaleza, JUL 10 0028 - slow PP vocal, talk; bassy audio; atop Anguilla. [Connelly*H-MA]
- 690 COLOMBIA R. Recuerdos, HJCZ, Bogota, JUL 6 0137 - old-style SS vocal, Colombia mentions; poor, in jumble. [Connelly*H-MA]
- 700 COLOMBIA R. Net, HJCX, Cali, JUL 6 0109 - fast SS talk, crowd noises, CARACOL mention; good, over others. [Connelly*H-MA]
- 700 JAMAICA RJR, Montego Bay, JUN 26 0319 - Caribbean EE local events mentions, then mellow reggae. [Connelly*O-MA]
+ JUL 10 0240 - "RJR" mention, Carib-EE talk. [Connelly*H-MA]
- 705 ST. VINCENT & THE GRENADINES Kingstown, JUL 10 0019 - slow Caribbean EE talk by man; poor. [Connelly*H-MA]
- 720 CUBA R. Progreso, CMHC, Cienfuegos, JUN 26 0204 - "Radio Progreso de Habana" ID; in jumble with CHTN and YVQE. [Connelly*O-MA]
- 720 VENEZUELA R. Oriente, YVQE, Porlamar, JUL 6 0222 - old-fashioned slow folk vocal (man with drum & accordion accompaniment), talk "en Radio Oriente, la senal de Venezuela", then a fast song; over CHTN. [Connelly*H-MA]
- 750 VENEZUELA RCR, YVKS, Caracas, JUL 6 0130 - Venezuela local adverts; through static. [Connelly*H-MA]
- 759.8 CUBA R. Reloj, Las Mercedes & Guanabacoa, JUN 26 0209 - Reloj SS news, ticks, code RR's. [Connelly*O-MA]
+ JUL 10 0201 - Cuba news, clock ticks; dominant over growl from 760.0 stations. [Connelly*H-MA]
- 760 BRAZIL R. Record, ZYH888, Fortaleza, JUL 10 0021 - PP religion; to fair peak; dominant over a low background rumble. [Connelly*H-MA]
- 760 COLOMBIA RCN, HJAJ, Barranquilla, JUN 26 0208 - SS Colombian economic news; best received on USB to dodge Cuba-759.8 growl. [Connelly*O-MA]
+ JUL 6 0116 - // 770 with sports report mentioning Paraguay and Peru, ray gun sound followed; over slight Cuba growl. [Connelly*H-MA]
- 760 VENEZUELA R. Puerto La Cruz, YVQQ, Puerto La Cruz, JUL 1 0130 - Venezuelan sporting event in SS, frequent mentions of "la pelota" (the ball), adverts / jingles, numerous Venezuela references. [Connelly*R-MA]
- 770 COLOMBIA RCN, HJJX, Bogota, JUL 6 0116 - // 760 with SS sports report; under WABC. [Connelly*H-MA]
- 780 VENEZUELA R. Coro, YVMN, Coro, JUN 26 0834 - brassy merengue song, R. Coro ID, then folk-style vocal with accordion.
+ JUL 6 0118 - high-energy dance music with rap influences, R. Coro jingle, then a slow romantic song. [Connelly*H-MA]
- 830 CUBA R. Reloj, JUN 26 0213 - Reloj code "RR's"; mixed with St. Kitts and WCRN. [Connelly*O-MA]
- 830 ST. KITTS & NEVIS TBN, Basseterre, JUN 26 0212 - religious C&W vocal // 7510; through phased WCRN. [Connelly*O-MA]
- 840 CUBA CMHW, Santa Clara, JUL 6 0125 - "programa de la noche" promo, "dobleve" (W) slogan, Habana mentions; good, dominant. [Connelly*H-MA]
- 860 VENEZUELA R. Enlace 860, YVYE, Valle de la Pascua, JUL 8 0031 - "Valle de la Pascua" mentions getting through the static crashes. [Connelly*H-MA]
- 940 COLOMBIA RCN, HJGB, Cali, JUL 7 0722 - "la radio de Colombia"

- slogan; over XEQ/Cuba/unID domestic. [Connelly*H-MA]
- 940 CUBA R. Reloj, JUN 26 0842 - Reloj SS news, code RR's; in jumble with others. [Connelly*H-MA]
- 940 MEXICO XEQ, Mexico City, JUN 26 0858 - automated "La Tropi-Q" ID by woman, then uptempo group vocal; over Reloj Cuban. [Connelly*H-MA]
- 940 unID (domestic?) JUN 26 0221 - classical music program, then EE announcer: similar to programming that used to be on now-silent CRM. [Connelly*O-MA]
- 940 VENEZUELA R. Fe y Alegria, YVLU, Campo Mata, JUN 27 0125 - "Fe y Alegria" ID surfaced over the stew of other co-channel signals. [Connelly*R-MA]
- 940 VENEZUELA R. Punto Fijo, YVNN, Punto Fijo, JUL 1 0153 - R. Punto Fijo ID; over others. [Connelly*R-MA]
- 1000 COLOMBIA RCN, HJAQ, Cartagena, JUN 26 0846 - Colombian news by man & woman in SS; in mix with CKBW and WMVP. [Connelly*H-MA]
- 1050.31 unID JUN 26 0225 - het against WEVD. [Connelly*O-MA]
- 1060 CUBA CMDX, Baracoa, JUN 26 0226 - romantic music at low audio level; over KYW. [Connelly*O-MA]
- 1135.8 unID JUN 26 0253 - weak het against Spain-1134 (not sure if Trans-Atlantic or Pan-American). [Connelly*O-MA]
- 1140 VENEZUELA La Voz del Caribe, Porlamar, JUN 26 0229 - "La Voz del Caribe" ID; through WRVA/CBI. [Connelly*O-MA]
- 1160 BERMUDA VSB3, Hamilton, JUN 26 0232 - // 5975 with trumpet fanfare then BBC economic news about the Microsoft trial, stock prices, genetically-altered foods, and the closing of some North American copper mines. Over WVNJ/WOBM/WSKW. [Connelly*O-MA]
- 1170 COLOMBIA CARACOL, HJNW, Cartagena, JUN 26 0251 - "voz de Colombia" slogan; over WWVA. [Connelly*O-MA]
- 1375.02 ST. PIERRE ET MIQUELON RFO, JUN 26 0239 - FF public speech, then commentary; good. [Connelly*O-MA]
- 1500 VENEZUELA YVRZ, Cumana, JUL 1 0223 - lively music, SS local mentions; over/under WTOP. [Connelly*R-MA]
- 1529.54 unID JUN 26 0305 - low het against Sao Tome and WSAI. [Connelly*O-MA]
- 1610 ANGUILLA Caribbean Beacon, The Valley, JUN 26 0308 - // 690 with preaching about the Ark of the Covenant; good. [Connelly*O-MA]
+ JUL 1 0218 - US EE preaching; over Woods Hole, MA and Hampton, NH TIS's. [Connelly*R-MA]

EASTERN DX FORUM

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Rick Evans, 7416 Hearthstone Way, Indianapolis, Indiana 46227-7923

We made it to Indianapolis all right and I am on my fourth week at work. Feels good to working again after 15 months of being out of work I have had really only one good session of DX here since I started to settle in at the new house. It was a Sunday morning bandscan on 7/11, which means that while it was interesting, it was still difficult in its own way because of the half-hour church programs. I did come up with one mystery TIS: I have it marked down as WCLU-850 on 1610, but a quick check of the FCC database for TIS stations does not show those call letters on 1610. It does indicate a WPLU260 in Whiteland, IN, which is just south of here along US 31, so that undoubtedly is the one I had. I'm up to 72 heard here, but have not really done a full bandscan yet.

My sister will be down from Michigan this coming weekend so that is probably out but after that, I might be able to get at it. I have been listening to WMYS-1430 on the car radio to and from work and really enjoying it. In the "I got lucky" department, I have not noticed any electrical noise on the radio (car or home) here on the block where I live, but only about a quarter mile away, the noise just blankets the car radio something terrible for a block or so. Much much worse than what I put up with down in South Carolina. The next deadline is only 3 weeks away. Can the start of the new season be that close at hand? I have always considered the Labor Day weekend to be the start of the new season for me so I am looking forward to finding out what I can hear. The weather has finally started to cool down a little bit and I understand the sunspots will be on the upswing this year. 73.

DX WORLDWIDE II

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TRANS PACIFIC

AUSTRALIA: 3AB-1116 Melbourne now Greek, ex3EM, 3EM-1341 now Italian ex 3GL (DX Australia). In a reply from Ian Tinney of ABC Brisbane, Australia, Ian comments: "You might be interested to know that the two transmitters on 855 kHz (4QB and 4QO) operate in synchronous mode. Obviously the program is identical, and the carriers are phase locked, well - most of the time anyway! This is not really a satisfactory system from our point of view as there is a lot of fading problems in the 'middle ground' between the two transmitters. This may also explain some of the phasing problems at your end. Actually, 4QB (Pialba) will be closed at some time in the not too distant future, leaving the frequency clear for 4QO (Eidsvold). The 4QB area is now served by FM, and the AM transmitter sits on a few million dollars worth of beach-front real estate." (Ormandy, HCDX)

CHINA: Dongfang-684 800 kw relays R France Intl in French 1300-1400 to southern Vietnam. The site is on the western tip of Hainan Island. Wenzhou PBS 666 ex1575, Jingzhou PBS 828 ex1449, Nantong PBS 1233 ex1440, Xuzhou-1269 ex1449 (Arctic)

HAWAII: KQM-Q-690 went off the air at the end of April, KUAU-1570 is back on after being silent since August (Dale Park)

JAPAN: R Okinawa 864 ex-763[sic]. New relays: Hokkaido Hoso, Enbetsu 864; NHK1-981 Nakatsu; Sapporo TV Hoso 1197 Enbetsu; Oita Hoso 1557 Takeda. JOAR-639 Nagoya-Gifu 0.5kw new, JOIP-639 ex819 5kw, JOAQ-819 ex981 1kw, JOXR-864 x783 since 8/1/98 10kw, JOCR-1395 Kobe-Tajima new 1kw (Arctic)

KOREA, SOUTH: AFKN-1260 ex 1044 (Arctic)

NEW Zealand: 558kHz has replaced 1026kHz for the Southland Radio Sport channel. The AM simulcast of Classic Hits (was on 558kHz) in Southland has been discontinued. New station: 954 Puketapu Radio, Palmerston, East Otago, New Zealand. On-air date April 3rd at 1800z (April 4th 6 a.m. NZT) (Ormandy, HCDX). Transmitter of 100 watts using 35-meter mast located just West of the township. Station is mostly voluntary community-access similar to Radio Ranfurly. "Puketapu" is the name of the high hill located NE of Palmerston, which dominates the area

(Ormandy). Extended use of high power Radio New Zealand transmitters began on 4 June 1999. Since that date, our Parliamentary Radio Network stations: 657 2YC Wellington 60kw, 882 1YC Auckland 10kw, 900 4YC Dunedin 10kw, and 963 3YC Christchurch 10kw are relaying the 'Southern Star Network', an easy listening gospel music program stream of the Rhema Broadcasting Network on a 24 hour basis, EXCEPT when the frequencies are used to carry live broadcasts of debating in the New Zealand Parliament (usually limited to 1400-2200 NZLT Tue/Wed, 1400-1800 Thu). That is only about 800 hours a year, leaving almost 8000 hours which Rhema's 'Southern Star' have now taken up. (Clark, MWC) Radio Sport in Timaru, South Canterbury, (transmitter located at St. Andrews) has moved from 1071 to 1494kHz. (Ormandy)

PHILIPPINES: DZRV-846 ex-DZNN 24 hours, DY..-990 relays DZRH, DYWB-1269 Bacalod operates 2000-1500 with 10kw. DWWW-774 Manila ex DWAT, 25 kw. DYBB-1503 Roxas City seems to be the new stn here, Ids as D-Y-double-B and Super Radio Roxas. DXRJ-1476 Radyo Ascension, Iligan is new part of Rajah Bcing Network (Arctic)

RUSSIA: Evropa Plus, Vladivostok is new 24 hrs, R 1557 may have closed down [I'm not sure if this means Evropa operates on 1557 bp] (Arctic)

TAIWAN: Taiwan BC-621 Tahsi ex639, Cheng Sheng BC Co 675 Peikang ex 1386, Taiwan BC 1170 Kuanshi ex810, Cheng Sheng BC Co 1395 Chisan ex 1377. BCC3-1044 is unlisted, //1062/1386/1467/1539 (Arctic)

LATIN AMERICA

There is a new web site called "Eldorado for LA DXers", which includes useful information for the serious LA-DXer. The URL is <http://www.algonet.se/~mwm/eldorado/index.html> At the moment there are information about 851 verie signers, 630 anniversaries and 430 e-mail addresses and/or links to web-pages, all about radiostations in Latin America.

ARGENTINA: R Esmeralda 1620 has been raided and closed by the government (Arctic) Radio Bolivia 1640 broadcasts from the discoteque "Faraón Bailable in Buenos Aires [possibly unlicensed, i.e. illegal operation bp]. R Cultura 1610 Lanús, R Universo 1620 Glew are new. R Lanús ex 1130 (Arctic)

BOLIVIA: R Emisoras Villamontes uses 1545 per anmt hrd on shortwave (Arctic)

CAYMAN ISLANDS: Both Radio Cayman xrs (1205 & 1555) are permanently off the air due to equipment failures and high maintenance costs. (MWC)

ECUADOR: Radio Iris operates on 529.94 (Arctic)

FALKLAND ISLANDS: FIBS is erecting a new 132 meter tower and will return to medium wave with 15 kw. Frequency not given. To begin operation mid 1999 (Penguin News 1/29/99 via Arctic)

GUATEMALA: TGW-640 is inactive, 1600 is active. TGRT-670, TGHB-760, TGO-790. TGAX-970, TGC-1120, TGRR-1150, TGT-1180 are all inactive. (Arctic)

JAMAICA: The former JBC government stations are now owned by RJR and are parallel (NRC via Arctic)

MÉXICO: XESJC-660 San Juan de Cabo BCS is new, XEL-1260 now 50kw, XEPK-1420 Que Bonita, Pachuca ex XERD, XEPQ-730 ex710, XEAI-1440 now 50 kw (Arctic)

NETHERLANDS ANTILLES: The new "Trans World Radio" magazine says that TWR Bonaire will turn off their 500-kW 800kHz transmitter later this year. It will be replaced by a 100-kW solid-state XMTR (manufacturer unknown, but Continental likely) and a 4-tower directional array, to cover primary target areas of Cuba, Venezuela, the Dominican Republic and the Amazon region. The reason is to reduce operating costs, as the 500-kW rig uses LOTS of electricity. (Glen Kippel)

PERÚ: OAX9V-1185 R Marginal ex920 may be here per ID hrd on SW. However, it could be an old "canned" ID as the station moved from 1185 to 920 in 1996 (Arctic)

TRANS ATLANTIC

BULGARIA: 747 & 1224 foreign service outlets are now using full power of 500 kw (Arctic)

COMORES: Per a visiting DXer there are no MW or SW stations on the air (Arctic)

CYPRUS: Cape Greco 1233 will boost power from 600 to 1200kw by mid 1999 (Arctic)

FRANCE: FIF-585 Paris is on very late at night with nonstop music, very few announcements after 2100 (Arctic)

GERMANY: Deutsche Telekom is installing the Mega Radio transmitter in Wobbelin on 576, tests were to begin 6/99. AFN-1107 xr & freq are now for sale to private broadcasters. 612 will become Power Radio in summer 99. Mega Radio-693 Berlin will start 9/99 with 250 kw. Mega Radio-1575 Burg was scheduled to start 1/99 with 500/200 kw(Arctic). LW 153 & 177 will carry DLF-programs in the future and LW 207 & 261 will carry the DLR Berlin transmissions. (Mobi radio news, via Arctic News Desk, Jul 14)

ICELAND: 666 & 738 are still on the air although RUV officially denies it. Both may leave the air soon. Tests have started on the new 100kw LW xr at Eidar (Arctic)

IRELAND: Radio Na Gaeltachta has closed down 828 & 963 (Arctic)

ISLE OF MAN: The Isle of Man Communications Commission intends to grant a long wave license to the Isle of Man International Broadcasting Company Limited (IoMIBC) subject to the approval of Tynwald, the Isle of Man Government's Court of Government. The station is expected to broadcast under the call sign "MusicMann 279". Their web site is <http://www.longwaveradio.com> (MWC)

ITALY: RAI2-693 Milan ex-1035, Roma-846 now 600/1200kw, Roma 1332 now 600kw (Arctic)

LIBYA: Tripoli-1251 runs Voice of Africa in EE at 2330 & FF at 2345 (Arctic)

LUXEMBOURG: R. Luxembourg 1440 will cease its MW broadcasts & lease the
xr to other broadcasters (Arctic)

MOLDOVA On July 14, the German TWR section "Evangeliumsrundfunk" at
Wetzlar spread out a press release, which emphasized 1548 as the freq,
which will be used for extended TWR services via Grigoriopol from Aug
2nd. In the beginning they will air two hrs of programming in Bulg, Rom
and gypsy languages per day, later also bcs in Mac and Se are planned.
It is stated, that TWR could secure for exclusive rights to air
Christian programming via Grigoriopol and has a precedence over other
bcs to expand it's transmission times [means VoR can anytime driven away
from 1548 on TWR request like from 1386 on any interested bcs request I
guess -kl]. For the 1548 channel these press release also mentions a
power of 1000 kW (claiming it to be the most powerful MW tx in these
region, although it is one amongst other 1 MW outlets there at best),
which I guess could mean that full power operation was arranged with
"the Russians"; somebody mentioned 1548 as currently running on just 250
kW a while ago, although prior to the Kosovo war and VoR special
service, so maybe these is meanwhile out-dated. (Kai Ludwig-D, Jul 15,
via WWDXC)

MONACO: BBC WS is testing on 702 0500-0715 & 1800-2115 (Arctic)

NETHERLANDS: The Dutch government has given permission to build two
antenna towers 35 kilometers off the coast of the Netherlands. The
towers will be used by Delta Radio to transmit their programs to the UK,
probably on longwave. Earlier, Delta Radio tried to get permission to
build antenna towers in the Netherlands near the town of Apeldoorn. This
permission was not given due to many protests of people living in the
neighborhood but also due to environmental reasons because the antenna
towers will be 400 (!) meters in height. The government has no
possibilities to stop the building of the towers in the North Sea; even
the sealife will suffer from the electromagnetic currents and the birds
from the towers. (Max van Arnhem, MWC) 675 will probably change owner
very soon. (BE) 828 will change to Classic Rock during the autumn. (BE)
332 Hoppa R has been testing on this freq from a tx at Alphen a/d Rijn,
30 kms from Utrecht (Ruud Voss in EuroLog) 1485 Haagstad R has been
heard testing with very low power in Hindustani. (Kotalampi's webpage;
all via Arctic News Desk, Jul 14) * Radio 10 Gold (675 kHz) is thinking
of giving up its medium wave frequency. Main reason would be lack of
listeners, especially due to the fact that most people who used to
listen to them on 675 kHz, have turned to the FM frequencies. Whereas
at the beginning 40% listened to MW, this number has now dropped to 4%.
As it costs them 2.4 million Guilders per year, Wegener/Arcade (the
owners) estimates the MW broadcasts will end in three months' time. No
worries for the Dutch listeners, but the foreign listeners will surely
be sad about this. * Dutch public broadcaster NOS has asked the Dutch
media minister whether it is possible to get a 5th FM network. In
return they would give up their Medium Wave frequencies (used now by
Radio 1 and 5). (Radiovisie, via MWC)

POLAND: Tests have been reported on LW 198 in connection with a
major freq reshuffle and tx upgrade planned for this autumn. On Sept
1st, the 1000 kW LW tx at Solec Kujawski (near Bydgoszcz) will be
inaugurated on LW 225. It will replace the 600 kW back-up tx in Raszyn
near Warsaw, which has been working on LW 225 since the collapse of the
Gabin (Konstantynow) mast in 1991. Polskie Radio is planning to use
Raszyn on LW 198 during daytime for one of its programs after Sept.
(Bernd Trutenau, via WWDXC)

RUSSIA: Radio Rossii in St.-Petersburg has changed its transmitter with more powerful and modern one. Instead of former frequency 873 kHz 150 kW in Olgino (20 km northwest from St.-Petersburg) now is used 801 kHz 600 kW in Popovka (30 km south from St.-Petersburg). On 801 kHz the programs of TRK "St.-Petersburg" were transmitted before, however because of financial problems the company has refused this transmitter. (Alexei Osipov MIDXB 109)

UNITED KINGDOM (NON): Direct QSL cards from then BBC, now Merlin relay sites Oman, Seychelles, Cyprus, Singapore. Addr:
BBC East Mediterranean Relay, Box 209, Limassol, Cyprus.
BBC Far Eastern Relay, Box 434, Singapore
BBC Indian Ocean Relay Station, Grand Anse, Mahe, Seychelles
British Eastern Relay Station, Masirah Island, Sultanate of Oman; or Box 3716, Ruwi Post Office, Muscat, Sultanate of Oman. (Martin Elbe-D, Jul 4 via WWDXC)

PUBLICATIONS:

LONG AND MEDIUM WAVE STATIONS IN EUROPE, NORTH AFRICA, AND MIDDLE EAST.
The latest edition (publication date: 17 July 1999) of the publication "Long and Medium Wave Stations in Europe, North Africa, and Middle East" is now available. It can be obtained in two ways:

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Herman Boel, Roklijf 10, B-9300 Aalst, Vlaanderen (Belgium)

Main changes in the new edition are:

* all times in UTC, instead of CET (as requested by many of you).

PLEASE NOTE THAT THIS MEANS YOU YOURSELF WILL NEED TO SUBTRACT ONE HOUR DURING SUMMER TIME!!

* addition of exact coordinates of transmitter site for various broadcasters (to be expanded)

* addition of some images, in order to make the list a bit nicer

* insert of all changes and new information received in the past two months. Thanks to many collaborators this list is now really unique in its sort. It lists all known stations in Europe, North Africa, and Middle East per frequency (with exact locations, power output, transmitting times, and lots of other information), and per country (with addresses and verification information). Furthermore it is very up-to-date (unlike some other publications) and is updated at regular intervals. All feedback (see feedback form in the publication) is most welcome and helps to improve the list even further. 73 Herman Boel. (via WWDXC)

DOMESTIC BROADCASTING SURVEY

This booklet is the replacement for the former TBS - DSWCI Tropical Broadcasting Survey. It covers all domestic bcs from 2200 to 22.000 kHz. It's produced by the Danish SW Club International, and compiled by Anker Petersen. It's 44 pages A4, and may be ordered through Bent Nielsen, Egekrogen 14, DK-3500 Vaerloese, Denmark. Price is DKR 75, DEM 20, 14 IRC's, oe 7, incl of airmail postage. (Nx of the world, Communication BDXC-UK, July 1999 via WWDXC)

RADIO STATIONS IN THE UNITED KINGDOM

The 1999 16th edition (ISBN 09514723-8-0) is now available from the British DX Club. RADIO STATIONS IN THE UK is a comprehensive 52 page

directory of mediumwave and FM radio stations in the UK. It covers all BBC, independent and long-term restricted service license stations and is a must for anyone interested in UK domestic radio - either as a casual radio listener or specialized DXer. This year it also includes a free supplementary guide to radio stations in the Republic of Ireland, including full details of the new RTE Lyric FM transmitter network. Features include:

- Many new stations on the air since the last edition was published
- All stations listed by frequency as well as in alphabetical A-Z order
- Frequencies cross-referenced to show parallel channels
- Transmitter sites and powers, postal and e-mail addresses, telephone and fax numbers.
- Details of the low-power RSL stations at hospitals, universities, football clubs, etc
- The Irish supplement also includes details of many new FM relays

RADIO STATIONS IN THE UK is available from BDXC's London HQ: British DX Club, 126 Bargey Road, Catford, London SE6 2LR. PRICE per copy: 3.00 pounds sterling/7 International Reply Coupons/5 US dollars/DM 10.

- SPECIAL OFFER (UK addresses only): TWO copies for only 5.00 pounds sterling. (All prices include postage. For airmail outside Europe please add 1 US dollar or 1 IRC). Recommended methods of payment:-
- UK Cheque / UK postal order payable to 'British DX Club'.
 - Eurocheque payable in pounds sterling to 'British DX Club'.
 - International Reply Coupons.

(Payment may also be sent in cash or mint UK postage stamps in denominations of 50 pence or less. Cash payments in DM or \$US banknotes also welcome, as are equivalent cash payments in other EU currencies, but NO COINS or foreign cheques please. Registered post is recommended for all cash payments to ensure safe delivery). Email enquiries to: bdxc@hotmail.com BDXC-UK Web site: <http://www.co.umist.ac.uk/BDXC>

SPORTS NETWORK

Ragnar Danneskjold - 1357 S. Hall - Mesa AZ 85204
E-mail: ldxer@juno.com

We are going to finish out the NL West baseball division with this issue of Sports Network. You get to see the smallest baseball network in this issue, the San Diego Padres with only two stations and one is not even in the USA.

Lets get to the nets.

COLORADO ROCKIES

COLORADO

590 KCSJ AM PUEBLO	790 KGHL AM BILLINGS MT
690 KRGS AM RIFLE	790 KUTA AM BLANDING UT
740 KTWK AM COLORADO SPRINGS	1030 KBUF AM GARDEN CITY KS
850 KOA AM DENVER	1150 KIMM AM RAPID CITY SD
920 KLMR AM LAMAR	1200 KXLO AM LEWISTOWN MT
930 KIUP AM DURANGO	1230 KYVA AM GALLUP NM
1010 KSIR AM FORT MORGAN	1240 KWIK AM POCATELLO ID
1150 KCUV AM DENVER (SPANISH)	1250 KIKC AM FORSYTH MT
1310 KFKA AM GREELEY	1330 KTOD AM CONWAY AR
1410 KCOL AM FORT COLLINS	1340 KYLT AM MISSOULA MT
102.3 KSPK FM WALSENBURG	1400 KXGN AM GLENDIVE MT
104.7 KNNG FM STERLING	1400 KCOW ALLIANCE NB

104.9 KFMU FM STEAMBOAT SPRINGS
106.1 KNFO FM ASPEN
107.9 KBKL FM GRAND JUNCTION

1400 KBJM AM LEMMON SD
1450 KMMS AM BOZEMAN MT
1450 KVCK AM WOLF POINT
1450 KRZY AM ALBUQUERQUE NM
1450 KBFS AM BELLE FOURCHE SD
1460 KKPR AM KEARNEY NB
1490 KFFN AM TUSCON AZ
1490 KRSN AM LOS ALAMOS NM
97.3 KKJQ FM GARDEN CITY KS
100.1 KMMR FM MALTA MT

OTHER STATES

610 KCSR AM CHADRON NB
610 KVNU AM LOGAN UT
660 KEYZ AM WILLISTON ND
690 KOAQ AM SCOTTSELUFF NB
730 KLOE AM GOODLAND KS

SAN DIEGO PADRES

760 KFMB AM SAN DIEGO
1470 XERCN AM SAN DIEGO

Perhaps your team is still in the hunt for the playoffs. Good luck to your favorite team.

VERIFICATION SIGNERS

Stephen S. Howe - 8 Dutch Village, Apt. DL - Menands, NY 12204-2930
E-mail: showe@cnsunix.albany.edu

My deadline is the last Wednesday of the month.

CONTRIBUTORS

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Thomas.M.Jasinski@ucm.com
PM Patrick Martin, P O Box 843, Seaside OR 97138-0843;
mwdxer@webtv.net

FREQ CALL NAME, TITLE; ADDRESS; WHAT; WHEN; WHO

530 * Ed Rutherford; Fire Department, 401 Oak St, Roseville CA 95678; Q; 2; GVJ

580 KTMT Todd D Boss, PD; P O Box 159, Medford OR 97501;
kcmx@wave.net; E; 1f; PM

650 KGAB Doug Guyer, CE**; KGAB Radio, 1912 Capitol Ave, #300, Cheyenne WY 82001; F; 11; PM

810 CKJS Don Trueman, CE; 520 Corydon Ave, Winnipeg MB R3L 0P1; L; 10; PM

840 TIS Kim Tam, Electrical Op; CalTrans, 111 Grand Ave, Oakland CA 94612; Q; 3/4; GVJ [Gary verified two CalTrans TIS stations here, one in Benicia CA and one in Novato CA]

860 KBEE Rusty Keys, PD; 434 Bearcat Dr, Salt Lake City UT 84115; L; 9; PM

880 KCMX Todd D Boss, PD; P O Box 159, Medford OR 97501;
kcmx@wave.net; E; 1f; PM

920 KAYO B P Spencer; 3102 Bay Ave, Hoquiam WA 98550; F; 2f; PM

1530 WSAI D Mason, CE; 1111 St Gregory St, Cincinnati OH 45202; Q; 43f; PM

1540 KXPA (Illegible); 5303 Pacific Hwy East, #106, Tacoma WA 98424; F; 41fff; PM

1590 KIHM Lawrence ("Voz") Vosper [KB7VT]; 3550 Barron Way, Suite B, Reno NV 89510; L; 90f; PM

1600 KWOM Randy H.; 709 Jefferson Ave SW, Watertown MN 55388;
randyh@cmgate.com; E; 2f; PM***

1630 KCJJ Tom Suter, Sales Mgr; suterman@iowacity.net; E; 1; PM
 1670 WRNC Richard W Hamilton, Transmitter Eng; 7080 Industrial Hwy,
 Mason GA 31216; F (2nd); PM
 1690 WMDM Tomas ("TC") Cuellar, OpsMgr; P O Box 600, Lexington Park
 MD 20653; L; 25; TMJ

WHAT was received: L = Letter with personalized statement; F = Form
 letter; Q = QSL card, commercially printed; C = Postcard or similar
 card supplied by station; P = Prepared card supplied by DXer; R =
 DXer's report returned with statement; cf = Certificate; E =
 Verification by e-mail; fx = Verification by FAX; M = Coverage map;
 B = Bumper or other sticker; bc = Business card; + = Extra goodies
 WHEN the reply came: Number of days elapsed; f = Follow-up, by mail,
 FAX, e-mail, or visit; n = Return postage not used; r = Return
 postage returned

NOTES: * [for this column] = Callsign is WNEG396; ** [for this column]
 = KGAB-650 signer is also the CE for KLEN, KOLZ, KIGN, and KMUS; ***
 [for this column] = See comment below

Patrick notes that KWOM-1600, basically a non-verifier, can be verified
 by e-mail. This column was prepared on 7/28/99. 73, SSH.

GEOMAGNETIC INDICES

phil bytheway - Seattle WA - philip_bytheway@mukilteo.hac.com

Tabulated from WWV at ~0518 GMT nightly

Geomagnetic Summary June 8 1999 through July 21 1999

7/ 8	149	8	1	low	quiet-unsettled	-
9	151	4	1	low	quiet	-
10	156	4	1	low	quiet	-
11	z	5	3	low	quiet-unsettled	-
12	154	13	2	low	quiet-active	-
13	144	3	1	low	quiet	-
14	130	3	3	very low	quiet-unsettled	-
15	130	10	2	low	quiet-unsettled	-
16	132	5	1	moderate	quiet	-
17	137	4	2	low	quiet	-
18	138	5	1	low	quiet	-
19	141	4	2	high	quiet	-
20	140	5	1	low	quiet-unsettled	-
7/21	147	11	3	low	quiet-active	-

If you note any AM changes (call, format, slogan, etc), please send them
 to the NRC Log coordinator (Wayne Heinen) @ nrclog@aol.com

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NewsTalk 1400

DX WORLDWIDE WEST

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

Hi everyone. DX continues to be on the slow side, but I do have a few reports from several DXers. I would also like to say to Ralph "Thanks for a great 10 years". Now since you won't be doing the publishing, hopefully I can get a report from you once in a while. I wish you good luck in all you do.

PAN AMERICAN DX ROUNDUP

- 730t MEXICO, Caborca, SO. XENY 1216 5/29 playing "All That She Wants" then ID. (RD-AZ)
- 770 MEXICO, Los Mochis, SIN XEFTA playing Mariachi mx version of Veatles "Yesterday" ID at 1215 5/9. (RD-AZ)
- 800 NETHERLAND ANTILLES, Bonaire, man w/rel prg in SS well over Mexico 0900 5/24 (CB-HI)
- 800 MEXICO, Cd. Juarez XEROK 7/18 0410 playing XE mx (RD-AZ*)
- 830 MEXICO, Mexico DF XELA with Tropical mx, phone tip from Dale Park, domestic QRM 0740 7/29 (CB-HI)
- 990 MEXICO, Mexicali XECL mx and ID 0530 5/9. (RD-AZ)
- 990 MEXICO, Monterrey XET 7/22 0346 w/XE man. (RD-AZ*)
- 1430 MEXICO, Cd. Obregon XEOX, 0412 7/18, Contemp. XE mx (RD-AZ)
- 1630 MEXICO, Tijuana, 5/28 2125. New station is testing and sounds ready to go on the air any time. Power 10 KW day and 1 KW nights, seems to get out well. Huge signal in Northern San Diego county. The station is based at the technical school at Universidad Autonoma de Baja California in the Otay Mesa area of Tijuana. Testing with horrible repetitive whatever this stuff is, I won't call it Jazz mx, and promotional anmts for the school. This is a huge prst for me, one of my closest locals. (TRH-CA) (Thx Tim. Apparently this has not signed on as yet and here it is August. Do you know anything ore about it? PM)

TRANS-PACIFIC DX ROUNDUP

- 531 NEW ZEALAND, Auckland, Radio Pacific Islands, 1XP1, Maori type mx Fair w/het 0930 5/23. (CB-HI)
- 738 TAHITI, RFO, excellent man in FF 1457 5/19 (CB-HI)
- 819 NEW ZEALAND, Rotorua (presumed) Good w/class mx 1450 5/19 (CB-HI)
- 945 SOLOMON ISLANDS, Gizo //1035 fair signal //to SW outlet 0945 5/24 (CB-HI)
- 1305 PHILIPPINES, Cebu City DYFX good w/US oldies, mulilanguage anmts by ancr 1408 5/19 (CB-HI)
- 1350 UNID woman talking in Asian lang, soon buried under KSRO 1429 5/19. (CB-HI) (Likely JOER? PM)
- 1512 UNID w/ Indian or Mid East type mx fairly strong for a while 1408 5/19, faded under/Phil. I'd like to think it was Pakistan (CB-HI)
- 1548 AUSTRALIA, Emerald 4QD w/ABC Nx by woman, exc 1400 5/19 (CB-HI)
- 1575 THAILAND, VOA in Lang strong 1430 5/19 (CB-HI)
- 1683t AUSTRALIA, prob the source of the station that sounded GG 1155-1200 5/8. (LG-MT)
- 1701t AUSTRALIA, prob the one w/singing in lang that seemed AA 1157-1201 5/28 (LG-MT)

THANKS TO THESE REPORTERS

CB-HI CHUCK BOEHNKE, P.O. BOX 488, KEAAU, HI 96749 (kale@juno.com)
Drake R8B, Kanuna 200 foot Dipole w/ ANC4.

RD-AZ RAGNAR DANNESKJOLD, MESA AZ (lwdxer@juno.com)
Kenwood R-1000, Zepp Antenna

RD-AZ* RAGNAR DANNESKJOLD, MESA AZ (lwdxer@juno.com)
DXing with homebrew one tube rig, spiderweb coil and scorpions stinger
antenna

LG-MT LARRY GODWIN, 2390 CLYDES DALE LANE, MISSOULA MT 59804
(lbg@selway.umt.edu)
Hammarlund HQ-150, Antennas: Sanserino air-core box loop & Kiwa Loop

TRH-CA TIM HALL, CHULA VISTA, CA (halls@inetworld.net)

E-MAIL DIRECTORY

Charles A. Taylor - calltaylor@prodigy.net

Here's the latest. Note my and Tim Kridel's new addresses. We're victims
of musical ISPs.

1999 IRCA E-Mail Directory
revised 8/5/99

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| ***** | | | |

IRCA BOOKSTORE

IRCA Mexican Log, 5th Edition

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.

Size is 8 1/2" x 11" and three hole punched for easy binding (optional). Prices: IRCA/NRC members - \$7.00 (US/Canada/Mexico/sea mail), \$8.00 (rest of the Americas airmail), \$8.50 (Europe/Asia airmail), \$9.00 (Australia/New Zealand airmail). Non-members: add \$2.00 to the above prices.

A DXers TECHNICAL GUIDE

Now in its 3rd edition (published early 1998), this 155 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 \$10.00 for IRCA/NRC members, \$12.00 for non-members (overseas airmail add \$2.50).

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

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

IRCA AM-FM Almanac, 5th Edition 1991 - (Reprint) is available in loose leaf format. Prices are:

IRCA/NRC member:	US - \$13.00	Canada - \$14.00
Overseas Sea - \$14.00	Overseas Air Mail - \$17.00	
non-members:	US - \$15.00	Canada - \$16.00
Overseas Sea - \$16.00	Overseas Air Mail - \$19.00	

IRCA AM-FM Almanac, 5th Edition 1991 Updaters are also available from the IRCA Bookstore:

Updater 5.2 - Satellite Music Network, Unistar/Transtar, talk updates, BRN, 1991 Baseball.

Updater 5.3 - updated NFL and college football, NHL Hockey, 530/1610 TIS/Highway Radio update, Rush Limbaugh.

Updater 5.4 - updated NBA and college basketball, ABC-AP-UPI-USA network lists, ESPN-SEN sports talk lists, Canadian Music networks and more.

Updater 5.5 - 1992 baseball, Spanish networks, Interstate Radio Network and AM Slogan list updates.

Updater 5.2 - 5.5. Price \$2.00 each US and Canada, \$3.00 each elsewhere.

Updater 5.6 - complete update of the Travelers Information Station List, FCC expanded band allotment list.

Updater 5.7 - complete update of the AM/FM Slogans list. Also Tom Leykis, David Brenner, Pat Buchanan and Larry King talk show affiliates.

Updater 5.6 - 5.7. Price \$3.00 each US and Canada, \$4.00 each elsewhere.

{NOTE: IRCA Almanac (third and fourth editions) are still available for \$5.00 (overseas airmail add \$2.50)}

Sunrise/Sunset Maps

12 maps showing 15 minute sunset and sunrise times for the US and 12 maps showing hourly sunset and sunrise times for the World. Explanation includes use of the maps and examples of DX made possible by a knowledge of SR/SS times.

Prices: IRCA/NRC members - \$2.25 (US/Canada/Mexico/sea mail), \$2.75 (rest of the Americas airmail), \$3.00 (Europe/Asia airmail), \$3.50 (Australia/New Zealand airmail). Non-members: add \$1.00 to the above prices.

IRCA Foreign Logs

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

An Introduction to Broadcast Band DXing

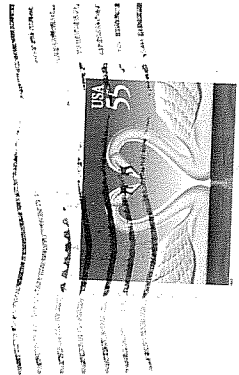
This tri-folded brochure is ideal for explaining the Broadcast Band Dxing hobby and the IRCA. It can be included with reception reports and given to other interested folks. Sub topics include: What is DXing?, Broadcasting's early years, The first DXers, Clubs helped listeners share, Our hobby today and DX clubs still unite listeners. It is two color printed on heavy stock.

Price is \$0.35/brochure (US and Canada), \$1.00 (rest of the world). Minimum order is 10.

IRCA Stationery

Black/red masthead with the IRCA logo and name. Great for using when writing for verifications. 100 sheets, \$5.00 (US and Canada), \$7.50 (rest of the world).

To order any of the above items from the IRCA Bookstore, send the correct amount (in US funds payable to Phil Bytheway) to: IRCA BOOKSTORE, 9705 MARY NW, SEATTLE WA 98117-2334



FIRST CLASS MAIL

37-04
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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 30 times a year, weekly from October to February, twice in September and March, and monthly from April 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

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