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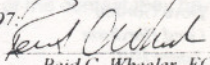
NEW MEMBERS: Brandon Jordan of Memphis TN, Sol Rundbaken of Savannah GA. **REJOIN:** Jim Hilliker of Monterey CA, Dale Park of Honolulu HI. **RENEWALS:** Stephen Howe of Saint Albans VT, Rich Toebe of Concord CA, Raymond Bauermhuber of Rosedale NY, Wolfgang Schneider of Canoga Park CA, Mike Hardester of Jacksonville NC, James Rustik of Kent WA and Herbert Newberry Jr of Newborn GA. A big welcome to Brandon and Sol and welcome back to Jim and Dale. Thank You All Very Much...The Pub.

NEW DX WORLDWIDE EAST EDITOR: Brandon Jordan 375 River Rhodes, Holly Springs MS 38635. Welcome aboard Brandon. I would like to thank Mark Connelly at this time for being a temporary DXWW-E editor. Thanks Mark you done good.....

IRCA MEXICAN LOG - 4th EDITION: The IRCA is proud to announce the release of the 4th 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 1990 are cross-referenced on the old frequency. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. The log has been completely updated from the 1994 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 - \$6.50 (US/Canada/Mexico/seamail), \$7.50 (rest of the Americas airmail), \$8.00 (Europe/Asia airmail), \$8.50 (Australia/New Zealand airmail). Non-members: add \$2.00 to the above prices. Order from: IRCA Bookstore, 9705 Mary NW, Seattle WA 98117.

Election Results
1997-99 Ted Vasilopoulos and Ric Heald Awards

Those of you who attended the annual convention, you already know this year's recipients. For the rest of the membership Patrick Martin was selected for the Ted Vasilopoulos Award and Ralph Sanserino was selected for the Ric Heald Award. Congratulations!

Election results certified as complete and accurate this 2nd day of May, 1997:

 Reid C. Wheeler, ECC

The 1997 IRCA Convention in Costa Mesa, CA was a success with a total of 24 in attendance. The event was held during the final three days of the Orange County Fair. Some members such as Phil Bytheway opted to stay at the hotel as long as two weeks! On Friday morning as I prepared the ballroom, I was greeted bright and early by Mike Stonebridge who traveled all the way from Fox Creek, Alberta. Other members began to arrive bearing gifts and refreshment donations that were all greatly appreciated. At 1 pm we began our caravan to the local radio stations starting with the closest, KBRT-740. They gave us a very thorough explanation of their operations as Bob Wien caught the action on his cam-corder. We then jumped on the 55 Freeway and headed up to the local AAHS World Radio affiliate, KPLS-830 in Orange. They gave us a demonstration of their computerized control board and passed out some goodies. Next we passed the Arrowhead pond and Anaheim Stadium, and found the new studios of KIKF 94.3. Their city of license is Garden Grove but they are located a block north of the KEZY/KORG studios in Anaheim. Administrative Assistant, Jeri Bourroughs, was nice enough to give us the full tour of not only the broadcasting studios where Carrie Dunn was doing her afternoon shift, but also what has to be the largest museum that I've ever seen. It contained antique radios, televisions, phonographs, gas pumps, and antique automobiles once owned by people like Dinah Shore, Humphrey Bogart, and Howard Hughes. We picked up our KIK-FM stickers on the way out. Our final stop was a quick view of the four towers of KWIZ-1480 in Santa Ana. They are located in the middle of a municipal golf course and provide an interesting visual effect. They are actually short enough so they don't require tower lights. I had planned to cruise by the KFI tower site in La Mirada, but time was fleeting so most of us headed back toward the hotel where more attendees were still arriving. I made sure everyone got their traditional guest packet full of stickers, maps, bandscans, etc. Several of us went to dinner at CoCo's on Bristol. Back to the meeting room at 9 pm, I started the slide show consisting of tower photos donated by Tony Fitzherbert, and several of my own taken at various past conventions, etc. . . . not to mention some QSL slide. I only put one person to sleep so it went well. The following day, July 26th, after doing lots of coffee, I was ready for more. Phil Bytheway had brought along his Kiwa pocket loop to demonstrate for us. There was a talking house in nearby Irvine on 1570 khz that was easily heard at our site - also, many TIS stations that one could choose from. More people showed up on Saturday including our long distance record-holder, Dale Park from Honolulu. Our NRC friends, Paul Swearingen and Ernie Wesolowski were on hand. Paul brought several various club bulletins for everybody. He seemed impressed by the Monet artwork in the lobby, as was I. Ernie was also videotaping some of the festivities. At 3 pm we began our official business meeting. Congratulations are in order to this year's TVA winner, Pat Martin, and this year's Ric Heald award winner, Ralph Sanserino. Also congratulations to contest winners Larry Godwin and Greg Hall. Next year's contest was announced and it's sure to be a good one. The need for a new CPC chairman and publisher was discussed, as well as financial aspects. Finally we discussed the feasibility of official Beverage DX-peditions. As of yet there are no bids for the 1998 IRCA convention. I hear Seattle is nice this time of year, hi. At 7 pm in the room next door was the official IRCA banquet consisting of roast beef, potatoes, veggies and chocolate cake. Immediately after dinner we drew names for door prizes. The grand prize, a GE Superadio generously donated by Ralph Sanserino, went to Paul Swearingen. Two first prizes, KRTH backpacks filled with Sony Walkmans and promotional stuff, went to James Hill and Mike Stonebridge. Other consolation prizes included Bloomingdale's bags full of goodies and a year's subscription to Monitoring Times courtesy of Grove Communications. Nine pm was the scheduled start for our annual auction. Most everyone participated and everything was sold off. We had t-shirts, Grudig shortwave portables, R-8A software, Realistic TRF, coffee mugs, videos, books, wallmaps, Sony AM-Stereo Walkman, radio station towels, frisbees, golfballs, and a portable scanner to name a few things - the auction netted \$475. Many thanks to all those who donated and bought items. Steve Jarvis picked up a double-extra-large WRFX t-shirt that looks more like a parachute! Late Saturday night, some stayed up to DX. New station KCCF-1100 in Cave Creek AZ was easily heard here. Sunday at noon, a bunch of us got together at nearby Schiffer Park to partake in pizza, chicken and cokes. A few of us remaining diehards went to Disneyland Sunday night to check out Fantasmic, the light parade, and fireworks. I enjoyed hosting the event and I am considering bidding again someday, possibly at a different location. [VIVA LAS VEGAS!] 73

In attendance:

John Adams	OR	Steve Jarvis	CA	Scott Simenski & son	CA
Phil Bytheway	WA	Curtis McMenamin	CA	Mike Stonebridge	AB
Tony Bytheway	WA	Susie Miller	CA	Paul Swearingen	KS
Dennis Gibson	CA	Alex Papafingos	CA	Rich Toebe	CA
Dave Gordon	CA	Dale Park	HI	Ernie Wesolowski	NE
Gred Hardison	CA	Nina Patterson	CA	Bob Wien	CA
James Hill	CA	Mike Sanburn (host)	CA		
Mr Mrs. Jim Hilliker	CA	Ralph Sanserino	CA		

1997-1998 IRCA DX Contests



Contest Manager: Nancy Johnson

Internet: Nancy_Johnson@prodigy.com

Mail: 979 Neptune Blvd., Billings, MT 59105-2129

1997-1998 IRCA CONTEST RULES

Rules common to both domestic contests:

1. These contests will be open to all IRCA members in good standing. Entrants will be disqualified if they cease to be members of the club.
2. The contests will run from 0001 ELT September 1, 1997 through 2359 May 31, 1998. Stations may be submitted for scoring through June 5, 1998, but reception must be made during the above stated contest period.
3. You must enter prior to October 1, 1997, except that new members may join within 30 days of membership with no new contestants allowed after January 31, 1998. For new members, stations heard for reception on or after September 1, 1997 will be accepted despite entry date.
4. All loggings must be done within 25 miles of your main DX location. Normally, this is your home, for students this might be your college dorm. If a person moves during the contest, a decision on how to handle it will be made at that time on the individual factors.
5. The contest manager will have the final word on all stations and interpretation of all rules, including disqualification of a station for scoring or a member from the contest.
6. Your contest report of stations heard in any particular month must be postmarked by the 5th day of the following month. For example, a station heard on October 12th must be submitted by November 5th to be eligible. Failure to do this will disqualify the item in question for points.
7. If you have entered more than one contest, you must update each contest separately. They may however be sent in at the same time. Contest entries must not be sent along with WDXR DX items as they easily become lost when filed away in the WDXR file.
8. For the purposes of these contests, call letter changes do not constitute a new station. Frequency changes do, however. You may replace one set of call letters for the new letters for the Letterama contest, but both cannot be used.
9. Standings will be updated on the 15th of each month and results published in the next available bulletin subject to normal deadline delays. The final standings will be tabulated on June 15, 1998 and will appear in the July bulletin, subject to space in that bulletin.
10. Neither the contest manager nor the club president will be eligible to join either contest.
11. There are no entry fees for any contest.
12. Stations must be in the normal 530-1710 kHz band, licensed by the US or Canada. TIS and utility stations are not eligible for contest purposes. Loggings may be first time heard or relogs of stations heard before.
13. To count a US station, you must hear the actual call letters. To count a Canadian station, you must hear the actual call letters or hear a recognized slogan plus location.
14. Contest entries may be sent e-mail or postal mail to the address listed above. E-mail entries must not be "attached files."
15. Standings will be updated monthly after the cut off date and results will appear in the next possible bulletin subject to space available.
16. Entry in any contest implies consent to all rules, including those which may appear later as necessity dictates.
17. Prizes: \$5.00 IRCA Bookstore Credit for each contest. Same person can't win both contests. If same person is in first place in both contests they will be the winner of the contest they have the most points in at the end of the contest.

Domestic Contest Number One: States and Provinces

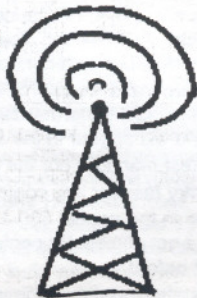
1. The object of this contest is to hear up to 5 stations in each of the fifty states and ten provinces and two territories of Canada. D.C. will be considered a 51st state for this contest, but the three districts of the Northwest Territories will be considered one province. There are no bonus points for type of station. Replacement stations will not be necessary. Once you report a station that remains for the entire year.
2. The first station heard in each state or province will be worth 1 point; the second 2 points, the third 3 points, the fourth 4 points, and the fifth station heard 5 points.
3. There will be a mystery station for each state or province worth an additional 25 points each. The station may be clear, regional, or local. The mystery station will be considered the facility (city, frequency), so if a station changes call letters it will not effect anything. A sealed copy of the list will be given to the president who is ineligible to enter the contests. This list will be published with the final standings.
4. Entries must include the call letters, frequency, city, and state along with date and time heard.

Domestic Contest Number Two: Letterama

1. The object of this contest is to use letters of the station's call letters to form the alphabet. Any position may be used in any tier. Example: kAbc, kcBs, Cbu, kr1D, kEdo, etc. When one tier is completed (entire alphabet) you start on the next tier.
2. There is one point per call letter, if you complete one tier you have 26 points. You do not need to complete the final tier, if you end up with 4 tiers and 21 calls on the 5th tier you would have 125 points.
3. Call letters may be used only once. You may not substitute calls already reported. Example if you use KAAA for the first tier, kAaa, you cannot later move that call to a different tier.
4. Entry reports need to be in alphabetical order. Your first entry may be a partial tier. If you only complete 10 of the first alphabet tier, you would have 10 points to report. You cannot report the second tier until you finish the first, you cannot report the third until you finish the second, etc.

BROADCASTING INFORMATION

EDITOR: ROBERT WIEN
1309 DENTWOOD DRIVE
SAN JOSE, CA. 95118-3020
PHONE: 408-265-5686
E-MAIL: RJWMAIL@WEBTV.NET



DEADLINES: 2nd & 4th Saturdays.

Compiled: 7/19/97

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

NEW STATION APPLICATIONS:

CA. Julian 890 khz. 250/330 DA-2
FL. Havana 1180 khz. 1000/250 DA-N

CONSTRUCTION PERMIT ACTIVITY:

NH. Derry WDER-1320 inc. to 10000-D
 NC. Morganton WMNC-1430 dec. to 2700/46 ND
 NC. Corner Brook CKCX-1340 moves to 103.9 FM

FACILITY & PARAMETER APPLICATIONS:

NE. North Platte KJLT-970 inc. to 550-N, ND
 PR. San Juan WUNO-1320 inc. to 2350-N, ND
 NB. Edmunston CJEM-570 move to 92.7 FM

FACILITY & PARAMETER GRANTS:

FL. Port Charlotte WKII-1090 move to 1070 khz., 3100/260 ND
 KS. Wellington KLEY-1130 change to DA-2
 NC. Eden WETR-830 inc. to 10000-N, DA-2
 PA. West Chester WCHE-1520 inc. to 1000-D, 500-CH, DA-D
 WA. Lakewood KLAY-1180 inc. to 5000-D, DA-N
 PQ. Montreal CEM-940 move to 88.5 FM
 CBF-690 move to 95.1 FM
 Quebec City CBV-980 move to 106.3 FM

CALL LETTER CHANGES:

CA. Palo Alto KDFC-1220 requests KBPA (will become this
 about 8/1-8/8 per call to station-ed)
 San Berardino KMEN-1290 becomes KMRZ "Memories 1290"
 San Mateo KOFY-1050 requests KTCT "The Ticket" (station is
 now KTCT per monitoring, changed 7/15,
 requesting 50 kw. nights-ed)
 GA. Columbus WTMQ-1270 becomes WMLF
 KS. Pittsburg KNHN-1340 requests KSEK
 KY. Louisville WAVG-970 becomes WLKY
 MN. Brantley WLVN-1030 becomes KAWG
 NC. Charlotte WNMX-1480 requests WILT "Total Network"
 Statesville WIST-550 requests WILI "Total Network"
 OH. Lima WCIT-940 becomes WAJC
 OR. Coos Bay KRSR-1420 requests KMHS
 PR. Ponce WLEO-1170 becomes WZUR
 WZBS-1490 becomes WLEO
 SC. Atlantic Beach WMTW-1200 becomes WMIR (CP)
 VA. Alexandria WBZS-730 requests WVPA

FORMAT CHANGES (SECTION 1):

AZ. Cave Creek KCCF-1100 is new, MOR (stds/soft AC)
 CA. Redding KLXR-1230 was talk, sports//KNRO, now WW1 AS
 GA. Thomaston WSFT-1220 was country, rptd. silent
 KS. Liberal KSCB-1270 was talk, adds Sports Byline
 ME. Millinocket WSYU-1240 was oldies, rptd. silent (off air due
 to vandalism, expected back on late
 July)
 MD. Baltimore WITH-1230 was oldies, now Xtian talk//WAVA (plans
 locally-produced Xtian format mid-July)
 MI. Muskegon WKBZ-850 was nx, talk, now stds., talk
 MO. Piedmont KPWB-1140 was s. gospel, now AFR cont. Xtian
 NV. Las Vegas KKVV-1060 was Xtian talk, adds blk gospel (8 PM-
 midnight)
 NY. Lake Placid WIRD-920 was talk, AC//WLPW, adds JSN AC//WLPW
 New City WRKL-910 was AC, talk, now all talk
 NC. Fairview WTZY-880 is new, talk//WTZK-1350
 Kinston WLNK-1230 was talk, now WW1 AS
 Morganton WMNC-1430 was classic C&W, adds JSN classic C&W
 OH. Campbell WASN-1330 was Cont. Xtian, rptd. silent
 OK. Muskogee KBIX-1490 was s. gospel//KHJM, now 1 on 1 sports
 SC. Anderson WANS-1280 was talk, stds., adds JSN stds.
 Hartsville WHSC-1450 was nx, now ABC Real C&W
 TN. Rogersville WRGS-1370 was JSN CD C&W//WEYE, now JSN Classic
 C&W //WEYE

5

TX. Crane KXOI-810 was silent, now SS Xtian
 Eastland KEAS-1590 was s. gospel, now talk, country
 Graham KSWA-1330 was country, now gold-based AC
 VA. Norfolk WTAR-790 was talk, sports, to be WNIS, nx/talk
 WNIS-850 was nx, talk, to be WTAR, talk/sports
 (WTAR and WNIS are switching freq 7/15)
 Virginia Beach WVAB-1550 was nx, rptd. silent
 WA. Everett KRKO-1380 was talk, adds Imus

FORMAT CHANGES (SECTION 2):

FL. Lake Wales WIPC-1280 was talk, now regional Mexican
 Stuart WSTU-1450 was talk, now oldies
 GA. Athens WXAG-1470 was gospel, rptd. silent
 Royston WBIC-810 was oldies, now s. gospel
 LA. Jonesboro KTOC-920 was s. gospel//FM, now classic C&W
 ME. Biddeford WIDE-1400 was talk, sports, now ABC AS
 MD. Annapolis WANN-1190 was country, rptd. silent
 MI. Marine City WIFN-1590 was talk, sports, now Xmas mx (to
 be new format by fall!)
 MO. Jackson KUGT-1170 was cont. Xtian, adds MGS con. Xtian
 MT. Great Falls KEIN-1310 was ABC oldies, now ABC Real C&W
 NE. Kimball KIMB-1260 was country//KSID, now C&W/oldies blend
 //KSID
 Sidney KSID-1340 was country, now country/oldies blend
 NV. Las Vegas KLAV-1230 was talk, SS, now brokered talk
 North Las Vegas KXNO-1140 was travel info, to be sports (fall)
 NJ. Princeton WHWH-1350 was WWI AS, adds talk nights
 NC. Charlotte WILT-1480 was WNMX, stds//FM, now nx/talk
 Statesville WTLI-550 was WIST, AS, now nx/talk//WILT
 OH. Akron WHLO-640 was religion, adds Salem cont. Xtian
 (The Word in Praise)
 OR. Portland KEX-1190 was AC, talk, now all talk
 SC. Rock Hill WAVO-1150 was religion, now nx/talk//WNMX
 TN. Ardmore WSLV-1110 was country, adds ABC Real C&W
 Harrogate WRWB-740 was religion, rptd. silent
 WA. Everett KQWZ-1230 was silent, to be Korean (8/15)
 Puyallup KKBY-1450 was country//FM, to be Korean //KWYZ
 (8/15)

Ye editor passes on the following tip:

UT. North Salt Lake KFAM-700 still this per monitoring as of 7/14,
 has not changed calls to KWLW

5 days till the IRCA convention, I'm getting excited!!! 73's.

DEADLINES: 2nd & 4th Saturdays.

Compiled: 8/02/97

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

NEW STATION APPLICATIONS:

MI. Kalamazoo 1660 khz. 10000/1000 ND
 ND. Fargo 740 khz. 50000/1400/8000 DA-3

CONSTRUCTION PERMIT ACTIVITY:

GA. Gainesville WDUN-550 inc. to 10000-D, DA-N
 PA. Greensburg WHJB-620 dec. to 1300/110 ND
 UT. Tooele KTRB-1010 inc. to 50000/13, 3100-CH, ND

FACILITY & PARAMETER APPLICATIONS:

CA. Gonzales KKMC-880 inc. to 10000-N, DA-2
 Los Angeles KIIS-1150 inc. to 50000/47000 DA-2
 Modesto KTRB-860 inc. to 50000-N, 36700-CH, DA-N
 IL. Waukegan WKRS-1220 inc. to 99-N, DA-2

MS. Meridian WNNB-1290 inc. to 2500-D, ND
 TN. Erwin WEMB-1420 add 32-N, ND
 TX. Bellaire KILE-1560 inc. to 5000-D, DA

FACILITY & PARAMETER GRANTS:

MS. Flowood WPBQ-1240 dec. to 800/800 ND (CP)
 OH. Cortland WKTU-830 inc. to 1000-D, ND

CALL LETTER CHANGES:

CA. San Francisco KPIX-1550 becomes KYCY "Young Country"
 GA. Atlanta WKHX-590 becomes WDWD
 IL. Mount Carmel WYER-1360 becomes WVMC
 IN. Jeffersonville WXVW-1450 becomes WAVG "Wave 1450"
 NY. Rensselaer WQBK-1300 requests WTNM "The Team"
 NC. Charlotte WNMX-1480 becomes WILT "Total Network"
 PA. Bedford WAYC-1310 becomes WOOX
 TX. Denton KINF-1440 becomes KTNO
 UT. Murray KMGR-1230 becomes KWUN
 VA. Norfolk WNIS-850 requests WTAR
 WTAR-790 requests WNIS

FORMAT CHANGES (SECTION 1):

AL. Alexander City WRFS-1050 was silent, now ABC AS
 CA. San Mateo KICT-1050 was KOFY, reg. Mex, now sports
 FL. Cocoa WMMV-1350 was stds., talk, now stds, talk//WMMB
 Pensacola WZNO-1230 was s. gospel, adds Reach s. gospel
 Vero Beach WTTB-1490 was nx, talk, now JSN stds., talk
 GA. Brunswick WPIQ-790 was rel., s. gospel, now talk, sports
 "79 Q"
 GA. Gordon WBNM-1120 was nx, now urban AC//WALJ "Foxy 107"
 HI. Honolulu KGU-760 was talk, sports, now sports
 IN. Brazil WSDM-1130 was talk, adds Reach s. gospel
 LA. Shreveport KIOU-1480 was black gospel, rptd. silent (to re-
 turn late summer)
 MD. Havre De Grace WASA-1330 was stds. //WWLG, now religion
 MN. Albert Lea KATE-1450 was C&W, stds., adds JSN stds.
 NJ. Salem WJIC-1510 was nx, talk, now religion//WNNN
 NM. Milan KCIB-1130 was WWI oldies//KMIN, now WWI oldies
 NY. Rensselaer WTMN-1300 was WQBK, talk, now sports "The Team"
 NC. Eden WETR-830 was gospel, rptd. silent (back in Sept)
 ND. Grand Forks KFJM-1370 was nx, jazz, rptd. silent (won't be
 back till 1998 due to March flood
 damage)
 OK. Chickasha KWCO-1560 was hot AC//KXXX, now ABC Real C&W
 //KWCO-FM
 OR. Coos Bay KHSN-1230 was stds., talk, drops talk
 PA. Williamsport WLYC-1050 was soft AC//WLYC-FM, now classic C&W
 VA. Norfolk WTAR-850 was WNIS, nx, talk, now talk, sports
 WNIS-790 was WTAR, talk, sports, now nx, talk
 WI. Medford WIGM-1490 was AC//FM, to be nx/talk (August)
 BC. Grand Forks CKGF-1340 was AC, now country
 ON. Kitchener CKGL-570 was country, now talk
 PQ. Chapais CFED-1340 was French AC//CJMD, adds FF talk//CJMD
 Chibougamau CJMD-1240 was French AC//CHRL, adds FF talk//CHRL
 Roberval CHRL-910 was French AC, adds FF talk

FORMAT CHANGES (SECTION 2):

AL. Prichard WKSJ-1270 was country//WKSJ-FM, now nx/talk
 CA. Beverly Hills KGIL-1260 was all Beatles, now musicals, sndtrks
 Palmdale KUTY-1470 was regional Mex., adds JSN reg. Mex.
 FL. Tallahassee WHBT-1410 was silent, now AC//WBZE (50 w. STA)
 GA. Decatur WATB-1420 was black gospel, now cont. Xtian//FM
 Summerville WGTA-950 was country, adds ABC Real country
 HI. Hilo KHLO-850 was oldies, rptd. silent

ID. Caldwell KCID-1490 was AC, now ABC real country
 ME. Portland WLOB-1310 was silent, now religion//WWMR
 MO. Fredericktown KFTW-1450 was country, now WWL hot CRW//KYL
 St. Louis KATZ-1600 was blues, talk, now blk gospel "Gospel
 1600"
 NC. Jacksonville WJNC-1240 was nx, talk, adds Fan sports (7 PM-6AM)
 Sanford WXXL-1290 was R&B oldies, gospel, now blk gosp, SS
 PA. Barnesboro WNCC-950 was silent, now oldies
 Ebensburg WRDD-1580 was silent, now oldies//WNCC
 Roaring Springs WKMC-1370 was AS, now AC//WHPA
 TX. Brownsville KBOR-1600 was regional Mexican, now tejano//KTJN
 Houston KENR-1070 was religion, now brokered tik, ethnic
 Nacogdoches KEEE-1230 was nx, talk//KSFA, rptd. silent

Ye editor passes on the following tip:

CA. Palo Alto KDFC-1220 currently running loop tape of samples
 of KKSF-103.7 FM and new Motivational
 Radio format, should be on by 8/8 per
 call to station, calls KBPA

The IRCA convention was great, and I turn 37 on Tuesday! 73's.

GEO INDICES

phil bytheway - Seattle WA - Philip_Bytheway@atk.com

Tabulated from WWV at ~0518 GMT nightly

Geomagnetic Summary June 12 1997 through July 9 1997

GEO - Geomagnetic activity pca - polar cap absorption
 maf - major flare SA - Solar Activity
 mas - major storm spe - satellite proton event
 mis - minor storm ss - severe storm

Date	FLUX	A	K	SA	GEO	OTHER
6/12	70	5	1	very low	quiet	-
13	70	2	0	very low	quiet	-
14	71	2	1	very low	quiet	-
15	71	4	1	very low	quiet	-
16	72	4	1	very low	quiet	-
17	70	3	1	very low	quiet	-
18	71	2	2	very low	quiet	-
19	70	8	1	very low	quiet-unsettled	-
20	70	4	0	very low	quiet	-
21	68	1	4	very low	quiet-active	-
22	70	8	1	very low	quiet-active	-
23	69	5	1	very low	quiet	-
24	70	4	2	very low	quiet	-
25	72	7	1	very low	quiet-unsettled	-
26	72	4	2	very low	quiet-unsettled	-
27	72	11	2	very low	quiet-active	-
28	71	6	4	very low	quiet-active	-
29	70	8	2	low	quiet	-
30	70	3	1	very low	quiet	-
7/ 1	70	2	1	very low	quiet	-
2	70	2	2	very low	quiet	-
3	69	5	2	very low	quiet	-
4	70	5	1	very low	quiet	-
5	70	3	0	very low	quiet	-
6	68	3	1	very low	quiet-unsettled	-
7	70	11	1	very low	quiet-unsettled	-
8	70	3	3	very low	quiet-unsettled	-
7/ 9	70	8	1	very low	quiet-unsettled	-



DX Worldwide - West

PAT MARTIN PO BOX 843 SEASIDE, OR 97138
Time: UTC Phone (503) 861-3185

Here we are with the latest WW-WEST info. The expanded band continues to grow in Duland and apparently Mexico. Sources also say that 1650 Khz is being used by Argentina, Radio Municipal de la Ciudad de Buenos Aires with 10 Kw. It has been logged to South Africa. This info from Chuck Boehnke-Hawaii. 1629 Khz from Australia has been logged here, with carriers there nightly, but only one with audio. Suspect the Hospital Net in Newcastle with 100w. The carrier is very strong in Australia, but weak modulation. We have reports this month from Larry Godwin and Curtis McMenamin. So away we go.

PAN-AMERICAN DX ROUNDUP

- 1180 UNID, SS station here u/KERI. Any ideas? (CM-CA*) (Was this Day or Night? Two or three stations are listed including a 10Kw in La Paz.PM)
- 1170 UNID, SS station not KLOK. Ideas? (CM-CA*) (Again what time and date?PM)

TRANS-PACIFIC DX ROUNDUP

- 531 NEW ZEALAND, Auckland -Pacific Islands Radio, fair with man in Samoan at 0945 8/2. (PM-OR)
- 621 tTUVALU, probably the one with woman ancr in Island mx and talk in splash at 0834 8/2. (PM-OR)
- 1113 UNID, possibly TP. I've noted two competing carriers here around 1200 in late June through July, but never any audio. Not there in the evenings. This not a reg. TP freq. Do you hear anything here? (LG-MT) (larry: Nothing so far, but I'll keep checking.PM)
- 1620 AUSTRALIA, both stations mixing here w/TIS at 1123 8/2. 2AM with ment of call and 4ADR with non-stop dance mx. (PM-OR)
- 1629 tAUSTRALIA, prob. HRN , as this has been a reg. visitor with carrier only of late. On 7/25 at about 1134 hrd a woman talking which sounded like an ending of pgm? Will keep checking. (PM-OR)
- 1638 tAUSTRALIA, presume the weak Euro mx at 1156 in 1640 splat 8/2(PM-OR)
- 1665 AUSTRALIA, Greek Radio continues to be the strongest of the expanded band stations, although 1683 in a close second. (PM-OR)
- 1683 tAUSTRALIA, Club AM prob. the one w/what sounded like Greek mx from 1152-1202 7/25. There was no break on the hour. 2MM-1665 was also in at the time. I don't have enough for a tent. report. (LG-MT)

THANKS TO THESE REPORTERS

- LG-MT LARRY GODWIN-2390 CLYDES DALE LANE-MISSOULA, MT 59804
lbg@selway.umd.edu; rx: HQ-150, Sanserino loop
- CM-CA* CURTIS MCMENAMIN-667 CORTE CASTRO-VACAVILLE, CA 95688
rx: Sony ICF-2010, selectatenna-DXing in Costa Mesa IRCA convention
- PM-OR YOUR EDITOR
Drake R8, term. "U" antenna, Ground system

DX WORLDWIDE EAST

Temporary Editor: Mark Connelly, WA1ION
E-Mail: MarkWA1ION@ix.netcom.com
S-Mail: 30 William RD, Billerica MA 01821-6079

This column is for international DX loggings (no US/Canada station logs by US/Canada DXers) by members in the time zones from Central (winter: UTC-6) eastward to UTC+6. Others: report to Pat Martin's DX Worldwide West.

Please report in the format I've used for my DXWW-E reports. Times are UTC. Dates should use 3-letter month abbreviations (rather than all numbers).

REPORTER:

Mark Connelly
E-mail = WA1ION@ix.netcom.com

*** SUMMER 1997 ROAD TRIP EDITION ***

A week on old Cape Cod provided a lot of swimming by day and DX by night. Also, a few mini-DXpeditions to other sites helped to fill in stations not logged during stays in E. Harwich.

- [H] = East Harwich, Cape Cod, MA (GC= 70.02 W / 41.71 N)
(near junction of Routes 39 & 137: pitch pine forest 2 km from ocean)
[P] = Plymouth, MA (GC= 70.68 W / 41.98 N)
(Robbins Road - Holmes Field, N of Nelson Street Beach)
[R] = Rockport, MA (Granite Pier) (GC= 70.622 W / 42.667 N)

Receiver: Drake R8A

Antennas-Harwich: 25 m east/northeast (Mediterranean) sloper, 25 m southeast sloper, 175 m south wire
Antennas-Plymouth & Rockport: RL-1 remotely-tuned loop, RW-1 active whip
Accessories-all sites: DCP-2 delay-line phasing unit, Mini-MWT-3 regenerative preselector

*** TRANS-ATLANTIC DX ***

- 153 ALGERIA, Bechar, JUL 7 0505 - a cappella male AA vocal; fair. [H]
+ JUL 9 0432 - // 549 w/ woman in AA, then vocal; fair. [H]
+ JUL 15 0119 - AA male vocal & strings; slightly over a classical music station that was likely Germany. [R]
162 FRANCE, Allouis, JUN 28 0224 - woman in FF; fair to good through static crashes. [H]
+ JUL 9 0320 - jazz instrumental, then male vocal; fair. [H]
+ JUL 11 0053 - very good w/ jazz-rock male group vocal. [H]
171 MOROCCO, Nador, JUL 7 0507 - AA vocal w/ rock instrumentation; to good peak. [H]
+ JUL 11 0052 - modern AA music; good. [H]
177 GERMANY, Oranienburg (t), JUL 11 0051 - operatic performance; poor to fair. [H]
+ JUL 15 0120 - apparent GG talk by man, then pop music; fairly strong, but hammered by static crashes. [R]
183 GERMANY, Saarlouis, JUN 28 0224 - FF teletalk mentioning Americans and English; excellent. [H]
+ JUL 9 0319 - good w/ techno-Eurodisco music. [H]
+ JUL 11 0348 - man & woman in FF; good. [H]
+ JUL 13 0310 - FF pop/dance group vocal; loud. [H]
198 UNITED KINGDOM, BBC, Droitwich et al., JUN 28 0223 - discussion about the struggle for democracy in Albania; good signal. [H]
+ JUL 11 0050 - BBC documentary; fair. [H]

- + JUL 13 0309 - EE talk about South Africa; good. [H]
- 207 GERMANY, Aholming / MOROCCO, Azilal, JUN 28 0221 - Germany ("dream-like" classical piano music) mixed w/ Morocco (AA teletalk // 819). [H]
- + JUL 15 0121 - classical flute music from Germany and AA talk from Morocco, in mix. [R]
- 207 MOROCCO, Azilal, JUL 7 0508 - Koranic chanting vocal; excellent.
- + JUL 11 0054 - man w/ AA talk; good. [H]
- + JUL 13 0310 - AA male vocal & strings; over German station & "QI" beacon. [H]
- 216 FRANCE, R. Monte Carlo, Roumoules, JUL 9 0322 - man & woman FF teletalk; excellent. [H]
- + JUL 11 0349 - FF talk by man, then FF vocal; good. [H]
- + JUL 13 0311 - Afro-Caribbean music w/ FF vocal; to good peak. [H]
- 234 LUXEMBOURG, Junglinster, JUN 28 0225 - modern rock EE vocal; excellent. [H]
- + JUL 13 0307 - very good w/ FF announcer who mentioned Albert Camus. [H]
- 252 ALGERIA, Tipaza, JUL 11 0048 - probably this w/ FF talk by woman and a 15-second clip of the Beach Boys "Good Vibrations" song. [H]
- 252 IRELAND, Atlantic 252, Kilmessan, JUN 28 0227 - female group soul / urban vocal "Just One of those Days"; fair. [H]
- + JUL 15 0117 - "I Want You" by Savage Garden; good, way over the static. It's great to hear cool tunes on a signal with international reach: these days in the US, the hot hits are mostly on FM: stations whose typical reach is easily escaped by two hours of highway driving. [R]
- 531 ALGERIA, Ain-El-Beida, JUN 29 0034 - man in AA; just a bit over Madeira & Spain. [P]
- + JUL 10 0136 - fair to good and dominant w/ AA music // huge 549. Algeria-531 was considerably stronger than R.V.C.-530 at the time. [H]
- 531 MADEIRA, RDP, Porto Santo, JUN 29 0041 - PP vocal // Azores-693; just under AA (Algeria) and over presumed Spain. [P]
- 531 SPAIN, RNE5 synthros, JUL 7 0110 - SS talk / joking by man & woman; very good, actually better than // 684. [H]
- + JUL 10 0148 - woman in SS (// 684, 738); mixed w/ Algeria. [H]
- 531 SPAIN/ALGERIA/MADEIRA, JUN 28 0236 - "imbroglio" here w/ an even-strength 3-way battle w/ SS, AA, and PP audios. [H]
- 540 MOROCCO, Sidi Bennour, JUN 28 0238 - fragments of man in AA (// 207, 612); it and WLUX were both buried under a very strong CBT classical music presentation at the time. CBGAL (FF) also started blending in towards the end. QRM would have been less of a problem at local sunset (about two hours earlier). [H]
- 549 ALGERIA, Les Trembles, JUN 28 0236 - AA female vocal & strings; to good peak. [H]
- + JUL 9 0432 - // 153 w/ woman in AA, then vocal; fair. [H]
- + JUL 10 0136 - an absolute pipeline into Algeria on the east sloper with this one in at monster level, obliterating 550. Typical AA music // 531. [H]
- 549 ALGERIA / unID, JUN 25 0150 - Algeria w/ AA music slightly over a second station w/ talk that sounded AA (maybe the Saudi Arabian). [R]
- 558 SPAIN, RNE5 synthros, JUN 29 0114 - bits of SS talk by man; badly hacked by WGAN. [P]
- + JUL 10 0145 - // 684 w/ mellow male SS vocal; poor to fair. [H]
- 567 IRELAND, RTE R.1, Tullamore, JUN 29 0113 - political commentary by man in EE; fair over unID station (probably Spain) and CJEM slop w/ WMCA phased. [P]
- + JUL 9 0305 - EE folk-rock female vocal. [H]
- 576 SPAIN, RNE5, Barcelona, JUN 28 0235 - // 585 w/ orchestral music; poor, in slop. [H]
- 585 SPAIN, RNE1, Madrid, JUN 28 0234 - // 684 w/ light orchestral music; loud. [H]
- + JUL 10 0145 - // 684 w/ SS vocal; very good. [H]
- 603 MADEIRA, RDP, Pico de Arieiro, JUL 10 0400 - // Azores-693 w/ classical music followed by pips and PP talk. [H]
- 603 SPAIN, RNE5, Sevilla / Palencia, JUL 10 0144 - // 585, 684 et al. w/

- man & woman in SS talking over background music; to good peak. [H]
- 612 IRELAND, Athlone, JUN 29 0117 - fast-talk EE DJ; briefly breaking over the jumble of Morocco/Spain/others. [P]
- 612 MOROCCO, Sebaa-Aioun, JUN 28 0237 - // 207 w/ man in AA; good.
+ JUL 6 0157 - AA violins & vocal // 207. [H]
- 621 CANARY ISLANDS // SPAIN, RNE1, JUN 28 0402 - // 774 w/ SS news & telephone interview; fair. [H]
+ JUL 5 2338 - SS teletalk; good on pre-sunset fade-in. [H]
+ JUL 7 0521 - still at fair quality (note late time for July DX): woman in SS. [H]
+ JUL 9 0327 - fast SS teletalk; huge - signal still good when re-checked at 0440 UTC. [H]
- 639 SPAIN, RNE1, La Coruna et al., JUN 28 0351 - SS male folk vocal & guitar; good, // weaker 684. This one, because of its north-coast Spain location, fades out quite a bit later than higher-powered 684 that has more land in its way heading west-northwest. [H]
- 657 SPAIN, RNE5, Madrid, JUL 11 0403 - // 684 w/ SS news; poor to fair. [H]
- 684 SPAIN, RNE1, Sevilla, JUN 28 0234 - // 585 w/ light orchestral music; in mix w/ likely Serbia. [H]
+ JUN 29 0024 - man & woman in SS talking about "America Latina"; good w/ WRKO in easy northwest loop null. [P]
+ JUL 10 0144 - man & woman in SS, musical interludes; huge. [H]
- 693 AZORES, RDP, Santa Barbara, JUN 28 0358 - // 836 w/ PP folk vocal; good. [H]
+ JUN 29 0041 - // Madeira-531 w/ PP vocal music; slightly over BBC UK. [P]
+ JUL 10 0400 - // Madeira-603 w/ classical music followed by pips and PP talk. [H]
- 711 WESTERN SAHARA, Laayoune, JUN 29 0022 - male group AA vocal; poor to fair over 50 Hz rumble; WOR phased. [P]
+ JUL 6 0151 - AA man over growl & some WOR slop. [H]
+ JUL 7 0525 - AA violins; poor, fading into the slop. [H]
+ JUL 10 0142 - this and possible Libya mixing to create a raucous 50 Hz growl that was stronger than WOR-710 at times. [H]
- 729 SPAIN, RNE1, Oviedo et al., JUN 28 0252 - // 684 w/ mellow SS vocal; poor, sloped by WJTO & residue of phased CKAC. [H]
- 738 SPAIN, RNE1, Barcelona, JUN 29 0103 - man in SS w/ news; over other station that sounded Middle Eastern, some CHCM slop present. [P]
+ JUL 6 0202 - fair w/ SS teletalk / news interview. [H]
+ JUL 10 0148 - // 684 et al. w/ woman in SS; good. [H]
- 756 SPAIN, R. Euskadi, Bilbao, JUN 28 0403 - SS news by woman; good, alone on channel. [H]
+ JUL 11 0404 - news by man in SS; fair to good. [H]
- 765 SWITZERLAND, RSR, Sottens, JUN 29 0102 - classical music; fair to good. [P]
+ JUL 9 0242 - good on peaks w/ classical music. [H]
- 774 SPAIN, RNE1 synchros, JUN 28 0402 - // 621 w/ SS news & a telephone interview; fair. [H]
+ JUN 29 0059 - SS male/ female duet in a C&W style; slightly over Egypt. WABC splash was held off by a tight cardioid phase-null; CFDR-780 slop was the main QRM problem here. [P]
+ JUL 10 0151 - // 684 w/ woman in SS, then big-band jazz followed by "Torna a Sorrento" operatic vocal; very strong peaks, ripply fades, some CFDR slop. [H]
- 819 EGYPT, Batra, JUN 29 0120 - man in AA briefly over Morocco & Spain. Tough WNYC slop held off by careful phasing. [P]
- 819 MOROCCO, Rabat, JUN 28 0220 - AA teletalk // 207; slightly over Spain/Egypt/others. [H]
- 819 SPAIN, EI, San Sebastian, JUN 28 0220 - talk by man in SS popped up quickly before fading under Morocco. [H]
- 836 AZORES, RDP, Pico da Barossa, JUN 28 0358 - // 693 w/ plaintive PP folk male vocal; good. [H]
+ JUN 29 0121 - cheery PP male vocal somewhat in the style of Maurice Chevalier's FF songs; excellent signal. [P]
+ JUL 7 0324 - rock music; fair over 837 het. [H]
+ JUL 10 0154 - dance-rock; good, killing 837. [H]
- 837 CANARY ISLANDS // SPAIN, COPE synchros, JUN 28 0217 - SS panel

- discussion; very good, better than Azores-836 at the time. [H]
 + JUL 6 0023 - monotone-delivery SS talk by man, over unID station & Azores-836 het. [H]
- 846 ITALY, Rome, JUN 28 0216 - classical music; strong, noticeably better than it had been about 20 minutes earlier. [H]
 + JUN 28 0257 - loud w/ female operatic vocal. [H]
 + JUL 10 0155 - classical music hitting a good S9+5 dB peak. [H]
- 855 SPAIN, RNE1, Murcia et al., JUN 28 0216 - // 684 w/ mellow acoustic guitar & SS vocal; good. [H]
 + JUN 29 0053 - excellent w/ SS cocktail-lounge style vocal, guitar. [P]
 + JUL 10 0156 - // 585, 684 et al. w/ operatic-style SS male vocal; good to excellent. [H]
- 864 EGYPT, Santah, JUN 29 0150-0152 - usual Koranic male vocal. Initially this was mixed w/ several others including something that had wild Afro/Berber/AA screaming & stick-banging stuff (Morocco ?). Then the Egyptian came up to a very strong level, blasting in well over the rest of the pack. [P]
 + JUL 10 0157 - male AA Koranic a capella vocal; very good at S9+10 on the Mediterranean (east) sloper. [H]
- 873 SPAIN, SER R. Zaragoza, Zaragoza, JUN 28 0214 - // 1044 w/ SER SS newstalk; fair through WLAM-870 slop. [H]
- 882 UNITED KINGDOM, BBC Wales, Washford, JUN 25 0116 - man in EE; poor to fair. [R]
- 882 UNITED KINGDOM / CANARY ISLANDS, JUN 28 0217 - EE talk and SS talk exactly equal in strength. [H]
- 891 ALGERIA, Algiers, JUN 25 0113 - AA talk by man; good. [R]
 + JUN 28 0212 - usual monster signal w/ AA violins & vocal. [H]
 + JUL 6 0005 - flutes, then AA talk by woman; good. [H]
 + JUL 10 0159 - massive S9+25 signal, but audio not as clear as on // 549. [H]
- 909 UNITED KINGDOM, BBC R.5 synchros, JUN 28 0211 - EE talk; over a mix of others. [H]
- 918 SPAIN, R. Intercontinental, Madrid, JUN 28 0210 - man in SS; fair. [H]
- 936 SPAIN, RNE5 synchros, JUN 28 0208 - // 684 w/ romantic SS vocal; good, over others. [H]
- 954 SPAIN, R. Espana, Madrid, JUN 28 0207 - SS teletalk w/ man & woman; excellent. [H]
- 1026 SPAIN, SER synchros, JUN 28 0204 - SS news // 1044; poor to fair. [H]
- 1035 unID, JUN 28 0154 - unID pop or C&W vocal, not // Italy-846 so possibly England or Scotland instead (or is Portugal active ?). Jumpy signal: fair peaks but often in the muck. [H]
 + JUN 28 0340 - somebody playing a recent re-make version of the 1964 "Shoop Shoop Song" hit. [H]
- 1044 SPAIN, SER synchros, JUN 25 0109 - SS news; fair to good. [R]-
 + JUN 28 0150 - SS talk w/ several different people on the phone (apparently a conference call); good. [H]
 + JUN 29 0010 - SS teletalk; fair to good. Something else noted under: Morocco probably closed before this, so subdominant is unID. [P]
 + JUL 7 0328 - SS teletalk; good. [H]
 + JUL 13 0323 - very good w/ man & woman SS talk // 1575. [H]
- 1053 UNITED KINGDOM, Talk Radio synchros, Start Point et al., JUN 28 0148 - EE teletalk over Spain; poor to fair in WEVD slop. [H]
 + JUN 29 0127 - // 1089 w/ EE teletalk about cars; fair to good w/ WEVD phased. [P]
- 1089 UNITED KINGDOM, Talk Radio synchros, JUN 28 0145 - male talk show host & a woman on the telephone; to fair peak w/ WBAL phased. [H]
 + JUN 29 0129 - // 1053 w/ car discussion; to excellent peak (way over other, SAH evident). [P]
- 1098 SLOVAKIA, Nitra, JUN 25 0208 - mellow instrumental; good, well over Spain. [R]
- 1098 SPAIN, RNE5 synchros, JUN 28 0142 - // 1107 w/ SS teletalk; fair, well above presumed Slovakia which had music. [H]
 + JUL 10 0219 - fair (over growl) w/ emotional SS male vocal, flamenco guitar, & piano: was // 1107. [H]

- 1107 SPAIN, RNE5 synchros, JUN 28 0138 - SS teletalk by man & woman; to good peaks, but jumpy fades. [H]
 + JUN 29 0131 - local-like w/ SS talk by man. [P]
 + JUL 10 0219 - // 1098 w/ SS male vocal, flamenco guitar, piano; to good peaks, but w/ bouncy fading pattern. [H]
- 1116 SPAIN, SER synchros, JUN 29 0132 - excited SS talk; fair to good. [P]
- 1134 CROATIA, HR, Zadar, JUN 29 0134 - techno/Eurodisco instrumental influenced by "La Bamba"; loud, mixed w/ Spain. [P]
- 1134 SPAIN, COPE synchros, JUN 29 0134 - SS talk by man over/under Croatia; strong. [P]
- 1179 SPAIN // CANARY ISLANDS, SER synchros, JUN 28 0331 - fast SS newstalk (w/ synchro echo) in Cuba-1180 slop. [H]
- 1197 LESOTHO, BBC relay, Lancer's Gap, JUL 15 0050 - man & woman in EE w/ BBC documentary mentioning Tories and Conservatives; to fair peaks (over static crashes and co-channel jumble). WKOX-1200 put in loop/whip cardioid phase null. [R]
- 1215 SPAIN, COPE synchros, JUN 28 0315 - fast SS talk by man; dominant. [H]
- 1215 UNITED KINGDOM, Virgin R. synchros, JUN 29 0136 - EE talk about music and sporting events next week in London; good, over Spain. [P]
- 1251 LIBYA, Tripoli, JUN 25 0053 - AA talk by man, then flutes, AA talk by woman; excellent. [R]
 + JUN 28 0315 - man in AA initially loud, then faded. [H]
 + JUN 28 2359 - AA talk by woman already up to powerhouse level prior to local sunset. [P]
- 1305 SPAIN, RNE5 synchros, JUN 28 0314 - // 855 w/ emotional SS female vocal; fair. [H]
- 1314 NORWAY, NRK, Kvitsoy, JUL 15 0159-0200 - bouncy C&W style music, then Norwegian talk by man; fair. [R]
- 1349 MAURITANIA, R. Mauritanie, Nouakchott, JUN 24 2342 - AA vocal at low modulation on S8 carrier: sun still shining brightly at time of reception. [R]
 + JUN 28 2351 - flutes, screaming-type vocal fading up; het had become audible at least 15 minutes earlier. In late spring and summer, this and 1544 are often the earliest audible pre-sunset Trans-Atlantics. [P]
- 1359 SPAIN, Arganda, JUL 10 0229 - SS newstalk; fair. [H]
- 1395 NETHERLANDS, Lopik, JUL 15 0202 - Dutch teletalk; to fair peak. [R]
- 1422 GERMANY, Deutschlandradio, Heusweiler, JUL 15 0204 - good w/ news by man in GG. [R]
- 1485 SPAIN, SER synchros, JUN 28 0309 - man w/ SS talk / teletalk; fair. [H]
- 1530 SAO TOME & PRINCIPE, VOA, Pinheira, JUN 28 0300 - Yankee Doodle theme interval signal, then EE VOA news w/ lead item about accident at the Mir space station; atop WSAI. [H]
- 1544 ALGERIA - CLANDESTINE, Tindouf, JUN 28 2356 - female, then male, AA vocals & strings; pushing past WDCD/WMYF/WADK slop during pre-sunset fade-up. Better than 1349 at the time. [P]
 + JUL 5 2334 - emotional a capella female vocal starting to fade in at this time. [H]
- 1548 KUWAIT, VOA, Kuwait City, JUL 15 0022 - VOA news commentary (man in US EE); poor to fair w/ the 1550 blob (CT, others) in an approximate phase null. [R]
- 1566 SWITZERLAND, R. Eviya, Sarnen, JUN 28 0304 - Alpine folk instrumental w/ classical influences. Yodelling vocals followed. To good peaks but w/ jumpy fades typical of high-band high-latitude stations heard in the summer. This has since left the air and has thereby improved everyone's chances to hear India, Iran, etc. [H]
- 1575 SPAIN, SER synchros, JUL 13 0323 - // 1044 w/ man & woman in SS; poor. High-band DX not impressive lately. [H]
- 1608 GERMANY, DHJ59, Wilhelmshaven, JUL 15 0206 - RTTY utility station; good strength. [R]
- 1619.5 NETHERLANDS, Scheveningen, PCH, JUL 15 0207 - repeated cycle of "PCH" Morse code ID and 8 data bursts; excellent. [R]

*** PAN-AMERICAN DX ***

- 526 BAHAMAS, ZLS, Stella Maris, JUL 11 0303 - "ZLS" code beacon; fair w/ some R.V.C.-530 slop. [H]
- 530 TURKS & CAICOS, R. Vision Cristiana, JUL 7 1658 - SS religious talk on daytime groundwave; fair through static crashes. At night this comes in at local quality. [H]
- 535 GRENADA, GBC, St. George's, JUN 28 0400 - Carib-EE talk by man, then religious-sounding music & talk; fair. [H]
 + JUL 5 2340 - soca w/ influences from '60s soul hits by Wilson Pickett & Otis Redding; already good pre-sunset on SE sloper. [H]
 + JUL 7 0310 - oldies including "Take It Easy" by the Eagles; fair to good. [H]
 + JUL 11 0356 - "Secret Garden" by Bruce Springsteen; good. [H]
- 555 ST. KITTS & NEVIS, ZIZ, Basseterre, JUN 25 0149 - fair w/ calypso / soca vocal. [R]
 + JUN 28 0359 - reggae vocal w/ strong drum beat backing; good. [H]
 + JUL 11 0357 - end of a teletalk show; good. [H]
- 570 CUBA, R. Reloj, JUL 13 0103 - R. Reloj SS news & time show w/ on-the-minute "RR" code beeps; mixed w/ WMCA and hetted by Ireland-567. [H]
- 600 CUBA, R. Rebelde, CMKV, Urbano Noris, JUL 7 0340 - // 670 w/ ragtime jazz piano; good / dominant. [H]
 + JUL 9 0518 - over growl; classical music // 620, 670, 710. [H]
 + JUL 13 0109 - rambling SS talk by man & woman extolling the virtues of the Cuban revolution, corny '50s type reverb was used, then a mellow patriotic folk vocal was played. Initially huge, then it faded into a jumble w/ likely Venezuela/Colombia/WICC. [H]
- 620 CUBA, R. Rebelde, Colon / Moa, JUL 9 0518 - // 600, 670, 710 w/ classical music; to good peak over WZON/WVMT mix. [H]
- 630 PUERTO RICO, WSKN, San Juan, JUL 13 0318 - "Super Cadena" jingle, then Puerto Rican news in SS; in mix w/ CFCY/CHLT/WPRO. [H]
- 640 CUBA, R. Progreso, Guanabacoa / Las Tunas, JUL 13 0432 - to good peak w/ SS news about Cuba, // 660. [H]
- 640 GUADELOUPE, RFO, Pointe-a-Pitre, JUL 7 0515 - man & woman in FF; atop jumble of Cuba/WNNZ/others. [H]
 + JUL 13 0434 - man in FF talking about military & business issues. [H]
- 650 COLOMBIA, RCN Antena Dos, HJKH, Bogota, JUL 5 0132 - good / dominant w/ SS news mentioning trade partnerships between Colombia and European nations such as France. [H]
 + JUL 6 0204 - national sporting event coverage // HJAJ-760 at the time; good. [H]
- 660 CUBA, R. Progreso, CMHG, Santa Clara, JUL 13 0435 - // 640 w/ bits of music; poor, way under WFAN. [H]
- 670 CUBA, R. Rebelde, CMQ, Arroyo Arenas, JUL 7 0340 - // 600 w/ ragtime jazz piano; under others. [H]
 + JUL 9 0518 - over others w/ classical music // 600, 620, 710. [H]
- 670 SURINAME, RADIKA, Paramaribo, JUL 7 0019 - dominant w/ Hindi (or similar language) dramatic presentation or political harangue. Radio Rumbos was audible slightly behind. [H]
- 670 VENEZUELA, R. Rumbos, YVLL, Caracas, JUN 25 0035 - SS baseball game coverage w/ crowd noise. [R]
 + JUL 12 0218 - Venezuelan league baseball; good. [H]
- 673.4 CANADA, CKXB, Musgravetown (NF), JUN 28 0243 - noted in passing on this freq. Is this heard in Europe? [H]
- 690 COLOMBIA, HJCZ, Bogota, JUL 7 0318 - SS talk w/ several Bogota mentions; mixed w/ other Latin American, both stations were under CBF. [H]
- 710 CUBA, R. Rebelde synchros, JUL 9 0518 - // 600, 620, 670 w/ classical music; under WOR. [H]
- 720 VENEZUELA, YVQE, Porlamar, JUN 25 0155 - old-fashioned SS group folk vocal, ID "R. Oriente, la senal de Venezuela"; good w/ CHTN looped. [R]
 + JUL 12 0021 - Oriente mention and SS talk by two men; over CHTN and second SS station. [H]
- 750 VENEZUELA, YVKS, Caracas, JUN 25 0033 - SS talk about Venezuelan baseball; loud. [R]
 + JUL 5 0140 - SS discussion about social-service agencies in Venezuela and cooperation with similar organizations in the USA;

1680 unID, JUL 12 0451 - bits of Latin American music, then SS talk by man; poor. Probably a harmonic of a 560 kHz or 840 kHz South American. [H]

*** BADX MINI-DXPEDITION TO ROWLEY, MA: 15 JUL 1997 ***

A four-member contingent of the Boston Area DXers (BADX) went out to the Parker River National Wildlife Refuge at the east end of Stackyard Road in Rowley, MA. The area is a large salt marsh separated from the open Atlantic by a narrow barrier beach (Plum Island). In the past, wires up to Beverage length have been installed here successfully. Low tide makes the air smell "fishy", but it's the best time to string out antennas. This time around, the two main wires used were approximately 600 ft. (182 m) to the east and 400 ft. (122 m) to the south. An RL-1 remotely-tuned loop and two other shorter wire aerials were also used. The DXers who participated were Tom Beaton, Mark Connelly, Bruce Conti, and Gary Thorburn. Some of us had fortified ourselves for the outing by consuming massive amounts of seafood at the Clam Box in nearby Ipswich just prior to venturing into the salt marsh. The weather at the time was relatively cool (for July) and quite humid with overcast and sometimes foggy / drizzly conditions. Not too far to the west of us there was a transition zone between the cool moist ocean air and a much warmer (and also humid) air mass. This led to thunderstorms over CT and western MA: the static from these storms was an impediment to reception most of the time. The DXer group arrived at the site between 7 and 8 p.m. EDT, set up antennas, and got into actual DXing from 8 to 10 p.m. EDT / 15 JUL (= 0000 to 0200 UTC / 16 JUL). It was interesting to me to note what was coming in as I'd been quite active over the previous week from Harwich, MA on Cape Cod. The Rowley site is better for Europe than for South America and the Caribbean, nonetheless Bruce found R. Barcelona from Venezuela competing with WTIC on 1080. Somebody in Spanish wasn't too far behind WBBR-1130: Venezuela has been heard on that channel before. The first foreign DX signals that popped up just before sunset were Algeria-1544, Spain-1044, and Mauritania-1349. As the evening progressed, it was apparent that it was not going to be a night to hear anything rare. Static and strong domestic short skip - both characteristic of summer-made DX a challenge. Since Gary was relatively new to international MW DXing, I set things up so that his receiver could be fed from an I.C.E. active splitter after my phasing unit and regenerative tuner. His Drake R8A could also be switched to a random wire for bandscanning. I set up the phasing unit / regen. box combo on selected Trans-Atlantics and told him to tune to the frequency of interest. Among stations that came in reasonably well (by summer standards) were the UK Talk Radio outlets on 1053 and 1089, Virgin Radio (UK) on 1215, VOA Kuwait - 1548, Germany-1422, Azores-836, Switzerland-765, Algeria - 891 & 1544, Netherlands-1395, and Croatia-1134. I had spotty reception of Norway-1314 through blistering CKEC-1320 splash and at about 0130 UTC, there was a hint of some high-band Middle East dawn enhancement on the east wire. Saudi Arabia on 1512 showed up with a fat carrier (but light audio that was severely challenged by WNRB slope), Kuwait-1548 peaked nicely, and there were carrier glimpses from the Iranians on 1386 and 1566. Just before 0200 UTC, the Saudi-1521 carrier came on and it was massive, blowing WWKB out of the water on the east wire. What I found interesting was how poorly the low-band Spaniards were doing compared to the excellent hour-after-sunset signals that they had put in on Cape Cod a week earlier. Usual RNE big guns such as 585, 684, 774, and 855 were quite weak at the Rowley site that evening - this time the UK stations (882, 909, 1053, 1089, 1215) were the better performers. I didn't take formal log details on this trip because I'd heard everything on Rockport and Cape Cod outings over the previous two weeks. I was more interested in the flow of conversation, ideas, and information that only a group DXpedition can provide. I'm sure that Tom, Bruce, and Gary will have their own accounts of the Summer '97 "DX / Clams" outing.

*** UTILITY "OTHERNESS" - FISHING BEACONS ? ***

I'm not sure where all these "birds" are coming from, but many exhibited signal variations consistent with skip rather than groundwave. Some of the same ones could be heard from several Massachusetts locations. Here's

a list taken from Harwich between 0420 and 0450 UTC on JUL 12 (order is chronological): A363-1633, NA97-1631, 9?258-1717, B524-1723, B537-1736, 9WT174-1773, 94W371-1785, 95W152-1797, 94S109-1793, 93W172-1781, SS45-1781, 94W407-1757, 2DKL-1758, BX42-1691, VH09-1689, 9W134-1684, and BH79-1674. Usually you get about 4 or 5 CW ID's followed by what seems like a lengthy silent period before the ID cycle occurs again. Some of the beacons sharing the same frequency seem to have their operating and silent times coordinated so as not to "step on" each other, but that's not always the case. I think I've just scratched the surface on possible loggings. It would be nice to know the exact geographical locations. Any help will be appreciated.

GEO INDICES

phil bytheway - Seattle WA - Philip_Bytheway@atk.com

Tabulated from WWV at -0518 GMT nightly

Geomagnetic Summary July 10 1997 through August 6 1997

GEO - Geomagnetic activity	pca - polar cap absorption
maf - major flare	SA - Solar Activity
mas - major storm	spe - satellite proton event
mis - minor storm	ss - severe storm

Date	FLUX	A	K	SA	GEO	OTHER
7/10	69	7	1	very low	quiet-unsettled	-
11	69	3	0	very low	quiet	-
12	67	0	0	very low	quiet	-
13	67	2	0	very low	quiet	-
14	68	1	1	very low	quiet	-
15	69	9	2	very low	quiet-unsettled	-
16	70	5	1	very low	quiet	-
17	z	z	z	z	z	-
18	70	6	1	very low	quiet-unsettled	-
19	71	8	2	very low	quiet-unsettled	-
20	71	5	1	very low	quiet-unsettled	-
21	71	5	1	very low	quiet-unsettled	-
22	72	2	1	very low	quiet	-
23	76	4	1	very low	quiet-unsettled	-
24	79	10	2	low	quiet-unsettled	-
25	80	4	1	low	quiet	-
26	77	3	1	very low	quiet	-
27	75	5	0	very low	quiet	-
28	74	3	2	very low	quiet	-
29	73	2	2	very low	quiet	-
30	z	4	5	very low	quiet-mis	-
7/31	70	20	3	very low	quiet-mis	-
8/ 1	71	7	1	very low	quiet-unsettled	-
2	71	3	1	very low	quiet	-
3	72	9	3	very low	quiet-unsettled	-
4	z	z	z	z	z	-
5	75	2	0	very low	quiet	-
8/ 6	77	0	1	very low	quiet	-

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IRCA Bookstore, 9705 Mary N.W., Seattle, WA 98117-2334. Thank you!

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WESTERN DX ROUNDUP

Nancy Johnson
979 Neptune Boulevard
Billings, MT 59105-2129



Electronic Mail: Internet: Nancy_Johnson@prodigy.com

WDXR DEADLINES: August 22, September 4, Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

- (LG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59804 lbg@selway.umd.edu
Hammarlund HQ-150, Sanserino air-core box loop & KIWA loop
- (GH) Glen Hansen-1638 SE Knight #1-Portland, OR 97202
Hammarlund HQ-180A, Sony 2010, various longwires, Sanserino box loop
- (GJ) Gary Jackson-7735 Center Parkway-Sacramento, CA 95823
FRG 8800, KIWA loop
- (JcJ) John Johnson-979 Neptune Blvd.-Billings, MT 59105
(JcJ-WA) DX'ing at various locations in WA state with 1995 Ford Mustang radio
(JcJ-ID) DX'ing at Osburn, ID with 1995 Ford Mustang radio
- (NJ) Nancy Johnson-979 Neptune Blvd.-Billings, MT 59105
(NJ-WA) DX'ing at various locations in WA state with 1995 Ford Mustang radio
(NJ-ID) DX'ing at Osburn, ID with 1995 Ford Mustang radio
- (PT) Pete Taylor-6002 Bayview Dr. NE-Tacoma, WA 98422-1227
Sony 2010 & Palomar loop
- (BP) Bob Pietsch-230 Winchester Court-Foster City, CA 9440403543 marbob@ix.netcom.com
Sangean 803-A
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118 rjwmail@webtv.net
GE Superadio II, GE long-range portable, Select-Antenna

OF SPECIAL INTEREST

- 670 KVCA CA, Simi Valley 7/14 0350 poor in KBOI null thru KNBR splash with talk about Simi Valley, local spot in Spanish, faded out under splash. Ex-KWVK. (RW-CA)
- 1050 KTCT CA, Sar. Mateo 7/15 0215 with all sports format, IDs as "The Ticket - 1050." Is sister station to KNBT-680 and will be the flagship station for the Oakland Raiders. Ex-KOFY. (BP-CA)
+7/15 0937 usual good strong daytime signal with Ron & Don show, several spots, "The Ticket Sports Ticker." Had run loop tape all night prior night promoting KTCT. Call change, ex-KOFY. (RW-CA)
- 1220 KDFC CA, Palo Alto 7/25 1900 back from silent period apparently with repetitive clips of soul & smooth jazz, with constant reminders to tune to KGSF-103.7, although not simulcasting with them. Still IDs (very rarely) as KDFC. Still same format today (7/27), will continue to keep a watch on this. (BP-CA)
+Per call to sation 7/15, changing to KBPA and "Business & Personal Achievement" ala KYPA-1230 Los Angeles on 8/1 or so. Station being sold to Douglas Broadcasting at that time. FM will remain classical. Currently AM simulcasting FM's classical. (RW-CA)
- 1290 KMRZ CA, San Bernadino 7/7 0503 good with many IDs, nostalgia music thru KAZA with KNSN nulled. Call change, ex-KMEN. (RW-CA)
- 1550 KYCY CA, San Francisco 7/23 1000 good with ID "Young country., KYCY-AM San Francisco," back into Imus. Call change, ex-KPIX. (RW-CA)
- 530 WNBQ844 WA, Moses Lake 7/22 2014 info about Moses Lake activities and visitor services. (JcJ&NJ-WA)

- 540 XE "Bach" BCN, Tijuana 7/7 0800 noted with ID that sounded like XEBCH but unsure, have to check. Probably call change, ex-XETIN. (RW-CA)
- 560 KPQ WA, Wenatchee 7/20 1005 while on I-90 near Spokane heard "KPQ News." (JcJ&NJ-WA)
- 610 ?KRRA? OR, Medford 7/21 0820 tentative in KFRC null with Spanish. Good, but faded out, no ID. KAVL took over. Tentative, ex-KYJC. Still checking on this one.... (RW)
- 620 KWAL ID, Wallace 7/23 1147 C&W, local spot numerous KWAL IDs. 1200 "Today's country, KWAL Wallace, studio and transmitter in Osburn," into ABC news. Heard while driving between KWAL towers at Osburn exit. (JcJ&NJ-ID)
- 690 ?KECN? ID, Blackfoot 7/19 2254 evidently the strong station in Spanish with a commercial for a Blackfoot business. I've never heard it in Spanish before. (LG-MT)
- 730 KULE WA, Ephrata 7/20 1029 while driving on I-90 heard weather, at 1030 "Talk 730 KULE Ephrata, Moses Lake" ID, into CNN Headline News. (JcJ-WA)
- 830 KPLS CA, Orange 7/8 0100 ID in children's voices "KPLS Orange-Las Angeles," into AdCon oldies music? (GH-OR)
- 840 TIS CA, San Bruno 7/1 0910 new CalTrans TIS/HAR with traffic. (GJ-CA)
 WPBW721 CA, San Rafael 6/30 0852 poor, no trace of either San Mateo or Santa Cruz CalTrans stations. Noted with mentions of serving Marin & Contra Costa counties. New, report sent. (RW-CA)
 +7/1 new TIS/HAR strong with traffic. (GJ-CA)
 + 7/11 1957 with test message. Operated by CalTrans to provide advisories for US 101 and I-580. Decent signal, would imagine transmitter is probably in or about San Rafael, CA. (BP-CA)
- TIS CA, Santa Cruz 7/1 0915 new TIS/HAR with traffic. (GJ-CA)
- KVEG NV, North Las Vegas 7/8 male gave weather report into Art Bell at 0110. Fighting it out with unID oldies. Perhaps KSWB? (GH-OR)
- 860 (KTRB) CA, Modesto 7/7 0500 off second MM out of three, with open carrier. KMVP audible under XEMO again. (RW-CA)
- 870 KLSQ NV, E. Las Vegas-Laughlin 7/23 0100 weak but topping the channel with English ID amidst Spanish programming. (PT-WA)
- 880 KIXI WA, Mercer Island 7/11 0100 man said "AM 880 KIXI Mercer Island, Seattle, Tacoma." Rarely comes in this strong. (GH-OR)
- 890 KDXU UT, St. George 7/8 0200 male gave ID into ABC news. (GH-OR)
- 920 KXLY WA, Spokane 7/8 0300 female ID into news. ID'd as "KXLY Spokane-Coeur d'Alene." New. (GH-OR)
- 1100 ?KCCF? AZ, Cave Creek (Phoenix) 7/14 0823 tentative in KFAX null, poor with Peter Cetera song, faded out before an ID. Came back up at 0830 then gone when unID soft AdCon music. Should have been 50kw at 0815. New station on air, 50kw days and 1kw nights (directional south). (RW-CA)
- 1220 KBET CA, Canyon Country 7/23 0215 ID "Santa Clarita's only AM radio station K-B-E-T." Adult contemporary format. Generally dominating with some fading. With KDFC silent nothing else noted unfortunately, only spurs of KNBR & KPIX (of which I have many) and second harmonic of KFRC. (BP-CA)
- 1250 KLLK CA, Willits 7/18 2339 "K-double L-K" noted all alone (no KWSC even) at varying levels with KKDZ off. (PT-WA)
 (KKDZ) WA, Seattle off all day 7/18. Usually their night signal is fair but steady using loop; now it's as if they disconnected their ground system. The het disappeared with they were off but is back. (PT-WA)
- 1280 KDYL UT, Salt Lake City 7/21 0402 very strong over mess with CNN news then NOS music. Possibly testing on day pattern. (RW-CA)
- 1300 KLER ID, Orofino 7/30 0759:30 s/on strong (no anthem). (LG-MT)
 KKOL WA, Seattle the calls are back, more or less. The ID is "This is (very unemphasized) k...KOL (loud) Seattle" All other between ID references are to "KOL." Conservative talker #2 in the market. Logged 7/19 0100. (PT-WA)
 +7/30 0759 ID'd as The right stuff...conservative talk radio... KOL" ex-KMPS. (LG-MT)
- 1370 KXTL MT, Butte 6/30 0020 oldies with unID Art Bell station in background. Not heard for months. (GH-OR)

- 1490 KRCD ID, Chubbock 7/16 snuck through the nash with call ID at 0900. Rare here. (LG-MT)
- KENE WA, Toppenish ID'd at 0900 7/10 after C&W cut, "As American as apple pie, KENE." (LG-MT)
- KTEL WA, Walla Walla 7/19 announced "Your home for real country" before call ID at 0900. (LG-MT)
- CJPR AB, Blairmore 7/25 2300 weak but on top when woman gave legal ID. Also in at 2300 7/28 when man ID'd for CJRP & what sounded like CJBV. (LG-MT)
- 1500 ?CKAY? BC, Duncan 7/8 1150 male gave ID only as the "Valley's Radio." Station then faded into mess. (GH-OR)
- 1580 ?KBLA? CA, Santa Monica 7/8 0757 "Radio Korea" probably the one in unID Oriental language. (LG-MT)
- 1590 *KLIV* CA, San Jose 7/21 0345 with open carrier, caused by technical problems during tape of city council meeting they were playing, back on at 0400 with CNN news. KXSP strong as usual, unID talk underneath. (RW-CA)
- ?KIHM? NV, sun valley 7/21 0855 tentative, ex-KIRS, after KXSP fadeout. Faded up with "Dr. John" show, but faded before 0900 and too much KLIV after switch to day pattern at 0900. Will keep checking... (RW-CA)
- 1600 KCPX UT, Centerville 7/20 0100 English ID amid Spanish programming. Never assume anything; all along I thought this was KGST! (PT-WA)
- 1610 TIS CA, Sequoia National Park 7/3 0800 with mention of no gas in park, delays due to construction, etc. (GJ-CA)
- KOD717 WA, Mount Rainier National Park 7/20 1708 TIS located at Paradise giving info about the Paradise area of the park. (JcJ&NJ-WA)

HELP WITH UNIDS

- 1300 Stan Weisbeck's logging of CKWX-1130 here 5/7 may have been CJME in Regina, SK. I've noticed CKWX now announces the time as "so many minutes past the hour," and recently gave weather for SK and MB. Maybe CJME was relaying CKWX. (LG-MT)

UNID

- 530 7/7 0528 unID TIS under Los Altos TIS with ID that sounded like WNJT-527, but unsure. May be San Mateo TIS but will keep checking. (RW-CA)
- 990 7/13 Spanish speaking station fighting it out with 2 others. No ID at 0200, then faded. (GH-OR)
- 1490 7/17 0759 woman ID'd as Supertalk 1490 and gave the station's phone number 963-4122. I called this number in area codes 208 and 406; no such number. (LG-MT)
- 1610 7/6 0844 tentative, heard mention of windmills & male announcer saying "Further when plants are operating then can sell their electricity to southern California Edison." Signal in & out, then gone. Two possibilities, San Gorganiti Pass near Palm Springs, and Tehachapi near Bakersfield. (GJ-CA)
- 1620 7/26 0915-1100 station playing a variety of obscure R&B, Blues, pop from the late 50's, etc. Pirate? Always 15-20 seconds of dead air between selections. Signal became weaker as the evening progressed. ID only as "Columbia River Radio." (GH-OR)
- 1620 8/1 suspected TIS had a warbling tone for 30 seconds every 2-3 minutes around 0756. The tone sounded like a European police siren. Does this match any of the CA TIS? (LG-MT)
- 1640 7/13 female announcer playing Black Gospel music at 0215. Great signal then faded very abruptly. (GH-OR)

Robert Wien sends along a note that he, Mike Sanburn and Curtis McMenamin noted WPIE852 on 1500 in Beverly Hills, CA on 5/4 (7/4???)--NJ) at 1500 with mention of phone number 310-285-2552, ID on the hour and talk of crime prevention program. TIS stations seem to be turning up everywhere these days. Hope everyone is having a good summer. John and I were in western Washington recently to visit my mother and to get Billy and Melanie for the summer. While there we went to Mt. Rainier since I hadn't been there for many years. We didn't have much time to visit anyone other than family.

Central DX Roundup



Editor: John C. Johnson
Internet: John_Johnson@prodigy.net

FOR THE RECORD

E-Mail: John_Johnson@prodigy.net Mail: 979 Neptune Boulevard, Billings, MT 59105-2129
Next deadlines: 8-22, 9-4. Please report all times as Eastern. Keep tips to less than a month old.

RIDING GAIN

- [SA-MB] **Shawn Axelrod**, Winnipeg, Manitoba, Canada. saxelrod@mb.sympatico.ca
Drake R-8, Icom IC-R70 with filter mods and Palm board.
4' box loop, Quantum loop, 145' longwire, 100' indoor wire.
- [RCP-IN] **Robert C. Pote**, Greenwood, Indiana.
Drake R8A, Quantum loop, GE Superadio III.
- [JcJ+NJ-MT] Your editor and wife using the 1995 Mustang car radio along I-90.

SPECIAL INTEREST

- 1480 **KLMS** NE, Lincoln. **EX-KMEM**. 0727 fair to good. 2252 with One-on-One Sports. Several ID's as "Sports Radio 14-80" and "Lincoln's most sports, KLMS." New format and now back to old KLMS calls. [SA-MB]

DOWN THE DIAL

- 580 **KANA** MT, Anaconda. 7-19 good. 1151 with "The great 58, KANA" and rock oldies. Also heard on 7-23 at 1604 out of CNN News into Dr. Laura S. [JcJ+NJ-MT]
- 600 **KSJB** ND, Jamestown. 7-27 good. 2210 with country music. Using a new slogan now as "Roughrider Country." [SA-MB]
- 750 **KERR** MT, Polson. 7/23 good. 1215 with "50,000 watt KERR" ID. [JcJ+NJ-MT]
- 770 **WYRV** VA, Cedar Bluff. 7-16 fair and alone. 0522 with "Stay tuned to 770 WYRV in Cedar Bluff, VA." Into a Gospel song. [RCP-IN]
- 950 **WSPA** SC, Spartanburg. 7-7 through local WXLW's OC. 0436 with ID by female. [RCP-IN]
- 960 **WERC** AL, Birmingham. 7-7 fair. 0432 with "News talk 9-60 WERC" slogan ID frequently used. Local news. [RCP-IN]
- 980 **WWRC** DC, Washington. 7-18 fair, o/u/WONE. 0435 with several mentions of "AM-980" followed by traffic and interstate highway updates for DC and the Rockville, MD area followed by a legal ID. [RCP-IN]
- 1450 **KGRZ** MT, Missoula. 7-23 fair. 1330 noted with Fox Sports. No ID heard. [JcJ+NJ-MT]
- 1500 **WBZI** OH, Xenia. 7-23 fair to poor, but alone. 0525 with country format. Station ID "WBZI" out of a Hand Williams, Sr. Song. [RCP-IN]

25 YEARS AGO

August 12, 1972 issue of IRCA's "DX Monitor" - Stephen Howe of Great Neck, NY said he was 18 and had DX'ed since 11/69 hearing 34 states - Bill Nittler of McCook, NE told of his return to NE - Larry Godwin of Boulder, CO told about his trip to Fairbanks, AK and his visit to KJNP, North Pole - Blake Lawrence of Canon City, CO logged K1KN-1590 for his 1000th station - Bruce Portzer of Seattle, WA told of his DX at Lake Cushman, WA on the July 4th weekend.

OPEN MIKE

The easiest way to find something lost is to buy a replacement. Shawn has informed me that he will be dropping his IRCA membership. ☹️ Shawn has been a regular in this column over the past 10 years. We are sad to lose Shawn as a CDXR reporter, and we will miss his DX'pedition tales. Shawn said he has been enjoying the summer heat as you don't have to shovel it off the driveway nor pump it out of the basement. We will also miss Shawn's humor. 73, John.

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Eastern DX Roundup

Editor: LEE FRESHWATER
414 SE 3rd ST
OCALA FL 34471

E-Mail: LFreshwate@aol.com

Welcome to August. Hard to believe that another DXM Volume has gone by. Next time it's BI-MONTHLY ! Send in your contributions TODAY !!!!!!!

STARS OF THE WEEK

- (CB-NY) Charles Bernth Eastport, NY VIA E-MAIL
Sony 2010/GE SRIII. R&F Black Box III
- (JD-AL) J.D. Stephens 106 Anita Dr., Madison, AL 35758-7163
Drake R-8, SR II, Panasonic RF-2600, Rad shack
di-pole/ Shotgun Loop, 75' l.w. VIA E-MAIL
- (BA-PA) Brandon Artman 515 Maryland Ave. West Chester, PA 19380
Yacht Boy 400 / Whip VIA U.S.P.S.

LOGGINGS

- 1420 KQV PA Pittsburgh 7/10 0200 Only ID surfaced: "And now, KQV's Newswatch continues with CNN Radio News" That quick, in mess of static. Local WCOJ-1420 signs off at midnight.
(BA-PA)

SPECIAL INTEREST

Received the following from JD Stephens : We've had some discussion on the UNID station I heard on 1160 back in the Fall, which only ID'd as "This is Gospel 1160 from Columbus, NC" You had researched this and sent me information that this station was WHKP with studios in Hendersonville, NC. As it turns out, it's not, and I wanted to pass this on for inclusion in EDXR, in case others hear the station and wonder who it was they heard. I received this response today for my reception report to WHKP (which, according to the letterhead, broadcasts on 1450) "WHKP, Radio Hendersonville, INC, sold the 1160 station in Tryon to Anchor Broadcasting in Brevard, NC in August of 1993. They in turn sold to Columbus Broadcast Corp. in December, 1995. The new address is WJFJ Columbus Broadcasting Corp. PO Box 1204, Columbus, NC 28722. So the 1160 station in Tryon is WJFJ with Studios in Columbus. (editors note: Sorry for the confusion JD, We were NOT aware the station had been sold. In fact the last time I visited Norm at WHKP, he never mentioned it, and all the micro-wave equipment that was installed for the Tryon station was still in the equipment rack- ed)

TIS/HAR

- 1630 TIS NY JFK Intl. Arpt. 7/23 0630 Parking rates & color coded signs to various parking lots. Back on 1630 after brief sojourn on 1640 (CB-NY)

UN-IDEN:

- 1420 ???? 7/10 0225- On freq. after local WCOJ signed off at 0000. This stn had a religious format- under 1410 WPOP bleedover. (BA-PA)
- 1510 WNRB?MA Boston ?? 7.10 0202 Does WNRB have SS programming overnight, or is this something else?? (BA-PA)
- 1530 ????? 7/10 0232 Under 1520 WWKB bleed over. Religious format-

heavy southern accented male giving extensive listing of phone numbers of churches around the country with services. Mentioned "Overcomer Radio Network." Don't think it was WSAI, but could be wrong. (BA-PA)

HELP WITH UN-IDEN:

re 7/19 RW-MA 1480- This is "Stars 1350 & 1480" 1350 WRNY Rome, NY &
1480 WADR Remsen, NY (CB-NY)
1590- This is WMIM Mt. Carmel, PA. This station
propagates well during the late night hours with
usually a local like signal. (CB-NY)

A BIG EDXR Welcome to Brandon. Always nice to have some "new blood" in the column. Hope to hear from you often this coming season. Speaking of that, it's "Just Around the Corner" Glad to hear the Convention was a BIG SUCCESS, congratulations to Mike Sanburn. Sorry I missed it, perhaps next year ????? Next time, we start the bi-weekly editions for September, then ON TO THE WEEKLIES !!! See you then....73's and all the best... fresh



Sequoia and Kings Canyon National Parks

QSL

Confirming reception of ;

Station KPB748 T.I.S.

Frequency 1610 Khz

Power Out 10 Watts

Date July 3, 1997

Time 0500 to 0600 PDT



Jim Purvis
Jim Purvis 7/5/97
Telecommunications Manager

- very good, over others. [H]
- 760 COLOMBIA, RCN, HJAJ, Barranquilla, JUL 6 0204 - national sporting event coverage in SS // HJKH-650 at the time; good. [H]
- + JUL 7 0100 - SS political talk, RCN & R. Suceso ID's; huge. [H]
- 770 COLOMBIA, RCN, HJXJ, Bogota, JUL 7 0100 - // HJAJ-760 w/ bits of SS talk; under WABC. [H]
- 780 BRITISH VIRGIN ISLANDS, ZBVI, Roadtown, Tortola, JUL 12 0010 - man in Carib-EE mixed w/ two SS LA's on the southeast sloper that side-nulled CFDR. On other antennas, CFDR dominated. [H]
- 810 COLOMBIA, CARACOL, HJCY, Bogota, JUL 6 0207 - Colombian sports coverage in SS; sometimes over CJVA/WGY. [H]
- 830 ST. KITTS & NEVIS, TBN, Basseterre, JUN 25 0127 - // 7510 w/ EE talk by John Haigey (?) about prophecies and a Bible study guide; mixed w/ WCRN, CFJR. [R]
- + JUL 9 0150 - // 7510 w/ preaching, hymn; huge, killing WCRN. [H]
- 840 CUBA, CMHW, Santa Clara, JUL 13 0211 - Cuban folk music; huge / dominant. Next to no sign of WHAS. [H]
- 840 ST. LUCIA, R. Caribbean International, Castries, JUL 5 2350 - soca music then Carib-EE announcer; poor in jumble. [H]
- 840 unID, JUL 15 0102 - someone w/ a "R. Noticias" ID or slogan briefly popped out of the stew. [R]
- 840 VENEZUELA (t), probably YVMY, JUL 5 0144 - SS advert in jumble seemed to be for the "primer banco venezolano". [H]
- 860 BRAZIL, ZYJ459, Rio de Janeiro, JUN 25 0130 - PP talk by man briefly over SS stations w/ CJBC looped. [R]
- 860 unID, JUL 5 2359 - merengue / salsa music, ID or slogan "Tropical Ocho Sesenta" somewhat over mess, not sure if real DX or an ethnic domestic such as WTEL-PA. Use of callsign at top of hour not noted, but possibly lost to QRM. [H]
- 895 ST. KITTS & NEVIS, VON, Bath Village, JUN 25 0040 - Caribbean soca music w/ definite African highlife influences; excellent. [R]
- + JUL 8 0015 - fair w/ news & sports report by Carib-EE man. [H]
- + JUL 12 0007 - soca song w/ refrain "If You Want It"; excellent. [H]
- 1000 COLOMBIA, RCN, HJAJ, Cartagena, JUL 13 0250 - // 760 w/ SS news; poor, under CKBW/WMVP. [H]
- 1020 TURKS & CAICOS, Caribbean Christian Radio, JUL 5 0153 - preacher in EE on the subject of the importance of the message of the Cross. Strong dominant signal, well over KDKA / Latin Americans. [H]
- + JUL 7 0020 - "Superpower 1020" ID and words "from Grand Turk Island in the British West Indies"; huge, atop YVRS. [H]
- 1039.61 COLOMBIA (t), JUN 28 0200 - at this time mostly just het w/ audio fragments. [H]
- + JUL 11 0124 - SS talk, horserace trumpet fanfare, possible Barranquilla mention; occasionally splittable from HION/YVLB/WZNA mess on 1040. [H]
- 1040 DOMINICAN REPUBLIC, HION, Santo Domingo, JUL 7 0046 - fast SS Dominican Republic newstalk, slogan "Noticias de Santo Domingo", frequent timechecks; briefly over Venezuela / others. [H]
- + JUL 11 0126 - SS newstalk, "Cadena de Noticias" ID, Santo Domingo mentions; mixed w/ other SS Latin Americans. [H]
- 1100 BRAZIL, ZYK694, Sao Paulo, JUL 12 2358 - PP football (soccer) w/ excited announcer and crowd; this topped the channel briefly (over a growl & something in SS) during a lucky fade of generally-dominant WHLI-NY. Reception was just before local sunset from a south-facing beach near the Harwich / Chatham town line. [H]
- 1110 VENEZUELA, YVQT, Carupano, JUN 25 0043 - SS talk w/ Porlamar & Margarita mentions, R. Carupano ID; loud / dominant. [R]
- 1140 VENEZUELA, R. Margarita, Porlamar, JUL 15 0055 - salsa song w/ "bailando" refrain, then SS talk w/ timecheck ".. minutos hora margarita"; peaking over CBI/WRVA. [R]
- 1140.5 unID, JUL 15 0056 - very weak het against Venezuela / domestics on 1140. Is this Cuba's anti-WQBA thing? [R]
- 1170 COLOMBIA, CARACOL, HJNW, Cartagena, JUN 25 0100 - Colombian news in SS; dominant. [R]
- 1170 unID (maybe Venezuela?), JUN 25 0058 - classical music initially good, then it faded under Colombia by 0100; WWVA a poor third. [R]
- 1205 CAYMAN ISLANDS, R. Cayman, George Town, JUN 28 0322 - bits of female pop vocal followed by man in EE; poor. [H]



Western DX Forum 73

Reid Wheeler, Editor

5910 Boulevard Lp SE
Olympia WA 98501-8408
e-mail - reid@olywa.net

(360) 786-6756 6-9pm PLT

Deadline: Saturday 2 weeks before publication

Shawn Axelrod 30 Becontree Bay Winnipeg MB R2N 2X9

saxelrod@mb.sympatico.ca

Greetings to you one and all. It has been quite some time since I have sent in a Forum. Much has happened around here with snowstorms and floods and now heat waves. If you can survive in Winnipeg you can survive any place. I have also acquired a new (well, for me) receiver. It is a Drake R8 that is about 3-4 years old but had less than 100 hours of use! It is in mint shape except for one broken foot. That was quickly fixed with a new steel bale system from Drake. I figured they would send a new set of feet with a bale built in. No, I was the proud owner of an entirely new bottom plate full assembled with 4 new feet and the steel bale. Out with a few screws and in with the new base plate. That is customer service! On a less than bright note I will not be renewing my IRCA membership. I have done this after great thought and is not a rash decision. I am finding that the info I can get off the net and from NRC is enough to meet my needs. I have enjoyed my time in the club and will miss the people but the time has come. I wish all of you a fond farewell. Good luck to all of you and to IRCA. Shawn [Sorry to see you leave IRCA, Shawn. You've been a good contributor. Reid]

Randy Stewart, 4225 W. La Casa, Springfield MO 65802-5615

jrs55st@wpgate.smsu.edu

[7/30] I haven't Forum'ed in a long time... but then, I haven't done any real BCB DXing in a long time either--conditions have been pretty ugly. What I have been doing is sending out followups, either by P-mail or E-mail, trying to wring QSLs out of numerous stations logged mostly during the fall of '96, so far without success, and (of course!) ALL badly needed here... including WTOP 1500, KDWN 720, RNE 684, Montserrat 885 (logged before they moved to 880), Grenada 5335, R.Rumbos (Venezuela) 670, R. Catolica (Nicaragua) 720, R. Progreso (Cuba) 640... it's a long and frustrating list. [And most of these were taped reports, so it's been an unproductive AND expensive DX season too!] The Cuban is especially worrisome, as Lourdes Lopez at R.Havana assured me at the end of January that my report had been passed on to the folks at Progreso. I've actually had better luck (somewhat) with shortwave veries lately, which is where I've been concentrating most of my DX efforts. (I recently joined NAWSA.) I've done plenty of BCB listening, though, mostly on the little bedside Sony AM Stereo Walkman. Glad to hear Ralph's feeling better. I was worried when the June DXM didn't show up, and when it did it confirmed my fears. On the local scene, our mostly-volunteer, albeit commercial, big-band KTOZ 1060 has been staying on 'til after 10pm local. KWTO-560 is running more local talk in the evenings, a show called "Night Talk" with a Libertarian host named John de Clieux (pronounced "de CLUE"). But he gets delayed and preempted a lot for Royals baseball. I haven't heard it, but evidently they're also running Art Bell in the wee hours. 73 from the Ozarks.

Larry Godwin, 2390 Clydes Dale Lane, Missoula, Montana 59804

(E-Mail to lbg@selway.umt.edu)

[8/1] Greetings! Conditions are starting to improve around sunrise here and I'm looking forward to August, which is usually an interesting month DX-wise. In June I bought Ernie Cooper's HQ-150, so now I have two. My main receiver is in the shop now so I'm glad to have the back-up. I hope the convention was a great success. Nothing else is new so I'll just say 73 and good DX to all.

EASTERN

DX

FORUM

DEADLINES: SATURDAYS

Richard C. Evans
237 Laurel Meadows Drive
West Columbia, SC 29169-2312

Phone: 803-926-9809

Deadlines: 8/9, 8/23, 9/6...

Robert A. Pote, 766 Ashford Lane, Greenwood, Indiana 46143-9048

Greetings from Greenwood, Indiana. I trust everyone is enjoying the summer and also squeezing some DX time in too. I have been pretty busy the past two months painting the exterior of my home but I managed to squeeze in a weeks vacation in Arkansas, during the third week of June. The wife and I stayed at my sister's place in Mountain Home, Ark. I must say the country is very beautiful. I brought along my Realistic DX-392 and Quantum Loop. However the first couple of days there was too much static due to thunderstorms to do much DX'ing. After the weather cleared later in the week my brother-in-law had a full schedule of things for us to see that I was too tired in the evening to do much DX'ing. However I did bag KTBB-600 Tyler, TX one evening. I also tried to hear some of the west coast clears but I didn't have any success. I did hear about a dozen local stations during my drive to and from Arkansas. These were stations that I have never heard before. They were 1060-WMCL, 1020-WCIL, 810-WDDD, 860-WSON, 980-KMBZ, 1090-WCRA, 1210-WILY, 1230-WHCO, 1410-WFMB, 1500-WPMB, 1540-WSMI and 590-KFNS. All in all we had a nice trip, but it's good to be home again. The DX here in Greenwood has been slow but I did hear 770-WYRV and 1500-WBZI, both new for me, early in the morning before sunrise. I have also been working on my follow-up letters making copies to send out to the stations that I have ID'ed. The following stations I would like to nominate to the DX Hall of Shame: WLW, WSAI, WWL, KWKH, WVNN and KKO. I've sent them three follow up letters each from GM to CE. Still no luck. I did finally receive a QSL card from WRVA which surprised me, after two follow ups. Also I received a QSL from CHML-900 after a year's wait with no follow-up and the same for KFAB-1100. Has anyone had any luck using registered letters? On a local note, WIBC-10780 here in Indianapolis has been touting the fact that they utilize a full 50,000 watts at night during a weather emergency. Well, that's about it for now. The DX season is not that far off but don't give up. There is still some rare DX out there to be heard. 73's.

Rick Evans, 237 Laurel Meadows Drive, West Columbia, South Carolina 26169-2312

I hadn't really planned on saying anything until I got down to the end of Robert's Forum report. I will use it as a spring board for comments but I don't want anyone (including him) to think it is aimed at him or anyone else in particular. OK? First, registered letters are best used for valuables. It's mostly for things which have a monetary value and would cost money to replace, such as stocks, bond, jewels, etc. It can be insured, and it will involve a signature trail throughout the postal movement of the letter as well as to the recipient. It costs money. Certified mail, return receipt requested, is cheaper and more to the order for what most people are really looking for when they think registered mail. On follow-ups, I normally use them only on a rare catch. If I hear the station again, I would just send a new report, and I have sent a third report a couple of times. For me, that third report is going to be very detailed, probably a good one to two hours worth of material. For stations I can hear on a frequent or regular basis, I would probably go a couple of years between reports. However, something rare--such as a graveyarder from AZ--would be another story and I would be following it up in 3 to 4 months. With the computer, it is easy to just print out another copy of the letter. Back in 1969, I had a station secretary tell me that I should address the report to the secretary. It seemed to work all right back then but I don't know about now. I got replies back as a result from management or owners I would not have expected, and they seemed a little more in awe at the distance than an engineer would have. This past season I only sent out three reports: one netted me two bumper stickers and a coverage map, one was returned because of a bad address and one was ignored. The last one wasn't a surprise as it was just a tentative report. If you read the Forums (and Musings in NRC) everyone seems to have had a big falloff in veries over the past few years. Nobody is immune to the problem. But then where would the fun be in the hobby if it was always a 100% return, hi. In most hobbies, the fun is in the search, not really in the acquisition. (At least, that's what I tell my wife, hi.) Ralph, hope you're feeling better now. My Dad had a silent one--it showed up several years later during tests. Next column in only two weeks...is that a sign of cooler weather to come. Next column in two weeks.



QSL

VERIFICATION SIGNERS

Stephen S. Howe
8 Dutch Village, Apt. DL
Menands, NY 12204
showe@cnsunix.albany.edu

My deadline is the last Wednesday of the month.

Contributors:

- CB Charles Bernth, P O Box 236, Eastport NY 11941; CBernth@aol.com
 HL Henry Lazarus, 1313 Dauphine St, New Orleans LA 70116; henrylaz@neosoft.com
 PM Patrick Martin, P O Box 843, Seaside OR 97138-0843
 BP Bob Pietsch, 230 Winchester Court, Foster City CA 94404-3543; marbob@ix.netcom.com
 JDS J D Stephens, 106 Anita Drive, Madison AL 35758-7163; jdstephens@juno.com

FREQ	CALL	NAME and TITLE	ADDRESS	WHAT	WHEN	WHO
730	KLVB	Sam Wallington, DirEng	K-LOVE Radio 1425 N Market Blvd Suite 9 Sacramento CA 95834	L	30	PM
770	WLWL	Ronda Adkins, Admini- strator Director	P O Box 1536 Rockingham NC 28380	LM+	15ffff+	JDS
840	WPEI433	Lenus Mundt	Dept of Transportation Off of Telecommunications P O Box 942874 Sacramento CA 94274-0001	L	8	BP
972	HLCA	DougSu Ahn, Liaison Officer	KBS-18 Yoido-dong Youngdungpo-gu Seoul, 150-790, Repub of Korea	L+	180	PM
1010	KTUR	Fred Bond, GM*	353 East 200 South, #200 Salt Lake City UT 84111	LM	7	BP
1080	WDJX	Dale A Schafer, SalesMgr	612 4th Ave Suite 100 Louisville KY 40202	LB+	5ffff	JDS
1140	CHRB	Keith Leask, OpsMgr	11 5th Ave SE High River AB T1V 1G2	LM+	26f	JDS
1150	KIMM	Gary Peterson, CE [KOCX]	P O Box 8205 Rapid City SD 57709	LM	25	JDS
1160	WAMB	Will C Baird, Jr, VP/ Public Affairs Dir	1617 Lebanon Rd Nashville TN 37210	LMBbc+	7	HL
	HJAU**	Elizabeth David De Santos, Gerente	Emisoras Ondas del Orteguaza Apartado Aero 209 Florencia, Caqueta, Colombia	L+	30	JDS
1190	KKOJ	Doug Potter, CE	P O Box 29 Jackson MN 56143	LM	200	PM
	WBSL	Ira Hatchett, O	1190 Casino Magic Dr Bay St Louis MS 39520	L	2ffff+	JDS
	KOOO	Arnold Evans, Public Affairs Director	12201 Merit Dr Suite 930 Dallas TX 75251	LM	12	JDS
1210	KOKK	Tim Omodt, PD	P O Box 931 Huron SD 57350	L	6ff	JDS
1250	WRAY	Harold S Bass, CE	P O Box 8 Princeton IN 47670-0008	LB	13	JDS
1290	WATO	Ron Meredith, P	P O Box 6168 Oak Ridge TN 37831-6168	L	13	JDS
1350	KSLQ	Ken Kuenzie, Eng	511 West 5th St Washington MO 63090	cf	35	JDS
	XEQQ**	Lic. Santiago Ibarra Ferrer, Gerente	Mayorazgo No. 83, Col. Xoco CP 03330, Mexico, DF, Mexico	LQB+	52fffff	JDS
1370	KWNC	Donald R Lockwood, StnMgr	P O Box 697*** Quincy WA 98848	L	10ffff+	JDS
1390	WEGP	Allan H. Weiner, Mgr	3 State Street Place Presque Isle ME 04769****	M	10	JDS

FREQ	CALL	NAME and TITLE	ADDRESS	WHAT	WHEN	WHO
1400	WAVD	Dan Reynolds	1209 North Danville Rd SW Decatur AL 35602	L	3fff	JDS
	WEST	Robert Kratz, Eng [KU3K]	P O Box 81 Easton PA 18044-0081	LM+	14	JDS
1430	WMAK	Will C Baird, Jr, VP/ Public Affairs Dir	1617 Lebanon Rd Nashville TN 37210	L+	74	HL
1480	HRMI**	Wayne Davis, Dir	La Voz de Misiones Internac- ionales Apartado Postal 20583 Comayaguela, Honduras	Q+	14	JDS
1550	KXOJ	David Stephens, StnMgr	Cityplex Towers 2448 East 81st, Suite 5950 Tulsa OK 74137	LMB+	7fff	JDS
	WREJ	Ray Mills, CE	3267 S Crater Rd, P O Box 1878 Petersburg VA 23805	L	500f	HL
1570	WYTI	Earl H Shelton, Jr., OpsMgr	P O Box 430***** Rocky Mount VA 24151	LM+	15	JDS
1580	WLJ	Rusty Reed	P O Box 7 Shelbyville TN 37160	LM+++	8fff	JDS
1620	TIS	Tom Darro, Dir of Pro- motions and Publicity	Niagara Falls Convention and Visitors Bureau 310 Fourth St Niagara Falls NY 14303	L+	13	CB

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 <u>not</u> used; r = Return postage returned
NOTES:	* [for this column] = See comment below; ** [for this column] = Verie received for SW but signer and address good for BCB; *** [for this column] = See comment below; **** [for this column] = See report of this station in April's column; ***** [for this column] = This appears to be the preferred address for WYTI-1570

Note that the spelling of the name of the signer for KTUR-1010 reported by Bob is different from that reported by Patrick last month. Bob indicates that the actual signature on his letter is illegible but that "Fred Bond, General Manager" was typed below the signature. Patrick had reported the signer as "Fred Boyd." Perhaps a typo was made on either Patrick's or Bob's letter. Note that the address for KWNC-1370 J D reports this month is different from the two different addresses reported last month! The P O Box has now been reported as P O Box 67, 607, and 697. Can someone definitively report the correct address for us? J D continues to have some success coaxing verifications from stations by sending his follow-up reports by FAX. Patrick's letter took 8 days to reach me, arriving on my deadline. Reporters, take heed; don't wait to the last minute to send me your reports. Per column policy, several tips were not included because essentially the same information has appeared in the past two or three columns. This column was prepared on 6/25/97. 73, SSH.

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,
E Palo Alto CA 94303.



QSL

VERIFICATION
SIGNERS

Stephen S. Howe
8 Dutch Village, Apt. DL
Menands, NY 12204
showe@cnsunix.albany.edu

My deadline is the last Wednesday of the month. However, deadline for next column is August 20, 1997.

Contributors:

CB Charles Bernth, P O Box 236, Eastport NY 11941; CBernth@aol.com
RH Bob Harrison, 166 Renner Ave, Union NJ 07083-8839
GVJ Gary V Jackson, 7735 Center Parkway, Sacramento CA 95823
HL Henry Lazarus, 1313 Dauphine St, New Orleans LA 70116; henrylaz@neosoft.com

FREQ	CALL	NAME and TITLE	ADDRESS	WHAT	WHEN	WHO
540	WLUX	John Bennett, CE	425 Smith St Farmingdale NY 11735	C	35	RH
550	WPNW	David B Parsons, GM	1110 Central Ave Pawtucket RI 02861	L	247	RH
730	WFMC	Sondra Bossert	914 W Grantham St Goldsboro NC 27530	R	176f	RH
820	WQIX	Dennis M Ryan, VP	The Radio Group, The Battleship 2205 College Ave Elmira NY 14903	LB	182f	RH
840	WPEI433	Kim Tam, Electrical Eng*	111 Grand Ave Oakland CA 94612	Q	7	GVJ
	WPIJ667	Kam Tam*	111 Grand Ave Oakland CA 94612	P	4	GVJ
	WPBW721	Kam Tam*	111 Grand Ave Oakland CA 94612	P	4	GVJ
870	WPWT	Kenneth C Hill, GM	P O Box 2061 Bristol TN 37621	LB+	35	RH
960	WRNS	Don Price, CE	Rte 2 Box 182 Banks School Road Kinston NC 28501	R	16	RH
970	WJMX	David G Dalesky, CE	Atlantic Broadcasting Co 181 E Evans St Suite 311 Florence SC 29501	L	30	RH
1000	CKBW	Frank J Grayney, CE	215 Dominion St Bridgewater NS B4V 2G8	LB	19	RH
1040	WSGH	Rodney Baucom, GM	362 Bloomtown Rd East Bend NC 27018	L	183f	RH
1100	WTAM	Nicole Dingess, Program- ming	1468 W Ninth St Suite 805 Cleveland OH 44113	L	14	RH
1130	WBBR	Cullen Malley	499 Park Ave New York NY 10022	LB+	29	RH
1150	KDMM	Gus Perez, StnMgr	7700 Carpenter Freeway Dallas TX 75245	L	11	HL
1190	WLIB	Latonia R Daniel	Three Park Ave New York NY 10016	L	15	RH
1210	WPHT	Sam A Virgillo, Technical Supervisor	City Ave & Monument Rd Philadelphia PA 19131	FQ	48	RH
	WGSF	Fred Flinn, P	6080 Mt Moriah Memphis TN 38115	L	8f	HL
1260	WNSS	Dave Edwards, OpsMgr	1064 James St Syracuse NY 13203	L	33	RH
	XEL	Francisco Ibarra Lopez	Pirineos 770 Lomas de Chapultepec Mexico, D. F., C. P. 11000 Mexico	LP	11f	HL

FREQ CALL	NAME and TITLE	ADDRESS	WHAT	WHEN	WHO
1320 WTKZ	Leigh A Moylan, GM	961 Marcon Blvd Suite 400 Allentown PA 18103	L	9	RH
1350 WEZS	Gary Hammond, GM	266 Union Ave Laconia NH 03246	L	70	RH
1510 WNRB	Rose Miller	500 W Cummings Park Suite 2500 Woburn MA 01801	LM	38	RH
1590 WMIM	Bill Erdman, P	Box 100 Mt Carmel PA 17851	L	38	CB
1610 KPB748	Jim Purvis, Telecommu- nications Mgr	Sequoia National Park Three Rivers CA 93271	L	4	GVJ
WPET708	Roger Douglas	CalTrans Traffic 120 South Springs St Los Angeles CA 90012	Q	7	GVJ

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] = See comment below

Good to have Gary and Bob back with us this month! Thanks for the kind words, Bob. Note that the signer and address reported this month by Gary for WPEI433 on 840 kHz is completely different from that reported by Bob Pietsch in last month's column. Also, Gary reported veries from WPIJ667 and WPBW721, both on 840 kHz, in a report for June's column and I inadvertently misplaced his postcard. Sorry, Gary! Note that the spelling of the first name of the signer for those two stations is slightly different from that for WPEI433, but it is undoubtedly the same person. One member apparently misunderstood my comments regarding the verification of WRJZ-620 in the May column that appeared in the mid-June DX Monitor. At the risk of making matters worse, let me try to clarify what I was trying to convey, in case anyone else was unclear as to my meaning. For whatever reason, the CE of WRJZ sent J. D. Stephens a verification letter and coverage map when all he did was send the CE a thank-you note for running a DX Test. In that thank-you note, J. D. explained that since he had already verified WRJZ he did not stay up to listen to the test. My suspicion was that either the CE wasn't taking the time to look at the letters and reception reports he was getting for this test carefully enough and just sending out verifications to all of the mail he was getting, or he didn't quite understand that a verification is sent as a confirmation of reception, not just as a courtesy reply to mail received. My point was that this CE might be perceived as an easy touch by an unscrupulous DXer (and I have no doubt there are very few of these, especially in the IRCA) and that DXers verifying this station might want to have handy a tape or a copy of their reception report with real, verifiable details to convince a contest manager, for instance. It is so difficult to coax verifications from many stations these days that it's all we need to have a CE who may be innocently verifying non-reports taken advantage of. That does a great disservice to those of us who try so hard (at considerable personal expense) to verify stations legitimately. My comments should absolutely not be construed as being directed toward any particular DXer. I hope the members of this club know that I take great pains to make this column an accurate and useful source of information to those DXers who seek to verify the stations they hear. I hope this puts the matter to rest. This column was prepared on 7/30/97. 73, SSH.

SPORTS RADIO
66 AM W/FAN
 — NEW YORK —

KAUFMAN ASTORIA STUDIOS/34-12 36th St./New York City, NY 11106

30

IRCA TECHNICAL TOPICS

Mark Connelly - walion@ix.netcom.com

Initial Review of MFJ-1026 Phasing Unit
Mark Connelly, WALION - 20 JUL 1997

I've just received a new MFJ "Deluxe Noise Cancelling Signal Enhancer", model number MFJ-1026. It offers the ability to null interference, whether from electrical noise sources or actual transmitters. This is accomplished by creating a 180 degree phase shift between two antennas that are presenting equal-amplitude "pest" signals that cover desired DX. This is, of course, the same principle used in the many "homebrew" / "diy" units out there (and also other commercial boxes such as JPS ANC-4 and SEM QRM Eliminator).

In many cases, the unit could produce good nulls on steady groundwave broadcast signals and electrical noises. The first thing I noticed, though, was very high insertion loss on the lower half of the medium wave band. Loss measured 5 dB or less above 1600 kHz, about 10 dB at 1300 kHz, 20 dB at 1000 kHz, 25 dB at 800 kHz, and a whopping (and totally unacceptable!) 30 dB at 600 kHz. The MFJ advertisement states "Works on all modes, VLF to VHF". Strong local beacons "LQ" on 382 kHz (Lynn, MA) and "LW" - 402 (Andover, MA) are over S9 straight off the antenna, but were barely audible with the MFJ-1026 in line. We're talking about a loss in the 50 dB range on LF/VLF.

A quick examination of the circuit revealed the problem: Components L4/C8/L3/R26 on the main antenna input and L5/C16/L6/R27 on the auxiliary antenna input create a substantial amount of attenuation on frequencies much below 2 MHz. Throwing warranty coverage to the wind, I attacked the circuit board with the diagonal cutters and removed L5, L6, R27, L4, L3, and R26. What a difference! Now there's plenty of signal across the entire spectrum from 150 kHz to 30 MHz.

Two other obstacles were encountered: The phase adjustment range has SLIGHTLY LESS than 180 degree coverage. Swapping the two antennas makes this a non-issue because enough "lag" can be produced in cases where enough "lead" can't be (and vice versa). I put a DPDT "swap switch" in to allow the auxiliary antenna to go to the main path and the main antenna to go through the auxiliary chain. Either the "as built" or reversed-inputs configuration can now be selected and nulls can be obtained in almost every circumstance. Besides the phase adjustment range problem, there's the not surprising problem of active-broadband-circuit overload caused by 3-mile / 5 km distant WRKO-680 (50 kW). The simply remedies here are to use tuned inputs such as loops or L-C tuned whips/wires - or, in cases of untuned wire inputs, to just use less gain (as selected by the two 250-ohm input level pots). Passive L-C and passive delay-line phasing units typically do not have overload / intermodulation product problems, even with fire-breathing WRKO down the street.

Over all, I would say that the MFJ-1026... WITH THE ABOVE MODIFICATIONS... is a very capable phasing unit. I feel that it is clearly superior to the ANC-4.

MFJ-1026 Field Testing comments - Mark Connelly, WALION

Here's a quick "heads up" on field testing of the modified MFJ-1026 phasing unit done on Saturday, 26 JUL (local) from the Robbins Road - Holmes Field beach-DXpedition site located off Route 3A in Plymouth, MA (approx. GC = 70.68 W / 41.98 N). I used the Drake R8A receiver. Both the R8A and the MFJ-1026 were powered from the car battery. Two 90 ft. / 27 m wires lying on the ground were used. The "main" antenna for the MFJ-1026 ran on a slight downslope along the side of Robbins Road straight towards the sea at a bearing of about 70 degrees. The "auxiliary" wire ran out at a right angle into an open field of grass at an approximate 160 degree bearing. I was on site at about 7 p.m. local / 2300 UTC. This is about an hour before sunset. The two wires were laid out, narrowly missing a patch of poison ivy and some "dog dirt": just a couple of "the hazards of DXpeditioning". I felt that one of the big challenges would be to null WPLM-1390, located less than 2 miles / 3 km from the site.

Luckily, its very large signal did less overloading damage than WRKO-680 does back at home near the Shawsheen River marsh. Nulling WPLM a good 50 dB was easy! It wasn't too long before evidence of co-channel skip stations from ME, NY, and VT started bubbling in behind the nulled WPLM audio. Better yet was rather good audio from Netherlands on 1395 heard somewhat later! The stations that the MFJ-1026 had the most trouble nulling were those with high-angle skip, especially if some groundwave was blended in. The stations on the top end of the dial, such as WNRB-1510, were particularly troublesome in this regard. Null control settings required constant adjustment, especially in the period from an hour before sunset to an hour after. The best sustained null depth I could manage on stations such as WNRB, WDCD, and WQEW was about 15 dB (although momentarily-deeper nulls popped in and out). Shortwave DXers will probably experience similarly "jumpy" results above 2 MHz. Pure "groundwavers" like WPLM and longer-skip / lower-frequency stations such as WLW-700 nulled more deeply and for greater time intervals between required control re-adjustments. These results are consistent with those found for any previous-used phasing scheme, whether delay-line, tuned L-C, or other. Physically-large antennas often help to reduce some of the problems with jumpiness and shallow null depth on short-skip and higher-frequency propagation. There's only so much you can get out of physically-small antennas, regardless of the phasing method employed. Theoretically, a computer-controlled system could accurately "chase" the optimum null in real time, but no one has made this idea a reality yet. As the evening progressed, the MFJ-1026 / phased wires set-up proved its value as numerous Trans-Atlantic stations were logged. Some of these came in fine on the 70-degree "Euro-wire" without the need for phasing, but, in a number of instances, phasing the two wires made the difference between a slop-plagued DX signal and crystal clarity. The two Croatia stations (1125 and 1134) come to mind. WBBR-1130 New York has a VERY strong signal at night here in eastern Massachusetts. Indeed, outside the immediate groundwave zones of locals, it's one of the five strongest stations night after night. WQEW-1560 and WDCD-1540 would also be on the "King Kongs of medium-wave skip" list. When I was tuned to 1134, Croatia was running a good S9+20, but it was still trashed by WBBR slop at times - even on the "Euro-wire". With a few quick twists of the controls on the MFJ-1026, WBBR was reduced by better than 20 dB and Croatia-1134 roared in with absolutely beautiful audio. On peaks, it was stronger than what was left of WBBR. Not only did the phasing accomplish a nice clean-up on 1134, but also the much-weaker Croatian on 1125 was brought into the clear with just a bit of co-channel flak from Spain. Prior to phasing, it didn't have a ghost of a chance against the barrage of WBBR slop. At the end of this report, I've included a concise loggings list from the MFJ-1026 DX test session in Plymouth. Earlier on 26 JUL, I had done a few daytime DX tests of the MFJ-1026 from Harwich, MA on Cape Cod. The first battery of tests involved feeding a Quantum Loop into the MFJ-1026 "main" input and using the 1026's built-in broadband active whip as the "auxiliary". With the loop at normal (i.e. high Q), audio null depths only reached about 20 dB (versus better than 40 dB for carrier). This is consistent with previous nulling scenarios where a high-Q tuned source is phased against a broadband one. You get what sounds like a double-sideband suppressed carrier signal. If the desired DX is more than 20 dB below the dominant, you probably won't hear it even during stable midday conditions. Q-spoiling the Quantum Loop (15K resistor shunting the L-C tank) increases nullability of "pests" maybe to 30 dB, but the loop's usable sensitivity is compromised. At night, this is probably a non-issue (except in aurora), but during the day you need every bit of signal you can squeeze out of the small loop. The MFJ-1026's active whip, by the way, had good sensitivity and low amplifier noise: above 800 kHz its usable signal capture was comparable to that of the Quantum Loop at normal Q. Even at 530 kHz, it provided threshold daytime audibility of Turks & Caicos on 530 kHz from Harwich: that's just about as good as the loop. On an outdoor sloper to the top of a 20 m / 66 ft. pitch pine tree, Turks & Caicos groundwave runs about S5 to S6 on the R8A.

A second battery of tests at Harwich used two wires at a right angle (similar to the set-up employed at Plymouth). Daytime nulls were smooth ("like butter" some would say). WGAN-560 was easily dumped to reveal

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WHYN, near-equal WPRO and CFCY on 630 could each be brought up alone, much the same on 740 with WJIB and WGSM, WJTO on 730 was nulled a good 30 dB to pull out WACE over CKAC, strong WCLZ-900 was phased under the co-channel CKDH/WMVU mix, WNNH-930 easily surrendered to CFBC, and so forth. Nulling with two wires was decidedly better than any loop-versus-whip or loop-versus-wire scheme.

Nulling with the MFJ-1026 was easier than with a JPS ANC-4 and most of the homebrew units I've used over the last 30 years. It must be stated that some rather simple, but totally necessary, modifications had to be made to the stock MFJ-1026 to get it to up to "world class" medium-wave performance.

The first modification is to correct for excessive signal loss at frequencies below 2 MHz. The unit is advertised as covering down to VLF, but its stock version has insertion losses ranging from 5 dB at the top of the medium-wave band (1700 kHz) to more than 30 dB of loss down at 530 kHz. By the time you get down to the European longwave broadcast frequencies, there is so much loss that you might as well be receiving on a dummy load. Removing six high-pass filtering components - L5, L6, R27, L3, L4, R26 - totally corrected this problem. Apparently the engineering people decided that this was going to be a shortwave-only unit when the advertising department thought that writing it up as having coverage down to VLF sounded nice ... clearly, somewhere along the line, there was a failure to communicate.

The second modification corrects for an inability, in some cases, to obtain enough phase shift to produce nulls. If the phase adjustment covered 0 to 180 degrees, then setting the reverse switch gives us 180 to 360 degrees (also expressible as -180 to 0 degrees). But what if the phase adjustment range at some frequencies is only 0 to 120 degrees? The inverted setting will be 180 to 300 degrees. If we have the need for a shift of 150 degrees to obtain a given null, this condition will not be producible. Judging by some of the medium-wave nulling tests, lack of sufficient phase-shift range does appear to be a problem. Luckily, there is a relatively simple solution: reversing the antenna inputs so that what had been the "main" antenna during a non-working null scenario becomes the "auxiliary" and what had been the "auxiliary" becomes the "main". In the example above, we'd change the +150 required shift to -150 degrees, which is equal to +210 degrees (-150+360). This is now within the window of possible adjustments. As long as the adjustment range is better than 90 degrees, it will be possible to cover all required nulls if the channels are made "swappable". Tests performed still show a few cases where a null occurs at either the extreme right or left setting of the phase shift control, but at least a null can be produced with the antennas connected one way or the other. A double-pole / double-throw (DPDT) "swap switch" was added to facilitate full null coverage. I mounted it on the rear of the unit because of limited space on the front panel. Two lines were cut to allow swap switch use. The first of these was the lead from the SW4B arm to the R20 pot (auxiliary level). The second cut was in the line from C8 to the R9 pot (main level). With the DPDT switch set to "normal", the switch completes the previously-wired paths: SW4B arm to R20; C8 to R9. In its "swapped" position, the SW4B arm gets connected to R9 and C8 gets connected to R20. A couple of minutes spent studying the schematic and board layout should make it obvious how to install this modification. Conceivably increasing the value of the phase shift circuit component C12 could also increase the phase-shifting range. I'm thinking of putting a varactor circuit in the box in place of SW2A, C12, and C13. The potentiometer installed (in lieu of the SW2 high / low frequency range switch) to adjust the varactor capacitance could act as a "vernier" for nailing down deeper nulls.

Once the MFJ-1026 is modified, it makes a very competent phasing unit that will undoubtedly bring the technology into the hands of many DXers who have not previously experienced its value in bringing new stations out of "the mud".

APPENDIX: MFJ-1026 Field Test Logs (Drake R8A, MFJ-1026, two wires)
CHRONOLOGICAL LOG (Robbins Road: Plymouth, MA) --- Mark Connelly

26 JUL 1997

(* 2348-2359 UTC *) Algeria-891, Morocco-1044, Libya-1251, Mauritania-1349, Algeria-1544

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(* 0000-0059 UTC *) Germany-1422 (o/ Algeria), Netherlands-1395, Spain-Canaries-1179, Croatia-1134, UK-1215 (o/ Spain). Spain & unID's - 1296, N. Ireland-1341, unID (MidEast ?)-1531.3, Sao Tome(t)-1530, Kuwait-1548, Spain/Italy-1575, Norway-1314, Slovakia/(Czech?) o/Spain-1287, probable France/Ireland-1278, Germany-1269, UK-1197, Spain-1143, Croatia/Spain-1125, Spain-1107, Slovakia-1098

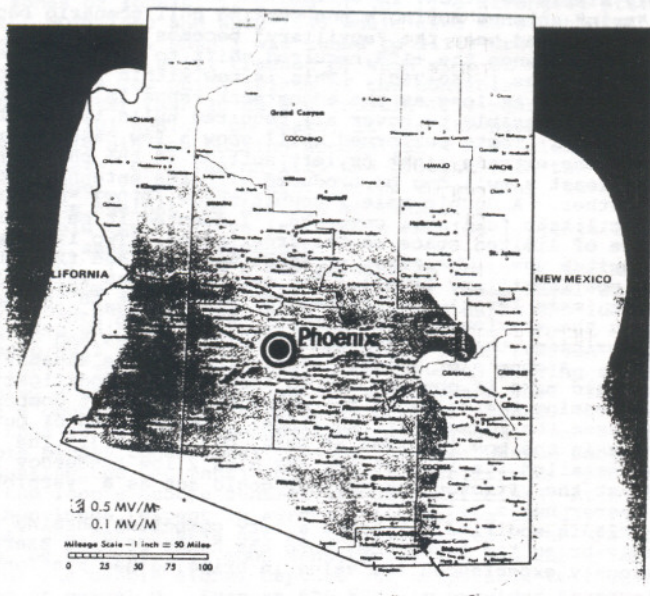
27 JUL 1997

(* 0100-0115 UTC *) UK-1089, intermittent 1088 het: probably Angola, UK-1053, Spain-1044, Spain-1026, Germany-1017, UK-882 o/ Spain/Canaries, Egypt-864, unID weak het-863.8a, Spain-855 o/presumed Romania music, Italy-846, Egypt-819, Spain/Egypt-774, Switzerland-765, Germany-756, Netherlands-747

Some Europeans below 747 were also in, but they were not that strong compared to the mid-band DX. Anyway (by 0120 UTC), I had to leave the site to go back home to the rest of the family.

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STATION PROFILE

RADIO STATION: KVOY - AM

FREQUENCY: 1340 KC

POWER: 1000 WATTS

ANTENNA HEIGHT: 143 ft. above average terrain

COVERAGE: Mojave, Lancaster, Palmdale

TARGET AUDIENCE: Adults 25 - 54

COMMERCIAL POLICY: 12 Units per hour

FORMAT: Traditional Country Music with emphasis on major league sports..KVOY is the home of the California Angels, Los Angeles Rams, Los Angeles Lakers, UCLA Bruins Basketball and Football, Local sports news.. plus ABC news affiliation (Paul Harvey), Metro Traffic reports and Financial reports (Dean Witter).

INFORMATION: Covering an area of 3,000 square miles, with a population of 250,000 plus in California's fastest growing community; retail sales in excess of \$550,000,000, KVOY "The Voyager Station" is the Antelope Valley's sports-news leader.

OPERATING SCHEDULE: 18½ hours per day, seven days a week.



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PO Box 1831 Perris CA 92572-1831

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President: Phil Bytheway, 9705 Mary NW, Seattle WA 98117-2334 (206) 356-3927 W (proposals), email: bytheway@atk.com

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Editor-in-Chief/Publisher: Ralph Sanserino, PO Box 1831, Perris CA 92572-1831. (dues/address changes), email: 74041.2430@CompuServe.com

Publishing Coordinator: Phil Bytheway, 9705 Mary NW, Seattle, WA 98117-2334

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