

DX News

* Serving DX'ers since 1933 *

Volume 63, No. 30 - September 16, 1996 (ISSN 0737-1659)



Inside...

3 .. AM Switch

6 .. DDXD

17 .. IDXD

30 .. AOR AR7030 Review (II)

40 .. Confirmed DX'er

42 .. Formats

44 .. Pro Sports Nets

45 .. Visit to Kintronics

47 .. KLJG-1610

CPC Test Calendar

WYTI	VA	1570	Oct. 5	0000-0030
WAPF	MS	980	Oct. 7	0200-0230

WYTI-1570 - P.O. Box 430 - Rocky Mount, VA 24151 will conduct a DX test from 12:00-12:30 am EDT on Saturday, October 5, 1996. The test will include Morse code IDs, test tones, voice IDs, and bluegrass music. Power will be 2500 watts nondirectional (5,000 Watts if a power increase is granted before the test date!). Reception reports may be sent to: Mr. Earl Shelton, Operations Manager. Arranged by J.D. Stephens for the IRCA CPC.

WAPF-980 - P.O. Box 1649 - McComb, MS 39648 will conduct a DX test between 2:00 and 2:30 am EDT Monday, October 7, 1996. The test will include march music, polkas, test tones, voice IDs, and Morse code IDs. Power for this test will be 5,000 watts nondirectional. Reception reports may be sent to: Mr. Richard Watts, Chief Engineer. Arranged by J.D. Stephens for the IRCA CPC.

DX'ers of the year ... Announced at the NRC convention as Domestic DX'er of the year was long-time member Kermit Geary; and accepting the award as International DX'er of the year was Al Merriman. Congratulations, gentlemen, for your contributions to the hobby and the NRC.

From the Publisher ... Jeff Tynan has stepped down as the NRCCPC chairman as the result of too much "air time" ... he's a pilot, and his job has given him more time flying than he felt that he could juggle and do justice to the CPC chairmanship. If you're interested in taking over his job, please apply directly to Wayne Heinen (see p. 29 for addresses). You should possess a PC with word processing/mail merge capability, and it's a definite plus if you can send and receive E-mail. In the interim, J. D. Stephens has volunteered to help us out; he'll accept your target stations until a new CPC chairman steps forward. Send 55¢ in stamps

per station on your target lists to him at 106 Anita Drive - Madison, AL 35758-7163.

A hearty thank-you to Steve Francis and friend Karoline for a relaxed, fun-filled 1996 NRC convention in Knoxville. Attendance was in the middle forties, and the auction netted over \$380 (with thanks to Roger Giannini, who bought more than he could take home on the plane, and to John Malicky, who bid me up on several coffee cups,

(continued on page two)

DXN Publishing Schedule, Volume 64

1. Sept. 27	Oct. 7	16. Jan. 17.	Jan. 27
2. Oct. 4	Oct. 14	17. Jan. 24	Feb. 3
3. Oct. 11	Oct. 21	18. Feb. 7	Feb. 17
4. Oct. 18	Oct. 28	19. Feb. 14	Feb. 24
5. Oct. 25	Nov. 4	20. Feb. 21	Mar. 3
6. Nov. 1	Nov. 11	21. Feb. 28	Mar. 10
7. Nov. 8	Nov. 18	22. Mar. 7	Mar. 17
8. Nov. 15	Nov. 25	23. Mar. 14	Mar. 24
9. Nov. 22	Dec. 2	24. Mar. 28	Apr. 1
10. Nov. 29	Dec. 9	25. Apr. 11	Apr. 21
11. Dec. 6	Dec. 16	26. May 9	May 19
12. Dec. 13	Dec. 23	27. June 13	June 23
13. Dec. 27	Jan. 7	28. July 11	July 21
14. Jan. 3	Jan. 13	29. Aug. 8	Aug. 18
15. Jan. 10	Jan. 20	30. Sept. 12	Sept. 22

DX Time Machine

From the pages of *DX News*:

50 years ago ... from the September 14, 1946 DXN: The new club officers were announced as follows: Pat Reilley, President; Leo Herz, Vice-President; Dick Cooper, Board Chairman; and Ernie Cooper, Bulletin Editor. The former editor, Ray Edge, would continue as Publisher.

25 years ago ... from the September 11, 1971 DXN: Don Erickson won the "Man of the Year" award from ANARC... Greg Hardison reported the new call of XEPRS-1090, from XERB, and a format change to match their slogan of the "Soul Express".

10 years ago ... from the September 22, 1986 DXN: Mexico and the U. S. signed a long-discussed treaty allowing fulltime or extended-hour operations by U. S. stations on Mexican clears (540, 730, 800, 900, 1050, and 1220 kHz) on August 28.

(continued from page one)

hil), not to mention many others who took home prizes (how about another WOW storm coverage map?).

Dave Schmidt has joined the net surfer generation; his new E-mail address is Midatrad@aol.com. Send him a Musing there; make him learn how to use his new computer, hi! Also, please note that DDXD-East editor Dave Yocis' new E-mail address is dayocis@webspan.net.

The Log is nearing the final stages for printing, and Ken Chatterton is accepting orders (at the same prices as the last several editions) for the 17th edition, which will be shipped after October 1. A few copies of the 16th edition are available, if you're interested.

NRC Ham List ... Don't forget to update your listing for the NRC Ham List; if you are not in the list, and you want to be, the only thing you need to do is send Fred Vobbe the following information: Name, Call, and up to 40 characters of information to describe where you operate. Note that if you send him more, he reserves the right to edit to make sure it fits in the 40 characters in the database. No exceptions.

Indiana GTG ... Rick Dau is hosting the 3rd Annual DX MidAmerica GTG on Saturday, October 12, at the Ramada Inn in Lafayette, IN. The fun starts at 3 pm Saturday and will end shortly before noon Sunday. To reserve a room (\$59 single, \$67 double), you call call 317-447-9460 or 800-2-RAMADA. The Ramada is located at 4221 State Rd. 26 E, close to US 172 and I-65; for more info, call

Rick at 317 449 2734.

FCC funnies ... Finally, Mike Hardester sends along the following story from the 19 August 1996 issue of *Network World*

"FCC Chairman Reed Hundt would be practically tied to his office under a provision slipped into a bill introduced by Rep. Jack Fields (R-Tex.) and Rep. John Dingell (D-Mich). The provision would bar the peripatetic Hundt from traveling more than 50 miles from FCC headquarters for the next two years."

Add Mike: "Wonder if they could slip in such a requirement for Congressional members and staff?!"

Welcome to these new members ... Wayne J. Benkinney, Burton, MI; Dave Erickson KB7NTK, McMinnville, OR; Robert L. Foxworth, Lake Grove, NY; Barton M. Lee, Park Ridge, NJ; Robert Holbrook, Morgan City, LA; George S. Darling, Penryn, CA; Stephen A. Druzak, Champlain, NY; Raymond Gendron, Lacombe, Alberta; Scott E. Barnett, Detroit, MI; Don Fleishchman, La Crescenta, CA; Tom Ashley AA4A, Marshfield, MA; Robert E. Moore, Sr., Santa Ana, CA; Thomas Provost, Robbinsville, NJ; George Hamer, Brooklyn, NY; Randy Bledsoe, Belton, MO; Robert Holbrook, Morgan City, LA; Barton M. Lee, Park Ridge, NJ; Stephen A. Druzak, Champlain, NY; George S. Darling, Penryn, CA; Theodore R. Hall, Vienna, WV; Bob Gilfert, New Ringgold, PA (rejoins); Clive Rooms, Luton, England (rejoins); Fred Osterman, Reynoldsburg, OH (rejoins); Col. Gene Paul Rust, Keller TX (rejoins).

AM Switch

Jerry Starr
c/o WHOT Radio
4040 Simon Road
Youngstown, OH 44512-1320

Status changes in AM stations, supplied by the FCC and listeners

CALL LETTER CHANGES

	Old call		New call
550	WHYM	NC	Statesville
570	KCNO	CA	Alturas
810	WISZ	MI	Rockford
820	WQSI	MD	Frederick
900	WCKM	NY	Saratoga Springs
1150	WMEX	MA	Boston
1160	WKJT	NC	Tryon
1170	WRWD	NY	Cornwall-on-Hudson
1190	WDCS	NY	Cobleskill
1240	KSON	CA	San Diego
1280	KXKL	CO	Denver
1320	KXOL	OK	Clinton
1340	*New	NV	Elko
1350	WFLS	VA	Fredericksburg
1390	WMZQ	VA	Arlington
1450	WMGP	MS	Meridian
1450	KJUN	WA	Puyallup
1480	WJHB	NC	Fair Bluff
1490	WOJY	VA	Hampton
			WIST
			KKFJ
			WMJH
			WXTR
			WKAJ
			WROR
			WJFJ
			WWLE
			WLAL
			KDDZ
			KRRF
			KCLI
			KTSN*
			WYSK
			WZHF
			WFFX
			KKBY
			WNCR
			WXRE*

*Notes: 1340 Elko, NV call was shown incorrectly as KTNS last issue, my typo, sorry. WOJY-1490 is setting aside their recent request for WTAU in favor of WXRE.

APPLICATIONS FOR NEW STATIONS

750	MI	Petoskey: 1000/330 U4
830	FL	Palmetto: 50000/270 U4 (reapplication)
1090	NV	Hawthorne: 50000/2000 (25000 CH) U4
1190	FL	Havana: 10000/1000 U1

GRANTS FOR NEW STATIONS None

APPLICATIONS FROM EXISTING FACILITIES

630	WDGY	MN	St. Paul: powers to 900/315 U4, city of license to Hudson, WI, relocate transmitter site
860	WAMO	PA	Pittsburgh: city of license to Millvale, PA, antenna to U4
980	KUTI	WA	Selah: antenna to U4 (from new site)
1050	KPXE	TX	Liberty: city of license to Brookshire, TX
1130	WLBA	GA	Gainesville: power to 2200 (700 CH) D1, city of license to Powder Springs, GA
1520	WCHE	PA	West Chester: to 1510 kHz with 1000 (500 CH) D3

GRANTS TO EXISTING FACILITIES

630	KKPL	WA	Opportunity: reduce daytime power to 530 watts, relocate transmitter site
680	WXKN	KY	Newburg: reduce day power to 1000 watts
830	KABN	AK	Long Island: powers to 8000/8000 U1, relocate transmitter site
950	KSWD	AK	Seward: relocate transmitter site
990	KIKI	HI	Honolulu: relocate transmitter site
1000	KKIM	NM	Albuquerque: add 38 watts nights, antenna to U1
1010	KIQI	CA	San Francisco: CP for 15000/1500 modified to show antenna as U4
1010	KTUR	UT	Tooele: CH power to 3100 watts
1040	WYSL	NY	Avon: CP to move here from 1030 kHz modified to show day power as 2500 watts (still on 1030 kHz)
1080	WRYT	IL	Edwardsville: add 250 watts nights, antenna to U4
1230	KEXO	CO	Grand Junction: reduce powers to 680/680



Orders for the 17th edition of the NRC AM Radio Log are now being accepted for shipping in early October at the same prices as last year!

The NRC AM Radio Log, 16th Edition, compiled from membership reports and from official sources so that it is the most complete listing of AM stations on the market. Cross-referenced and 3-hole punched for standard binders. Only \$16.95 to U.S. and Canadian members; \$22.95 to U.S. and Canadian non-NRC members. Airmail to members: to Latin America, \$21.00; Europe, \$24.00; rest of the world: \$28.00. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax)

NRC Nighttime Antenna Pattern Book, 4th Edition

Get it now; it's the second half of the NRC's "Dynamic Duo"! Teamed with the NRC AM Log, the NPB provides DX'ers with up-to-date maps of all (except Class IV) stations with nighttime operations. Convenient to use: 3-hole punched for standard binders. Only \$16.95 to U.S. and Canadian members; \$22.95 to U.S. and Canadian non-NRC members. Airmail to members: to Latin America, \$21.00; Europe, \$24.00; rest of the world: \$28.00.

Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax)

PLAYING THE HITS OF THE
60's, 70's & 80's

1210 SOUTH MAIN STREET
ATMORE, ALABAMA 36502
(205) 368-2511

1240	WMFG	MN	Hibbing: reduce powers to 880/880
1290	WNEF	NY	Binghamton: powers to 9300/5400
1330	WENA	PR	Penulas: CP for move to Yauco modified to show night power as 1700 watts
1340	KQIL	CO	Grand Junction: relocate transmitter site
1450	WIBM	MI	Jackson: reduce powers to 780/780, relocate transmitter site
1470	WBCR	TN	Alcoa: reduce powers to 956/82, relocate transmitter site
1490	WOLF	NY	Syracuse: reduce powers to 620/750 (this is for the present operation on this frequency, not the CP for 1510, see last issue for that information)
1530	WUPR	PR	Utuaado: relocate transmitter site
1550	KQXI	CO	ARVADA: night power to 5000 watts, antenna to U2 (engineering specs appear to indicate a four tower system at a separate site for the night pattern)

OTHERNESS

590	WLVA	VA	Lynchburg: station is SILENT
650	KUUY	WY	Orchard Valley: silent station is ON THE AIR simulcasting 100.7 in Cheyenne, the FM is using the call "KOLT" but they run AM IDs as "KMRZ". We've seen nothing from the FCC about a call change here and, of course, KOLT is licensed to the 1320 kHz station in Scottsbluff, NE. ?????
740	WVCH	PA	Chester: CP shown in Log should show night power as 450 watts (zero is missing)
960	WEAV	NY	Plattsburgh: station is SILENT
980	KEGE	MN	Richfield: station is SILENT
1070	WSCP	NY	Sandy Creek-Pulaski: silent station is ON THE AIR
1090	WKTE	NC	King: although the FCC database shows this station as still a daytimer they are now operating at night and are being widely heard, we have no records of any application or grant for fulltime, anybody know what's going on?
1120	KLIM	CO	Limon: silent station is ON THE AIR
1240	WKDA	TN	Nashville: silent station is ON THE AIR (they lost their tower in the 7/21 storm and are now diplexing into another station's tower although we don't know which one)
1260	KWHK	KS	Hutchinson: license CANCELLED and call DELETED
1340	KOLE	TX	Port Arthur: silent station is ON THE AIR (this was listed as being on 1400 kHz two issues ago, shown here to correct frequency)
1350	WBEM	PA	Windber: license CANCELED and call DELETED, had been silent since 11/91
1370	KSHY	WY	Cheyenne: their CP to move to 1530 Fox Farm, WY has expired but the FCC granted a replacement CP so this is still alive
1390	WFIW	IL	Fairfield: CP for 710/58 is on
1470	WCFJ	IL	Chicago Heights: station is SILENT
1470	KNFL	UT	Tremonton: silent station is ON THE AIR
1490	WOLF	NY	Syracuse: silent station is ON THE AIR, still on this frequency
1500	WDPC	GA	Dallas: silent station is ON THE AIR relaying programming from WDCY-1520 Douglasville, GA
1530	WVFC	PA	McConnellsburg: station is SILENT
1560	KLTI	MO	Macon: silent station should be ON THE AIR by the time this reaches you
1570	KUAU	HI	Haiku: new station has been testing on the air

THANKS: Al Merriman, Ed Krejny, Bob Tiara, Dave Schmidt, Wayne Heinen, Mike Hunt, Ken Chatterton, Tony Fitzherbert and MSJ

73 and Good DX, Jerry Starr & Buffalo K. Foonman

Denny & BKF

EXPANDED BAND NEWS

Remember when the first version of the X Band was announced in 1994 and four petitions for reconsideration resulted in a 17-month delay and complete reconfiguring of the table of assignments? Well, here we go again. Following the March 1996 release of the new band plan EIGHT petitions for reconsideration were tendered, most of them from stations that were on the Plan One list but were dropped from the second version. Some of the stations requesting

CHOO COUNTRY RADIO 14

reconsideration are WNED-970, WWBG-1470, WPWA-1590 and KQXI-1550 whose petition states in part "something has gone very wrong in this proceeding." Representative Curt Weldon of Pennsylvania filed an objection on behalf of WPWA noting not a single station in Pennsylvania got an X Band assignment and objecting to the assignment of only one station nationwide to 1610 kHz because of the numerous TIS operations here and stated "Now that you have expended the band it seem practical to reassign TIS stations to the 1710 range, allowing the 1610 frequency to be used by numerous radio stations, such as WPWA." The FCC must now resolve each of these eight petitions before any further X Band stations can be licensed and it is very likely a further calculation of the assignment table may take place. If this is the case then THAT list will be subject to further petitions. It is quite possible that only the very young members of the NRC, or possibly their children, will live long enough to hear more than two X Band stations on the air.

The Laura Lee Show Station List

State	City	Station	Dial	Zone
AR	Little Rock	KARN	920 AM	Central
AZ	Tucson	KNST	790 AM	Pacific
AZ	Flagstaff	KVNA	600 AM	Pacific
CA	San Luis Obispo	KGLW	1340 AM	Pacific
CA	Redding	KQMS	1400 AM	Pacific
CA	Lancaster	KHJJ	1380 AM	Pacific
CA	Modesto	KFIV	1360 AM	Pacific
CA	San Francisco	KPIX	1550 AM	Pacific
CA	San Francisco	KPIX	95.7 FM	Pacific
FL	Fort Myers	WINK	1240 AM	Eastern
FL	West Palm Beach	WJNO	1230 AM	Eastern
ID	Boise	KIDO	630 AM	Mountain
KY	Lexington	WVLK	590 AM	Eastern
MO	St. Louis (Belleville IL)	WIBV	1260 AM	Central
MO	Washington	KLPW	1220 AM	Central
MO	Columbia	KFRU	1400 AM	Central
MN	St. Paul/Minneapolis	KSTP	1500 AM	Central
NM	Albuquerque	KKOB	770 AM	Mountain
NV	Reno	KOH	780 AM	Pacific
NY	Albany	WGY	810 AM	Eastern
OH	Youngstown	WKBN	570 AM	Eastern
OR	Lebanon	KGAL	1580 AM	Pacific
OR	Portland	KXL	750 AM	Pacific
OR	Roseburg	KTBR	950 AM	Pacific
TX	Abilene	KNTS	1470 AM	Central
UT	Salt Lake City	KCNR	1320 AM	Mountain
VT	Colchester	WVMT	620 AM	Eastern
WA	Anacortes	KLKI	1340 AM	Pacific
WA	Ellensburg	KXLE	1240 AM	Pacific
WA	Seattle	KVI	570 AM	Pacific
WA	Spokane	KGA	1510 AM	Pacific
WA	Yakima	KUTI	980 AM	Pacific
WA	Pullman	KQQQ	1150 AM	Pacific
WI	Madison	WTDY	1480 AM	Central
WI	Milwaukee	WBKV	1470 AM	Central

AM Station Map Book, 3rd ed.

\$9.50 to members, \$10.50
non-members, postpaid.



Edited by
DDXD editor
Bill Hale, this
book of station
location maps
is a must-have
companion to
the AM Radio Log. The 170-page
book is three-hole punched for a
ring binder. Order from NRC
Publications - Box 164 -
Mannsville, NY 13661. NY orders,
please add sales tax.

Someone to Turn to
KBOI
AM/FM

Box 1280 • Boise, Idaho 83701

Problems, Problems?

We can't solve all your woes, but we can solve your DX News problems. Torn, soiled, partially-printed, MIA, or worst of all, delivered in a USPS plastic baggie? No need to return the copy - just end a postcard to NRC - 2840 SE Illinois Ave. - Topeka, KS 66605, and a replacement copy will be mailed free. Missing back issue? Replacement copies from Vol. 56 on, to current NRC members only, are sent for the cost of first-class postage. Quantities will be sent book rate; reimburse by check after you receive the package and verify the postage amount.

See? No problem!

Domestic DX Digest

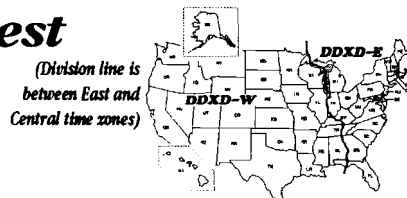
West: Bill Hale billhale@wazoo.com

301 Boulder Bluff - San Marcos, TX 78666-8350

East: David Yocis dayocis@webspan.nit

David Yocis - 97 Clinton Ave. - South Nyack, NY 10960

DX Catches in the U. S. and Canada, with 24-hr. ELT



DDXD-West MEDIUM WAVE AM BLINGS

- ✓ After my "issue off", we're back in the saddle here, but an emergency trip to Wisconsin took precedence. Sorry for missing Issue 29, but we've got all the mail (snail and E-) gathered here for this edition (#299). My sincere thanks to everyone who has sent words of condolence and sympathy. All are deeply appreciated.
- ✓ RK says: "The new NRD-535Db is quite a radio. It allows me to get next to most of my locals with little splash. Exalted carrier reception has far better audio than the R-5000. Its got me DXing in the summer for the first time in years. I also tried out 2 wire phasing, and I got totally different phases than with loop-wire phasing. It has some amazing results on locals, especially WIND-560, which allows me to get WEBC most nights. With loop-wire phasing, all I got was a buzz from WIND. I have noted a weak station in my attempts at phasing WJJD-1160, but haven't been able to ID it yet."
- ✓ Thanks to Terry Jones of Dakota Territory for sending some interesting reading matter on the local radio scene, plus his own comments on regional radio happenings in his area. Don Trelford, Richard Turner, Ron Bailey and Mike Hardester have Graveyard updates to report. And thanks are also in order to Chris Cuomo for another "list". This one is of low power or carrier current stations. A special "Welcome" to all new members, especially those who live in the Central, Mountain and Pacific Time Zones . . . and points west. Don't be a silent member. Share what you've been hearing, so others may compare their logs.
- ✓ I found an interesting (at least to me) site on the Internet which you may want to check out. CHUM has archived almost all of its Top 10 surveys from July 1957 to 1986 (over 1500) and are available for your perusement at "www://http/1050.chum.com". Besides the surveys are snippets of CHUM history and bio's of some of their former DJs. Check it out.
- ✓ Items credited to postings on the Internet (Inet) are not "official". So if anyone in the areas mentioned can either confirm or deny these reports, please step forward. Next deadline here is the weekend of September 21-22, then we're back to the weekly schedule. Then deadlines are every Saturday for regular mail, and Sunday noon for E-Mail. Remember, E-Mail delivery is not instantaneous, especially if you're on Prodigy, CIS or AOL. So don't wait 'til the last minute to get your loggings and tips on the ol' Internet.

REPORTERS

- TRH-CA Tim Hall Chula Vista ICF-2010 + KIWA Loop <msnl77a@prodigy.com>
- TRH-CA1 Tim Hall DXing 1 mile from home ICF-2010, 1650' terminated beverage aimed East
- JR-OK John Reed Ponca City modified Sylvania R1414/URR + Noise reduced wire, KIWA MW loop, ANC-4 phasing <jtreed@juno.com>
- DS-TN Doug Smith Pleasant View news <72777.3143@compuserve.com>
- SP-WI Sheryl Paszkiewicz Manitowoc Drake R8 + Eavesdropper antenna or DX-390 + whip
- DE-MO Dennis Elya Jefferson City GE Superadio III barefoot <delya@computerland.net>
- JR-CA Jim Renfrew (Rochester, NY) DXing from San Diego Sony 2010, Radio West Loop <jimrenfrew@delphi.com>
- RK-IL Robert Kramer, N9MBK Chicago NRD-535Db, Radio West Loop, 175' N-S & 90' NE-SW wires, Super MWDX5 phasing unit, 40db pre-amp, Kantronics Signal Enforcer Peak/Notch Filter <rkdx@aol.com>
- SA-MB Shawn Axelrod Winnipeg ICOM R-70 w/filter mods and PLAM board + 4' box loop/Quantum Loop/100' indoor lw <saxelrod@mb.sympatico.ca>
- SHP-TX Stephen Ponder Houston SuperRadio III, Toshiba RP-F11, Magnavox D-1875 + Radio West Shotgun Loop <sponder@milleniuminc.com>
- SHP-FL Stephen Ponder (Houston, TX) DXing at Destin Beach GE SuperRadio III, Toshiba RP-F11, Magnavox D-1875 + Radio West Shotgun Loop
- SHP-AL Stephen Ponder (Houston, TX) DXing at Mobile GE SuperRadio III, Toshiba RP-F11, Magnavox D-1875 + Radio West Shotgun Loop
- WH-CO Wayne Heinen Aurora Subaru Car radio
- Ed.-NM Editor Alamogordo ICF-2010 barefoot

SPECIAL

- 820 WSCR IL Chicago - Per article in *Chicago Sun-Times*, station will not be going full-time. Apparently there were technical problems and they were not happy with potential signal strength over the entire Chicago area. (RK-IL)
- 870 WPWT TN Colonial Heights - "... returned to the air for tests ... 7/7 and planned to begin its *Power Talk 870 AM* format on August 1...". Former calls include WZMC, WFKB, WPRQ. [Internet]
- 920 CFRY MB Portage La Prairie - 6/29 0700 - Excellent signal, with a simulcast on 93.1, which started today. The first station in Canada I know of with the right to do this. (SA-MB)
- 980 KMPQ TX Rosenberg-Richmond - Now carries KidStar programming. (Inet)
- 990 CBW MB Winnipeg - 6/27 0135 - Good signal, with CBC NewsWorld TV feed on the Olympics bombing in Atlanta. This interrupted regular programming for unknown number of hours so they could cover the event. No shortwave feeds this night; only TV cable feed. (SA-MB)
- 1030 WSFZ TN Memphis - Has changed format to SPT, *One-On-One Sports net*. (RK-IL) [I can confirm this as passed by there on 8/3 - Ed.]
- 1090 KAJK CA Fortuna - 8/15 0100-0110 - Good, in semi-null of local XEPRS, with legal ID for AM & FM. Are they on at night now, or is this some sort of PSSA? (TRH-CA) [FCC database says: D1 10000 - Ed.]
- 1120 KLIM CO Limon - 8/12 - Noted back on air w/Satellite feed AC/OLD and brief KLIM Limon at 1102. (WH-CO)
- 1130 KWKH LA Shreveport - Has been sold to the owners of KEEL-710 and adds some news programming to its C&W format. "Switched from all-country to *News Radio 1130 Monday* (8/5). It looks like they are keeping country middays and nights. KEEL has been simulcasting KWKH's morning news block. KWKH-FM-94.5, which was simulcasting the AM, has flipped to top 40 as *Big Dog 94.5, Continuous Hit Music*." (Inet)
- 1150 WRRR IL Rockford - Was silent during the two weeks I was in the area in late July. [Ed.]
- 1220 KMVL TX Madisonville - Slogan is *Best Hits 1220*. (Inet)
- 1240 WKDA TN Nashville - As of this writing (7/21), they are OFF, as a news item on WSMV-4 shows their tower was hit by severe weather and collapsed over a bunch of cars! (DS-TN)
- 1280 KRFF CO Denver - 8/13 0900 - "This is Ralph, KRFF AM 1280 Denver". Format is all talk featuring WW1 shows including *Imus*. Change was rumored, but now it's official. (WH-CO)
- 1400 KYLR TX Huntsville - Was: OLD/TLK; now: AC. (Inet)
- 1410 KLVQ TX Athens - Now programs *One-on-One Sports*. (Inet)
- 1430 WCKD TN Madison - 7/15 - Has been testing intermittently over the last two weeks with easy listening music. I don't know if this is their permanent format. [A later report indicates no further activity - Ed.] (DS-TN)
- 1450 WMIQ MI Iron Mountain - 7/21 0300 - Noted with full ID in WVON phase. Format is now SPT, with *One-On-One Sports net*. (RK-IL)
- 1600 WWRL NY New York - An Internet report suggests they bought WLNG in Sag Harbor for \$1.6 million in order to turn it off, as well as the silent WQQW 1590 in Connecticut to allow them to increase their coverage on Long Island. (via DS-TN) [The FCC Database shows WWRL having an application for 25 kw days (no change for nights) with the same antenna pattern, only larger of course. Watch AM Switch for the latest - Ed.]



UNIDs and UNID HELP

- 790 UNID ?? - 9/2 0238 - Not sure if Mexican or domestic. Man in Spanish mentioned FM 105.9 along with garbled slogan. (TRH-CA1)
- 860 UNID ?? - 7/11 2345 - With *Sports Byline* program. Poor-to-fair, under Quebec. (SP-WI) [I think you mean CJB Toronto, Ontario - Ed.]
- 1010 UNID ?? - 9/1 2251 - With Sports Fan Radio Network. (TRH-CA1)
- 1030 UNID ?? - 6/9 2132 - With *Minnesota Twins* game, mention of *Hometown Inning* on CBS Sports, *Lenscrafters* ad. (SP-WI) [Editors note: Sheryl reported this as WCTS, but now is calling in an UNID. The logging was challenged by another NRCer, stating that WCCO would be the only station in the Minneapolis market carrying the Twins. So, let's help out here. Who on 1030 carries the CBS Game of the Week, and would be visiting Eastern Wisconsin on June 9th?]
- 1240 UNID ?? - 9/1 2140 - With CBS football. Even with, and sometimes over, local KDDZ (ex-KSON). Suspect unneeded KJAA-AZ. (TRH-CA1)
- 1280 UNID ?? - 7/17 0520 - "One on One Sports". (JR-CA)

- 1340 UNID ?? - 7/17 0225 - Talk Radio 1340 with Bloomberg Business Radio feed, local ad mentions next to the Liberace Museum on Tropicana Avenue. Cathedral City? (JR-CA) [Isn't the Liberace Museum on Tropicana in Las Vegas? I've driven by it, but wasn't aware of the street at the time. I'll bet this was KRLV - Ed.]
- 1380 UNID AR - 8/18 0029 - Booming signal, IDing as KARN-920 Little Rock, Arkansas. Arkansas Vacation promo spot, then announcement that KARN was available on 920 kHz and two FM channels for various portions of the state. The NRC Log (16th ed) states that this frequency is KPAL, North Little Rock, presently silent. Has KARN picked up the license from KPAL as a synchro on 1380? (SHP-TX) [See DX NEWS Issue 28, AM Switch column, Call Letter Changes and Otherness sections for the answers to your questions - Ed.]
- 1390 UNID ?? - 7/17 0539 - Dios Me Diga SS call-in show. ID as Trece Noventa. (JR-CA) [Maybe KCDR? - Ed.]
- 1610 UNID ?? - -6/29 0804 - Faint signal, religious music without an ID. Could possibly have been Anguilla, which I have heard here before. (JR-OK)

W O C O
 OCONTO RADIO 1260
 P. O. BOX 197
 OCONTO, WIS. 54143

TIS & OTHER STUFF

- 530 WTO624 MN - 8/15 0745 - Poor signal, with highway info for Minnesota and North Dakota, but mentioned Minnesota Department of Highways. Not sure of location as not given with ID. (SA-MB)
- 1610 KCP270 UT Vernal - 8/15 0637 - Poor signal, with mentions of the National forest and Vernal sites. NEW. (SA-MB)
- 1620 TIS CA San Diego - 7/6 1930 - New station noted with tape loop (male voice): Welcome to San Diego. You're listening to the Voice of the San Diego Convention Center on AM 1620. This initial broadcast is for test purposes only. Gets out fairly well. Hope this is just for the Republican National Convention. Could be a real pest. New, for CA #252. (TRH-CA)
- RNC CA San Diego - 7/8 2220 - Welcome to San Diego. You're listening to the voice of the San Diego Convention on AM 1620. This initial broadcast is for test purposes only. Later broadcast identified station as Republican National Convention Travel Information Station. (JR-CA)

MIDNIGHT TO 0800 HOURS ELT

- 590 KCSJ CO Pueblo - 8/8 0502 - Fair-to-good with Ovaltine ad in CBS News, Newsradio 59, KCSJ and into Art Bell rerun with discussion on the construction of the pyramids in Egypt. I've noticed he's finally begun to ID his network as the American CBC Radio Network. It's about time, Art! [Ed.-NM]
- 620 KAAM TX Plano - 8/18 0000 - Numerous Unforgettable 620 KAAM ID's and local program, KAAM's Saturday Night Sock Hop. Announcer's name was Jack Carlisle, featuring slow dance songs from 50s & 60s. Bloomberg Network News at 0000, into local weather forecast at 0002. Slight fades; adjacent channel KILT-610 was nulled out. Is this station the result of KWFT in Wichita Falls, TX, going silent? (SP-TX) [This IS the former KWFT, after moving lock, stock and coax about 90 miles to the southeast - Ed.]
- 630 KHOW CO Denver - 8/23 0400 - Fair signal, with clear KHOW ID, in CFCO null. (SA-MB)
- CFCO ON Chatham - 8/23 0346 - Fair signal, with no sign of local CKRC, so logged this guy instead. CKRC back by 0600. (SA-MB)
- 660 KCRO NE Omaha - 7/10 0700 - Religious talk with ID. (JR-OK)
- 840 KVEG NV North Las Vegas - 8/29 0755 - Weak, caught ID then stronger local stations started programming. (JR-OK)
- 980 WCUB WI Two Rivers - 7/11 0103 - With Cub Country slogan. Two Rivers weather, then C&W music. Alone on channel. (DE-MO)
- 1010 KXEG AZ Tolleson - 7/17 0359 - ID and mention now with 7500 watts. (JR-CA)
- 1030 WCTS MN Maplewood - 7/14 0630 - Weak, but alone, with sign-on. (RK-IL)
- 1220 KQEQ CA Fowler - 8/19 0208 - Good, with ID: KQEQ, Fowler and Fresno's kickin' AM. Not heard in a long time. (TRH-CA)
- 1320 KWHN AR Ft. Smith - 7/18 0742 - With Newstalk 1320 KWHN and farm report. (JR-OK)
- 1470 WL0L MN Brooklyn Park - 7/20 0252 - Presumed the one, in partial WMBD phase, with NOS & 1400 KLBB IDs. (RK-IL)
- 1490 KYCA AZ Prescott - 7/17 0306 - Noted in mess with sign-off announcement. (JR-CA)
- 1550 WCTZ TN Clarksville - 7/11 0044 - ID popped in over a mess of others, then was gone (I was lucky). New. (DE-MO)

- 1550 WMDH IN New Castle - 7/11 0048 - ID popped in over many others. New. (DE-MO)
- 0800 TO 1600 HOURS ELT
- 570 WNAX SD Yankton - 7/17 0805 - News with ID. (JR-OK)
- 750 KSEO OK Durant - 8/12 0801- Oldies with ID. My first time to hear this 250 watt station. (JR-OK)
- 770 KKOB NM Albuquerque - 7/19 0817 - Local NM news with ID. (JR-OK)
- 1090 KEXS MO Excelsior Springs - 7/14 1432 - GOS music; ad for Geo cars. (JR-OK)
- 1100 KNZZ CO Grand Junction - 8/9 0846 - News, ID and G. Gordon Liddy show. (JR-OK)
- 1110 KGBK TX Alvin - 8/9 0831 - REL talk show, location given as "Houston area". In phase null of KFAB. (JR-OK) [If you heard "KGBK", we've got a call change. But the Log says "KTEK", which is phonetically similar - Ed.]
- 1120 KTLE TX Cleburne - 8/9 0823 - C&W with ID. (JR-OK)
- 1250 KGDD TX Paris - 8/25 0840 - Oldies with ID Stereo 1250 K-Good. (JR-OK)
- 1310 WHEP AL Foley - 07/3 1331 - With ads for Baldwin County EMC and Direct TV and Mid-Day Community Market Report. Ad for Barb's Discount Fireworks at 1333. ID at 1340 as WHEP Radio, 1310 on that Radio Dial. (SHP-AL)
- KTCK TX Dallas - 8/30 0904 - Sports talk show, ad for raffle. (JR-OK)
- 1340 WFSH FL Valparaiso-Niceville - 07/02 1434 - With syndicated talk show, For The People into UPI Radio News at 1500. ID at 1459, 1340 AM WFSH Valparaiso- Niceville and ad for Niceville Fish Company at 1451. Local weather forecast at 1504. (SHP-FL)
- 1360 KSCJ IA Sioux City - 7/18 0800 - CNN news with ID. (JR-OK)
- 1400 WFAV FL Fort Walton Beach - 07/2 ID at 1514 as Fort Walton's AM Stereo 1400. Unforgettable!, then into ad for Heritage Cycle at 1519 and "Rose Harbour Interiors" at 1520. ID at 1523 as Memories 1400, The Only Station On The Emerald Coast With Great Memories. (SHP-FL)
- 1590 KGAS TX Carthage - 7/12 0815 - Local news with ID. Faded soon after logging. (JR-OK)
- 1600 KLEB LA Golden Meadow - 07/2 - Ad for Terrebonne Medical Center at 1532 and into CNN Headline News. IDs at 1540 as This Is Cajun Country KLEB and at 1542 as This Is Cajun Country KLEB Golden Meadow and The Gulf Coast. ABC Radio News at 1600. (SHP-FL)
- 1600 TO 2400 HOURS ELT
- 640 WCRB TN Collierville - 8/12 2057 - Religious talk, preaching with ID. (JR-OK)
- 930 KAFF AZ Douglas - 7/18 2219 - Kaff ID, local ads. Heavy QRM from KKHJ and other unID SS station. (JR-CA)
- KOGA NE Ogallala - 7/14 2140 - OLD music (Save the Last Dance For Me) with ID. In phase null of WKY. (JR-OK)
- 940 KIXZ TX Amarillo - 7/14 2150 - NOS music with ID. Fading badly. (JR-OK)
- 1010 KXEG AZ Tolleson - 9/1 2100 - ID by man mentioned 7500 watts, so CP must be on [See AM Switch in Issue 28 - Ed.]. Mixing w/unID with Dodgers baseball in SS. (TRH-CA1)
- KSIR CO Brush - 8/11 2130- Denver Broncos football game, ID and ad for Colorado lottery. (JR-OK)
- 1060 KFNA TX El Paso - 9/1 2129 - Good, with KUKQ, with R. Formula satellite feed including lists of stations in network. (TRH-CA1)
- 1080 KGVY AZ Green Valley - 9/1 2110 - Nice, with BBD music, mixing with XEDY. Usually too much slop to hear either of these. Have noticed that XEPRS is easier to null now that I'm a few miles inland. (TRH-CA1)
- 1170 KJOC IA Davenport - 7/11 2245 - With River Bandits baseball game, 1170 K-JOC. (SP-WI)
- 1190 KKOJ MN Jackson - 7/23 2122 - ID only. Heard-in phase null of several Texas stations causing strong interference. (JR-OK)
- 1200 KYOO MO Bolivar - 7/14 2037 - C&W music with ID. WOAI, nearly always strong on this frequency was not heard at this time, but faded in later. (JR-OK)
- 1250 KOFC AR Fayetteville - 7/14 2100 - Gospel music with ID then USA Radio news. (JR-OK)
- KEZQ AR Little Rock - 8/7 2109 - NOS and oldies with ID. (JR-OK)
- 1290 KWFS TX Wichita Falls - 7/16 2020 - Playing oldies (Rock Around the Clock), EE announcer, ID etc. (JR-OK)

- 1320 KLWN KS Lawrence - 7/18 2139 - Parade music, mention of Lawrence, Kansas parade. (JR-OK)
- KXYZ TX Houston - 8/5 2108 - SS music with R. Trece ID. (JR-OK)
- 1340 KCQLt NM Aztec - 9/1 2125 - Tentative. Fair-to-good with ad for Navajo Chevy(?), gave phone number with 505 area code. Seemed to be them with C&W, slogan *Your country favorites, best of the old and best of the new.* (TRH-CA1)
- 1350 KGHF CO Pueblo - 8/22 2150 - EZL music and ID AM 1350 KGHF. Flutter fading. (JR-OK)
- 1420 WOC IA Davenport - 7/8 2225 - With talk show and WOC, *Talk Radio 1420.* (SP-WI)
- 1490 KRUI NM Ruidoso Downs - 9/1 2218 - Good briefly with nice, clear ID. (TRH-CA1) [A real pest here, hi - Ed.]
- 1500 WLQV MI Detroit - 7/19 2357 - With religion and ID. (SP-WI)
- 1530 KCLR TX Ralls - 9/1 2224 - Good, with SS ID by man, ad for local restaurant. PSSA? Night authorization? These guys always seem to be on late. (TRH-CA1)
- 1540 KXEL IA Waterloo - 7/11 2130 - NOS music; Nat King Cole record. (JR-OK)
- KTNO TX University Park - 8/4 2145 - SS gospel music and SS preaching. No ID heard. (JR-OK)
- 1570 KBJT AR Fordyce - 7/27 2119 - Right wing talk show on "trilateral commission" with ID. Fading badly. (JR-OK)
- KLLA LA Leesville - 8/18 2130 - Oldies with ID. (JR-OK)
- 1600 KRVA TX Cockrell Hill - 8/3 2119 - SS music with R. *Varietades* ID. (JR-OK)
- 1630 KXBT CA Vallejo - 7/8 2229 - Loud and clear with Solid Gold. (JR-CA)

GRAVEYARD DX UPDATE

* indicates North American record-holder

1230 kHz:

KXO	CA El Centro	Mike Hardester	San Diego, CA	97
KBRR	CO Leadville	Mike Hardester	San Marcos, CA	738

1240 kHz:

WWCO	CT Waterbury	Don Trelford	Scarborough, ON	350
------	--------------	--------------	-----------------	-----

1340 kHz:

KSKI	ID Hailey	Mike Hardester	Modesto, CA	537
WRAW	PA Reading	Don Trelford	Scarborough, ON	294

1450 kHz:

KTIP	CA Porterville	Mike Hardester	Modesto, CA	*152
WTBO	MD Cumberland	Don Trelford	Scarborough, ON	287
XEPY	YUC Merida	Don Trelford	Runaway Bay, Jamaica	823

1490 kHz:

WEAG	FL Starke	Don Trelford	Runaway Bay, Jamaica	851
------	-----------	--------------	----------------------	-----

Totals:

		1230	1240	1340	1400	1450	1490	Total
Ron Bailey	Shelby, NC	19	22	18	14	20	19	112
Richard Turner	North Dartmouth, MA	11	6	3	8	9	7	44

DDXD-East

Upcoming deadlines: Weekly Tuesdays beginning September 24. Please note that I also now have a new e-mail address: <dayocis@webspan.net>. Contributions are always welcome via e-mail and the old-fashioned post office.

DX tip for September: Watch those local Friday-night high school football games! Many stations seem to stay on the air longer than they should for these events, and other stations break away from network or satellite programming for some good local stuff with lots of local IDs. A great way to add stations to your logbook in the fall.

Looks like we're off to a good start for the fall DX season. The low sunspot count brought some spectacular receptions last season, and this year promises to be as good, if not better. So dust off those DX machines and send your catches here to the banks of the Hudson River! And please note the call changes on two of our big eastern clears.

Mark Burns sends along some photos of his outdoor shack on DXpedition with Robert Pote this summer ... including a picture of Bob performing everyone's favorite DXpedition task, rolling up the Beverage wire! And some interesting DX paraphernalia appear in the photos... the tire jack serving as a ground rod un-installer, and what appears to this city slicker to be a .22 rifle, (for chasing away the QRM?)! Maybe we should start petitioning pls for a photo column in *DX News!* (You bet, if we have the room! -pls.) My apologies to Mark for omitting some of his loggings in the last issue. Welcome back to Jeff Kitz, who sends us some logs from western Virginia. And thanks to those who sent TIS updates from their vacation travels.

STATION NEWS

- 900 WKDW VA Staunton - 8/31 2123 - These guys are in every night now, and seem to be staying on U1 2500 watts, rather than powering down. "This is Big Country AM 900 WKDW ... we specialize in songs you won't hear anywhere else in the Shenandoah Valley," over/under XEW. (JK-VA)
- 910 WLAS NC Jacksonville - Noted off the air since 7/30 because of lightening strike, expect to be back by 8/9. Also discovered a new address and phone number: 3206 Gum Branch Road, Jacksonville NC 28540-9111; (910) 455-5207. Studios and address on Bell Fork Rd. are history. (MH-NC)
- 1000 WMVP IL Chicago - 8/16 0100 - In loud, with slight QRM from Colombia, XEOY, with WLUP97.9 FM simulcast, "It's nighttime on the Loop 97.9 FM stereo, and WMVP AM-1000 in glorious mono." Here's a replacement for WOWO, reminds me of WCFL. (JK-VA)
- + 8/27 0450 - Heard simulcasting with FM'er WLUP, hard rock program in the mornings, also carries Dr. Demento on early morning weekends. New format? (RCP-IN)
- 1060 WHFB MI Benton Harbor - 7/31 1110 - Noted with "AM 1060" non-ID and satellite 70's format, ex-NOS, from Westwood One. (PB-MI)
- 1090 WKTE NC King - 8/7 2400 - Per RT-NC's muse in Vol. 63, No. 29, these supposedly daytime-only guys are staying on till midnight, swamping out WBAL and KAAV with REL programming. At this time, heard sign-off: "AM 10-90 WKTE now concludes another day of broadcasting, we hope you enjoyed WKTE." After signoff CKKW was in strong (DA messed up?) with OLD. (JK-VA)
- 1100 WTAM OH Cleveland - 8/17 2101 - "WTAM National Weather Service forecast" in local news, to ESPN sports. Ex-WWWE. (DY-NY)
- 1110 CKTY ON Sarnia - 8/16 0105 - In nightly, sometimes actually atop WBT, with C&W. DA messed up? (JK-VA)
- 1160 WJJD IL Chicago - 8/15 0249 - In fair, with what sounded like "AM 1160 WJJD," and then NOS? Have they switched back to NOS? (JK-VA)
- 1190 WLIB NY New York - Per 8/10 Newark *Star-Ledger*, has been granted special FCC authorization to remain on the air until 2300 to cover the Republican and Democratic conventions. (JH-NJ)
- + 8/26 2126 - With convention broadcast, also the following night 2300, off abruptly 2307. Generally underneath WOWO the first night, on top of WOWO the second. (JCT-RI)
- 1210 WPTS PA Philadelphia - 9/1 2200 - "Philadelphia's Talk Station," ex-WGMP "The Game." (BC*TN)
- 1340 WWPA PA Williamsport - 8/13 1440, 8/14 0530 - Noted off the air while in Williamsport. Silent or transmitter trouble? (MH*PA)
- 1370 WEGM RI Wickford - 8/15 1600 - ID "WEGM Wickford-North Kingston." Sometime in July, I head an ID as "WEGM Wickford-Quonset Point." Both Wickford and Quonset Point are located in the town of North Kingston. (JCT-RI)
- 1410 WRCV MI Grand Rapids - 8/11 - Switched to these calls and a format of traditional country, slogan "Real Country 1410." Ex-WGRD, and no longer // 97.9 FM. (PB-MI)
- 1450 WCIE NC Spring Lake - 8/2 1030-1100 in Fayetteville NC - Believed this one, listed as silent in *Log*, simulcasting WMFA-1400 with GOS music. Two garbled IDs which sounded like WMFA and "WTIE," NC News Network at 1055, ID 1059. Poor to fair at best. (MH-NC)
- 1470 WJDY MD Salisbury - 8/16 2230 - In with UC and "The Touch" IDs, over WMMW, CHOW. This is now the dominant station here, replacing formerly strong WMMW. Seems way too loud for 43 watts (hi, DSI)? (JK-VA)
- 1490 WFLB NC Fayetteville - 8/2 1020 in Fayetteville NC - Noted silent. Has been heard in the past, so don't know if off air or transmitter problems. (MH-NC)
- 1550 WKQV PA Pittston - 8/16 1054 - With this ID, finally, in joint ID with WARM-590 and WKQV-FM-95.7. Now seems to be 100% // 590, mostly IDing as just WARM and giving all three frequencies. That should wrap up this saga. (DY-NY)
- + 8/30 0800 - ID for WARM "Warm Radio, AM 590, AM 1550, FM 95.7," no legal ID or mention of Pittston. (BC*PA)

1580 WNZT PA Columbia - Jim Weber passes along an article from the Lancaster *Sunday News*, suggesting that this station is still silent for financial, as well as technical reasons. May be off for a while more. (JW-PA)

UNID and UNID HELP

690 UNID - 8/18 0014 - In, with ESPN sports under/over weak CBF. Is this KGGF or WJOX? (JK-VA)

810 UNID - 8/4 2235 - In over/under WGY, with what sounded like "You're listening to today's continuous country on 99.5 (or 99.7?) FM..." Is this WCYK, or someone else? (JK-VA)

1070 UNID - 8/1 1955 - NASCAR racing show, mention of MRN Radio, CBS news at 2000. (WM-MD) [WNCT? - DY]

1120 UNID - 8/1 2315 - Under/over KMOX, with CNN Headline News. WBNM again, or WADN? (JK-VA) [Not WADN. Possibly WKQW? - DY]

1190 UNID - 8/16 2215 - Mostly under WOWO, with AC/Top 40. Is this WJES again? Not a SS unID. (JK-VA)

1240 UNID - 9/4 2300-2315 - Broke through the much on several occasions with announcement "... news channel 13, we're the news team that's watching out for you..." ID sounded like "WOXW". Possibly a simulcast, not WUOK. (RWT-MA) [Maybe WVKZ Schenectady NY? - DY]

1430 WXKS? MA Everett - 8/12 2040 - UC music, Gladys Knight and the Pips song, ID, though Log says NOS format. (WM-MD) [WXKS was heard here with NOS and "The Memory Station" ID as recently as 7/24, so maybe somebody else? - DY]

LOGGINGS: 0000-0800 ELT

530 CIAO ON Brampton - 8/23 0433 - Ethnic format, ID in EE 0430 followed by a jazz tune, host of show speaking in unID language. Very good, steady. (RCP-IN)

540 WDAK GA Columbus - 8/4 0500 - With One-on-One Sports // WQTM (which creates an echo), and ID: "AM 540, WDAK, Columbus." (JK-VA)

560 WIND IL Chicago - 8/11 0412 - Becoming a regular here, atop channel with interesting SS programming and "La Tremenda" IDs. (JK-VA)

570 WWNC NC Asheville - 8/23 0453 - Commentator giving the news and happenings of the Asheville area with a Paul Harvey style of delivery. Some QRM from unID station. (RCP-IN)

640 WGST GA Atlanta - 8/1 0008 - Poor with "News Radio 640 WGST," Rush Limbaugh promo, then tentative Jim Bohannon show. Heard them with Gil Gross show // WGST-FM on 8/11 0434. Fourth station in five minutes on this channel, two more and I'll have a six-pack! I know that KFI is in here somewhere. (JK-VA)

WFNC NC Fayetteville - 8/1 0007 - Fair, with "News-Talk 640 WFNC," then tentative Art Bell. This is the second-most dominant station here on 640, not counting Cuba. (JK-VA)

WHLO OH Akron - 8/1 0003 - Poor with REL, WHLO IDs. (JK-VA)

WGOC TN Blountville - 8/1 0004 - "Top Gun Country, Stereo 640" ID, the dominant station here. (JK-VA)

660 WFAN NY New York - 8/11 0513 - Off the air! Only SS stations left, was hoping KTNM would come in like they did a few years ago. (JK-VA) [And I missed it! My most wanted silent period. - DY]

WXIC OH Waverly - 8/5 0630 - Fair with REL music, call ID. (MB*IN)

730 WFMW KY Madisonville - 8/11 0400 - In briefly in XEX null, with call ID by woman. New. (JK-VA)

740 KRMG OK Tulsa - 8/11 0511 - Strong over CBL with TLK. (JK-VA)

780 WWOL NC Forest City - 8/29 0545 - Sign-on at this time, "WWOL begins broadcast day," etc. Very good under WBBM. (RCP-IN)

810 WMJH MI Rockford - 7/17 0539 - EZL format, "Magic 810" slogan, song "I Wish You Love," several others back to back, ex-WISZ. Fair, mixing with WEKG. (RCP-IN) [I think these are the right calls, Bob. - DY]

820 WBAP TX Fort Worth - 8/16 0106 - Strong with "The Bill Mack All-Night Show" for truckers. "The midnight cowboy rides again on the 50,000 watt tower of power, coast to coast," then introduction of Bill's various "characters" portrayed with sound effects, etc., such as "Terrible Truman" and the "Wonder Dog," etc. (JK-VA)

880 WCBS NY New York - 8/11 0300-0400 - Off the air! Weak C&W underneath (KRVN?) and SS stations. Pay attention to this channel! (JK-VA)

WRFD OH Worthington - 8/11 0600 - Strong WCBS swamped out by WRFD sign-on, with mentions of power, etc. (JK-VA)

910 WSUI IA Iowa City - 8/5 0630 - Good on the Beverage with NPR news, call ID. (MB*IN)

KVIS OK Miami - 8/31 0553 - Gospel format, announcer said, "God bless you and have a great Labor Day weekend," then a tune by Kingsmen Quartet. Very good, this 1,000 watt makes it to my QTH quite regularly. (RCP-IN)

970 WNVV GA Atlanta - 8/22 0533 - Wynn-Dixie ad, also promo for Atlanta Braves, followed by news roundup of Gwinnett County, GA. Fair with fades. (RCP-IN)

CBZ NB Fredericton - 8/6 0504 - CBC news, "CBC Fredericton" ID, local news, good over WWDJ. (DY-NY)

1030 KCTA TX Corpus Christi - 9/2 0700 - Good with SS REL, ID and scripture in EE, over WBZ. (BC*TN)

1140 WLOD TN Loudon - 7/31 0530 - "WLOD, your local radio station," into a gospel song, followed by "Great gospel music on AM 1140." No sign of WRVA; fair with much fading. (RCP-IN)

1150 WGOW TN Chattanooga - 7/29 0535 - "The rush to talk starts at News-Talk 1150 WGOW," fair while in. (RCP-IN)

1160 WSKW ME Skowhegan - 8/5 0025 - Prime Sports, nice clear ID, at times over partially nulled WVNJ. Must have been on day power. They seem to "forget" about that rather often, so keep an eye out here if you need Maine! (DY-NY)

WVNJ NJ Oakland - 8/15 0305 - Briefly over WJJD, with "WVNJ" mentions, new. (JK-VA) [This could be your NOS station here, Jeff. - DY]

1200 WOAI TX San Antonio - 7/27 0111 - Good, "Dallas Cowboys Radio Network" programming, over WAGE, others. (JK-VA)

1260 KTTS MO Springfield - 8/25 0549 - C&W format, "Indian Outlaw" song, fair with fading, over local WNDE at that hour. (RCP-IN)

1300 KBRL NE McCook - 8/8 0440 - Fair with OLD music, call ID. Log says C&W, 136 watts. (MB-IN)

1360 WGEE WI Green Bay - 7/22 0536 - ID, then back to the jumble, poor. (RCP-IN)

1400 WILI CT Willimantic - 8/9 0540 - ID, "AM 14," program "America in the Morning." (WM-MD)

1410 WRMN IL Elgin - 7/23 0534 - "The Voice of Kane County," mention of People's Radio Network. Poor, much QRM from WING, WHLN. (RCP-IN)

1540 KXEL IA Waterloo - 8/17 0026 - Clear for a change, strong carrier over CHIN, "KXEL AM 15-40" ID and NOS. (JK-VA)

1580 WPGC MD Morningside - 8/17 0024 - "Club 95, WPGC 95.5 FM" IDs, the dominant station on 1580 here. (JK-VA)

+ 8/28 0545 - Black-oriented programming, soul music, ad for Suburu Rodeo, followed by news and happenings in the black community, many mentions of D.C. area. Not heard in quite a while. Very good, almost local-like. (RCP-IN)

WONZ NJ Hammonton - 8/26 0608 - Fair with ad for South Jersey Gas Co., into local weather. (MB*MA)

1600 WAQY MA East Longmeadow - 8/3 0632 - Station contest promo, "Rock 102" IDs, fair-poor under WWRL. (DY-NY)

KATZ MO St. Louis - 8/7 0112 - New, with St. Louis mentions, UC, and "KATZ" IDs. (JK-VA)

1630 KXBT CA Vallejo - 8/15 0207-0237 - Good for 1,000 watts, with UC: OLD/EZL and "KXBT" IDs. Also strong 8/16 2305-2328 (with 10 kW) with various music, including "Rubber Band Man" and the Doobie Brothers' "Minute by Minute." Peaks at CA sunset and again in the early AM. New, for CA #6 in VA. Still doesn't match KFI's 5-9 to 5-9+20 dB signal which used to be picked up nightly in western NY. (JK-VA) [Still haven't heard this one here ... and the Stony Brook NY TIS has apparently moved to 1630 now! - DY]

+ 8/23 0443 - Gospel song "Thank You, Lord," followed by female announcer saying, "The station that plays your favorite songs." Not heard since last winter, fair amidst static crashes. (RCP-IN)

1660 WJDM NJ Elizabeth - 8/16 0213 - R. Aahs IDs. They keep getting louder and louder here; 10 kW at night now too? (JK-VA)

LOGGINGS: 0800-1600 ELT

550 WGR NY Buffalo - 8/4 1223 - Good over semi-local CHNO with sports talk show about Buffalo Bills. (MS*ON)

660 WMIC MI Sandusky - 8/4 1221 - Excellent with time check, ID, political announcement. (MS*ON)

690 WNZK MI Westland - 8/4 1207 - Excellent with ad for a tour mentioning Dearborn and Warren, polka music, female announcer. (MS*ON)

700	WWTL	MD	Walkersville - 8/14 1015-1105 - Male announcer in presumed Hebrew? Only EE noted at 1100 ID, while driving along I-66 East in Shenandoah Park area. (MH*VA) [No, Mike, it's Arabic. - DY]
830	WMMI	MI	Shepherd - 8/4 1053 - Good with oldies, "WMMI Shepherd-Mount Pleasant" ID 1100. (MS*ON)
1000	WMVP	IL	Chicago - 8/4 1301 - Good with ID, other Chicago clears also in all day on N/S longwire. (MS*ON)
1030	WUFL	MI	Sterling Heights - 8/4 1417 - Good with local church announcements, ID as "Family Life Radio for Greater Detroit, Listener Supported WUFL." (MS*ON)
1190	WOWO	IN	Fort Wayne - 8/4 1300 - Good with ID, in all day on N/S longwire. (MS*ON)
1340	CKNR	ON	Elliot Lake - 8/4 1048 - Good with old standards (Frank Sinatra, etc.) // CJNR-730 and CKNS-930. (MS*ON)
1400	WSTC	CT	Stamford - 8/28 0810 - Fair with local news, many mentions of Fairfield County and Bridgeport. (MB*MA)
	WKNW	MI	Sault Ste. Marie - 8/4 1358 - Fair with One on One Sports, local ID 1400. (MS*ON)
1470	WHUT	IN	Anderson - 8/4 1515 - Good with Charlie Rich's "Behind Closed Doors," ID as "Just one great memory after another, the music of your life, AM 1470, WHUT." Can't hear at home due to WTHI-1480 slop. What a difference 25 miles can make! (MB*IN)

LOGGINGS: 1600-2400 ELT

540	WWCS	PA	Canonsburg - 8/16 2215 - Ethnic programming, NOS later on. Careful ... this is not CBK! (JK-VA)
580	WGAC	GA	Augusta - 7/4 2128 - Very good on the Beverage with ad for Lincoln-Mercury, ID as "News-Talk Radio WGAC" at 2130, then Braves Radio Network. (MB*IN)
	+		7/20 2035 - "WGAC, the voice of the Atlanta Braves," Houston vs. Atlanta baseball, very good while in. (RCP-IN)
720	WRZN	FL	Hernando - 8/4 2200 - Strong over WGN, CHTN, with "Rated number one, Sunshine 720 WRZN." Forgot to throw that 250 watt switch? (JK-VA)
770	WCGW	KY	Nicholsville - 7/4 1815 - Good (S-7) on Beverage with call ID, REL music. Can't hear at home (25 miles west) due to WEW QRM, which could be heard on the Kiwa but not the Beverage. (MB*IN)
830	WCRN	MA	Worcester - 8/28 1858 - Fair-good with gospel program from Mission Street Church in Boston, triple-headed ID at 1900 "830 WCRN Worcester, 950 WROL Boston, 730 WACE Chicopee-Springfield." // WACE-730 noted, WROL-950 not heard. (MB*MA)
890	WBPS	MA	Dedham - 8/28 1900 - Fair with ID: "We're big on Boston Sports, 890 AM WBPS Dedham-Boston," into sports talk. (MB*MA) [Note correct calls, Mike. - DY]
900	WSNQ	MI	Gaylord - 8/4 1745 - Good with travel promo mentioning Rogers City, etc., departures for trip to Rhode Island, into syndicated talk. (MS*ON)
960	WTCH	WI	Shawano - 8/21 2057 - Good-fair with C&W music, ID as "960, WTCH." (MB-IN)
	CFFX	ON	Kingston - 7/19 2202 - Noted end of news, CFFX ID. Good Time Oldies, also ID as GTO-960 by chorus. Weak at first, and stronger after. New. CHNS also has GTO programming here. (WW*RI)
970	WWDJ	NJ	Hackensack - 8/10 2013 - Weak, fady, with ID: "New York's Christian Radio, 970 DJ." (WW*RI)
1030	WNOW	NC	Mint Hill - 9/1 1930 - Good, end of SS program and sign-off in EE, leaving WBZ in the clear. (BC*TN)
	WFTK	NC	Wake Forest - 8/1 1945 - Preacher, ID, good in WBZ null. (WM-MD)
1060	WLNO	LA	New Orleans - 7/20 2001 - Religious format, ads for Clayton Motors, Baskin-Robbins, then back to Houston Astros vs. Atlanta Braves baseball. First time heard, and long sought, some KYW QRM. (RCP-IN)
1070	WZBZ	NY	Plattsburgh - 8/10 1935-59 - Good but fadey at times, Dr. Joy Brown, sign-off 1958. (WW*RI)
	WINA	VA	Charlottesville - 8/22 1945 - Call letters only. (WM-MD)
1080	WOAP	MI	Owasso - 8/4 1734 - Good with Shiawasee County Fair report, mention of "Health Line" into song "Blue Velvet." (MS*ON)
	WDSY	PA	Pittsburgh - 8/1 2010 - C&W countdown show, "Y-108" ID. (WM-MD)
1110	KYKK	NM	Hobbs - 8/17 2057 - Heard legal ID "KYKK, Hobbs." Not much, but NM #1! (MB-IN) [Congratulations! - DY]
1170	WMRH	WI	Waupun - 6/27 2025 - Good-fair with Carpenters, ID as "Playing the music of your life, WMRH," more NOS music. Lost to KVOO by 2030. (MB-IN)
1190	WDSC	NY	Cobleskill - 8/3 2025 - Sign-off with SSB, good over WOWO in WLIB null. (DY-NY)

1200	WQLS	AL	Ozark - 9/1 1945 - Good; southeast Alabama child advocacy and selective service PSAs, CNN Headline News. (BC*TN)
1210	WBIU	LA	Denham Springs - 9/1 2210 - Good; C&W music and ID in WPTS null. (BC*TN)
1220	WAXO	TN	Lewisburg - 7/4 2122 - Word for word copy with call ID, mention of Lewisburg, AC music. Log says 144 watts at night. Poor on the Kiwa. (MB*IN)
1230	WSOO	MI	Sault Ste. Marie - 8/3 1816 - Good with song "Eleanor," mention of downtown Sault Ste. Marie, ID "Take us with you wherever you go, AM 1230 Radio Soo." (MS*ON)
1240	WCBY	MI	Cheboygan - 8/3 1812 - Good with "1240 WCBY" ID, promo for "Tradio" program, Cheboygan ads. (MS*ON)
1270	WAIN	KY	Columbia - 8/6 1954 - Fair with TC, ID as "Hot country WAIN," C&W music, ABC news. (MB-IN)
1280	WHVR	PA	Hanover - 8/17 1940 - Mention of Hanover, SID, Packers vs. Ravens NFL pre-season game. (WM-MD) [Baltimore Ravens are the ex-Cleveland Browns, maybe on this network? - DY]
1300	WQBK	NY	Rensselaer - 7/19 2051 - Poor with "AM 1300 WQBK" ID. (WW*RI)
1320	WTCK	NC	Greensboro - 8/7 2131 - SPT, "Sports Talk 1320, The Ticket" ID, over/under WJAS's usual NOS. (JK-VA)
1330	WFBC	SC	Greenville - 9/1 2105 - Good; WORD Carolina Caravan promo and "News-Talk WORD" ID, // WORD-910. (BC*TN)
1350	WGPL	VA	Portsmouth - 8/2 2125 - Call letters only, also heard some country-gospel sounding music. (WM-MD)
1370	WPAZ	PA	Pottstown - 7/31 2040 - Hardware City vs. Reading minor league game, soft drink ad, ID. (WM-MD)
1400	WABY	NY	Albany - 7/19 2105 - Weather, call ID. (WW*RI)
1450	WATZ	MI	Alpena - 8/3 1753 - Good with One on One Sports, ID at 1800 "This is WATZ AM." (MS*ON)
	WNBY	MI	Newberry - 8/3 1800 - Fair with ID "WNBY Newberry, it's 6:00," in WATZ pause. (MS*ON)
1460	WRAD	VA	Radford - 8/7 2121 - New, with NOS and "Your golden memories station," over WCMB, others. (JK-VA)
1480	WQKS	KY	Hopkinsville - 7/4 1914 - Poor with ad for local Chevy dealer, call ID, mention of Hopkinsville. No real difference on either antenna. (MB*IN)
1490	CFPA	ON	Port Elgin - 8/3 1807 - Good with sports, local scores, mention of Owen Sound and Meaford, CFPA call ID, weather. (MS*ON)
1510	WNRB	MA	Boston - 8/23 1940 - Religious music, ID. (WM-MD)
1550	WTTC	PA	Towanda - 8/5 1955 - ID, // 95.3 FM, Pirates vs. Phillies baseball. (WM-MD)

TIS AND MISCELLANEOUS

530	WNFL338	MD	Hagerstown - 9/2 1400 - Maryland Natural Resources Police info for Potomac River. (BC*MD)
	WNSL338	MD	----- 8/6 1700 - On I-95 North approaching MD/PA border, traffic alert for accident and blocked lane ahead ... was it ever! ID by woman. ID listed for Williamsport/I-81, so maybe a mobile ID now. (MH*MD)
	+		8/14 0855 - On I-95 South approaching PA/MD border, Potomac River warning by male and female announcers, woman with ID as WNSL338. Owing to two different strength levels, suspect different transmitters. (MH*MD)
	TIS	NC	----- Date? - On I-95 at NC/VA border, male announcer with NC traffic regulations, trucker info, etc. Range approximately 10 miles. (MH*NC)
	WPEx992	PA	Dunmore-Scranton - 8/30 0930 - Construction info for motorists entering Scranton via I-81 south and I-84. (BC*PA)
	KNAV736	VA	Fredericksburg - 8/6 and 8/14 afternoons - No sign of TIS activity along I-95 while in the area; listed station not heard. (MH*VA)
	WPBM597	VA	New Market - 8/30 1500 - Information and directions for New Market Battlefield Historical Park. (BC*VA)
	WPDF247	VA	North of Roanoke - 8/30 1700 - Construction info for I-81 South, mobile transmitter located in median. (BC*VA)
	TIS	VA	Richmond - 8/6 1400 - Richmond City TIS with local attraction info by male announcer, heard along I-95 North. Covers about 15 miles, so suspect a series of transmitters. Listed calls of WNW277 not announced. (MH*VA)
1610	TIS	FL	Jasper - 8/11 2050 - Hamilton County Emergency Management, per David Crawford discovery. Surprised to pull this all the way down here through the 1610 pileup. Fair to poor at peaks, male voice with same cart



- as per Crawford: ("Testing. This is a test of an information and emergency broadcast system, owned and operated by Hamilton County, Florida, Emergency Management, operating on a frequency of 1610 kHz AM with an output power of 60 watts. This station is located in Jasper, Florida. I repeat, this is only a test of an information and emergency broadcast system. End of test.") Less than half of the text copiable on any given cycle here, however. Local Excel Telecommunications (1609.8), Tampa Int'l (1610), Everglades Nat'l Park (1611) and the Haitian (1610) competing. (TLK-FL)
- TIS FL Seminole** - "Hunt Club Estates" no longer active. The moderl home has been overthrown by human occupants. Maybe Vince Development Company will reactivate somewhere else? (TLK-FL)
- TIS FL Tierra Verde/Madeline Key** - This TIS, located just north of Ft. DeSoto, appears inactive. Per a drive-by on 8/17, the bridge is still under construction, with sporadic closures from midnight to 5 a.m., but the signs for 1610 are now gone. This (was) presumably the same transmitter that was briefly active during the Corey Avenue Bridge construction. Suspect it may reactivate somewhere, assuming it still works. (TLK-FL)
- TIS VA Fredericksburg** - 8/6, 14 - No sign of National Park Service or other TIS activity while in area, along I-95. (MH*VA)
- WPEX992 PA Wilkes-Barre** - 9/2 1600 - Detour info around northbound I-81 Lakawana Valley construction, different from 530 message. (BC*PA)
- KIE741 VA Front Royal** - 8/14 1200-ish - Shenandoah National Park TIS with woman announcing fees, restrictions, parking, etc. Two part LONG message. Initially noted along I-66 West, and in Front Royal. (MH*VA)
- TIS VA Richmond Intl. Airport** - 8/6, 8/14 - Possibly this noted along I-95 North approaching and I-95 South leaving Richmond. Bits of audio noted on parking, and what sounded like "North Carolina flights ..." Male announcer. Poor level to occasional fair peaks. (MH*VA)
- WPDF247 VA Salem** - 9/2 0800 - Construction info for northbound I-81 motorists near Roanoke. (BC*VA)
- HAR VA VA/NC Border** - Date? - DoT HAR with male announcer on I-95 North with traffic delay info. About 5 miles into VA, noted a second station, same male announcer, with loop for people leaving VA. Range of each transmitter about 2 miles. (MH*VA)
- 1620 WQO635 VA Staunton** - 8/16 0200 - In most nights, between the 1610 Caribbean Beacon/TIS graveyard and KXBT's UC, with mentions of Staunton and Blue Ridge area attractions. I think the Staunton Chamber of Commerce runs this one; they must have a pretty good antenna, as they dominate over one or two other stations. This might also be running from the top of Afton Mountain, where Route 64 crosses the Blue Ridge Parkway. (JK-VA)

REPORTERS

- | | | |
|--------|------------------|--|
| PB-MI | Phil Boersma | Spring Lake MI: Local news |
| MB*MA | Mike Brooker | DXing in Lenox MA: Panasonic RFB-45 |
| MB-IN | Mark Burns | Terre Haute IN: R8, 80' LW, Kiwa loop |
| MB*IN | | Poland IN: R8, Kiwa loop, 1000' Beverage @ 280 degrees |
| BC** | Bruce Conti | To and from NRC convention in Knoxville TN |
| TLK-FL | Terry L. Krueger | Clearwater FL: NRD-535 |
| JH-NJ | John Hanz | Old Bridge NJ: Local news |
| MH-NC | Mike Hardester | Jacksonville NC: Car radio, and travel observations |
| JK-VA | Jeff Kitz | Jarratt VA: Superadio II, RQ-V60, both barefoot |
| WM-MD | William McGuire | Cheverly MD: DX380 |
| RCP-IN | Robert C. Pote | Greenwood IN: R8A, Quantum loop |
| MS*ON | Morris Sorensen | DXing from Misery Bay (western Manitoulin Island ON): RF-B65, 350' LW running N/S. |
| JCT-RI | John C. Thresher | Wakefield RI: |
| RWT-MA | Richard Turner | North Dartmouth MA: |
| WW*RI | William Wyllie | DXing from Prudence Island RI: DX390 |
| DY-NY | David Yocis | South Nyack NY: R71A, Kiwa loop |

International Jim Renfrew JimRenfrew@Delphi.com

61 Wilcox Street
Rochester, NY 14607-3832

Foreign DX Catches. Times are UTC; for ELT, subtract 5 hrs.

THE IDXD REPORTERS CUP

Last season, reporters from Canada won the first IDXD Reporters Cup, based on the high percentage of provinces reporting DX. This year the Cup goes to the USA. One more Canadian province would have achieved a tie, but wait until next year, eh! Here are the final Volume 63 standings, with last minute additions of ME, WI and NB!

USA: AZ, CA, CO, CT, DC, DE, FL, GA, HI, IA, IL, IN, KS, LA, MA, MD, ME, MI, MN, NC, NH, NJ, NY, OH, OK, OR, PA, RI, SC, TN, TX, VA, WA, WI = 34/51 = 67%

CANADA: AB, BC, MB, NB, NF, ON, PQ = 7/12 = 58%

Thanks to all reporters who submitted loggings to IDXD during the last year! And welcome to Michael Manning, another DXer from Delaware. Congratulations to Bill Dvorak who heard the last HCJB test from Wisconsin!

SPECIAL REPORT FROM NRC CONVENTION

NRC and DXAS members had the opportunity to hear TA DX at the NRC Convention site in Knoxville, TN, with Croatia-1134 booming in on Sunday night (SEP 2 UTC). Besides the clear reception of Croatia, several strong TA hets were noted, including Algeria-891, Germany-1017, and Libya-1251, and this was just with two 15-m wires in the less-than-ideal RF environment of the hotel building! Longer antenna wires of at least 30-m would've likely produced audio on some of the hets. But at least this was evidence that you don't have to be located on the coastline to hear TA DX. Midwest DXers may want to keep an ear on these and other TA frequencies such as Spain-585, 684, 855, England- 1053, 1089, 1215, and Norway-1314, as we are now in what has been a peak period for TA activity over the past couple of years with the sunspot cycle bottoming out. 73 [Conti-TN]

TRANS-ATLANTIC DX

- 153 ALGERIA, Bechar, AUG 3 0442 - // 549 with drums, strings, group AA vocal with slight reverb (as if in large hall). Massive signal during a powerful dawn enhancement run into North Africa. [Connelly*H-MA] AUG 31 0215 - Woman speaking to male caller in AA, good. [Manning-DE]
- 162 FRANCE, Allouis, JUL 21 0145 - FF vocal in the style of early '60s Paul Anka; good. [Connelly*Y-MA] AUG 3 0441 - woman in FF // 1375; excellent. [Connelly*H-MA]
- 183 GERMANY, Saarlouis, JUL 21 0352 - dance-rock music, then female FF talk; good. [Connelly*Y-MA] AUG 3 0440 - man & woman in FF; to good peak. [Connelly*H-MA] AUG 31 0220 - Man and woman speaking FF, good. [Manning-DE]



LS5 RADIO RIVADAVIA

Escuche Rivadavia. Y vea un líder en acción.

- 198 UNITED KINGDOM, BBC WS synchros, Droitwich et al., JUL 21 0143 - man & woman in political discussion // 6175; fair. [Connelly*Y-MA] AUG 3 0439 - light jazz, woman in EE; good. [Connelly*H-MA] AUG 31 0225 - Pop music program, IDs as BBC, male DJ. [Manning-DE]
- 207 MOROCCO, Azilal, JUL 21 0147 - AA music mixed with "QI" beacon. [Connelly*Y-MA] AUG 3 0439 - AA male vocal & violins; LOCAL-LIKE. [Connelly*H-MA]
- 216 FRANCE, Roumoules, JUL 21 0351 - FF pop vocal, man & woman in FF with some telephone callers; good to excellent. [Connelly*Y-MA] AUG 3 0438 - FF vocal, talk; fair. [Connelly*H-MA]
- 234 LUXEMBOURG, Junglinster, JUL 21 0138 - mellow guitar music; fair to good. [Connelly*Y-MA]
- 252 IRELAND, Clarkstown, JUL 21 0348 - techno-dance music; fair to good. [Connelly*Y-MA] AUG 3 0436 - US pop-rock vocal; excellent. [Connelly*H-MA]
- 531 SPAIN, RNE5 synchros, AUG 3 0123 - SS teletalk; over others. AUG 25 0037 - bits of SS talk in RVC-530 slop. [Connelly*P-MA]

- 531 ALGERIA, Ain El Beida, AUG 3 0443 - AA music // 153, 549; poor to fair in mix with Spain. [Connelly*H-MA]
- 549 ALGERIA, Les Trembles, AUG 3 0434 - exciting modern AA (rock-influenced) vocal; good. [Connelly*H-MA] AUG 25 0036 - het, bits of AA talk. [Connelly*P-MA] AUG 26 0335-0356 - Loud and clear with Middle Eastern music, man and woman in AA. Virtually no fading and no problem from domestics on 550. [DeLorenzo-MA]
- 567 IRELAND, R. 1, Tullamore, AUG 25 0035 - recent hit "Breakfast at Tiffany's" by Deep Blue Something; good, apparent Spain RNE5 station in background. [Connelly*P-MA]
- 576 ALGERIA, Bechar, AUG 3 0445 - AA vocal // 153, 531, 549; poor with possible co-channel Spain. [Connelly*H-MA]
- 576 SPAIN, RNE5, Barcelona, AUG 24 2336 - man in SS; to fair peak. Other stuff (likely Algeria, Portugal) under. [Connelly*P-MA]
- 585 SPAIN, RNE1, Madrid, AUG 3 0122 - SS talk / teletalk with man & woman; LOUD. AUG 23 0357 - woman in SS over low growl. [Connelly*Y-MA] AUG 24 2335 - man in SS; loud. [Connelly*P-MA] SEP 7 0201 - News in SS // 684, weak in noise. [Renfrew-NY]
- 594 PORTUGAL / unID (MOROCCO or SAUDI ARABIA), AUG 24 2335 - bits of PP talk & AA talk mixing; fast resultant SAH. [Connelly*P-MA]
- 603 SPAIN, RNE5 (/RNE1) synchros, AUG 3 0447 - // 585 with fast SS talk by 2 men; over other station that turned out to be Madeira. AUG 13 0336 - // 684 with upbeat male SS vocal; good, alone on channel. [Connelly*H-MA]
- 603 MADEIRA / SPAIN, AUG 24 2334 - PP vocal mixed with SS talk; poor to fair. [Connelly*P-MA]
- 603 MADEIRA, RDP, Pico de Arieiro, AUG 3 0513 - male pop-soul vocal definitely // Azores-693 and Portugal-666. Atop Spain at this time. [Connelly*H-MA]
- 612 MOROCCO, Sebaa-Aioun, AUG 3 0448 - // 207 with between-show fanfare music, man in AA; good. AUG 13 0335 - AA male vocal. [Connelly*H-MA] AUG 24 2332 - AA male a cappella vocal at huge level (almost pinning R8A S-meter); annihilating WGIR/others on 610. [Connelly*P-MA]
- 621 CANARY ISLANDS, Santa Cruz, Tenerife, AUG 3 0519 - HUGE with SS teletalk. [Connelly*H-MA] AUG 24 2333 - SS newstalk; good. [Connelly*P-MA]
- 639 SPAIN, RNE1 synchros, La Coruna et al., AUG 3 0115 - SS talk; in bad slop. AUG 24 2330 - uptempo SS pop vocal, then fast SS talk by man; strong, drilling a big hole in WNNZ-640. [Connelly*P-MA]
- 648 SPAIN / unID, AUG 3 0116 - bits of SS talk; atop unID with Afro/AA-sounding music. UnID probably Gambia or the Libyan; Saudi Arabia less likely. [Connelly*P-MA]
- 648 unID's, AUG 24 2329 - multi-station jumble including AA-sounding music and operatic vocals / classical music. [Connelly*P-MA]
- 657 SPAIN, Madrid, AUG 24 2328 - pop vocal, then man in SS; getting by WFAN slop. [Connelly*P-MA]
- 666 PORTUGAL, RDP, Lisboa, AUG 3 0112 - John Lennon song // Azores-693; good. [Connelly*P-MA] AUG 13 0333 - PP teletalk; strong carrier, weak audio. [Connelly*H-MA] AUG 24 2326 - PP male vocal; barely over a graveyard-like mess of others. [Connelly*P-MA]
- 675 NETHERLANDS, R. Ten Gold, Lopik, AUG 25 0032 - excellent with oldies including "I Put a Spell on You" by Screamin' Jay Hawkins. [Connelly*P-MA]
- 675 FRANCE Marseille, SEPT 5 0235 - Fair signal with man and woman in FF. Has been heard several times recently and is // to 162 which is usually stronger. [Dangerfield-PA]
- 684 SPAIN, RNE1, Sevilla, AUG 3 0022 - excited SS talk; to good peak with WRKO nulled. [Connelly*P-MA] AUG 13 0256 - man in SS with interspersed jazz; good at 0256 with WRKO nulled, up to excellent level by 0313. [Connelly*H-MA] AUG 23 0351 - loud with romantic vocal, then man in SS. [Connelly*Y-MA] AUG 24 2321 - fast SS talk; good. [Connelly*P-MA] AUG 31 0135 - Man and woman speaking SS, incredible signal +10 dB. [Manning-DE] SEP 7 0139 - Very good, but fadey at times, with woman talking to people on the telephone // 585. [Renfrew-NY]
- 693 AZORES, RDP, Santa Barbara, Terceira, AUG 3 0112 - LOCAL-LIKE with John Lennon's "I'm Just the Jealous Kind" // 666. [Connelly*P-MA] AUG 13 0340 - fast PP newstalk by man; atop BBC. [Connelly*H-MA]
- 693 UNITED KINGDOM, BBC synchros, Droitwich et al., AUG 3 0024 - BBC discussion briefly over Azores. [Connelly*P-MA] AUG 23 0355 - EE talk by woman; fair, over others. [Connelly*Y-MA] AUG 25 0032 - BBC EE report by man; over Azores pop music. [Connelly*P-MA]
- 711 WESTERN SAHARA, Laayoune, AUG 24 2320 - bits of AA talk noted in (rather ineffective) loop null of WOR. [Connelly*P-MA]

- 711 FRANCE Rennes, SEPT 5 0459 - Strong and clear with FF fem vocal. Not // to the other B network stations before the hour, but all went to news at 0500. [Dangerfield-PA]
- 729 SPAIN, RNE1 synchros, AUG 3 0024 - SS talk // 684; poor in slop. AUG 25 0031 - // 738 with female operatic vocal from Bizet's "Carmen"; to good peak. [Connelly*P-MA]
- 738 SPAIN, RNE1, Barcelona, AUG 3 0108-0117 - SS sportstalk, fair at 0108, loud by 0117. [Connelly*P-MA] AUG 23 0345 - folk vocal (style similar to Gordon Lightfoot), then SS talk; getting by CHCM slop. [Connelly*Y-MA] AUG 25 0030 - female operatic vocal from Bizet's "Carmen"; excellent. [Connelly*P-MA]
- 747 CANARY ISLANDS, Las Palmas, AUG 3 0110 - SS teletalk mixed with Netherlands; poor to fair. [Connelly*P-MA] AUG 13 0325 - SS female vocal; mixed with others. [Connelly*H-MA]
- 747 NETHERLANDS, Flevoland, AUG 3 0119 - "Mrs. Robinson" by Simon & Garfunkel [1968]; atop Canaries SS talk. AUG 25 0029 - Gladys Knight style soul vocal, Dutch talk; very good to excellent with full modulation like a US station. [Connelly*P-MA]
- 756 GERMANY, Braunschweig-Ravensburg, AUG 3 0118 - classical piano music; fair over probable Spain/Romania mix. [Connelly*P-MA] AUG 4 0117 - woman in GG gave weather and temperatures for several cities. [Connelly*W-MA]
- 756 SPAIN, R. Euskadi, Bilbao, AUG 13 0324 - poor to fair with man & woman in SS; over others. [Connelly*H-MA] AUG 25 0038 - mellow SS vocal with a '50s feel, then SS talk; over probable Germany. [Connelly*P-MA]
- 765 SWITZERLAND, RSR, Sottens, AUG 3 0119 - light classical music; fair through WABC slop. [Connelly*P-MA] AUG 25 0025 - classical piano music; to good peak. [Connelly*P-MA]
- 774 SPAIN, RNE1 synchros, AUG 13 0321 - // 684, 855 with Latin-American influenced uptempo male SS vocal, then man in SS; fair. [Connelly*H-MA] AUG 31 0140 - Man and woman speaking SS, deep fades. [Manning-DE]
- 774 EGYPT, Abis (t), AUG 24 2318 - AA music briefly came up to huge level and buried Spain. Egypt suspected, based on power and on strong propagation from the 819 and 864 outlets. [Connelly*P-MA]
- 792 SPAIN, SER, Sevilla, AUG 13 0320 - fast SS teletalk; fair. [Connelly*H-MA] AUG 24 2317 - SS talk; poor to fair (starting fade-up). [Connelly*P-MA]
- 792 FRANCE Limoges, SEPT 5 0454 - Clear signal with man in FF doing novelty vocals. Was // to other Net B stations I heard at this time. [Dangerfield-PA]
- 801 JORDAN, Ajlun (t) / SPAIN, RNE1 synchros, AUG 25 0023 - AA vocal mixed with SS teletalk; poor to fair. [Connelly*P-MA]
- 819 EGYPT, Batra, AUG 3 0027 - AA vocal; in jumble. AUG 25 0022 - AA male / female vocal duet; HUGE signal, killing 820. [Connelly*P-MA] SEPT 5 0141 - Strong with what sounded like man doing the Koran. Did seem // to 864 but then the Koran always sounds the same. [Dangerfield-PA]
- 819 MOROCCO, Rabat, AUG 3 0525 - good carrier, but very light audio on AA monologue by man // 207. Transmitter dawn is the best time to hear this, because co-channel Egypt has faded out by then. [Connelly*H-MA]
- 828 SPAIN, OCR, Barcelona, AUG 25 0022 - sounded like bits of operatic SS vocal; in bad slop. [Connelly*P-MA]
- 836 AZORES, RDP, Barossa, AUG 3 0028 - PP talk about workers; very good to excellent. [Connelly*P-MA] AUG 13 0318 - soft music; fair. [Connelly*H-MA] AUG 25 0021 - PP male vocal back on 836 old-plan channel, so frequency correction to 837 was short-lived. [Connelly*P-MA]
- 837 CANARY ISLANDS // SPAIN, AUG 3 0029 - fast-talk SS announcer, (possibly horserace coverage), cheering sounds; good strength, but QRM'ed heavily by stronger Azores-836. [Connelly*P-MA] AUG 13 0318 - two SS male announcers, restricted / tinny audio quality; good strength. [Connelly*H-MA] AUG 25 0021 - man in SS with het from 836. [Connelly*P-MA]
- 837 FRANCE Nancy, SEPT 5 0453 - Atop the frequency and no sign of the COPE station heard earlier. Nancy featured a male vocalist and was // to other B's. [Dangerfield-PA]
- 846 ITALY, Rome, AUG 13 0201 - classical music; fair. [Connelly*H-MA] AUG 25 0020 - heldentenor operatic male vocal; to good peak, but WEEI slop tough at times. [Connelly*P-MA]
- 855 SPAIN, RNE1 synchros, AUG 3 0031 - sports-related SS talk by man; fair over SAH & second audio (likely Romania). WEEI pest nulled. [Connelly*P-MA] AUG 13 0321 - // 684, 774 with Latin-American influenced uptempo male SS vocal, then man in SS; good. [Connelly*H-MA] AUG 24 2315 - SS teletalk; fair. AUG 25 0019 - extremely loud with female operatic vocal, equal to WEEI at times. [Connelly*P-MA] AUG 31 0145 - Man and woman speaking SS, good. [Manning-DE]

- 864 EGYPT, Santah, AUG 3 0032 - AA vocal over Spain; fair. AUG 25 0019 - AA Koranic male vocal at monster level. Spain, with SS vocal, way under. [Connelly*P-MA] SEPT 5 0138 - Strong with Koran and seemed // to 819. [Dangerfield-PA]
- 864 FRANCE Paris, SEPT 5 0452 - Super signal with man doing FF novelty songs. Was // to other B Net stations. At 0434 there had been a huge OC here. [Dangerfield-PA]
- 873 SPAIN, SER, Zaragoza, AUG 3 0033 - fast SS talk by man; over others; some 880 slop. [Connelly*P-MA]
- 873 SPAIN, SER, Zaragoza / unID, AUG 25 0018 - SS man over unID station with female vocal. [Connelly*P-MA]
- 882 UNITED KINGDOM, Washford et al., AUG 3 0034 - EE talk in tough WCBS slop. [Connelly*P-MA]
- 891 ALGERIA, Algiers, AUG 3 0035 - AA flutes, drums, strings, & vocal; local-like at S9+50! AUG 24 2311 - AA male vocal & drums; already good at this time in WBPS null, local-like (killing WBPS) later in the evening. [Connelly*P-MA]
- 909 MOROCCO / UNITED KINGDOM / SPAIN, AUG 25 0016 - a local-strength 3-way battle with AA, EE, & SS programs alternating. [Connelly*P-MA]
- 918 SPAIN, R. Intercontinental, Madrid, AUG 25 0015 - woman in SS; to good peak. [Connelly*P-MA]
- 936 SPAIN, RNE5 synchros, AUG 3 0037 - SS talk by man; over AA-sounding station that was probably Morocco. AUG 25 0015 - dominant with SS teletalk. [Connelly*P-MA] AUG 31 0150 - Woman speaking in SS, poor. [Manning-DE]
- 954 SPAIN, R. Espana, Madrid, AUG 3 0038 - man in SS over music station (Czech, Turk, or Qatar ?) & ripply SAH; loud, hitting S9+35 peak. AUG 25 0014 - SS talk over others; some WPEN-950 slop. [Connelly*P-MA]
- 963 PORTUGAL, R. Renascenca, Seixal, AUG 3 0429 - woman in PP, then religious-sounding vocal; poor in CHNS slop. [Connelly*H-MA]
- 981 ALGERIA, Algiers, AUG 24 2308 - AA chanting, then AA talk by woman; strong, about equal in strength to the 980 (WCAP/CBV/WTRY) domestic cluster. [Connelly*P-MA]
- 999 SPAIN, COPE, Madrid, AUG 3 0039 - loud with SS sports coverage. AUG 24 2307 - fast SS talk fading up over CKBW slop. AUG 25 0013 - HUGE at this time with SS talk by man. [Connelly*P-MA]
- 1008 CANARY ISLANDS // SPAIN, AUG 3 0039 - SS talk in WINS slop. [Connelly*P-MA]
- 1017 GERMANY, Rheinsender, AUG 3 0335 - woman in GG; slightly over Spain, others. [Connelly*H-MA]
- 1017 GERMANY?, AUG 31 0155 - Strong carrier, above S-7 at times, modulation extremely low. [Manning-DE]
- 1026 SPAIN, SER synchros, AUG 3 0040 - HUGE (S9+30 average) with SS teletalk show. AUG 25 0012 - man & woman in SS; just over fast SAH pile. [Connelly*P-MA]
- 1035 ITALY (t), AUG 3 0041 - classical music; poor, in slop. Mystery 1034 het noted at times. [Connelly*P-MA]
- 1035 ITALY Milan & synch, SEPT 5 0401 - Fair with music after which a man and woman spoke in IT. Was // to a stronger 1116. [Dangerfield-PA]
- 1044 SPAIN, SER synchros / MOROCCO, Sebaa-Aioun, AUG 3 0043 - SS teletalk over AA-sounding talk; massive S9+35 level. [Connelly*P-MA]
- 1044 SPAIN, SER synchros, AUG 25 0009 - SS talk with guitar interludes; excellent. [Connelly*P-MA]
- 1044 MOROCCO, Sebaa-Aioun, AUG 24 2250 - woman in FF; fair to good. AUG 24 2305 - fast AA/Berber group vocal & percussion; LOCAL-LIKE! Spain way under. [Connelly*P-MA] AUG 31 0020 - Man speaking in AA, Arabic-type music, very strong. [Manning-DE]
- 1053 UNITED KINGDOM, Talk Radio synchros, AUG 3 0044 - man & woman in EE; fair, but tough WEVD slop. Spain under at times. [Connelly*P-MA] AUG 23 0320 - EE talk by man over music station that was likely Romania (as hints of 1152 were in). [Connelly*Y-MA]
- 1053 MOROCCO, RTM "A", Tanger, AUG 24 2306 - AA vocals // 1044; mixed with Spain & UK. [Connelly*P-MA]
- 1053 SPAIN, COPE synchros / UNITED KINGDOM, Talk Radio, AUG 25 0010 - SS talk & EE talk mixing; both loud. [Connelly*P-MA]
- 1062 DENMARK, Kalundborg, AUG 3 0307 - excellent with R.E.M. song, then old-time blues vocal. [Connelly*H-MA] AUG 23 0301 - news by woman in Danish; good to excellent. [Connelly*Y-MA]
- 1089 UNITED KINGDOM, Talk Radio synchros, AUG 4 0109 - talk about doctors, attorneys; loud, over unID GG (or Slavic ?) sounding station. [Connelly*W-MA] AUG 25 0011 - EE talk mixed with other (Albania or Russia); some WBAL slop. [Connelly*P-MA]

- 1098 SPAIN, RNE5 synchros, AUG 3 0046 - metallic-sounding SS talk & bad growl, just over Slovakia. [Connelly*P-MA]
- 1098 SLOVAKIA, Nitra, AUG 3 0325 - light classical music, then Slavic talk; dominant, strong. [Connelly*H-MA]
- 1098 SPAIN / SLOVAKIA, AUG 25 0011 - SS talk over Slovakia's music; a bit of slop from pest daytimer WHLI-1100. [Connelly*P-MA]
- 1107 SPAIN, RNE5 synchros, AUG 3 0050 - SS talk & music; just over other music station that was probably Egypt. [Connelly*P-MA] AUG 4 0106 - SS talk; loud. [Connelly*W-MA] AUG 23 0227 - soft SS talk; fair. [Connelly*Y-MA] AUG 25 0006 - SS teletalk; excellent. [Connelly*P-MA]
- 1116 ITALY Bari & synch, SEPT 5 0402 - Good with brief music, then a man and woman in IT. Was // to 1035. Radio Two program, I guess. [Dangerfield-PA]
- 1126 unID, AUG 3 0049 - probable off-frequency Spain with SS-sounding talk; hetting other 1125 Spain synchros. [Connelly*P-MA]
- 1134 SPAIN, COPE synchros / CROATIA, Hrvatska Radio, Zadar, AUG 3 0048 - man in SS with futbol match; loud, well over Slavic talk by woman. [Connelly*P-MA]
- 1134 CROATIA, HRT Zadar SEP 2 0215 - Slavic-style rock music, clear reception on strong fade-ins, gone by 0400. [Conti-TN] SEP 7 0103-0505 - Noted off and on with news and local pop music, very strong allowing for wide-band reception. First TA of the new season. [Renfrew-NY]
- 1134 SPAIN, COPE synchros / CROATIA, Hrvatska Radio, Zadar, AUG 25 0004 - fast SS talk by man; huge, way over Croatia's polka music. [Connelly*P-MA]
- 1143 SPAIN, COPE synchros, AUG 4 0105 - woman in SS; over others. [Connelly*W-MA]
- 1152 SPAIN / 2 unID's (ROMANIA / UK ?), AUG 3 0052 - 3-station mess with woman in SS, operatic music, and talk. [Connelly*P-MA]
- 1179 SPAIN // CANARY ISLANDS, SER synchros, AUG 25 0003 - SS news by man & woman. [Connelly*P-MA]
- 1197 UNITED KINGDOM, Virgin Radio synchros, AUG 23 0433 - // 1215 with bits of "Roll to Me" by Del Amitri; poor. [Connelly*Y-MA]
- 1197 SPAIN, El, Vitoria / unID, AUG 25 0002 - SS news by woman; atop dance music that was not // UK-1215. [Connelly*P-MA]
- 1206 unID, AUG 25 0000 - fat open carrier (France ?) over feeble 1 kHz het that was probably from Caymans-1205. [Connelly*P-MA]
- 1206 FRANCE Bordeaux, SEPT 5 0448 - Strong and clear with vocals in FF by a man. // to 864 and other B Net stations. Must sign on 15 minutes before the hour. [Dangerfield-PA]
- 1215 UNITED KINGDOM, Virgin Radio synchros, AUG 3 0054 - "These Dreams" by Heart; loud; way over SS talker. [Connelly*P-MA] AUG 21 0339 - Pop mx by Average White Band and Robert Palmer. SIO 332 [Burnell-NB] AUG 23 0252 - Springsteen vocal, EE talk, then 1980 oldie "Echo Beach" by Martha & the Muffins; to good peak. [Connelly*Y-MA] AUG 24 2359 - rock vocal, then announcer mentioned a "special combination"; Spain QRM then got worse. [Connelly*P-MA]
- 1224 UNITED KINGDOM, Virgin Radio / SPAIN (t), AUG 24 2358 - EE rock vocal // Virgin-1215 mixed with light pop female vocal that may have been SS; tough slop at times. [Connelly*P-MA]
- 1242 unID, AUG 24 2356 - het against WUOK-1240: France or Ukraine most likely. [Connelly*P-MA]
- 1251 LIBYA, Tripoli, AUG 3 0414 - AA male Koranic a cappella vocal; good. [Connelly*H-MA] AUG 23 0230 - AA talk; fair. [Connelly*Y-MA]
- 1269 GERMANY, Neumunster, AUG 4 0100 - GG talk, big het against WTSN (but tough slop). [Connelly*W-MA] AUG 24 2357 - classical music; in tough slop. [Connelly*P-MA]
- 1287 SPAIN, SER synchros / unID's, AUG 24 2355 - SS talk in a graveyard-like jumble. [Connelly*P-MA]
- 1296 SPAIN, COPE, Valencia, AUG 24 2354 - SS teletalk mixed with others. [Connelly*P-MA]
- 1305 SPAIN, RNE5 synchros, AUG 24 2354 - romantic female SS vocal, then SS talk by man; atop persistent low growl. [Connelly*P-MA]
- 1314 NORWAY, NRK Kvitsoy, JUL 24 0213 - Talk by man in NN, folk song, strong, almost equal to 1310 domestics, as usual the first TA of the season. JUL 29 0311 - Good with pop song. [Yocis-NY] AUG 3 0057 - cool '50s-type vibraphone tropically-influenced jazz, Norwegian talk; huge on peaks, beautiful signal in 4 kHz bandwidth position. [Connelly*P-MA] AUG 4 0120 - excited Norwegian talk (sporting event: possibly Olympics coverage); good. [Connelly*W-MA] AUG 4 0315 - strong with oldies fest with back-to-back '60s / '70s hits including ELO's "Showdown". [Connelly*H-MA] AUG 21 0341 - Man in Norwegian. SIO 232 [Burnell-NB] AUG 23 0232 - Eagles' "Hotel California"; loud / local-like at S9+30 and

- 22 above. [Connelly*Y-MA] AUG 24 2353 - folk-rock vocal in the style of Jethro Tull; to good peak, well over Spain SS talk. [Connelly*P-MA]
- 1332 ITALY, RAI R. Uno, Roma et al., AUG 23 0410 - II talk by man, classical music; poor to fair. [Connelly*Y-MA]
- 1341 NORTHERN IRELAND, BBC Radio Ulster, Lisnagarvey, AUG 23 0440 - man in EE; poor, in slop. [Connelly*Y-MA]
- 1349 MAURITANIA, R. Mauritanie, Nouakchott, AUG 24 2225 - AA talk fading up to good strength about an hour before local sunset. [Connelly*P-MA]
- 1359 SPAIN, Arganda, AUG 4 0314 - bits of SS talk; in slop. [Connelly*H-MA]
- 1377 FRANCE Lille, SEPT 5 0455. Fair, not as good as some of the other B Net stations heard at this time. Had FF male vocals. High banders were weaker. [Dangerfield-PA]
- 1395 NETHERLANDS, Lopik, AUG 23 0308 - smooth soul-influenced jazz instrumental; fair to good. [Connelly*Y-MA]
- 1395 ALBANIA Fllake, SEPT 5 0239 - Fair, with man in Albanian. [Dangerfield-PA]
- 1422 GERMANY, Heusweiler, AUG 3 0100 - man said "Deutschlandradio", then time pips, GG news; excellent. AUG 24 2350 - orchestral music; fair. [Connelly*P-MA]
- 1431 unID, probably Ukraine, AUG 23 0234 - killer het, but the cluster of 1430 stations (WNJR / several others) was essentially unnullable. [Connelly*Y-MA]
- 1485 SPAIN, SER synchros, AUG 3 0101 - SS sports, crowd noises // 1575; over carrier jumble. [Connelly*P-MA]
- 1521 SAUDI ARABIA, Duba, AUG 4 0304 - AA male vocal; to good peak, but WWKB slop not fully nullable. [Connelly*H-MA] AUG 23 0304 - male AA Koranic vocal; good. [Connelly*Y-MA]
- 1530 SÃO TOME & PRINCIPE, VOA, Pinheira, AUG 3 0400 - jazz-rock fusion music, then announcer "This is the Voice of America", into EE news; good S9+25 peak, sometimes over WSAI. [Connelly*H-MA]
- 1539 GERMANY, ERF, Mainflingen, AUG 4 0305 - choral music, strong het; tough WDCD slop. [Connelly*H-MA]
- 1544 ALGERIA - CLANDESTINE, Tindouf, AUG 24 2252 - AA group vocal; fair through early (pre-sunset) WDCD skip slop. [Connelly*P-MA]
- 1575 SPAIN, SER synchros, AUG 3 0102 - SS sports // 1485; poor. AUG 24 2348 - fast SS talk // 1584; fair. [Connelly*P-MA]
- 1584 SPAIN or CEUTA (?), AUG 3 0103 - disco music. [Connelly*P-MA]
- 1584 SPAIN, SER synchros, AUG 24 2348 - fast SS talk // 1575; poor, in tough CBJ slop. [Connelly*P-MA]
- 1602 SPAIN, EI, Vitoria, AUG 3 0103 - fast SS talk not // SER outlets. [Connelly*P-MA]
- 1602 unID (probably EI, Vitoria, SPAIN), AUG 24 2346 - mellow modern-jazz vocal interpretation of old song "Sidewalks of New York"; briefly loud, but soon succumbed to WWRL/WUNR slop. It was NOT // SER-1575, 1584. I was hoping for an Ascension Island ID, but turned up with no ID at all. [Connelly*P-MA]
- 1608 unID RTTY, AUG 4 0309 - teletype station looping Europe. [Connelly*H-MA] Shawn Axelrod already has an ID for Mark: The station you had with RTTY is: DHJ59 in Wilhelmshaven, Germany." [Axelrod-MB]
- 1620 NETHERLANDS, PCH, Scheveningen, AUG 3 0103 - "PCH" Morse code; excellent. [Connelly*P-MA]
- 1629 UNID, AUG 16 0323 - Strong het in with KXBT. Who's on 1629? [Kitze-VA] (see next item? - Jim)
- unID expanded-band carriers: 1608, 1628, 1631, 1636.8, 1690. Maybe Dutch pirates in some cases? [Connelly*MA]
- PAN-AMERICAN DX**
- 526 BAHAMAS, ZLS, Stella Maris, AUG 13 0306 - "ZLS" Morse code beacon; good. [Connelly*H-MA]
- 530 TURKS AND CAICOS, RVC, AUG 4 0331 - SS religion; loud. [Connelly*H-MA] AUG 16 0205 - Very loud, S(+20, back on this frequency with SS religion. Very weak CIAO in null. [Kitze-VA] AUG 23 1252 - SS talk in on groundwave, mixed with Mass. Turnpike (Weston, MA) TIS "WPHG709"; just above loop noise floor. [Connelly*Y-MA] RVC South Caicos SEP 2 0310 - Excellent; preaching in Spanish. [Conti-TN]
- 535 GRENADA, GBC, St. George's, JUL 21 0150 - soca dance party; fair. [Connelly*Y-MA]
- 540 MEXICO, Monterrey, XEWA, AUG 3 0555 - slogans "X de México" and "Voz en el Camino"; good, over others. [Connelly*H-MA] AUG 16 0630-0700 - Dominant, S9+, splashing WGR-550, and blowing away WWCS/WDAK/WQTM, with light Mexican and some ranchera music, nice armchair copy, mention "150 watsa de potencia" and "La WA" female IDs during songs, fanfare, etc. No longer gives EE IDs on the quarter hour marks. [Kitze-VA]
- 540 COLOMBIA, HJKA, Bogotá, AUG 23 0447 - "Auténtica" net ID, SS preaching; briefly strong over a pile of others. [Connelly*Y-MA]
- 550 VENEZUELA, Mundial, YVKE, Caracas, AUG 3 0556 - festive SS music, "Esta Mundial" jingle; atop others. [Connelly*H-MA] AUG 23 0450 - jazz-influenced mellow SS vocal, Mundial ID & jingle; loud / dominant. [Connelly*Y-MA]
- 550 CUBA, R. Rebelde synchros, AUG 23 1002 - SS talk, music // 670. [Connelly*Y-MA]
- 555 ST. KITTS & NEVIS, ZIZ, Basseterre, JUL 21 0027 - calypso/soca music, EE talk; fair. JUL 21 0357 - good with reggae version of Joe South oldie "Games People Play". AUG 16 2350 - In many nights hetting WGR/WIND with most loud drum and tone Carib-beat music. [Kitze-VA] AUG 24 0158 - live outdoor broadcast with man & woman announcers, then rhythmic music; good. [Connelly*Y-MA]
- 570 CUBA R.Rej. SEP 2 0300 - Good with usual clock and beeps, Cuba dominant on many other frequencies as well. [Conti-TN]
- 590 CUBA, R. Rebelde, CMHI, Santa Clara, AUG 3 0600 - SS vocal music, Havana mentions // 600, 710; under WBNW. [Connelly*H-MA] AUG 23 0456 - SS male / female discussion // 600; u/ WBNW. [Connelly*Y-MA]
- 600 COLOMBIA, HJHJ, Barranquilla, JUL 21 0152 - excited speech with phrase "para los Colombianos"; over others. [Connelly*Y-MA]
- 600 BRAZIL, probably Porto Alegre, ZYK278 (as logged on other occasions), AUG 3 0558 - PP talk by man, mixed with Colombia; usual Cuban dominant in loop null. I generally log this Brazilian and 740 (Salvador) best at Harwich, whereas most others do better at W. Yarmouth. [Connelly*H-MA]
- 600 CUBA, R. Rebelde, CMKV, Urbano Noris, AUG 3 0600 - old-fashioned SS vocal music, Havana mentions // 590, 710. [Connelly*H-MA] AUG 23 0456 - man & woman in SS // 590; strong, atop HJHJ. [Connelly*Y-MA]
- 600 COLOMBIA, HJHJ, Barranquilla, AUG 23 0458 - R. Libertad mention, slogan "en Colombia, en el mundo"; briefly over Cuba. [Connelly*Y-MA]
- 600 VENEZUELA, most likely previously-logged R. Sucre, YVQB, Cumana (although YVSW also possible), AUG 24 0204 - several Venezuela and Maracaibo mentions; just over mess. [Connelly*Y-MA]
- 620 CUBA, R. Rebelde, Colon et al., AUG 24 0743 - // 600 with slow romantic '40s-style SS vocal; slightly over domestics. [Connelly*Y-MA]
- 630 PUERTO RICO, WSKN, San Juan, JUL 21 0029 - SS fast-talk Puerto Rican sports report, over WPRO/CFCY. [Connelly*Y-MA] AUG 24 0800 - SS newstalk, Super Cadena ID; over/under WPRO/CFCY. [Connelly*Y-MA]
- 640 CUBA, Guanabacoa/Las Tunas, JUL 21 0237 - "servicio musical de R. Progreso"; over mess. AUG 23 1000 - rooster crow, then revolutionary SS talk // 660, 740; good. [Connelly*Y-MA]
- 640 GUADELOUPE, RFO, Pointe-a-Pitre, AUG 3 0216 - FF talk about China; dominant. [Connelly*H-MA] AUG 23 0505 - slightly-reverberated FF talk / teletalk; good. [Connelly*Y-MA]
- 640 VENEZUELA, YVQO, Puerto La Cruz, AUG 3 0612 - ID sounded like "Union Radio de Caracas". [Connelly*H-MA]
- 650 COLOMBIA Antena Dos, Bogotá, AUG 12 0350 - good with Colombian accordian stuff, male DJ with ID. [Krueger-FL] JUL 21 0030 - RCN mention, SS newstalk; good. [Connelly*Y-MA] AUG 3 0604 - tropical music, Antena Dos ID; good, alone on channel. [Connelly*H-MA] AUG 9 0105 - Mostly on top of WSM with "las noticias", music, and "RCN Antena Dos". This station is in many nights probably hampering WSM listeners. [Kitze-VA] AUG 23 0510 - rustic SS group vocal with folk guitar, slogan "Antena Dos, Musica Alegre", then uptempo vocal; huge with no trace of WSM. [Connelly*Y-MA]
- 650.85 CUBA UNID, AUG 1 1100-1800+ - Crawford's 650.84 noted throughout the day here, definitely looping central-ish Cuba, but never any audio. Just a rapidly warbling carrier making it, unsure if Sandino or something else. [Krueger-FL]
- 650.9a CUBA, unID site, AUG 3 0612 - apparently the same station noted by Crawford & Krueger in FL is making it up the coast to here. Bits of audio, but mostly just a het against powerhouse HJKH. [Connelly*H-MA]
- 660 CUBA, AUG 23 0511 - Reloj program just a bit behind WFAN. AUG 23 1000 - Progreso program // 640, 740; good. [Connelly*Y-MA]
- 670 VENEZUELA, R. Rumbos, YVLL, Caracas, JUL 21 0245 - hot merengue music, talk "en R. Rumbo, La Emisor de Venezuela", timecheck; way atop WMAQ/Cuba/others. AUG 24 0206 - advert for something "en Caracas"; slightly over jumble of others. [Connelly*Y-MA]

- 670 CUBA, R. Rebelde, CMQ, Arroyo Arenas, JUL 21 0249 - SS Cuban political talk // 710; mixed with YVLL/WMAQ. [Connelly*Y-MA] AUG 3 0606 - Cuban dance music // 600; good, over WMAQ/others. [Connelly*H-MA] AUG 23 0515 - // 710 with fast old-style Cuban dance music, female vocal; excellent. AUG 23 1002 - SS talk, music // 550. AUG 24 0750-0805 - solidly dominating the channel during this "wee hours" check for Bruce Conti's unID. SS news at 0800 (// 600 kHz) had lead item about Mother Teresa's failing health. Domestics (likely WMAQ with EE news and CKXB with C&W music) and another SS talk station were way under. [Connelly*Y-MA]
- 676 unID, AUG 13 0258 - bits of music on "oddball" frequency; hotted by 675 TA's and slopped by WRKO-680. [Connelly*H-MA]
- 678.14 unID, AUG 23 0350 - het, possibly same station as the 676 log of AUG 13. [Connelly*Y-MA]
- 690 ANGUILLA, Caribbean Beacon, The Valley, JUL 21 0128 - US EE preacher; good over CBF, Cuba growl, & apparent Brazil. [Connelly*Y-MA] JUL 29 0427 - Dr. Gene Scott program, phone numbers to call, fair in CBF null. [Yocis-NY] AUG 23 0521 - preacher; fair with others in CBF null. [Connelly*Y-MA]
- 690 ECUADOR, HCJB Quito, SEP 1 0521 - Heard with CW during its monthly DX test. First time I have ever heard an Ecuador station on MW! Rich McVicar has confirmed my HCJB reception report via e-mail. Boy, it's hard to get used to this idea of e-mail reception reports! Verification in hours-- whatever happened to the good old days when you sweated for months, waiting for a response? [Dvorak-WI] (You'll get that good old sweaty card in a few weeks with an additional special gift via the regular mail! - Jim)
- 700 COLOMBIA, CARACOL, HJCY, Cali, JUL 21 0229 - CARACOL ID; in mess of others with WLW phased. AUG 24 0207 - SS operatic vocal // 810; slightly over others. [Connelly*Y-MA]
- 705 ST. VINCENT & THE GRENADINES, Kingstown, AUG 4 0323 - soca music; poor to fair. [Connelly*H-MA]
- 710 CUBA, Rebelde synchronos, JUL 21 0249 - SS political talk // CMQ-670; good with WOR phased. [Connelly*Y-MA] AUG 3 0600 - SS vocal music, Havana mentions // 590, 670; under WOR. [Connelly*H-MA] AUG 23 0515 - // 670 with fast old-style Cuban dance music, female vocal; under WOR. [Connelly*Y-MA]
- 720 VENEZUELA, YVQE, Porlamar, JUL 21 0227 - ID "en Radio Oriente", excited shouting popped up over CHTN. [Connelly*Y-MA]
- 722 UNID Latin American, AUG 12 0404 - carrier-only making it. [Krueger-FL]
- 730 MEXICO XEX, Mexico City, AUG 3 0649 - Pop music, man and woman talking and laughing in SS, many mentions of "X," fair in partial CKAC null. [Yocis- NY] AUG 11 0750-0802 - In the clear, with easy music, then "La Equis de México ... la frecuencia libre", followed by taped history program, "la historia de la ciudad". [Kitze-VA]
- 740 CUBA, Progreso synchronos, JUL 21 0954 - outlets running the R. Reloj service at this time. Dominant signal on channel until daytimer WJIB signed on. AUG 23 1000 - rooster crow, then revolutionary SS talk // 640, 660; good. [Connelly*Y-MA]
- 748.7 unID, maybe Cuba (or Nicaragua ?), AUG 23 0341 - SS man mentioned Cuba, Nicaragua, and "anti-imperialistas"; in "het sandwich" with Netherlands-747 and YVKS/CBGY-750. [Connelly*Y-MA]
- 750 VENEZUELA, YVKS, Caracas, JUL 21 0037 - SS talk about women's issues, interview with EE-speaking man with translation into SS, RCR mentioned. [Connelly*Y-MA]
- 760 COLOMBIA, HJAJ, Barranquilla, JUL 21 0126 - callsign "H-J-A-J" ID in SS, RCN net ID; good over pile-up of others. JUL 21 0959 - RCN still fair at this late time. AUG 23 0956 - SS talk, RCN mentions; atop jumble. [Connelly*Y-MA]
- 770 COLOMBIA, HJXX, Bogotá, JUL 21 0403 - RCN ID just behind WABC. [Connelly*Y-MA] Pretty much eliminating WABC's Curtis Sliwa with SS programs, and "Radio Cadena Nacional" IDs. [Kitze-VA]
- 780 BRITISH VIRGIN ISLANDS, ZBVI, Roadtown, Tortola, JUL 21 0040 - reggae music; good, over CFDR. [Connelly*Y-MA] AUG 4 0116 - remote live Carib-EE broadcast from a local shopping area; fair to good with CFDR nulled. [Connelly*W-MA]
- 790 CUBA, R. Reloj, CMQ, Pinar del Rio, AUG 24 0807 - Reloj news and time show with "boxy" telephone-like audio; atop channel. [Connelly*Y-MA]

- 790 UNID, SEP 2 0238 - Not sure if Mexican or domestic. Man mentioned FM 105.9 along with garbled slogan. [Hall-CA1]
- 800 NETHERLANDS ANTILLES, PJB, Bonaire, JUL 21 0100 - SS hymns, Transmundial ID, initially mixing with CJAD, then way atop. [Connelly*Y-MA] AUG 16 0300 - Near local strength, wiping out CKLW with religion, in many nights. [Kitze-VA]
- 810 COLOMBIA, CARACOL, HJCY, Bogotá, JUL 21 0105 - SS news with item about Luxembourg, CARACOL ID // 5075; mixed with WGY. AUG 23 0952 - CARACOL ID, Cali news item; peaking over WGY. [Connelly*Y-MA] AUG 16 0200 - Strong, with loud CARACOL IDs and talk, making it hard to listen to WGY. [Kitze-VA]
- 830 ST. KITTS & NEVIS, TBN, Basseterre, JUL 21 0108 - // 7510 with EE female religious folk vocal, crowd applause, then preacher; mixed with WCRN. [Connelly*Y-MA]
- 860 VENEZUELA, Mundial 860, YVOL, San Cristobal, AUG 24 0812 - sign-on with what may have been the longest-ever version of the Venezuelan National Anthem, then Mundial and 860 SS ID's finally came at 0815 UTC. Atop Cuban Reloj and a pile of others; CJBC nulled. [Connelly*Y-MA]
- 869.8 UNID Latin American, AUG 12 0420 - fragments of music, at first thought Progreso off-frequency. However, // 900, 890, 880 Progreso to an eventually fading-up 870.0 Progreso outlet. Maybe the lower power (second) Progreso listed, or one of the Musical Nacional outlets? [Krueger-FL] (probably the only way to log two Cuban stations on the same frequency - when one is off-frequency! - Jim)
- 880 VENEZUELA YVYM Puerto Ordaz, AUG 11 0700-0800 - In loud over two other SS unIDs with "Onda Mundial" IDs during an amazingly rare WCBS silent period. Still audible in null when WCBS signed on. [Kitze-VA]
- 890 CUBA R Progreso (site?), AUG 12 0416 - powerhouse, unlisted, // 900, 880, 870. [Krueger-FL]
- 895 ST. KITTS & NEVIS, VON, Charlestown, JUL 21 0115 - fast soca male vocal with tune similar to Bob Marley's "No Woman No Cry" (maybe influenced by recent Fugees version); good. [Connelly*Y-MA]
- 900 MEXICO XEW Mexico DF, AUG 4 0257 - In strong at this early hour with Olympic Futbol reports, and quick "LV de la América Latina" ID. Some QRM from WKDW (100 miles away), who seems to be staying on with 5 kW instead of powering down. [Kitze-VA]
- 930 MEXICO XEU, AUG 9 1048 - quick male ID as "La U de Veracruz" in passing, into ranchera music, good over domestics during peak. [Crawford-Oak Hill FL]
- 940 CUBA, R. Reloj, Holguin/Colón, AUG 23 1011 - Reloj program mixed with CBM, others. [Connelly*Y-MA]
- 1000 COLOMBIA, RCN, HJAJ, Cartagena, JUL 21 0052 - RCN ID in multi-station jumble. [Connelly*Y-MA] AUG 16 0600 - In with RCN musical IDs, over/under WMVP. [Kitze-VA]
- 1000 MEXICO XEOY R. Mil, Mexico DF, AUG 16 0300 - In often over WMVP with R. Mil IDs, music and SS talk pertaining to Mexico City. [Kitze-VA]
- 1020 VENEZUELA, Mundial Margarita, YVRS, La Asuncion, JUL 21 0054 - "Mundial Margarita" ID, fast SS talk, promotion for Sunday music programs; loud / alone on channel. Turks & Caicos off? [Connelly*Y-MA] AUG 3 0332 - festive dance music vocal, Mundial Margarita ID, over KDKA; no trace of "CCR". [Connelly*H-MA]
- 1020 TURKS & CAICOS CCR, AUG 16 0100 - With Super Power Caribbean Christian Radio ID. Back here now and under KDKA. [Kitze-VA]
- 1035 UNID, AUG 12 0427-0430* - frequency approximate, huge FMing blob here. Checked local WMTX on 1040, which appeared clean (and no slop above 1040), suddenly off 0430 (and WMTX continued). [Krueger-FL] (a curious frequency to find something - Jim)
- 1050 MEXICO XEG Monterrey NL, AUG 11 0736 - S(+ over WCMS/WEVD/CHUM/XEQOO with ranchera music and "La Ranchera de Monterrey", timecheck. Also heard another form of ID which sounded like "El Gigante de Monterrey con mil wats de potencia". I thought this one was 150 kW. My favorite XE to listen to in the early mornings. [Kitze-VA]
- 1050 MEXICO XEQOO R. Pirata, Cancún QR, AUG 4 0404 - Weak in XEG/WEVD/WCMS null. Still here, but no longer so strong. The format seems to have changed to older Mexican music and hardly any rock or new wave at night (may be a seasonal thing - Jim). This used to be my loudest and easiest XE at this location, power reduction? [Kitze-VA]
- 1090 CUBA R Reloj, (site?), AUG 1 1138-1140 - briefly surfaced with usual "RR"s, man with ID and news atop local daytime dominant Radio Guama. No WRTH-96 (yawn) listing. [Krueger-FL]
- 1110 VENEZUELA, R. Carupano, YVQT, Carupano, AUG 24 0310 - old-fashioned SS folk vocal & guitar, frequent refrain repetitions, then talk with Venezuela & Carupano mentions, then more old-style SS folk balladry; strong, over WBT at times. [Connelly*Y-MA]
- 1130.3 UNID, AUG 12 0434 - weird, rapidly-warbling and pulsing transmitter under all the others on 1130. [Krueger-FL]

NRC Letter Opener

\$1.75 each! Sturdy yellow plastic ... opens letters, cuts string, package wrapping, and more! Order from NRC Publications - NY orders, please add sales tax.



- 1170 MEXICO XEIB Caborca, AUG 18 0615 - Fair, mixing with KVOO in partial null of local KCBQ. Lots of local ads. [Hall-CA]
- 1180 CUBA, R. Tafno, Villa Maria, AUG 3 0422 - much SS talk about Havana; dominant over Latin American mess & bits of WHAM. [Connelly*H-MA]
- 1280 BERMUDA, VSB2, Hamilton, JUL 22 0551 - Bible Broadcasting Network program and ID, good over WADO, WHTK, WYVE. [Yocis-NY]
- 1280 MEXICO UNID, AUG 1 *1100-1145 - Burned the 7-10am (1100-1400 GMT) portion of my life on 1280 today. Chronology was rather interesting: *1100 tune-in to clear, rather strong XE NA, uncopyable ID by man, into rancheras format. No 1280 XE listed with an *1100 s/on in the WRTH-96, but then we all know how useless they are on accurately portraying real-life Latin American MW. Mixing with another definite XE, mentioning "Monterrey" often (possibly XEAW, listed 24 hrs). Also heard ments of Guadalajara, but unsure which station was referencing said at this point. By around 1140, WODT, New Orleans joined in, with EE news and traffic, multi-ID's. About the same time, semi-local WTMY, Sarasota surfaced ("Health & Talk Radio" slogan, with mostly paid- for investment hawkers--note: "M Street Radio Directory 1996" lists this as Business/Talk/Spanish--well, not SS daytime, at least. They also apparently alternate news feeds ToH, with NBC noted at 1200, USA Radio News 1300, NBC 1400, etc.). Also, by about 1140, WIPC, Lake Wales began to rear its exceptionally ugly head with ranchera format, lots of Lake Wales/Lakeland area mercado, auto insurance etc. ads, SS woman DJ after 1200. Signal on latter really lousy throughout, through. This one could very easily be confused with a real XE on sunrise. Anyway, who's the definite XE I heard s/on at 1100? [Krueger-FL]
- 1375 ST. PIERRE ET MIQUELON RFO, AUG 16 0310 - Het is here many nights, though tonight, however, there was some FF audio in with the domestic adjacents. Wish I had a narrower IF in my radio. [Kitze-VA] (try working with // 640 or 5055 - Jim)
- 1500 MEXICO XEAI, Mexico, AUG 12 0441 - blowing in with program of Cuban son and merengue, male DJ with brief description of song styles, "Radio Aah-Eee" ID. [Krueger-FL]
- 1505 ANGUILLA, The Valley, AUG 3 0407 - bits of EE political speech; in WNRB slop. [Connelly*H-MA]
- 1540 CUBA UNID, AUG 12 0400-0401* - caught tail end of sign-off, man saying "patria o muerte, venceremos" into short version choral NA, off, leaving ZNS alone. Will try to check tonight to see which this is. [Krueger-FL]
- 1580 FLORIDA WFV? Ft. Lauderdale, AUG 8 0000 - ID as such mentioning 102.5 also, valley girl cart & rock music. Ex-WSRF? Fair level. But, noted more usual French programming on AUG 9 at 1050. What goes on? (Crawford - Oak Hill FL)
- 1610 ANGUILLA, Caribbean Beacon, The Valley, AUG 3 0104 -EE preaching mixed with TIS stations. [Connelly*P-MA]

TRANS-PACIFIC DX

- 153 RUSSIA, Komsoloslak, Far East, AUG 31 1229 - Vocal music with an Arabic sound; fair signal with QRM from GWEN. [Woods-OR]
- 243 RUSSIA, Razzdolnoye, FE, AUG 31, 1231 - Fair // 153. [Woods-OR]
- 279 RUSSIA, Yuzhno-Sakhalinsk, FE, AUG 30, 1209. Poor signal with speech in RR. [Woods-OR]
- 693 JAPAN, JOAB Tokyo, AUG 31 1328 - Fair to good with EE lesson; sample sentence; "I'm sorry I got sick on the helicopter" [Woods-OR]
- 774 JAPAN, JOUB Akita Aug 30 1051 - Foreign language lesson, believed PP. Fair signal. [Woods-OR]
- 850 HAWAII, KHLO Hilo, AUG 31 1300 - Fair with ID; into news. [Woods-OR]
- 1566 SOUTH KOREA, HLAZ Cheju Aug 31, 1325 - Fair with man speaking Asian language. [Woods-OR]

STATION NEWS

- ARGENTINA: Authorization given for three stations in extended band (10 kW max power): 1620 R. Universidad de Buenos Aires (5 kW), 1650 R. Municipal (5 kW), 1680 Universidad Tecnologica de Avalleneda (1 kW). [Nestor Rubio in ARC JUL 27] (doesn't mean they are on the air - Jim)
- CEUTA: The SER network only keeps this 1584 station "R. Ole Costa del Estrecho" (an FM relay) to avoid losing the MW license for this area. In order to QSL the station, they have an address in Ceuta for administrative purposes, but DXers should address letters to Radio Algeciras 1260, the station that maintains 1584. Regarding the drifting of the station, this is a normal situation with several MW stations in Spain. When there is a problem with 1584 they have to take a ferry across the Strait of Gibraltar, and sometimes they don't bother taking the trip,

- leaving the signal on 1585. [summarized from a detailed report by Jorge Garzon, Medi Grupo DX]
- GERMANY: Deutschlandradio 207 has not been heard for some time. When Kyyiv is off Morocco is heard. [Olle Alm in ARC JUL 27]
- HAITI: 860 4VMK Les Cayes, 1100-0100; 1280 4VAM R. Metropole, Port-au-Prince, slogans "La Dynamisme", "La plus forte ecoute", "Metropole c'est ca". [direct, in ARC JUL 27]
- MEXICO: Station slogans: DF Mexico XEPH-590 Sabrosita; DF Mexico XEX-730 La X de Mexico; DF Mexico XEUN-860 Radio UNAM; DF Mexico XEW-900 La Voz de America Latina; DF Mexico XEQ-940 Q 940 AM; DF Mexico XEOY-1000 Radio Mil; DF Mexico XEQR-1030 Radio Centro; DF Mexico XERED-1110 Radio Red; DF Mexico XEJP- 1150 Radio Variedades; DF Mexico XECMQ-1320 Formato 21; DF Mexico XEBS-1410 Radio Sinfonola; DF Mexico XEFAJ-1560 Radio Consentida; JA Guadalajara XEZZ- 760 Radio Gallito; JA Guadalajara XEWK-1190 W Guadalajara; NL Monterrey XEG- 1050 La Ranchera de Monterrey; NL Monterrey XECT-1190 Nucleo Deportes; NL Monterrey XEQI-1510 Radio Nuevo Leon (relay FM?); PU Puebla XEEG-1280 La Tribuna. [WWW via Doug Smith-TN]
- NORTHERN IRELAND: Radio 1521 - Power? Has the N Ireland station Radio 1521 upped its power or done something with its antenna? Recently reception in SE England has improved considerably; at night it now dominates the 1521 kHz frequency. [Steve Whitt, Medium Wave Circle Web Page]
- PARAGUAY: 720 R. Pa'i Puki is a new station broadcasting on an experimental basis since APR 28 at 0100. The station has two transmitters, 15 kW each, and it transmits with a power of 25 kW. The station broadcasts from a site called 25 Leguas in Chaco, about 350 km from Asuncion. Station is operated by the Catholic church. [LI via FK in MWC in ARC JUL 27] 650 R. Uno inaugurated JUN 1, 09-04 MF, 09-03 Sa, 0930-03 Su, but noted on the air at 0830 with continuous music. [Tetsuya Hirahara in Asuncion in ARC JUL 27]
- SWITZERLAND: Two mediumwave frequencies formerly used by public broadcasters in Switzerland have been franchised to commercial radio stations, being: 531 Musikwelle 531 - This programme is due to start on 1 October with a format of 'volkstuemlicher musik', traditional popmusic in the German language. 1566 Radio Eviva/Evangeliumsrundfunk - This frequency is going to be shared between these two stations. Eviva's format is also 'volkstuemlicher musik' I think, and Evangeliumsrundfunk broadcasts programmes with a religious orientation. [Stienstra via SatelliText on 3SAT Medium Wave Circle Web Page, SEP 6]

CONTRIBUTORS @ = via e-mail

- @Jean Burnell, DXing from Fredericton NB; unmodified Sony 2010, internal antenna [jburnell@plato.ucs.ca]
- @Mark Connelly, DXing from East Harwich MA [*H], Plymouth MA [*P], Wellfleet, MA <Marconi site> [*W], West Yarmouth MA [*Y]; Drake R8A, RL-1 Remotely-Tuned Loop, RW-1 Active Whip, 25 m sloper, DCP-2 Dual Controller / Phaser, Mini-MWT- 3 regenerative tuner [MarkWA1ION@aol.com]
- @Bruce Conti, NRC Convention, Knoxville, TN; Lowe HF-225 Europa, MWDX-5, two 15-m longwires.
- @David E. Crawford, Gainesville FL; [decrawf@nervm.nerdc.ufl.edu]
- @Ben Dangerfield, Wallingford PA; Drake R8A, 2 slopers, DL2 phaser, KIWA loop.
- Marc DeLorenzo, Auburndale MA, JRC NRD-525, Quantum Loop.
- @Bill Dvorak, Madison WI; GE Superadio III, built-in antenna.
- @Tim Hall, Chula Vista CA; ICF-2010, KIWA Loop; also DXing 1 mile from home with ICF-2010, 1650' terminated beverage aimed East.
- Jeff Kitze, Boynton VA; GE Super II.
- @Terry L. Krueger, Clearwater FL; NRD-535, HQ-180A, GE SuperImage III
- Michael Manning, Wilmington DE; HF-1000, SE-3 synch. det., RF system, DX one professional antenna.
- @Jim Renfrew, Rochester NY; R-8, Radio West Loop. [JimRenfrew@Delphi.com]
- @Jack Woods, Waldport OR; Lowe HF-225 Europa, ALN-1 outdoor untuned loop.
- @David Yocis, South Nyack NY; R71A, Kiwa loop [73564.203@compuserve.com]

MARK CONNELLY (excerpt of response to Bruce Conti's report):

It's interesting to see Mauritania-1349 back. No one reported it for several months and, knowing the lack of technical expertise on their end (with the continued old-plan occupancy as Exhibit A), it's quite likely that they were off, running low power, or using an antenna with the radiation efficiency of a wet piece of spaghetti. I had Steve Whitt in the UK look for it in July and he also came up dry at that time. It's good that this useful propagation 'beacon' is back on to help us

evaluate sunset / pre-sunset conditions.

Azores going back to 837 is another useful news tidbit, inasmuch as it had been on 836 for much of the spring and early summer.

I have little doubt that 760 is Fortaleza, based upon definite ID's heard during several DXpeditions / mini-DXpeditions in NF and MA (and Neil's Maine logs from the '80s). 750 is probably more speculative, with both Brasilia and Belo Horizonte having been heard during Newfie-4. Hearing either of these past "blowtorch" YVKS is an accomplishment. The transmitter dawn enhancement boost can make the difference - just as sunset greyline can give the Natal/Fortaleza/Joao Pessoa area Brazilians a brief edge over the YV's, as heard from Cape Cod, Cape Ann, and the Maine/NH coastal areas. 1116 tones are probably UK or Italy. Morocco is also possible, I suppose.

There are Venezuelan, Ecuadorian, and Cuban DXers on Jim Renfrew's IDXD distribution list: maybe one can solve the East Indian music 670 unID. Then there are the guys in Florida. What we need is somebody positioned at the eastern end of the Caribbean and someone on the north coast of Brazil to snag some of the stuff we get in the Northeast (but which is blocked in major metropolitan areas farther west in Latin America). Maybe Jean Burnell can take a stab at this, if he can null out CKXB Musgravetown. I'm so seldom awake at the posted 0840-0905 UTC reception time that my best bet would be to load a 6-hour tape into the VCR and set a connected receiver to 670 just before going to bed. Of course, this would have to be done from somewhere other than home (since WRKO-680, on a direct line with South America, totally trashes 650 - 710 here).

The 1040 Puerto Rican is a superb catch and it further reinforces my statement that 1040 is a "Latin American DX candy store", perhaps even better than 640, 760, 840, 860, and other proven "happy hunting grounds". At the home base, there's too much 1030 slop (on the southeast bearing) to make 1040 usable for much more than WHO, but it's definitely a wide-open DX "buffet bar" from the Cape and other coastal sites outside the WBZ splash zone.

You'll have to do an autumn / early winter Camden, ME outing with antennas (... preferably Beverages) set up and ready to go a couple of hours before sunset so you can get those first murmurs of TA activity coming over the horizon. In December, from Harwich, I had the Saudi-1521 het at 1 PM local once (1800 UTC) and audio by 1:30 PM EST. Some stations with limited schedules (e.g. Vatican-1611) can only be heard pre-sunset. You could do a 2 PM to 6 AM DX overnighter and then "crash" till afternoon brings DX again (a la Cappahayden). With the right conditions, many pages of loggings would result. Most interesting would be an auroral run with Nigerians and the like, but a good high latitude opening with Oman, India, etc. would be nothing to sneeze at either.

MARK CONNELLY (Cape Cod initial summary):

Some DX highlights of last weekend's Cape Cod trip include a tantalizing tentative - Jordan-801 (Arabic music mixed with Spain) - and a "gaggle" of more common European and North Africans. The best TA run was at an on-the-way-home stop (Saturday, 24 AUG) at the Robbins Road site near a beach in Plymouth. Mauritania-1349 was already kicking in a big signal at 2225 UTC (6:25 PM local, well before sundown) and, while the sun was still bright, Morocco-1044 and the Algerian clandestine on 1544 boomed forth. Egypt (most likely) blasted in with Arabic music over Spain-774 for a brief spell (2318 UTC); cruncher signals from the Egyptian juggernauts on 864 and 819 soon followed. After about 2330 UTC, the floodgates were open and the dial was full of TA's, especially from throughout the Mediterranean zone from Portugal all the way to Egypt. Morocco-612 (almost pinning the S-meter at 2332 UTC) totally nuked WGIR-610. Incidentally, Azores (recently noted by Bruce Conti as being on 837) has gone back to 836 and is easily splittable from the Spain // Canaries stations. Aside from the wild TA run from Plymouth, I got a number of Latin Americans from West Yarmouth (a site that works better than Plymouth to that area). Friday night's session was good, although there was nothing rare like the long-haul deep South Americans of June, but a few less- commonly reported stations were noted. Venezuela was well represented with Carupano-1110 blowing out WBT at times, likely YV briefly atop 600, good 860 sign-on, etc. The Colombian "Autentica" on 540 blasted in for a while, with suspected YV, HI, XE, Florida, and Newfie bubbling under. Cuba (or Nicaragua?) in with revolutionary chatter in Spanish on the "weird" frequency of 748.7 (buffeted by Holland-747 on one side and YVKS/CBGY-750 on the other). Some other "strangeness", maybe Cubano, showed up in the 676 to 678.2 range at various times. I did check out 670 from 0750 to 0805 UTC to see if I could find Hindi music (as Bruce Conti heard from Maine), but there was just a killer signal from Cuba, with bits of WMAQ and (probable) NF C&W music way underneath. The south-facing West Yarmouth site, although vastly inferior to Plymouth for TA's, still gave good Holland-1395, local-like Norway-1314, possible Ukraine-1431, Italy-1332, and a number of other strong Europeans.

MARK CONNELLY (DX Travelogue: Marconi Beach - Wellfleet, MA)

I came across a great QTH on the Outer Cape (and one with DX tradition at that): the Marconi Beach & Historical Site in Wellfleet. This is part of the sprawling Cape Cod National Seashore. The

entrance is right off Route 6. You can park until midnight and the amount of land out there is unbelievable. Much of it is easily walked with substantial open terrain intermingled with a typical sand-dune cover of shrubs and salt-spray-stunted pitch pines and cedars. There's a big water-tower along the Marconi site access road: an Afro-sloper off the top of that tank would be awesome. I was out there Saturday night (3 AUG local) and only noted a few other cars coming through. The VERY dense fog probably kept the crowds down. DX was good, but I only stayed about 20 minutes because everything was the same stuff I'd heard in Plymouth the previous night just after sunset. I got out to Wellfleet about an hour after sunset and the domestic QRM was tough by then. The place could howl for Africa / eastern-tip Brazil around sunset, especially if you string out a couple of Beverages and if there's some domestic-skip (/Euro-pest) inhibiting aurora.

TIM HALL:

The full log report will be sent out by the beginning of September. It will include a handful of other stations heard about 2 weeks earlier. Just thought I'd throw out some wire before the rest of this area gets developed. This was a nice gradual slope with a valley in the distance. Expected better results, as my preliminary tests indicated I was aiming away from both Northern (SD/LA/SF) and Southern (Tijuana/Rosarito) pests. New QTH is not too bad. Generally a bit quieter than my old location.

PAUL ORMANDY (logs from Down Under):

780 0642 USA WBBM Chicago IL, "WBBM news-time 1:42: then article on State auto-workers. Ormandy 18/8

840 0735 USA KVEG Las Vegas, gd sig w/promo for Barcelona Hotel & Runway 21. Ormandy 18/8

860 0603 CANADA CJBC Toronto ON, FA w/nx in FF then into classical mx. Ormandy 18/8
900 0520 COLOMBIA HJJEY La Voz de Cali, Cali, up briefly w/Todelar net ids. Mostly spoken prog. Ormandy 18/8

1010 0720 MEXICO XEHL Guadalajara, ids as "La Poderosa" gd sig w/SS version of "Loch Lomond" as theme tune, canned id & more pops. Ormandy 18/8

1120 0707 USA KMOX St Louis MO, giving Internet home page for visitors bureau then Lotto numbers. Ormandy 18/8

1140 0704 USA KXNO N Las Vegas, NV, fr u/KHTK but audible w/cinema news for Las Vegas. Ormandy 18/8

1170 0508 COLOMBIA CARACOL Cartagena, fr sig w/net nx way o/NZer. Ormandy 18/8
1320 0637 USA KDIA Oakland CA, w/contest giveaways on "San Francisco's American Soul". Ormandy 18/8

1350 0634 MEXICO XEQK La Hora Exacta, Mixico C, usual reg ids & time pips every minute, all nx format. Ormandy 18/8
1410 0724 USA CFUN Vancouver BC, w/prog "People helping People" on "C-Fun, talk radio with attitude". Ormandy 18/8

1470 0627 PERU Antena Uno, Lima, still id'ing as this but mentioned Cadena Peruana de Noticias in promo. Was playing salsa mx. Ormandy 18/8

1611 1745 VATICAN Vatican R, pr-fr sig w/relig prog in GG, in the clear. Ormandy 20/8 (apparently signs off earlier, making NA reception difficult - Jim)

MORE BUZZING WITH BEN

Reception of TAs has been getting better, as one would expect for this time of year, and up through last night most of the good signals have been from such as RNE-585, 684 and 855; UK-1089, Croatia-1134, and Norway-1314. Lots of others, too, but at lesser degrees of strength. But last night [Sept. 4/5] France, Italy and others made an appearance. Fortunately my buzz, which had stayed on for hours the two previous nights, suddenly went off early in the evening. I am back to square one on that problem. When my vacationing neighbor returned in mid July she very kindly switched on and off all the equipment in her house and nothing beyond the previously disengaged rear floodlight timers and sensors was found to be the culprit. So back to the power lines and the electric company. My DL2 phaser helps considerably and I am working with Mark and Al on ground systems. I also plan to put up a third sloper, but in an opposite direction. [Dangerfield-PA]

How to place mail orders:

Write to NRC Publications - P. O. Box 164 - Mammsville, NY 13661-0164. Enclose check or money order; NY residents, please add state and local taxes. Please allow 3-6 weeks for shipping.

It may not be perfect ...

but the NRC AM Log is, simply, the best there is because of your contributions. Why not make the next edition even better? Send all corrections and changes to

Wayne Heinen - 4131 S. Andes Way - Aurora, CO 80013-3831, or nrclg@filebank.com. Thanks!

The AOR AR7030: A Bold New Receiver from Britain

by Guy Atkins

Every now and then a new receiver design comes along which breaks the mold of conventionality and causes a flurry of discussion among radio hobbyists. Such was the case with the Drake R-7/R-7A of the late 1970s, the ICOM R-70 in the early 1980s, and the Watkins-Johnson HF-1000 at the beginning of this decade. A case could be made for other receivers, but these three caused a stir in the areas of performance, features, and price point.

Now in 1996 the British have come up with their own notable – and controversial – communications receiver. How well does it perform for the mediumwave and tropical bands DXer? This article will present an overview of performance and features, and a "hands-on" report.

Behind the Scenes

Talented designer John Thorpe is the individual responsible for the AOR AR7030. He became known to hobbyists as the man behind the "HF" series of receivers for the UK's Lowe Electronics, including the highly-regarded HF-225 Europa. Many had expected Lowe Electronics to continue the progression, but the HF-350 was never produced (remember the mysterious "Project N"?). Thorpe and Lowe Electronics parted ways in a not-so-amicable fashion, with Lowe going on to produce the traditional—and "comfortable"—HF-250. Thorpe took the road less-traveled by joining forces as an independent designer with the AOR Corp. and creating the unconventional AR7030. This receiver is manufactured at AOR's new UK facility in Belper, Derbyshire.



Well-balanced performance, sturdy construction, and minimalist controls are qualities that have marked John Thorpe's previous receiver designs. These characteristics are present in the AR7030 as well but there are unusual features sprinkled liberally throughout. Among these are auto-tuning synchronous detection, onboard filter calibration and measurement, automatic RF attenuation for extremely strong signals, and a comprehensive alphanumeric display of virtually all receiver parameters. Despite the automatic features available, the AR7030 is highly flexible. The operator can disable them if desired and be in full manual control. An infrared remote is supplied with the receiver, providing control over all commonly used functions.

A Controversial Introduction

I cannot remember another radio that generated so much positive and negative discussion at its introduction as the AR7030. Therefore a few comments are in order about the controversy surrounding the new AR7030. The internet newsgroup <<rec.radio.shortwave>> and Compuserve's SWL section in the Hamnet Forum have had many postings from both sides of the fence.

AOR introduced the AR7030 at the Leicester hamfair/electronics show last October, billing it as a "high dynamic range" receiver. The detailed information and specifications reported by AOR caused many to wonder if such commercial/military performance could really be reached by a

consumer-grade receiver. When a price was announced by UK retailer Javiation, they wondered even more: £3799 within the UK, or \$3,695 to the USA including FedEx shipping. For British customers the AR7030 is less than half the price of a NRD-535.

AOR missed their initial Christmas 1995 release date by months, due to printed circuit board problems at a supplier. There were even (unfounded) rumors of legal action by Lowe Electronics against AOR. Although eight receivers were available on loan to reviewers in January, regular production did not begin in earnest until April. This delay encouraged skepticism even more.

The unusual design, small size and new features of the AR7030 also raised the eyebrows of those who prefer more traditional receivers.

However, a lively debate over statements in a Radio Netherlands' Media Network review (published in the V.63, #27 edition of *DX News*) (and a more detailed technical explanation on Radio Netherlands' internet WWW home page) is what really fueled the controversy. The review presented test results with significantly poorer intermodulation-free dynamic range (IFDR) and 3rd order intercept point (IP3) figures than those claimed by AOR. The internet article also said that AOR's test method was non-standard, with a result of spurious "good" numbers due to AGC action reducing receiver gain. John Thorpe later countered with a letter on AOR's internet WWW home page and <<rec.radio.shortwave>> that disputed the claims, saying the method is indeed standard and that the test equipment used for Media Network's review was not sufficient for proper measurement. Both parties have posted detailed information on their specific methods and equipment to support their position. It should be noted that the Media Network

review concluded that the receiver is a good value in Europe with "well above average performance in its price category".

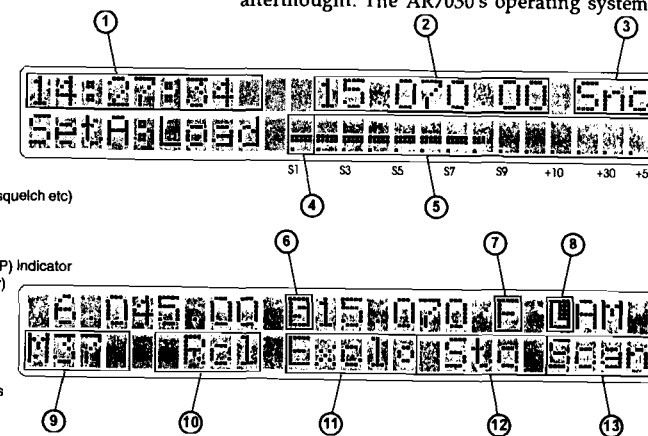
Other reviewers and independent tests have produced figures comparable to AOR's specifications, including Chris Lorek writing in *Ham Radio Today* and Craig Siegenthaler of Kiwa Electronics. User-reviews in the Danish SW Club International *Shortwave News* bulletin and on Ray Woodward's internet WWW homepage also give the receiver high marks.

Features and comments

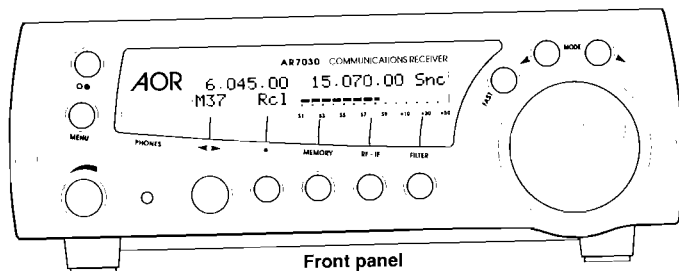
This is a feature-laden set, even though the receiver has a sparse front panel. The full details are available on AOR's internet home page, and the main points have been covered in other recent reviews. From a DXer's perspective, a number of these are worth commenting on.

This receiver is apparently designed around the concepts of total control and information feedback. The menu system and dot-matrix display (discussed below) are critical to the AR7030's approach. A few examples are: passband shift settings displayed in 0.1 kHz increments; bass and treble adjustments shown in plus or minus decibels from a "flat" passband; dual audio outputs independently adjustable in audio level and displayed as a percentage of total output; volume and I.F. gain displayed as a percentage of total output; and the 100 memories which can contain the tuned frequency, mode, I.F. bandwidth, passband shift setting, scan include/exclude, squelch setting, and BFO setting for CW and DATA modes.

The AR7030 is an expandable and flexible receiver. Options and accessories can be properly integrated into the radio's control structure, rather than "tacked on" as an afterthought. The AR7030's operating system



- 1 Auxiliary information (volume, squelch etc) / keypad entry
- 2 Receive frequency
- 3 Reception mode
- 4 Attenuator (A) or preamplifier (P) Indicator
- 5 Signal strength meter (S-meter)
- 6 Squelch open / close indicator
- 7 Fast tuning indicator
- 8 Dial lock indicator
- 9 Spin-wheel function
- 10 button function
- 11, 12, 13 Menu button functions



Front panel

can also be customized for specific commercial or scientific applications, according to AOR.

Frequency Coverage:

Although my main interests are between 530 kHz and 5 MHz, I find it intriguing that the AR7030 tunes down to 0.00 kHz. The receiver's sensitivity is not reduced in the mediumwaves or below. Both the preamp and the 4-step attenuator are available for use if desired. The so-called "dawn chorus" and "whistlers"—natural radio phenomena at 15 kHz and below—can be tuned on the AR7030. These and other DXing targets in the VLF range are another part of the spectrum that can be pursued with this radio. Likewise, the 32 MHz upper tuning limit allows for a bit of low-band VHF DXing during the summer months. (In past years from the Seattle area, I've been able to listen to Central American para-military communications and public utilities chatter from the East Coast, all between 30 and 32 MHz.)

Menu System

A clear, backlit dot-matrix LCD display shows all receiver settings. Excellent use is made of a two-line display due to a carefully thought-out series of branching menus. The feel of DXing with the AR7030 reminds me of operating a laptop computer, such is the effect of the menus, the display, and the multi-function knobs and buttons. If it were not for this computer-like approach, the receiver would need numerous individual controls and a larger case. The receiver's price would also be higher!

Three definable "setups" allow the user to quickly jump between favorite parameters for the type of listening desired. AGC, filter bandwidth, mode, tone controls, RF gain, etc. can all be assigned to the setup memories. I have setup "A" configured for general SWLing, "B" for tropical band DXing, and "C" for foreign MW DXing.

Frankly, the menu system and flexible controls of the AR7030 may disenchant some radio hobbyists. Traditional design implies a

single control for a single function, and a display or front panel that always shows the same information in the same spot! John Thorpe has given us a new approach. Using just a modest LCD display, the AR7030 can report virtually all receiver settings and intelligently assign "soft labels" to push buttons and rotary controls. The only controls with single, dedicated functions are the frequently used ones: the power switch, menu button, volume control, up/down mode buttons, the fast tune button and the main tuning knob. Those who are comfortable with computer software will quickly grasp the logic behind the AR7030's array of menus.

Efficient operation with the front panel controls only comes with experience and understanding of the menu structure; the key is learning which menus keep your favorite parameters accessible. I prefer the filter menu with the assignable rotary knob soft-labeled as "PBS" (passband shift). This gives me immediate, direct access to filters, passband shift, mode, main tuning, volume, power on/off, and fast tune. A further press or two of the filter button allows adjustment of AGC settings (fast, medium, slow, plus off) and tone. Other receiver functions are accessed through other menu selections, or directly with the remote controller.

Again, to some users this may seem to be an ergonomic nightmare. The AR7030 should be given a fair chance, however, as familiarity comes with practice. Fortunately the buttons have a good tactile feel to them, making quick changes easy. Those who cannot bear to operate anything that doesn't feel like the large, classic rigs of yesteryear will view the AR7030 as mere gadgetry. In my opinion it is not an unusual or difficult receiver to use, but rather fun to control after the initial learning curve.

Filter Measurement and Alignment:

This is one of the unusual features of the AR7030, a capability it shares with the professional Racal RA-6790GM receiver. Many styles of MuRata ceramic filters (CF), CFK, CFW styles and others) plus Collins low-profile mechanical filters can be directly fitted.

Other possibilities exist with Kiwa Electronics' Premium filter modules. The AR7030 will measure the bandwidth, determine the proper USB/LSB offset for each filter, and sort the filters in ascending order.

The sequence takes about 45 seconds and is interesting to watch. The resulting exact alignment is useful during ECSS tuning of an AM signal, as there is no change in audio pitch when alternating between USB and LSB (if the receiver is properly tuned beforehand). The AR7030 is the first receiver I've owned which does not exhibit at least a small amount of USB/LSB error due to normal variations in the manufacture of individual filters and receiver alignment.

The supplied bandwidths are nominally 2.2, 4.5, 7.0 and 10.0. Although four filters are standard with two optional filter positions, in reality any filter may be changed except the 10.0 kHz bandwidth (meant for narrowband FM). Any filter may be used in any mode. In my AR7030, these bandwidths are measured and displayed as: 2.0, 5.4, 6.4, and 9.5 kHz. The owners manual explains that most filters are named by their minimum passband and (if stated) their maximum stopband specifications. There can be variations from filter to filter, and even temperature of the filter affects the bandwidth. I've noticed a 0.1-0.2 kHz reduction in measured bandwidth of the filters in my AR7030 if I run the filter calibration routine after the receiver is completely warmed up (1/2 hour).

Kiwa Electronics' new "Premium Filter Modules" make an excellent addition to the AR7030's arsenal of filters. Hookup is simple, using miniature coax cable for input/output leads. All module circuitry is inside a fully shielded enclosure. A ground connection and 4.5 to 15 volts DC power (at 1 ma) is also required. These modules have ultimate rejection better than 100db; my particular 3.5 kHz (nom.) filter module measures 107db. This surpasses even the highly-regarded Collins mechanical filters. The shape factor is stated to be better than 1 to 1.8, typically 1 to 1.5 or 1.6. The modules are available in selected bandwidths in the approximate range of 2.5/2.7 to 8.0 kHz, and the price is \$70 US. A late addition to Kiwa's PFM series is a printed circuit board that holds up to three filter modules.

I also have Kiwa's "High Performance Ceramic Filter", the CLF-D2K, made especially for Kiwa Electronics by MuRata. It is nominally a 3.5 kHz filter but displays as 2.9. In addition I've recently replaced the stock 5.4 kHz bandwidth with another Kiwa PFM module, which the receiver measures as 4.4 kHz. The total of six bandwidths in my AR7030 measure and display as: 2.0, 2.9, 3.4,

4.4, 6.4, and 9.5 kHz. The difference between the 2.9 and 3.4 Kiwa filters is great enough in practice to make each one a worthwhile addition to the AR7030.

AM Synchronous Detection

This mode has the tenacity of a mountain goat and clings to signals weak and strong without problems. It is the best I've ever encountered, period. The passband shift can be adjusted liberally in synchronous AM (SNC) mode without causing squeals of complaint or loss of lock. Finally, a synchronous detector that a DXer can use! My ears cannot detect any rise in distortion in SNC mode (as reported in the Radio Netherland's review); in fact, audio sounds definitely better than with the AM envelope detector. With passband shift carefully adjusted, both Kiwa filters are very useful using this mode.

As with the Drake R8 and R8A, the use of passband shift with the SNC mode allows selection of either sideband (or any point in between). This is an extremely useful tool for avoiding adjacent-channel interference and/or peaking certain audio frequencies to aid intelligibility.

The synchronous detector can be configured to use either a narrow, wide, or auto method of operation. Wide and narrow are "manual" settings; the user tunes the receiver until the receiver locks onto the carrier. Wide is easier to tune but cannot cope with selective fading as well as narrow can. The auto-synchronous method is an unusual feature that tunes the receiver automatically, locks onto the carrier, and displays the center frequency (normally with 30 Hz or better display accuracy). The AR7030 only needs to be tuned somewhere within the passband of the signal before switching to SNC mode. It's interesting to watch the receiver "think" a moment, tune up or down to the carrier, and then lock onto the station.

My test signal for synchronous detection with any receiver is Radio New Zealand International on 15115 kHz during my local evenings. It's often subject to annoying rapid fades after sunset. My Drake R8 would lose lock and "bend" musical tones unmercifully, but there's no such problem when using the AR7030. I have not heard it lose lock even once on this signal.

With the manually-tuned SNC methods, greater than (>>>) or less than (<<<) characters are displayed, indicating which direction the receiver needs to be tuned in order to gain lock.

For unknown reasons, the auto-tune synchronous detector occasionally takes considerably longer than usual to lock onto a

signal. The audio is heard uninterrupted in normal AM (envelope detection) while the receiver is "thinking". I've waited as long as 20 seconds for the AR7030 to switch to SNC mode. When it does, however, the result is rock-solid reception.

Construction and Design

The all-metal front panel and case are excellently finished and extremely robust. Only the built-in speaker's grill is less sturdy than I'd like to see. The front panel is at least 5/16" thick, and the large main tuning knob is solid anodized metal and comfortable for hand-scanning (it has very effective and "seamless" variable-rate tuning, also). The two smaller rotary controls are not as comfortable, being rather tiny knobs attached to mechanical encoders with quite "stiff" click-stops. It helped to refasten the knobs a bit further out on their 1/4" diameter shafts.

Aesthetics are mostly a personal matter, but in my opinion the AR7030 is quite good looking. The overall appearance resembles current British audio equipment. It does not have that "military-industrial" look common to many shortwave receivers.

The AR7030's compact size and bunker-like construction will be appreciated by anyone taking it along for DXpeditions. At approximately 9-1/2" X 9-1/2", the receiver's "footprint" is very modest for situations where space is at a premium. The top-quality fit and finish is rarely seen these days in receivers in the AR7030's price range.

Infrared Remote Control:

This is a standard item supplied with the AR7030, not an extra cost option as with ICOM's R71A and Lowe's HF-250 receivers. Most major settings and adjustments can be done with the remote, although changing the AGC time constants and turning the receiver on or off is not possible. These must be done from the AR7030 front panel.

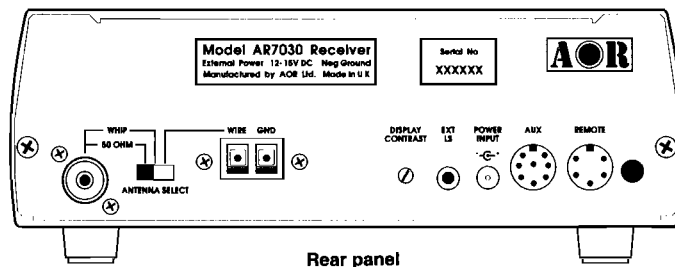
The remote control has the "intelligence" we've come to expect from today's microprocessor-based receivers. Frequencies

can be entered in kilohertz or megahertz. No leading zeroes or excess keystrokes are needed. Simply tap in the frequency, press the "kHz" or "MHz" key, and you're there. Frequencies can be entered from the keypad in increments as small as 1.4 Hz (handy for utility monitors). Tuning frequency step size can also be entered and tuned from the remote.

The remote control is handicapped with small rubbery rectangles masquerading as pushbuttons (common practice on many remotes). Initially I did not care for the feel or size of this unit, but I've now warmed up to it. Rather than use the remote from across the room, I place it on the desk in front of my receiver shelf. I had a small "angle bracket" machined from black plastic and attached it to the back of the remote with heavy-duty Velcro fasteners. Two hidden lead strips (for extra weight) and small rubber feet (non-skid) complete the modification. This angles the remote towards the receiver and keeps it in a comfortable position. In this fashion I can change frequencies, filters, memories, passband shift, etc. with the remote at my left hand, while leaving my right hand free to control the AR7030 normally at the front panel. While actively DXing I tend to use the remote controller half of the time, and it's very handy to have its keypad available.

The bracket is not needed if the receiver sits directly on the desk, as the infrared sensor has sufficient field-of-view. There is even a second infrared "eye" on the back panel of the radio to help catch reflected beams. All told, the remote is a fine addition to the AR7030 and adds to the radio's versatility. Larry Magne, in his "Media Roundup" review on Radio Japan and writing in *Monitoring Times*, spoke of a review model AR7030 that did not always register the remote's keystrokes. This is not a problem with my receiver; 100% of the keystrokes "take" if the remote is aimed anywhere in the general vicinity of the sensor.

During the dawn-enhancement period of a recent DXpedition, I again encountered that



Rear panel

3rd Order Intercept measured at 12 MHz with the Kiwa SW Preamp: +19.5 dBm
3rd Order Intercept measured at 2 MHz - Preamp OFF
200 kHz spacing: +11.5
100 kHz spacing: +11.5 dBm
50 kHz spacing: +10.8 dBm
20 kHz spacing: +10.8 dBm.
Note discrepancy between the IP3 at 12 and 2 MHz.

As shown above, Kiwa Electronics performed their IP3 tests at 12 MHz which resulted in measurements very close to AOR's specifications. However, IP3 performance was reduced at 2 MHz. After investigation, John Thorpe has determined that surface-mount components for the 1.7 MHz input filter do not have sufficient intermodulation performance to ensure high levels of IP3 around this frequency. A modification exists to retrofit leaded components (a few capacitors and inductors) in place of the surface-mount devices. The resulting IP3 is a nearly flat response from 500 kHz to 30 MHz. AOR indicated on August 19th that the change is now incorporated into the next revision of the main PCB, which is being manufactured now. I have made this modification to my own AR7030 (see comments below), and Kiwa Electronics has retested the IP3 performance.

"Real World" Performance

In early May I took delivery of my AR7030 via FedEx from the communications retailer Javiation in the UK. The 695 UK pounds price to the States (including shipping) worked out to \$1052 US. The \$54 invoice for the customs duty put the total at \$1106, which is just a few dollars more than a Drake R8A in the USA. If one doesn't mind the risks involved with overseas purchases this is the way to go, as the cost from US outlets reportedly will be around \$1300.

Jonathan Clough at Javiation is excellent to deal with, however, and he regularly sells to US customers. This is the second time I've bought a receiver through Javiation without a hitch. Note the missing "I" in "Javiation" if e-mailing:

<<info@javiaton.demon.co.uk>>

Minimal Intermodulation

In the few months I've owned this receiver I have used it at home in a suburban neighborhood setting and during two DXpeditions to the Washington State coast. The home location is a test of the AR7030's intermodulation performance when hooked up to one antenna in particular: a 350 ft. terminated, impedance-matched mini-

heady experience of trans-Pacific MW stations appearing up and down the band with audio or strong hets. In a situation like this, the AR7030's infrared remote is essential for efficient DXing. A quickly changing DX opening is not the time to use a cumbersome receiver! Casual DXing can be done from the AR7030's front panel alone, but be forewarned that the remote is truly a necessity when you need to fly up and down the band (keypad frequency or memory entry) in the heat of battle. The receiver does have a Fast Tune button on the front panel, and it works well.

Lab Measurements

The following are measurements on my AR7030, serial# 100067. Many thanks to Craig Siegenthaler, President of Kiwa Electronics, for taking the time to perform these independent tests. Kiwa uses the test methods described by the ARRL (same as used by Willem Bos for the R. Netherlands Media Network review). The results are very close to AOR specs, with testing at the AOR-specified frequency the key factor. Test data on other AR7030 receivers and full details on the Premium Filter Modules are found on Kiwa's internet world wide web page:

<<http://www.wolfe.net/~kiwa>>

Noise Floor

LSB -130.5 dBm USB -130.5 dBm (preamp ON)
LSB -123 dBm USB -123 dBm (preamp OFF)

Noise Figure

Preamp OFF 19.5 dB Preamp ON 11.8 dB
Preamp OFF but using Kiwa SW Preamp 10.3 dB

Phase Noise

5 kHz spacing -126.5 dBc/Hz
10 kHz spacing -133.5 dBc/Hz
20 kHz spacing -144.5 dBc/Hz
50 kHz spacing -155 dBc/Hz
100 kHz spacing <-156 dBc/Hz

Note: -156 dBc/Hz is the limit of the measurement system.

2nd Order Intercept measured at frequencies similar to those in the AR7030 specifications list (23 MHz): +80 dBm

2nd Order Intercept measured at 4 MHz: +67 dBm. Note discrepancy between 23 and 4 MHz with IP2.

3rd Order Intercept measured at frequencies similar to those in the specifications list (12 MHz, Preamp OFF):

200 kHz spacing: +34 dBm
100 kHz spacing: +33.75 dBm
50 kHz spacing: +33 dBm
20 kHz spacing: +32.25 dBm
3rd Order Intercept measured at 12 MHz with the Preamp ON: +9.75 dBm

Beverage. Although this antenna is on a 270-degree bearing toward Papua New Guinea and Irian Jaya (two favorite DX targets), it is also directly in line with a few mediumwave powerhouses.

The only instance of intermod I've discovered with this antenna and the AR7030 is weak garbled audio on 3260 kHz, which is the mixing result of my two most powerful locals: $(2 \times 850 \text{ kHz}) + 1560 \text{ kHz} = 3260 \text{ kHz}$. Both of these completely "pin" the AR7030's digital S-meter (maximum display of S9+50dB) on their primary frequencies. With Drake R-7 and R8 receivers I previously owned, these two stations would show a level of S9+60dB. The 3260 mixing product doesn't raise the S-meter above the S-1 level band noise, but it is heard with audio from both 850 and 1560. Switching in 10dB of attenuation, adding a high-pass filter, or changing to another antenna completely removes the intermodulation. The intermod is only noticed when both stations are using daytime power.

Both the Drake R-7 and R8 exhibited the same problem on 3260, so the AR7030 is not alone. So far I have discovered no other obvious mixing products on any band with the AR7030 at my home location. When I owned the R8 it had a few other problem frequencies between 2.0 and 3.5 MHz, and in the longwave region. With the AR7030 connected to lengthy, unterminated Beverage antennas at the coast, I find no indications of mixing products or other spurious signals on longwave, mediumwave or shortwave.

Since modifying the high-pass filter as described above, the intermodulation products on 3260 kHz are completely gone. This is now the first receiver I've used that can pass the "3260 test". Kiwa Electronics' measurements after the modification show an IP3 figure that varies by only a few decibels: +29 dBm to +34 dBm, from 500 kHz to 32 MHz. The average IP3 looks to be +32.5 dBm. If you do not want to handle this delicate modification yourself, Kiwa Electronics will do the work for \$70 parts and labor.

Low Phase Noise, High Audio Quality:

The AR7030 is clearly the quietest solid-state receiver I've ever operated. In a comparison with a Japan Radio NRD-525 receiver, the difference is dramatic. The low noise level is a revelation; and when used in a quiet setting with a good antenna you get the impression there is nothing between the signal, the atmospheric noise level, and your ears. The AR7030 seems nearly "transparent" as it goes about its business.

The best of the hollow-state receivers of the past could achieve phase noise figures of -160 dBc/Hz. With a measured phase noise of <

156dBc/Hz at 100 kHz spacing, my AR7030 is in the same range. This level of phase noise performance ensures minimal degradation of the dynamic selectivity of the receiver's I.F. filters. (This is a prime reason why Kiwa's Premium Filter Modules are a great addition to the AR7030.)

Audio quality in all voice modes and bandwidths is very pleasant, reminding me of the sound from John Thorpe's HF-series of receivers. A bonus for DXers is the very useful bass and treble settings. There are no "do-nothing" knobs on the AR7030! Careful adjustment of the bass and treble helps intelligibility of weak, muffled stations such as the tropical band Indonesians.

During a DXpedition I made a comparison between the audio quality of a Drake R8 and the AR7030 on trans-Pacific mediumwave and tropical band stations (Solomon Islands 5020 kHz in particular). I used the same pair of headphones (Realistic PRO-25) and tried various bandwidths on each radio. The receivers sounded slightly—but distinctly—different. The R8's audio could be described as "clear and crisp" and the AR7030's as "smooth and mellow". Both receivers are easy on the ears and can be listened to comfortably for hours on end. Most importantly, each receiver provides good intelligibility of signals.

Selectivity

When I'm bandscanning with the AR7030 it becomes apparent that selectivity is quite good. The best stock filter is the 2.2 (nominal) ceramic, and it's the filter of choice for serious DXing if no optional, higher quality filters have been installed. If all six filter positions are filled there are no less than ten individual I.F. filters comprising the I.F. chain (including "post-I.F." filters). This cascading of bandwidths results in very good adjacent channel rejection, even though most of the stock I.F. filters are inexpensive MuRata ceramics (such as used in low-cost portable receivers). The selectivity John Thorpe has achieved through careful circuit design and modest components is impressive. (A similar approach is used in the design of Kiwa Electronics' Premium Filter Modules.)

The above average filtering and the AR7030's passband shift control are highly useful for DXing mediumwave "splits". As an example, while I was listening to T3K1 Kiribati on 846 kHz, it was possible to avoid interference from a strong semi-local on 850 kHz by tuning in LSB and using the wide-ranging (+/- 4.2 kHz) passband shift. In my opinion the AR7030 provided better reception than a NRD-535D on this station. Even though the NRD-535D has the unique

noticeable and useful to the DXer as he spends more time with the receiver. The following are a few features that I consider "nice touches":

- 1) No immediate blast of audio in the AGC off position. The I.F. gain takes a couple seconds to reach 100%, so cycling through all three AGC speeds is gentler on the ears when the off position is reached.
- 2) The high-impedance antenna port and the ground connection for the AR7030 use a locking lever to engage the wire, rather than a spring-loaded pushbutton. I find it easier and quicker to use than the typical spring connector. A small detail to be sure, but it's appreciated when working around the back of the AR7030 in low light conditions or amongst a tangle of wires and cables.
- 3) The relay timer, the 24-hour clock, and sleep timer are easy to set and activate. I particularly like how the AR7030 displays both the current time and "TIMER ON AT 18:30" (for example) on the dot-matrix display when the receiver is on standby for remote recording. When the AR7030 is turned on for operation it can show the current 24-hour time, including seconds, on the display if desired.
- 4) Utility and HF aero monitors will enjoy the powerful scanning and squelch facilities. The receiver provides adjustable hold, delay, and mute, among other features. The squelch level can be set independently for VFO's A and B, as well as for each of the 100 memories. Scanning on HF has some real limitations, but the AR7030's independent squelch settings makes the most of variable conditions from band to band.
- 5) The bar graph S-meter is composed of 70 segments and is very accurate. I suspect that each S-unit (and intermediate step) is programmed into the AR7030's microprocessor, so that the meter will not respond until the proper signal level is encountered. Traditional analog S-meters are rarely linear and exacting across their entire range.
- 6) The excellent owner's manual is one of the best around, among contemporary receivers. Curiously it lacks the British colloquialisms found in other UK equipment manuals. It almost reads as if it was written by a US author. Particularly interesting are the discussions about the filter calibration routine and the automatic-tuning synchronous detector. Full technical details and a block diagram are at the end of the manual, but no circuit diagram.

AOR does not include computer control data in the owner's manual. The PC information

variable bandwidth control (BWC), that filter degrades in shape factor as it is narrowed. Also, the passband shift does not have an adjustment range approaching the AR7030's (the NRD-535D has a passband shift range of +/- 1 kHz).

Because of different bandwidths in the two receivers, it was tough to compare the selectivity of the AR7030 against the R8A. The specifications would appear to give the AR7030 the edge. In actual use on foreign mediumwave and tropical band DX they both performed very well. More comparisons need to be done, but it appeared to me that the AR7030's stock filtering is at least the equal of the R8A. The extra Kiwa Electronics' bandwidths give a modest audible edge to the AR7030 when using those two filters in my receiver. Unfortunately, the R8A's filtering cannot be changed or upgraded because the bandwidths are composed of many individual and carefully-matched parts on the circuit board.

The cumulative effect of the cascaded filters results in very good performance even with the wider stock bandwidths. I've been surprised more than once by the usefulness of the stock 5.4 and 6.4 filters when coupled with passband shift and ECSS tuning. Even in the difficult mediumwave band the 5.4 filter is useable for DXing stronger trans-Pacific split frequency stations. The Kiwa PFM 4.4 module that replaced the stock 5.4 filter position in my AR7030 is an even better choice for stronger splits.

Despite the useful passband shift, occasionally some carriers or hets cannot be overcome (as with any radio); a notch filter would be welcome on the AR7030. An optional notch filter is expected to be available by August from AOR, and it may include a noise blanker feature. Now I'm using a Radio Shack DSP-40 digital audio filter strictly for its "auto-notch" capability. The DSP-40 works well for the purpose, and at a close-out price of less than US. \$40, it was an inexpensive solution. Some Radio Shack outlets still have the DSP-40, now at a \$30 price. I do not find the current lack of a noise blanker to be a problem with this receiver. Still, I will likely add the noise blanker to my AR7030 when it's available, just to make the receiver complete. I prefer to tackle noise problems with outboard accessories such as the JPS ANC-4 Antenna Noise Canceller. With this approach the noise cannot affect the AGC of the AR7030, but the gain control of the ANC-4 should be used cautiously as its amplifier can be overloaded by strong local MW stations.

Nice Touches

There are many small details that become

is in a separate nine-page document. Because it's possible to accidentally scramble the data in the AR7030's microprocessor via computer, AOR is reluctant to widely publish programming information. This receiver is a major leap forward in PC control capability (even individual mixers and oscillators can be controlled by computer link). Careless programming can turn the AR7030 into an expensive and attractive paperweight! Interestingly, all commands to the receiver are byte structured in binary format, so it is not possible to control from a terminal.

- 7) The customer service and support of AOR has been nothing short of excellent. They are clearly eager to answer questions, give suggestions, and be of assistance to new and potential AR7030 owners. Richard Hillier is the contact in AOR's Marketing Dept. at the UK facility. He can be e-mailed at: <<info@aor.co.uk>>. Mr. Hillier can also put you in touch with John Thorpe and/or pass along your message to him if needed.

AOR also has an internet WWW homepage which presents useful data on the AR7030 and other AOR receivers. Found there is full technical information on the AR7030 (including graphics-intensive LF filter plots, AGC response curves, etc.), press releases, and general information on IFDR and IP3 measurement on communications receivers. The URL is: <http://www.demon.co.uk/aor>

Difficulties

As with any receiver, this radio has some quirks and problems here and there. The few that have gotten my attention are described below.

- 1) The selection of different filter bandwidths or RF attenuation settings causes a brief "pop" to be heard from the speaker or headphones.
- 2) For those who plan to run the AR7030 from 12 volts instead of the recommended 15 volts, be aware of some anomalies caused by the reduced voltage. On a DXpedition I did some comparisons between 12.5vdc operation and 15vdc, and discovered some subtle but real effects: a decrease in opposite sideband rejection and an increase in digital switching noise at 12.5 volts power. Using the lower voltage, I found that when tuning in USB and approaching a signal from below, a low volume, rising pitch is heard for about 1.5-2 kHz above (past) the center frequency. This effect is reduced 75-100% with 15 volts DC power! I believe this crude test

illustrates a degradation in opposite sideband rejection at 12.5 volts. It was interesting to note that an NRD-525 was much worse in opposite sideband rejection at its normal 12vdc power.

At the 12.5 volts level, I found a slight to moderate increase in switching noises, pops, and low buzzes when pushing various buttons. These were all at very low audio levels, but noticeable with careful listening. These noises are virtually absent at 15 volts, except for the brief "pops" when filter or attenuation settings are changed (these are louder and occur irregardless of DC power). Note that these artifacts are only heard during the actual brief moment that the button makes contact when pressed. In the future I plan to run the AR7030 from 15 volts exclusively, for any serious DXing while at home or on DXpedition. I have modified one of my 12vdc DXpedition lead-acid batteries to include 3vdc cells in series/parallel connection to provide the optimum 15 volts.

- 3) DXpedition use of the AR7030 with Beverage antennas revealed that the preamplifier is needed when listening to extremely weak signals, at or above the noise level under truly quiet conditions. In sensitivity comparisons to a NRD-525 and Drake R-8, the AR7030 equaled the competition only when its preamplifier was activated. (The test signal was Radio Enga, 2410 kHz, during fade-in with audio at 0820 UTC.) Note that the preamp helped intelligibility only for the weakest of signals under quiet circumstances. Another example is my reception and subsequent verification of 2AM Sydney, Australia, on 1620 kHz. This tourist radio station in the Australian expanded mediumwave band runs 400 watts of power. On two different DXpeditions, 2AM's signal was audible without the AR7030's preamp but intelligibility was nil. With the preamp engaged, 2AM improved enough to catch an occasional phrase or sentence (particularly during the second coastal DXpedition).

The typical suburban DXing location has enough local noise and interference to mask truly faint stations, and use of the preamp just raises noise (while reducing 3rd order intercept point, the opposite of what's needed in or near cities). Stated another way, it is my impression that the preamp helps weak signals in a DXpedition environment but not at home where noise levels are higher. I have not noticed any circuit noise increase when using the AR7030's preamp.

year; alpha-numeric labels for memory channels, and other enhanced features.

AOR is also developing Windows-based PC control software for the AR7030, with customized modules for propagation prediction and other related items for the radio enthusiast.

Conclusions

In this age of mega-corporations and design by committee, it is refreshing to see what can be done by a single talented engineer with a vision. Surely, John Thorpe and AOR's UK facility are producing a remarkably useful receiver for the hobbyist and beyond. I wouldn't be surprised to learn of cash-conscious organizations in industry and government choosing the AR7030 over other, more expensive commercial receivers for computer-controlled or remote monitoring. (Rack-mounted Drake R8/R8A receivers have been employed for the same purpose.)

The AR7030 is a very good value, and for the money it's a lot of receiver, especially if you live in the USA and purchase direct from England. How willing are you to sacrifice a larger front panel, separate controls and the traditional approach to receiver operation in exchange for high performance, portability, and reasonable cost? It's not easy for long-time DXers, who have strong opinions about "real" radios. Will this receiver become a DXer's workhorse or languish on retailers' shelves as a collectable curiosity? AOR management will readily know our consensus answer to this question, when they study sales figures in the years ahead.

Note: This review originally appeared, in slightly different form, in the Ontario DXers Association bulletin, DX Ontario. Guy Atkins has been actively DXing Indonesia and Africa on the tropical bands since 1980, with occasional side-trips of trans-Pacific MW DXing. In the late 1980's he promoted the hobby in the Seattle area through publication of the Cascade Mountain DX Club newsletter and DX-Northwest's Grayline Report. Guy joined Fine Tuning's "Proceedings" editorial staff in 1989. He is also a member of Numero Uno, the Ontario DX Association, and a contributor to the OZ DX newsletter. Guy is with the Quality Assurance department of Zetec, a manufacturer of nuclear powerplant safety inspection systems used worldwide.

- 4) A receiver of the AR7030's caliber should have more than 100 memories. Serious DXers (especially if they tune foreign mediumwave) can easily make use of 200 or more memory channels. With only 100 memories, an excellent opportunity has been missed to make the AR7030 the receiver of choice for the DXer with many targets across the LF/MW/HF spectrum. The AR7030 memory system is very powerful; it's a shame that only 100 are possible.

The fact that passband shift setting is stored for each memory makes the AR7030 unique among receivers. If 200 or more channels were available, the foreign MW DXer could store LSB, USB, frequency, bandwidth, and passband shift for each split frequency—across the entire band—as appropriate to avoid domestic broadcasters. The exact foreign MW frequency could be stored to step through the memories searching for audio, or the memorized frequencies could be offset (in LSB/USB modes) by a few hundred Hertz to create a heterodyne when a carrier is detected. The receiver's memories can be programmed this way now, but the 100 memories only provide for 900-1000 kHz coverage of the mediumwave band. Stepping through mediumwave with the infrared remote can be done, but the benefits of the AR7030's memories—particularly the passband shift settings—are unavailable.

Options and Upgrades:

An internal battery and fast charger for the receiver should be available soon, and a carrying case for portable use is also planned. Development is underway for a notch filter and noise blanker, although I'm not sure if these two features will be part of the same option or if they will be separate items. AOR is expanding the range of available optional filters, including crystal filters mounted on a special circuit board.

Another planned option is a "VHF Band 2" board with FM stereo capability, to take advantage of the AR7030's two-channel audio path. Eventually, "upgrade" microprocessors will be available, allowing specific capabilities such as "VCR-like" timers for day, week, and

A DXers Technical Guide

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

IRCA Bookstore - 9705 Mary Ave. NW - Seattle, WA 98117-2334

Confirmed Ken MacHarg kmacharg@hcjb.org.ec

**HCJB - Box 39800 - Colorado Springs, CO 80949, or
DX'er HCJB - Box 17-17-691 - Quito, Ecuador (.5 oz: 60¢)**

Your successes in obtaining QSL's and other station items

Well, the dog days of summer are about over and as you read this Polly and I will be on our way back to Quito for another term of service with HCJB. I hope you'll join me every Saturday as I take on the responsibility for a time of producing and hosting the DX Party Line. Meanwhile, all mail should be sent to me at either the Quito or Colorado address above or at my NEW e-mail address: "kmacharg@hcjb.org.ec". I look forward to hearing from you. Now, on to some good confirmations.

North America

Canada

ALBERTA, CKMX, 1060, Calgary, f/d letter in 15 days after f/up. V/s Ken Pasolli, TD. (Wilkins-CO)

ALBERTA, CKRX, 1090, f/d letter, sticker in 13 days. V/s Tyler Everitt, CE. (Wilkins-CO)

ONTARIO, CHML, 900, Hamilton, QSL card, stickers and brochure on Canadian attractions in 391 days. No v/s. (Pote-IN)

USA

ARIZONA, KFLT, 830, Tucson, letter, schedule and sticker in 7 days. V/s Dave Ficere, Asst. Manager. (Pote-IN)

ARIZONA, KOY, 550, Phoenix, letter, coverage map, schedule in 8 days. V/s Terry Hardin, GM. (Pote-IN)

CALIFORNIA, KVEN, 1450, Ventura, handwritten veri on letterhead in 10 months after f/up. (Rolph-AU)

CALIFORNIA, KXBT, 1640, Vallejo, p/d card in 17 days. V/s Alan. (Wilkins-CO)

CALIFORNIA, KXEX, 1550, Fresno, ppd card, promo material. V/s Albert R. Perez, Stn. Mgr. Station address: 139 W. Olive Ave., Fresno, CA 93728-3035. (Wilkins-CO)

FLORIDA, WAMR, 1320, Venice, letter and sticker in 90 days. V/s Lee Freshwater, Dir. Eng. (Pote-IN)

FLORIDA, WEAG, 1490, Starke, f/d letter in 91 days. V/s Lee Freshwater. (Tiara-NC)

FLORIDA, WMOP, 900, Ocala, letter, sticker in 89 days. V/s Lee Freshwater, Dir. Eng. (Pote-IN)

FLORIDA, WMOP, 900, Ocala, f/d letter in 91 days and same in 96 days. V/s Lee Freshwater. (Tiara-NC)

FLORIDA, WOCA, 1370, Ocala, letter, balloons and stickers in 89 days. V/s Lee Freshwater, Dir. Eng. (Pote-IN)

FLORIDA, WOCA, 1370, Ocala, f/d letter in 91 days. V/s Lee Freshwater. (Tiara-NC)

FLORIDA, WRUF, 850, Gainesville, f/d letter in 90 days. V/s Lee Freshwater. (Tiara-NC)

FLORIDA, WTMC, 1290, Ocala, letter, sticker in 89 days. V/s Lee Freshwater, Dir. Eng. (Pote-IN)

FLORIDA, WTMC, 1290, Ocala, f/d letter in 91 days. V/s Lee Freshwater. (Tiara-NC)

FLORIDA, WTMV, 1280, Sarasota, f/d letter in 90 days. V/s Lee Freshwater. [This Mr. Freshwater sounds like a very busy and nice man!!! --Ken] (Tiara-NC)

HAWAII, KPUA, 670, Hilo, letter, stickers in 13 days after f/up. V/s Ken Hupp. (Wilkins-CO)

IDAHO, KBSU, 730, Boise, f/d letter and sticker in 119 days. V/s Ralph Hogan, DE. (Tiara-NC)

INDIANA, WHON, 930, Richmond, letter in 50 days. V/s Dan Mills, PD. (Pote-I)

ILLINOIS, WLBH, 1170, Mattoon, Verie letter with apology, sticker and two 50th year in b'casting stickers in 70 days. V/s Rick Berg, GM. (Pote-IN)

ILLINOIS, WMAQ, 670, Chicago, letter in 95 days. V/s Gregory Scott Davis, Eng. Manager. (Pote-IN)

KENTUCKY, WHAS, 840, Louisville, unsigned QSL in 45 days. (Pote-IN)

KENTUCKY, WVLC, 590, Lexington, p/d letter, magnet in 10 days. V/s Tom Devine, CE. (Wilkins-CO)

KANSAS, KXXX, 790, Colby, letter in 5 days. V/s Joe Munsell, St. Manager. (Pote-IN)

MARYLAND, ABS, 1670, Ft. Meade, Verification Certificate (and a nice one, too!) in 107 days. V/s Donald Brown. (Tiara-NC)

MARYLAND, KTRK, 1670, Ft. Mead, official looking certificate of verification from U.S. Army in 96 days. V/s Donald Browne, Proj. Manager. (Pote-IN)

MARYLAND, WWIN, 1400, Baltimore, p/d letter in 1 week after f/up. V/s Wendell S. Hall, Jr., asst CE. (Myers-VA)

MICHIGAN, WKAR, 780, East Lansing, letter and station schedule in 19 days. V/s Curt Gilleo, AM Program Manager and News Director. (Pote-IN)

MINNESOTA, WEBC, 560, Duluth, f/d letter, map, station profile in 18 days. V/s Paul Kero, Ch. OP. (Wilkins-CO)

MISSOURI, KATZ, 1600, St. Louis, f/d letter and pen in 1 month. V/s Daryl McQuinn, D.E. (Rolph-AU)

MONTANA, KBOZ, 1090, Bozeman, f/d letter, sticker in 16 days. V/s James Bender, CE. (Wilkins-CO)

MONTANA, KMON, 560, Great Falls, f/d card, balloons, map in 112 days. V/s Mike Saarki, CE. (Wilkins-CO)

NEBRASKA, KRVN, 880, Lexington, f/d card, sticker, business card and station info in 16 days. V/s Vern Killion, W5UYF, Dir. Eng. (Rolph-AU)

NEW JERSEY, WJDM, 1660, Elizabeth, p/d letter, map in 53 days. V/s Don Neumuller, CE. (Wilkins-CO)

NEW JERSEY, WRNJ, 1510, Hackettstown, f/d letter, station info in 8 days. V/s L. J. Tigne, Jr. CE. (Myers-VA)

NORTH CAROLINA, WRBZ, 850, Raleigh, p/d letter in 3 weeks. V/s Jon Hardee, CE. (Myers-VA)

OHIO, WWWE, 1100, Cleveland, letter and sticker in 43 days, V/s Charlene Coates, Programming. [Get these while they're hot...this station just changed call letters. --Ken] (Pote-IN)

OKLAHOMA, KVIS, 910, Miami, letter, map, sticker in 18 days. V/s Richard Millikin, GM. (Pote-IN)

TENNESSEE, Kintronics Experimental Station, 1680, Bluff City, f/d letter, copy of test report in 3 months. V/s Tom King, Pres. (Myers-VA)

TENNESSEE, WLAC, 1510, Nashville, letter, refrigerator magnet, schedule and map in 40 days. V/s Kelly Carls. (Pote-IN)

TENNESSEE, WSM, 650, Nashville, QSL, sticker and IRCA info sheet in 51 days. V/s Tom Bryant, Prod. Manager. (Pote-IN)

TEXAS, KCTA, 1030, Corplus Christ, bumper sticker, QSL, letter, schedule and coverage map in 6 days. V/s David Freymiller, Rhonda York and Leanna Wilson. (Pote-IN)

TEXAS, KRLD, 1080, Arlington, letter, map and history of station in 5 days. V/s Dric Disen, Dir. of Engineering. (Pote-I)

UTAH, KAPN, 860, Salt Lake City, f/d letter, stickers and patch from sister station KCNR in 16 days after f/up. V/s Zandi Holden, Ex. Assist. (Wilkins-CO)

VIRGINIA, WINC, 1400, Winchester, n/d letter in 1 week after f/u. V/s Tom Scheithe, GM. (Myers-VA)

VIRGINIA, WYTI, 1570, Rocky Mount, p/d letter in 1 week. V/s Earl Shelton, Jr. Op. Mgr. (Myers-VA)

OUTSIDE OF NORTH AMERICA

GRENADA, Harbour Light of the Windwards, 1400, Carriacou, f/d QSL card, postcard of staff, info sheets, station philosophy pamphlets, tracts and personal letter in 2 months. V/s Rolan Cornelius, Manager. Heard while in Venezuela. (MacHarg-KY)

MEXICO, XEEB, 760, Ciudad Obregon, Sonora. Ppd card in 26 days after f/up. (Wilkins-CO)

NEW ZEALAND, 1XW (Radio Pacific), 954, Hamilton, p/d letter in 17 days. V/s John Haynes, Op. Man. (Rolph-AU)

TURKS & CAICOS ISLANDS, Caribbean Christian Radio, 1025, f/d card in 34 days. V/s illegible but looks like Jerry Kiefer who signed my Atlantic Beacon varie a few years ago. [Yep, he signs them. I sure wish he would sign one for my report and f/up from 3 years ago!!! --Ken]

(Wilkins-CO)

Bad news, which is really good news! I have so many listings of QSL's and have run out of both space and time. So, I'll hold over some good QSL's from Don Trelford and Henry Lazarus until the next time. Sorry, but keep those contributions coming. --Ken

Thanks to this month's contributors: Ken MacHarg, Louisville, Kentucky, Greg Myers, Richmond, VA, Robert Pote, Greenwood, IN [Hey Robert, have you ever eaten at Jonathan Byrd's Cafeteria in Greenwood? Great place!!! --Ken], Michael Rolph, Inverell, NSW, Australia, Robert J. Tiara, Hendersonville, NC, and John Wilkins, Wheat Ridge, Colorado.

Oldies 900

CJVI 817 Fort Street, Box 900, Victoria, B.C. V8W 2S2



Formats

Tony Fitzherbert

352 Jackman Avenue
Fairfield, CT 06430-1728

Changes in programming status; reported by listeners

Locally, WLIR-1300, Spring Valley is still using that call (as is an FM station, in Garden City, NY, to whom the call is REALLY assigned), while airing very old adult standards (almost the stuff played by the Titanic's dance band!), and is ID'ing as "1300 Memory Lane". And from the *M Street Journal*, WMZQ-1390, Arlington, VA, which has simulcast its FM's country music for a number of years, now embarks on a new to the industry format - all health talk!

Jim Guthrie, of Smithtown, LI, has sent a Long Island Dial Scan, found below, and Ken Onyschuk advises that WJJD-1160, Chicago, has gone back to adult standards, retaining only the Liddy and Leykis talk shows. If you enjoy the adult standard or nostalgia formats and are in the Chicago area, Ken notes that you can hear these formats on the following area stations: WAIT-850, Crystal Lake, WOKY-920, Milwaukee, WITY-980, Danville, IL., WHFB-1060, Benton Harbor, MI., WMAD-1190, Sun Prairie, WI., WNTA-1330, Rockford, WBEL-1380, South Beloit, IL., WAKE-1500, Valparaiso, WLOI-1540, LaPorte, IN., and WHLD-1580, South Bend.

Here are the latest format changes, mostly from the *M Street Journal*.

580 WKTY	WI	LaCrosse	- Sports.
740 WMIN	WI	Hudson	- JSN Adult Standards.
750 WPDJ	WV	Clarksburg	- Southern Gospel.
910 WYLI	OH	Marietta	- Hot adult contemporary.
970 WAVG	KY	Louisville	- JSN Adult Standards.
1090 WCAR	MI	Livonia	- This little ten tower, 250/500 U-4 watt station has dropped its brokered variety for CSN Children's programming!
1090 WKCV	TN	Kingsport	- To be gospel in September.
1140 KCMJ	CA	Palm Springs	- JSN Adult Standards.
1140 KCHC	TX	Conroe	- Drops black gospel for country music.
1160 WAMB	TN	Donelson	- JSN Adult Standards.
1170 KCBQ	CA	San Diego	- Talk.
1230 KVAK	AK	Valdez	- WW-I Adult Contemporary.
1230 KWG	CA	Stockton	- Spanish hits.
1240 KDDZ	CA	San Diego	- Kidstar Childrens programming.
1260 WRIE	PA	Erie	- JSN Adult Standards.
1260 WISO	PR	Ponce	- Spanish talk//WAPA.
1270 WNLS	FL	Tallahassee	- Sports.
1280 KPRV	OK	Poteau	- United (EX-PRN) News and Talk.
1290 KXKC	CO	Denver	- Talk, ID's as "Ralph"(M) !!!!!(TF).
1310 WDOZ	MI	Dearborn	- This old rocker now carries Kidstar children's programming.
1320 WKIN	TN	Kingsport	- Talk and sports.
1340 KTSN	NV	Elko	- New station, news and talk.
1340 KWWK	WA	Wenatchee	- JSN Regional Mexican.
1340 WEPM	WV	Martinsburg	- Talk and Sports.
1360 KCMG	MO	Mountain Grove	- Religion.
1370 WVAX	IL	Lincoln	- News and talk//WTAX.
1380 WLVS	FL	Lake Worth	- Now Tejano//WAFC. I wonder if the huge varnished wood sculptured dove of peace is still on the front of its studio building - as it was in the station's religion formatted days? (TF).
1380 WFCL	WI	Clintonville	- ABC Adult Standards.
1390 KCDR	CA	Turlock	- Spanish hits//KWG.
1390 KLGJ	UT	Logan	- WW-I Adult Standards.
1400 WKCV	TN	Kingsport	- United Talk.
1410 KLQV	TX	Athens	- One on One Sports.
1420 WHK	OH	Cleveland	- One on One Sports, pending its sale to Salem Broadcasting.
1420 WBRD	FL	Palmetto	- Southern Gospel.
1430 WEIR	WV	Weirton	- ABC Adult Standards.



CAMDEN, TENNESSEE 38320

1450 WXVW	IN	Jeffersonville	- JSN Adult Standards.
1490 WMOG	GA	Brunswick	- ABC Real Country.
1490 KRTN	NM	Raton	- JSN Adult Alternative.
1490 WXRE	VA	Hampton	- Contemporary Christian.
1500 WAKE	IN	Valparaiso	- JSN Adult Standards.
1530 KHPY	CA	Moreno Valley	- Brokered variety.
1530 WOBS	FL	Jacksonville	- Urban adult contemporary.
1550 WKQV	PA	Pittston	- News and talk//WARM.
1550 WITC	PA	Towanda	- JSN Oldies//FM.
1560 WPAD	KY	Paducah	- JSN Adult Standards.
1560 KKID	OK	Sallisaw	- ABC Real Country.
1560 WCCP	SC	Clemson	- News and talk.
1570 WKYR	KY	Burkesville	- JSN Country Music//FM.
1580 KZKL	NM	Albuquerque	- Oldies//FM.
1590 WXRJ	PR	Guayama	- Spanish hits//WMEG.
1600 WKWF	FL	Key West	- Prime Sports.

What a dull line up! All automated and satellite-fed! Boring!

We now go to Long Island for a Dial Scan, courtesy of Jim Guthrie!

540 WLUX	Islip	- Big band standards from the 1940's to the 1960's and light pop favorites from the '60's and '70's, with real DJ's playing the music.
740 WGSM	Huntington	- This 25,000 watt daytimer totally simulcasts its weak FM sister, WMJC-94.3, with country music. WGSM is the only country music station heard over most of the New York City market!
1100 WHLI	Hempstead	- Adult standards. This 10,000 watt daytimer offers a more traditional mix than WLIX, and has real DJ's including some ex-WMCA talent, spinning the records. WHLI is Long Island's top AM station.
1240 WGBB	Freeport	- Mostly brokered talk and ethnic programming, but does carry G. Gordon Liddy and Oliver North.
1370 WALK	Patchogue	- Soft adult contemporary, hits from the '50's to the '80's, "Sunrise 1370".
1390 WRIV	Riverhead	- Full service adult standards.
1440 WNYG	Babylon	- "Bienvenida 1440" Hispanic and regional Mexican music.
1520 WTHE	Mineola	- Black gospel, paid religion, "Gospel Radio with a Purpose".
1580 WLIM	Patchogue	- 10,000 watt daytime station, adult standards, jazz, and blues.
1600 WLNG	Sag Harbor	- Totally simulcasts WLNG-FM with full service oldies, and tons of remote broadcasts.

Thank you very much, Jim. And, as the new DX season is upon us, do get your format changes in to your Formats column, so we all know to what we are listening to, in this age of legal ID's only on the hour! Good DX'ing to all!!

Professional

Barry S. Finkel BSFINKEL@ANL.gov

Sports
Networks

10314 S. Oakley
Chicago, IL 60643-2409

Network listings for team sports stations

Here is the first NFL information. I know that the Major League Baseball season has not ended, and I am still missing many network lists. If you have any that I have not published, please send them to me. I do not yet have NFL flagship information, but I have retrieved two network lists off of the World Wide Web. If you visit a Web site that SHOULD have a network list but doesn't, then send the webmaster a nice note suggesting that the network list would be a good addition to that Web site. I have done this, and the Colts' Network list should be available at <http://www.wibc.com> shortly.

CBS Radio NFL Network (retrieved from <http://www.cbsradio.com> on 09/04/96) Note that some stations on this list carry only the CBS radio sports feed; they don't carry the CBS Radio News broadcasts. Note also that the reverse is true; some CBS Radio network stations do not carry the sports feed. As I have noted previously, if a home team is playing in the game, the CBS station will not broadcast the game, instead deferring to the team's flagship station. This list is very similar to the list I published last year; there have been a few changes. For example, in Chicago the broadcasts moved to 720 WGN-IL (from 780 WBBM-IL, the CBS radio station in Chicago). There



were six stations in Nebraska last year; there are none this year. I do not know if this is an oversight on the part of the CBS Radio Webmaster. I also had the opportunity to correct some errors in last year's list -- there were four Virginia stations that I had placed in Wyoming, and one station was missing the last letter of its call. This list is subject to change.

CBS Radio will broadcast the Sunday evening games, the Monday evening games, and the playoff games. The announcing team is Matt Millen, Jim Hunter, and Greg Gumbel -- co-hosts of CBS Radio's NFL pre-game and half-time shows and the weekly "NFL Preview" program Howard David and Pat Hayden, John Rooney and John Dockery. Note the disappearance from the CBS airwaves of Jack Buck and Hank Stram.

CBS Radio NFL Network 09/04/96 (http://www.cbsradio.com)

550	WDUN-GA	800	KAGH-AR	1150	KCPS-IA	1320	WGET-PA	1450	WGNC-NC
	KBOW-MT		WCHA-PA		KSAL-KS		WFHR-WI		WKXL-NH
560	WQAM-FL	810	WJFQ-WI		KSEN-MT	1330	WTRK-MI		WFPG-NJ
	WHYN-MA	820	WNZE-FL		KAGO-OR		KGAK-NM		KRZY-NM
567	KGUM-GU	830	WCCO-MN		WTAW-TX		KOVE-WY		KGFF-OK
570	WTEM-DC	850	WEAT-FL		WHBY-WI	1340	KKTR-CA		WDAD-PA
580	WGAC-GA		WRUF-FL	1160	KSL-UT		WBGH-KY		WFRA-PA
	WIBW-KS		WEEI-MA	1170	WACV-AL		WBRK-MA		WMAJ-PA
	WTAG-MA		WEEU-PA		KJOC-IA		KDLM-MN		KAYC-TX
590	KTHO-CA	860	KPUG-KS		KPUG-WA		KCAP-MT		KSGI-UT
	KCSJ-CO		WSON-KY	1180	WHAM-NY		WENT-NY		WDLB-WI
	WKZO-MI	870	WWL-LA	1200	WOAI-TX		WSTV-OH		WRCO-WI
	KFNS-MO		KPRM-MN	1210	WGMP-PA		WWPA-PA	1460	KENO-NV
	KUGN-OR		WHCU-NY		KREW-WA		WHAP-VA		WBNS-OH
	KLBJ-TX	900	WEAS-GA	1220	WKNR-OH		WLDY-WI		WACO-TX
	WLVA-VA		WCPA-PA	1230	KINO-AZ	1350	WIOU-IN		KNTS-TX
600	KIIX-CO	910	KBLG-MT		KXO-CA	1480	WSMB-LA	1480	KRAE-WY
	WREC-TN		WGBI-PA		WHOP-KY	1360	WAOZ-OH	1490	KYCA-AZ
	KROD-TX		WSBA-PA		KTRF-MN		KOHU-OR		KRKC-CA
	KTBB-TX		KJJQ-SD		KXLO-MT		WPPA-PA		WDAN-IL
610	KARV-AR		WJCV-TN		KDIX-ND		WVRQ-WI		WZOE-IL
	KDAL-MN		WRVH-VA		KWSN-SD	1370	KPCO-CA		WKBV-IN
	WRFX-NC	920	KARN-AR		KSIX-TX		WSPD-OH		WBEX-OH
	WGR-NH		WMEL-FL		WXCO-WI		WDEF-TN		WESB-PA
	KONA-WA		KCPL-PA	1240	KJAA-AZ		KFRO-TX		WLPA-PA
620	KTAR-AZ	930	KIUP-CO		KLOA-CA	1380	WABH-NY	1510	WLAC-TN
	WTRP-GA		WNZS-FL		KNRY-CA		KOTA-SD	1520	WLUV-IL
	WZON-ME		KSEI-ID		KSMA-CA	1390	KNCK-KS		KFXR-OR
	WHEN-NY		WTAD-IL		WTAX-IL		KRRZ-ND	1560	KNZR-CA
	WTMJ-WI		WFMD-MD		WHBU-IN		WRTK-OH	1570	WKBH-WI
630	KJNO-AK		WSLI-MS		KIUL-KS		WXTX-SC	1590	WPSL-FL
	WLAP-KY		WBEN-NY		WJEJ-MD	1400	KTUC-AZ		WIFN-MI
	WPRO-RI		WSEV-TN		KFMO-MO		KUKI-CA		WCSL-NC
640	WWLS-OK	950	KKFN-CO		WJTN-NY		WDWS-IL		KGAS-TX
660	WFAN-CT		WWJ-MI		WBBW-OH	1600	WBAT-IN		KYGO-CO
	WFAN-CT		WIBX-NY		WHIZ-OH		KVOE-KS		WCWC-WI
	WFAN-CT		WSPA-SC		KKAJ-OK		WIDE-ME		
	WFAN-CT	960	WRFC-GA		WOON-RI		WSJM-MI	92.7	WDUX-WI
	WFAN-NY		KZIM-MO		KCCR-SD		KFRU-MO	93.1	WMMN-WV
670	KPUA-HI		WKVX-OH		WOMT-WI		KQDJ-ND	93.5	KKBN-CA
	KBOI-ID		WFIR-VA	1250	WGL-IN		KTEM-TX	93.9	WDOR-WI
680	KNBR-CA	970	KIAK-AK	1260	WNDE-IN		WATW-WI	94.1	WAAV-NC
	WCNN-GA		WAMD-MD		KKSA-TX		WDUZ-WI	95.7	WLRX-IN
	WDBC-MI		WFUN-OH		WWIS-WI	1410	KQAM-KS		WCKK-KY
	WPTF-NC		KTRW-WA	1270	WCBC-MD		WELM-NY	96.5	WWJQ-GA
700	KBYR-AK	980	KINS-CA		KWEB-MN		WING-OH	96.7	WVNC-NY
710	KGNC-TX		KMBZ-MO		KPLY-NV		KQV-PA	98.3	WVIN-NY
	KURV-TX		WAAV-NC		KBAM-WA	1420	WRCC-GA	98.5	WLXC-SC
	WFNR-VA		WILK-PA		WRJC-WI		WIMS-IN	99.9	KHST-MO
	KIRO-WA	990	KSVP-NM	1280	WSAT-NC		KPEL-LA	100.1	WNIR-OH
720	WGN-IL		WTIG-OH		WHTK-NY	1430	KQLL-OK	100.3	KWMQ-AR

730	KWOA-MN	1000	WVWI-VI	1290	KGVO-MT		WVAM-PA	100.7	WBNK-VA
	WOHS-NC	1050	WWIC-AL		KIVY-TX	1440	KMLB-LA	101.1	WUPY-MI
	KULE-WA		WTKA-MI		WVOW-WV		WMAX-MI	101.7	KARN-AR
740	WWNZ-FL		WLON-NC	1300	KVOR-CO		WRGM-OH	102.5	WYIQ-GA
	KCMC-TX	1060	KPAY-CA		KGLO-IA		WAJR-WV	103.9	KNUC-UT
	KTRH-TX	1070	KNX-CA		WOOD-MI	1450	WTKI-AL	104.5	KWXE-AR
	WRNR-WV		WKOK-PA		WQBK-NY		KGVI-CO		WQKT-OH
760	KFMB-CA		WINA-VA	1310	KNOX-ND		WILM-DE	104.9	KAGH-AR
	KGU-HI	1090	WBAL-MD		WGH-VA		WWJB-FL		KNFL-UT
	KTKR-TX	1100	KZZZ-CO		WIBA-WI		WMVG-GA	105.5	WNFP-AL
790	WWKY-KY	1110	KAOI-HI	1320	KWHN-AR		WAOV-IN	106.9	KHLB-TX
	KFGO-ND	1120	KMOX-MO		WTCK-NC		WHTC-MI	107.1	WDOH-OH
	WAEB-PA	1140	KHTK-CA		KXOL-OK		KBUN-MN	107.3	WKOK-PA
	KFYO-TX	1150	WSPZ-AL		WGET-PA		KMSL-MT	107.7	KPEL-LA

Buffalo Bills 1996 (09/04/96) Van Miller, John Murphy (http://www.wben.com/bills.htm)

570	WSYR-NY	1100	WPIE-NY	1240	WJTN-PA	1380	WABH-NY	1450	WODZ-NY
590	CJCL-ON	1140	WATN-NY	1260	WRIE-PA	1410	WDOE-NY	680	WINR-NY
	WCJW-NY	1300	WQBK-NY		WELM-NY	93.3	WWSE-PA	930	WBEN-NY
1180	WHAM-NY	1330	WSPQ-NY	1420	WACK-NY	95.7	WPIG-PA		

Visit to Kintronic Laboratories, Inc.

by Kermil Goary

DXers were intrigued by the issuance of a license by the FCC for an experimental station to operate at Bluff City, TN, on 1680 kHz in the expanded broadcast band (see "AM Switch"; *DX News*, Vol. 63, No. 7). No call letters were assigned. The licensee was subsequently identified by our "Musings" editor, Dave Schmidt, as Kintronic Laboratories, Inc., a manufacturer of broadcast equipment. Reception of an open carrier on 1680 kHz was reported sporadically by NRC members, but no positive identification was made.

On the evening of February 22, 1996, the writer picked up a powerful carrier on 1680 kHz that continued throughout the night into the following morning. A 1000-Hz tone was subsequently transmitted. The signal was still being received at an S-7 level as late as 11:10 A.M. on February 23rd, a good indication of the DX possibilities when the expanded band becomes fully populated. No identification was transmitted, and the signal was off the air by the following evening. A report was sent to Kintronic Laboratories, but no reply was received to the request for information about the station and possible confirmation of my reception.

On a trip through eastern Tennessee on June 24th, the writer decided to make a personal visit to Kintronic Labs to inquire about the station. After I passed Pleasant Grove Road in Bluff City, the winding country road to #144 continued for about 4 miles, close to a junction with Tenn. Route 358 south of Bristol. Here, I found a rambling single-level, white building in a gently sloping field, with a guyed vertical tower on one side. Upon telling the receptionist that I wished to talk with

someone about their experimental radio station, I was introduced to Mr. Bobby L. Cox, an enthusiastic young engineer with a PhD in Electrical Engineering. He, in turn, took me to meet Mr. Tom F. King, the president and founder of Kintronic Laboratories, from whom the name is derived (dropping the "g").

I was immediately recognized as a reporter of their test broadcast, and Mr. King pulled my letter from a stack of papers behind him. I was informed that it was really their station that I heard, and a letter of verification was issued on the spot. The power was confirmed as 400 w. The test that I heard was transmitted from a 150-ft. tower and was conducted to compare the radiating efficiency of a base-insulated radiator and a skirt-fed folded unipole grounded radiator, each with 3 ground system configurations.

I was given a copy of the paper by Dr. Cox et al, "An Efficiency Comparison: AM/Medium Wave Series-Fed vs. Skirt-Fed Radiators", which reported the results of their tests. The paper was presented at the NAB Engineering Conference on April 16, 1996. It was concluded that "no major differences in field strength between the folded unipole and series-fed test cases were found for any of the configurations tested". The tower has since been shortened to 100 ft. and the station has seen little use since the completion of the tests. No information had been received from the FCC concerning future authorization of the station when the expanded band becomes fully operational.

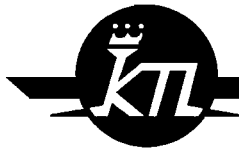
The writer was treated to an extensive tour of the manufacturing and test facilities, including the construction of huge antenna

coupling coils, switching apparatus for directional arrays, and a variety of equipment pertaining to transmitting antennas. Much of the massive components was designed for use in superpower transmitters such as those are used overseas.

When I visited the experimental station's antenna, the concept of an insulated skirt of radiating wires around the vertical tower was described to me. This was reminiscent of the widely-acclaimed fir pole antenna with attached vertical wave radiator that was pioneered by KONP-1450, Port Angeles, Wash, and was heard nationwide by DXers 50 years ago with a power of 250 w. The efficiency of an elevated ground system was also tested by Kintronic Labs. A similar

ground system, as the result of conflict with the owner of the land surrounding the antenna towers, was recently employed by WWJZ-640, Mount Holly, N.J.

Dr. Cox and his associate expressed considerable interest in my copy of the new M Street Radio Directory, particularly in the section of Former Call Letters. They thought that it would be helpful in tracing Kintronic equipment in use by present stations but filed in their records under the old calls. A copy of a back issue of *DX News* was left with Dr. Cox. This visit showed that Kintronic Laboratories is most friendly and gracious, even though they had failed to reply to my reception report. Furthermore, it resulted in a rare verie from an unusual radio station, a copy of which accompanies this report.



KINTRONIC LABORATORIES INC.

P.O. Box 845

Bristol, TN 37621-0845

Fax: (423) 878-4224

E-Mail: ktt@kintronic.com

Phone: (423) 878-3141

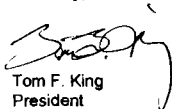
June 24, 1996

MR. KERMIT GEARY
1286 RIVERVIEW DRIVE
WALNUTPORT, PA 18088

Dear Mr. Geary:

This letter verifies your reception of the FCC-licensed experimental radio station operated by Kintronic Laboratories, Incorporated in Bluff City, Tennessee between 8:55PM EST on Thursday, February 22nd and 11:10 AM on Friday, February 23rd. At the time you received our transmission, the station was operating at 400 watts on 1880khz in the expanded band.

Sincerely,


Tom F. King
President

Station Profile

A special feature about a unique station

A special profile of KLJG-1610, Davenport, IA

by Chris Cuomo

Most colleges and universities have some sort of radio station, and so do many high schools. So what about an elementary school?

Hen Krumweide, principal of Garfield Elementary School in Davenport, Iowa, thought so. Krumweide envisioned that a school radio station could be a valuable educational tool to his sixth grade class. He sought out sponsors, and three of them became the basis of the school's station's callsign: KRVR Radio "The River", Lunardi's Restaurant, and Junior Achievement. KLJG was named by the students after these sponsors and for Garfield School.

Students sell advertising (for just 25 cents per spot) and write up sales agreements with sponsors. The station features classical music, selections chosen by the students in the best free-form tradition! The daily pledge of allegiance begins each broadcast day and is received on radios located in each classroom. Students' parents are notified when their child will be reading the pledge so that they can tape the broadcast.

The station caught the attention of the local newspapers, which featured articles detailing the exploits of the Quad Cities' newest radio station. Amway also took notice, and the station was featured in a full-page advertisement that appeared in *Newsweek* and other publications.

KRVR radio provided technical assistance in setting the station up, installing the longwire antenna on the school's roof, providing the half-watt transmitter, a Precision instruments

Tony Fitzherbert
356 Jackman Avenue
Fairfield, CT 06430-1728

model. The studios fit nicely into a small closet on the first floor of the building. Music is played on CDs and commercials are played on cassettes. All studio equipment was purchased at a local Radio Shack.

The station debuted on August 31, 1993, the first day of the '93-'94 school year. Later, changes in the school district involved shifting sixth graders to a middle school and Ken Krumweide accepted a new position. Today, the station is operated by the school's fifth grade class, and teacher Joanne Hoogland is in charge of the station. Mrs. Hoogland graciously showed me the station when I dropped by on my way home from the 1995 NRC convention.



KLJG was named by the students. The letters stand for our business partners who originated the idea for the station.

K = KRVR Radio

L = Lunardi's Restaurant

J = Junior Theater Junior Achievement

G = Garfield School

Broadcasting Live every school day

8:00 - 8:20am
12:30 - 12:50pm
2:55 - 3:10pm

Classical music is played during the other on-air hours.
Operated completely by students

The following is a list of the positions the students hold at



- General Managers
- General Manager Associates
- Sales Managers
- Sales Associates
- Office Managers
- Office Associates
- Program Directors
- Program Associates

KLJG Radio is pleased to recognize the students who hold the above positions.
All of their work means earlier mornings, shorter lunches, and fewer recesses.



Dear Stakeholders:

The KLJG Radio Station encourages everyone to become involved through:

- Announcements
- Advertisements
- Interviews
- Special Guests

Questions or suggestions are always appreciated!

You may contact KLJG

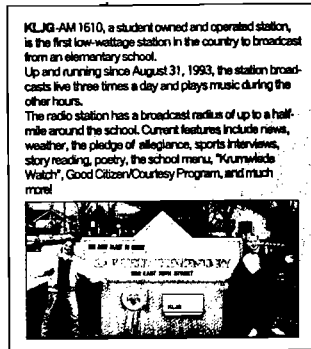
by writing to:

KLJG RADIO
GARFIELD SCHOOL
GENERAL MANAGER
902 EAST 29TH STREET
DAVENPORT IA 52803

Or by phone:

- GARFIELD SCHOOL
- MRS. FOLEY (TEACHER)
- MRS. HOOGLAND (TEACHER)
- MR. KRUMWIEDE (PRINCIPAL)

322-1922



KLJG-AM 1610, a student owned and operated station, is the first low-wattage station in the country to broadcast from an elementary school.
Up and running since August 31, 1993, the station broadcasts live three times a day and plays music during the other hours.
The radio station has a broadcast radius of up to a half-mile around the school. Current features include news, weather, the pledge of allegiance, sports interviews, story reading, poetry, the school menu, "Krumweide Watch", Good Citizen/Courtesy Program, and much more!