

October 29, 1994 - Volume 32 - Number 7 - Edition 1033 - ISSN 0899-9732 REJOIN: Al Buckalew San Francisco CA, Tom Messer River Falls WI. RENEW: Stephen Schreiter South Milwaukee WI, Bill Block Portland OR, Dr Jean Burnell St John's Newfoundland, Harold Waldron Sarver PA. Welcome back to Al and Tom. Thank you all without you there is zip...... \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* IN THIS ISSUE: DX Test..2, Broadcasting Information..3, DX Worldwide West..5, DX Worldwide East..11, Western DX Roundup..12, Central DX Rou ndup..14, Eastern DX Roundup..16, Western DX Forum..17, Eastern DX Forum..18. Being held is the last page of DX Worldwide II and several of Mark Connelly's 'Your First 50 Trans-Atlantic Countries' pages. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* THE 1995 IRCA CONVENTION: The 1995 Convention will be July 14-15-16 in Boise, Idaho. The bid has been approved by the IRCA Board of Directors, and no other bids were received by the October 15 deadline. Per Article VIII of the IRCA Bylaws, this bid is approved as the convention site without an election. More information later..Bill Hardy, President UNIVERSAL RADIO: The have a new expanded Communications Catalog #94-10. it is a 108 pages. Several new items are premiering in this catalog. This catalog is free by 4th class mail, or for \$1 by first class mail. It is also available outside North America for four IRC's. You can get your catalog by writing: Univeral Radio 6830 Americana Pkwy Reynoldsburg, Ohio 43068 USA. Tell them you read about it in the IRCA DXM. \*\*\*\*\*\*\*\*\*\*\*\*\*\* IRCA REPRINTS: A list from: Steve Ratzlaff 1885 East Bayshore Road #90 East Palo Alto CA 94303. Drop Steve a note for the list. Good info. IRCA BOOKSTORE: 9705 Mary NW Seattle WA 98117. Send for a flyer it has lots of stuff: Almanac, New Mexican Log, Technical Guide and more. FROM THE PUBLIHERS DESK: All Editors please read: You can change your margin at the bottom of your column to 1 1/4-1 3/8 from 1 5/8-1 3/4 it will get you a few more lines. On the subject of bottom margins some of you editors are leaving way to much space at the bottom when you have more than one page. Please try to correct this big nit pick for me, it will help. PUBLISHERS JOB: No one has come forth to take over the job of publishing, there is a maybe. There is 27 issues remaining in Volume 32 for someone to step forward and take over the job. This really is my last volume that I am going to publish......



### DX TEST BULLETIN

\* DX TESTS ARRANGED BY IRCA AND NRC \*

SATURDAY, OCTOBER 29, 1994 - WGET-1320, P.O. BOX 280, GETTESBURG, PA 17325 WILL CONDUCT A DX TEST BETWEEN 12:30 & 1:00 AM EDT AT A POWER OF 500 WATTS. THE TEST WILL INCLUDE MORSE CODE ID'S, IEST TONES, AND VOICE ID'S, RECEPTION REPORTS MAY BE SENT TO: MR. LARRY ANGLE. (ARRANGED BY THE SRC CPC)

SUNDAY, OCTOBER 30, 1994 - KEAS-1590, P.O. BOX 590, EASTLAND, TX 76448 WILL CONDUCT A DX TEST BETWEEN 4:00 & 4:30 AM EST. THE TEST WILL INCLUDE VOICE ID'S AND POSSIBLY MORSE CODE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. DAN STAGAS. (ARRANGED BY THE NRC CPC)

MONDAY, OCTOBER 31, 1994 - KOIL-1180, 1001 FARNAM STREET, OMAHA, NE 68102 WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:30 AM EST. THE TEST WILL INCLUDE MORSE CODE, TEST TONES, VOICE ID'S, AND A MIXTURE OF POLKAS & BIG BAND MUSIC. POWER WILL BE 25 KW. RECEPTION REPORTS MAY BE SENT TO: MR. ALLEN SHERRILL - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, OCTOBER 31, 1994 - RADIO VISION CRISTIANA-535, SOUTH CAICOS, TURKS AND CAICOS ISLANDS WILL CONDUCT A DX TEST BETWEEN 2:00 & 4:00 AM EST. THE TEST WILL INCLUDE BOTH CONTEMPORARY AND JAZZ MUSIC, MORSE CODE, TEST TONES, AND VOICE ID'S. POWER WILL BE 100 KW. RECEPTION REPORTS MAY BE SENT TO: MR. BOB JANNEY (KA4NYO) - CHIEF ENGINEER, c/o WWRV-AM, P.O. BOX 2908, PATERSON, NJ 07509-2908, (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, OCTOBER 31, 1994 - KSDO-1130, 5050 MURPHY CANYON ROAD, SAN DIEGO, CA 92123 WILL CONDUCT A DX TEST BETWEEN 3:00 & 3:30 AM EST. THE TEST WILL INCLUDE MORSE CODE AND VOICE ID'S. POWER WILL BE 10 KW. RECEPTION REPORTS MAY BE SENT TO: MR. JACK RABELL - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

NOVEMBER 1-30, 1994 - CISB-540, 1504 MERIVALE ROAD, OTTAWA, ON K2E 625, CANADA WILL CONDUCT A DX TEST EVERY DAY AND NIGHT DURING THE MONTH OF NOVEMBER. CISB WILL INSERT MORSE CODE ID'S DURING THIER REGULAR ROCK FORMAT PROGRAMMING, AND THIS WILL RUN 24 HOURS PER DAY. THIS WILL RUN UNTIL CISB LEAVES THE AIR. WHICH, ACCORDING TO CISB'S ENGINEER, WILL BE MID-DECEMBER. RECEPTION REPORTS MAY BE SENT TO: MR. JEFF RUCK - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, NOVEMBER 7, 1994 - WVLD-1450, 1000 WEST GORDON STREET, VALDOSTA, GA 31601 WILL CONDUCT A DX TEST BETWEEN 12:00 & 5:00 AM EST. THE TEST WILL INCLUDE MORSE CODE, TEST TONES, AND VOICE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. TOM MOOG - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, NOVEMBER 7, 1994 - KYCA-1490, 600 6TH STREET, PRESCOTT, AZ 86301 WILL CONDUCT A DX TEST BETWEEN 2:30 & 3:00 AM EST. THE TEST WILL INCLUDE MORSE CODE, TEST TONES, AND VOICE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. AL HARTZELL (N7UKQ) - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, NOVEMBER 14, 1994 - WGNY-1200, P.O. BOX 2307, NEWBURGH, NY 12550 WILL CONDUCT A DX TEST BETWEEN 12:00 & 12:30 AM EST. THE TEST WILL INCLUDE TEST TONES AND MORSE CODE ID'S. RECEPTION POWER WILL BE 10 KW USING A NON-DIRECTIONAL ANTENNA PATTERN, REPORTS MAY BE SENT TO: MR. SHAWN C. MCGRATH - OPERATIONS ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, NOVEMBER 21, 1994 - KDDD-800, P.O. BOX 555, DUMAS, TX 79029 WILL CONDUCT A DX TEST BETWEEN 1:30 & 2:00 AM EST. THE TEST WILL INCLUDE TEST TONES AND MORSE CODE ID'S. RECEPTION REPORTS MAY BE SENT TO: MR. GRANVILLE MURPHY (W50VD) - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, NOVEMBER 21, 1994 - WFRM-600, BOX 309, COUDERSPORT, PA 16915 WILL CONDUCT A SPECIAL DX TEST BETWEEN 2:00 & 2:30 AM EST. THE TEST WILL INCLUDE MARCH MUSIC, VOICE ID'S, AND MORSE CODE ID'S. THIS TEST WILL BE SIMULCAST ON WTRN-1310, TYRONE, PA, WFRM-FM 96.7 (COUDERSPORT), AND WGMR-FM 101.1 (TYRONE). SPECIAL THANKS TO WFRM GENERAL MANAGER AND IRCA MEMBER CARY SIMPSON FOR HIS HELP IN ARRANGING THIS TEST. RECEPTION REPORTS MAY BE SENT TO: MR. ROBERT LYNN-CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, NOVEMBER 21, 1994 - WTRN-1340, BOX 247, TYRONE, PA 16686 WILL CONDUCT A SPECIAL DX TEST BETWEEN 2:00 & 2:30 AM EST. THE TEST WILL INCLUDE MARCH MUSIC, VOICE ID'S, AND MORSE CODE ID'S. THIS TEST WILL BE SIMULCAST ON WERM-600, COUDERSPORT, PA, WERM-FM 96.7 (COUDERSPORT), NO WERM-600 IO:1 (TYRONE). SPECIAL THANKS TO WTRN GENERAL MANAGER AND IRCA MEMBER CARY SIMPSON FOR HIS HELP IN ARRANGING THIS TEST. RECEPTION REPORTS MAY BE SENT TO: MR. ROBERT LYNN-CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

MONDAY, NOVEMBER 28, 1994 - CJGX-940, 120 SMITH STREET EAST, 4TH FLOOR, YORKTON, SK S3N 3V3, CANADA WILL CONDUCT A DX TEST BETWEEN 1:00 & 1:30 AM EST. THE TEST WILL INCLUDE TEST TONES, VOICE ID'S, MORSE CODE ID'S, AND COUNTRY MUSIC. POWER WILL BE 10 KW USING A NONDIRECTIONAL ANTENNA PATTERN, RECEPTION REPORTS MAY BE SENT TO: MR. KELLY OSMAK - CHIEF ENGINEER. (ARRANGED BY J.D. STEPHENS FOR THE IRCA CPC)

## BROADCASTING ( INFORMATION



Editor: Robert Wien 1309 Dentwood Drive San Jose, CA 95118

DEADLINES: 2nd & 4th Saturdays. Compiled: 10/15/94 Much of this information was compiled from M Street Journal , DXM, and various other sources.

#### CONSTRUCTION PERMIT ACTIVITY:

LA. Lake Providence KLPL-1050 decreases to 190-D

#### FACILITY & PARAMETER APPLICATIONS:

FL. Mount Dora WBGB-1580 decrease to 3500/35 IA. Denison KDSN-1530 13-N

#### FACILITY & PARAMETER GRANTS:

OH. Youngstown WHOT-1390 decrease to 4200-N

#### CALL LETTER CHANGES:

CA.	Eureka	KRED-1480	becomes KTM	A "Team"
	San Rafael	KTID-1510	becomes KKH	I
	Ventura	KBBY-1590	becomes KAH	S "Radio Aahs"
FL.	Ft. Walton Beach	WNUE-1400	becomes WFA	V "Favorites"
	Largo		becomes WNZ	
	South Miami	WMRZ-790	requests WA	XY
MA.	Worcester	WVEI-1440	becomes WWT	M "Team"
OH.	Akron	WSLR-1350	becomes WTO	U "The Touch"
·TN.	Knoxville	WZEZ-1240	becomes WEZ	K
AB.	Wetaskawin	CJ0I-1440	becomes CKJ	R

#### FORMAT CHANGES:

AL.	Florence	WSBM-1340	was urban AC, adds ABC -Joyner
AZ.	Sierra Vista	KNXN-1460	was CHR, talk, adds MC1 CHR
CA.	Eureka	KTMA-1480	was KRED, country, now JSN Team Sports
	Mojave	KVOY-1340	was stds., talk, adds SMN Standards
	Ventura	KAHS-1590	was KBBY, silent, now Children's "Radio
			Aahs"
co.	Glenwood Spri	ngs KGLN-980	was WW1 stds., now WW1 oldies
	Newark		was stds., talk, now SMN oldies
FL.	Fort Pierce	WIRA-1400	was sports, adds JSN Team Sports
	Tampa	WDAE-1250	was country, now gold AC//FM
LA.	Ferriday	KFNV-1600	was gospel, country, now silent
MN.	Moorhead	KV0X-1280	was SMN country, now SMN stds.
MS.	Jackson	WKXI-1300	was urban AC//FM, adds ABC-Joyner
MO.	Lebanon	KLWT-1230	was classic country, adds talk/sports
			(ASN, Blanquita Cullum, WW1)
MT.	Bozeman	KOBB-1230	was oldies, adds WWl oldies
NJ.	Mount Holly		was silent, now AS
OH.	Lancaster	-WLOH-1320	was AC, adds SMN AC
PA.	Mount Pocono	WPMR-960	was rock//FM, now silent
	Philadelphia	WGMP-1210	was sports, adds ESPN Sports Babe
SC.	Sumter	WSSC-1340	was nx, talk, adds Blanquita Cullum
TN.	Clarksville	WDXN-540	was country, now nx/talk/sports (PRN,
			ABC, NBC, Sports By-Line)

#### FORMAT CHANGES (CONT.):

	Onley Ephrata		was AC//FM, adds WW1 AC was country//FM, now nx/talk (V CNN Headline nx, WW1, CBS)	NW1
WV.	Beckley	WWNR-620	was talk, adds Blanquita Cullur	n
		KKTY-1470	was country//FM, adds JSN Count	try
PO.	Chicoutimi	CJMT-1420	was full service, now silent	
	Gatineau	CJRC-1150	was nx, talk, now silent	
	Hu11	CKCH-970	was nx, talk, now silent	
	Montreal	CKLM-1570	was oldies, now silent	
		CJMS-1280	was nx, talk, now silent	
	Quebec City	CJRP-1060	was nx, talk, now silent	
	Saint-Jerome	CJER-900	was AC, now silent	
	Saint-Jovite	CKSJ-1400	was AC//CJER, now silent	
	Sherbrooke	CJRS-1510	was nx, talk, now silent	
	St. Agathe-des-	CJSA-1230	was AC//CJER, now silent	
	Monts			
	Trois-Rivieres	CJTR-1140	was nx, talk, now silent	

Pete Taylor of San Francisco, CA. confirms the information listed earlier on KTMA-1480 CA.

Shawn Axelrod of Winnipeg, MB. confirms much of the above information on the silent Quebec stations, in addition to below:

BC.	Chetwynd	CBUZ-1170	applie	es t	o go da	rk					
PQ.	Mont Laurier	CFLO-610	will c	go t	0 104.7	FM	and	go	silent	on	AM
	L'Annociation	CKLO-1490	will c	go t	0 101.9	FM	and	go	silent	on	AM

Thanks, Shawn and Pete. The Quebec stations are going silent due to a merger between Telemedia and RadioMutuel of Quebec, and many of the AM stations are going dark.

That's about it, it's getting dark early in the morning now! Just 2 more weeks till switch to Standard time, cx are getting good of late! 73's.

### IRCA BOOKSTORE

International Radio Club of America publishes several items which are available from the IRCA Bookstore.

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

This 240 page book is a must have cross reference for the serious AM DXer. Within it you will find the current frequency check list, affiliates for news and talk show networks, syndicated music and religious programs, AM-FM simulcasts, station slogans, broadcasting in Canada, AM stereo, sports networks, utility stations and many articles on AM broadcasting. In addition, the fifth edition contains a section focusing on AM band foreign DXing (including a compressed IRCA Foreign DX Reference). Each list is in frequency order and many include the FM frequencies as well as the AM (great for FM DXers). IRCA AM-FM Almanac is available loose leaf or comb bound (please specify). Prices are:

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

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

Updater 5.1 - Almanac index, AM slogans. Updater 5.2 - Satellite Music Network, Unistar/Transtar, talk updates, BRN, 1991 Basehall. Updater, 5.3 - updated NTL and college football, NHL Hockey, 530/1610 TIS/Highway Radio update, Rush Limbaugh. Updater, 5.4 - updated NBA and college baskehall, APC-PUPI-USA network lists, ESPN-SEN Sports talk lists, Canadian Music networks and more. Updater, 5.5 - 1992 baseball, Spanish networks, Interstate Radio Network and AM Slogan list updates

Each IRCA AM-FM Almanac, 5th Edition 1991 Updater is 20 pages. Price \$2.00 US and Canada, \$3.00 elsewhere. [NOTE: IRCA Almanac (third and fourth editions) are still available for \$5.00 (overseas airmail add \$2.50)]

#### A DXers TECHNICAL GUIDE

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

#### IRCA Reprints

The IRCA maintains a large file of articles which have appeared in past issues of DX Monitor. These articles cover a wide variety of tropics, including: antenna theory and construction, tips for the foreign BCB DXer, how to improve your DXing skills, history of DXing and broadcasting, lists of stations by subject, construction projects and receiver modification, receiver reviews, medium wave propagation, and more. Copies are available for a nominal charge. For a list of reprints, send \$1.00 to:

IRCA Reprints. c/o Steve Ratzlaff, 1885 E Bayshore Rd Sp 90, E Palo Alto CA 94303.



PRT MARTIN P.O. ROX 843 SERSIDE, OR 97138

## **DX Worldwide - West**

Time: UTC phone (503) 861-3185

DEADLINE: MONDAYS

A great turnout this week with reports from Shawn Axelrod, Larry Godwin, Harry Helms, Gary Jackson, and Nick Hall-Patch. Thanks guys for the support. With the strong solor storm on October 3rd, TP conditions died off a lot, but are slowly coming back. Most of the Northern TPs (Korea, Russia, etc) were gone, leaving some more Southerly TPs like Chinese and Filipinos. The last couple mornings 15th and 16th, Northern CX seem to be back on the reboard. Received a lice letter from Olle Alm-Sweden. He mentions of no knowledge of a Siberian Russian on 873 Khz, so it must be new. He has logged Vietnam on 1122.5 Khz of late, so maybe that is possible from the West Coast. He goes on to mention that the WRTH people are in Russia now getting info for the 95 WRTH. With DX from all three areas this week, let start with the reports.

#### TRANS-ATLANTIC DX ROUNDUP

- tNORWAY, Kvitsoy-First noted this season 9/20 0410 w/good het 1314 traces of man talking vy 0429. Het appeared each night until 9/25 when it showed as early as 0237 w/big het and poor signals mx and talk, mostly buried in splash. Only a het on 9/26 then not hrd again until 10/2 when it was mostly a het in spite of another of other hets (1602,1584,1422,1251, 1107, 1017.855.846.774.675.639, and 531) and audio traces on 1611 Khz. (NHP-BC)
- UNID, First noted as a het at 0330 9/25, when 1314 was the only other carrier. Then noted with man talking at weak signal 0324 10/2, language not IDed. Strangely, this was the most readable station during this TA opening, perhaps due to relative lack of splatter on the channel. Anyone other that the Vatican here? (NHP-BC) (Not than I know of. I have hrd that The Vatican has boosted power to 100KW of late.PM)

#### PAN-AMERICAN DX ROUNDUP

- BAHAMAS, Stella Maris "ZLS" 0345 10/2, After tentatively 526 hearing Vatican on 1611, went to 526 on the chance that there was TA action there as well. There was a carrier, but it turned out to be this beacon, poor in QRN, but very welcome. (NHP-BC)
- UNID, Het only on 10/1 at 0210-Fair to poor(SA-MB) 555
- 705 UNID, Het only 10/1 0255-poor (SA-MB)
- MEXICO, UNID gave TC as 0600 after NA at 1200 9/28 (LG-MT) 720
- MEXICO, Nogales-XENY with "Radio Geny" ID at 0300 10/12. 760 After program for the loteria nacional called "Noches de
  - Buena Suerte" (nights of good luck) (LG-MT)
    MEXICO, Cd. Juarez-XEROK "Radio Canon" with NA and ID at
- 800 1200 10/7. Station is AN but like most (if not all)XEs
- plays NA around 0600 LT. (LG-MT) MEXICO, Guadalajara with vocal NA, and clear ID as "XEBA 820
- La consentida" at 1201 10/10. Ment. 24 hrs. (LG-MT) MEXICO, Zacatecas-XELK 10/1 0210-fair YL in SS talk,mentions
- 830
- of var. Mexican cities, then XELK ID o/u WCCO-New. (SA-MB) MEXICO, UNID-weak but on top at 0259 10/11, with reasonably 870 clear 5-letter ID that sounded like "XETFR or XETSR. Don't
  - believe it was listed XETAR. Help! (LG-MT)

MEXICO, Xalpa, Zac. XEFP w/"Radio Alegria", jingle, ID and TC as 0610 at 1210 10/3. (LG-MT) MEXICO, Monterrey-XET w/Inst. NA, then call ID plus "la.... ???? libre....estrella de oro" at 1204 10/3. Certainly weak for listed 50KW. (LG-MT)

tMEXICO, Ensenada-seemed the one ment. this city during newscast at 1001 10/1. Gave clear ID as XEXX, not listed XEDX. Call change? (LG-MT)

1035 HAITI, Airspace-Radio Democratie-10/9 0144-fair to good man giving speech in Creole following formal sounding music. This one seemed to fade in and out in almost a regular pattern almost as if it mattered which way the plane was flying.(SA-MB)

tMEXICO, Nogales, Son. XEHN believed to be the one atop CKWX at 1130 0243-0300 10/8. On the hour, gave 2 clear IDs as "Radio Fiesta" then s/off anmt with vocal NA. WRTH 94 lists XEHN with this slogan and gives s/off time as 0300 during DST. Also this station was reported in DXM w/S/off at 0258 on 8/14/87. Only problem is that the new IRCA Mexican log says "Radio Fiesta" is XECHG, so I'm confued. Anyone clarify? (LG-MT) MEXICO, UNID w/NA, then rel. pgm at 1258 10/3. CKWX weak (LG)

#### TRANS-PACIFIC DX ROUNDUP

540

558

567

576

531 AUSTRALIA, West Kempsey-2MC-fair in splat(530) with pop mx and 2MC ID at 1404 10/14. (PM-OR) JAPAN, Morioka-JOQG-fair in splat w/YL in JJ, NHK1 net at 1420 10/15. (PM-OR)

 $t\underline{PHILIPPINES}$ , slight Filipino sounding talk u/JJ at 1425 on 10/13 too much JJ and splat to tell for sure. (PM-OR)

AUSTRALIA, Longreach-4QL-on top of KVIP with ABC news at 1400 on 10/11. (PM-OR) PHILIPPINES, Cebu City-DYRB, logged again with man in Filipino, ment. call letter twice in EE, but mostly Filipino talk, on

10/12 at 1415. (PM-OR)

tP.R. CHINA, possible CPBS station here with CC talk behind DYRB at 1417 10/12. (PM-OR) AUSTRALIA, Orange-2CR, //540 with ABC nx at 1401 on 10/11.(PM-OR) 549 RUSSIA, man in Russian all alone at 1435 on 10/16, some 550 splash. (PM-OR)

JAPAN, Kobe-JOCR- assumed the one here 10/1. Strong het 1329, separate with notch and 1.8 Khz filter, into quasi-disco mx and vocal at 1330. Male ancr in JJ at 1332, followed by female EE pop song. 1335 female in JJ, then male ancr until fade back into a het 1338. Who else could it be? (HH-CA)

(Must have been JOCR. PM)

+Also hrd 10/16 at 14!3 with JJ talk and JJ Pops. (DW-OR) PHILIPPINES, Manila-DZXL-10/14 at 1437 with man in Filipino, Filipino pops and fanfare of music "Super D-Z-X-L", back into Filipino talk, faded under JOCR and another Filipino. (PM-OR) tPHILIPPINES, Naga City-DWRP-prob. the one with Filipino talk o/u JOCR and DZXL at 1438 on 10/14. The only other Filipino listed on the freq. (PM-OR)

AUSTRALIA, Julia Creek-4JK fare o/JJ with ABC news at 1403 10/11. (PM-OR)

JAPAN, Sapporo-JOIK mixing with 4JK at 1403 10/11 with usual JJ talk. (PM-OR)

RUSSIA, Russian talk u/JOIK at 1415 10/16. Kysyl, Sib. is the only one listed w/50KW. (PM-OR)

JAPAN, Sapporo-JOIK-JJ in weakly at 1115 10/5. (GJ-CA) AUSTRALIA, Sydney-2RN, good with light Jazz mx at 1416 on 10 11. (PM-OR)

RUSSIA, Russian talk here in passing at 1350 on 10/16. (PM-OR) JAPAN, Kagoshima-JOHG-fair u/Russian with JJ talk //531 at 1351 10/16. (PM-OR)

585	JAPAN, Kushiro-JOPG 1332 9/21-Fair signals w/man in JJ //594 Khz. (NHP-BC)
504	RUSSIA, FS here with man in CC at 1353 10/16 (PM-OR) AUSTRALIA, Horsham-3WV-good with ABC Nx at 1404 10/11, way o/
594	JJ (PM-OR)
603	JAPAN, Tokyo-JOAK way u/3WV with JJ talk at 1404 10/11 (PM-OR) SOUTH KOREA, KK talk in passing at 1420 10/16 (PM-OR)
612	PHILIPPINES, UNID Filipino here with Basketball game in Filipino at 1417 on 10/14. (PM-OR)
	JAPAN, Fukuoka-JOLK fair u/Filipino w/JJ talk at 1418 10/14, Also sounded like a 3rd station in background. (PM-OR)
621	AUSTRALIA, Melbourne-3RN, fair in splat from KIPA-620 with Jazz at 1417 10/11 (PM-OR)
	RUSSIA, Russian talk 10/16 at 1420, in het. (PM-OR)
630	PHILIPPINES, Quezon City-DZMM, this is getting to be one of the most, reg. Filipinos, even tho it is on a domestic freq.
	hrd with woman ancr in Filipino, with DZMM ment. at 1425 on 10/14. I just wish they would verify. (PM-OR)
	tRUSSIA???, slight sounding Russian in the jumble at 1426 on
	10/14, soon domestics took over the freq. (PM-OR)
	AUSTRALIA, Townsville-4QN-good and on top of Domestics with ABC News at 1405 10/11. (PM-OR)
639	AUSTRALIA, Coffs Harbour-2CS with Rock mx and 2CS ID at 1405
	PHILIPPINES, Cadiz City-DYAG-good with Basketball game(?) and
	fast talking ancr in Filipino 10/15 at 1415, several ments of DYAG and Cadiz City, in for quite sometime. One of the
	most consistant Filipinos this season. (PM-OR)
648	AUSTRALIA, Tamworth- 2NU fair in 650 splat of ABC Nx at 1402
657	NORTH KOREA, quite strong with rough sounding ancr in KK at
	1435 on 10/16. (PM-OR) PHILIPPINES, UNID Filipino here in jumble 10/14 at 1419, but
666	soon lost. (PM-OR) AUSTRALIA, Canberra-2CN-good with woman ancr giving info on
	programming at 1406 10/11. (PM-OR)
	NEW CALEDONIA, Noumea-FRO presume the source of FF talk at 1350 on 10/12. I thought they were moving off MW? (PM-OR)
675	JAPAN, Osaka-JOBK good with man in JJ at 1410 10/16 (PM-OR)
675	AUSTRALIA, Corowa-2CO-good w/MOR at 1413 10/11. (PM-OR) tP.R.CHINA, CC talk at 1445 10/16. (PM-OR)
684	AUSTRALIA, Kempsey-2KP // 1414 10/11 with 675. (PM-OR)
693	JAPAN, Tokyo-JOAB, good with lang. lessons at 1409 10/13 (PM)
700	ALASKA, Anchorage-KBYR-0700 9/18 Fair signal dominating freq. man saying "This is Alaska's best10000 watt KBYR" (NHP-BC+)
702	AUSTRALIA, Sydney-2BL 10/1 1227, vy poor, sing in EE with talk with Aussie accent. New. (SA-MB) (Good catch, Shawn.PM)
	UNID, Het here 1200 10/5 (GJ-CA)
	UNID, station here in strange sounding lang, u/o JJ and others
711	at 1412 on 10/10, soon lost in jumble. (PM-OR) SOUTH KOREA, KK talk in passing at 1418 10/16 (PM-OR)
711 720	tINDONESIA???, Ambon- poss. Indo here with woman in Indo sound-
	lang. at 1435 10/15, o/u Filipino and Russian. (PM-OR) tPHILIPPINES, Cebu City-DYRC, poss. Filipino here u/o Russian
	and others at 1435 10/15. (PM-OR)
	RUSSIA, here in EE with World Service at 1400 10/7. (DW-OR)
729	PHILIPPINES, UNID Filipino here briefly with what sounded like another Basketball game, soon lost to splash at 1419 on
	10/12. (PM-OR)
	tINDIA??? Hindi sounding language here in jumble, Indian type
720	mx at 1434 on 10/12. (PM-OR)  JAPAN, Commercial station here w/JJ talk at 1409 10/16 (PM-OR)
738	TAIWAN, Kaohsuing-BEL2-fair with Miss. Wu again in Cantonese at 1430 on 10/12. (PM-OR)
	ac 1430 Oil 10/12. (FM-Oil)

747 P.R. CHINA OR TAIWAN, CC talk way under JOIB at 1429 on 10.16 (PM-OR) JAPAN, Sapporo-JOIB, one of the strongest signals I have ever hrd from an Asian. With the antenna direct in, was about 50DB o/S9. at 1356 on 10/16. with usual JJ lang. lessons. (PM-OR) 756 NEW ZEALAND, Auckland-1YA-good and alone of channel at 0730 on 10/11 with MOR mx and NZ ancr. (PM-OR) 765 JAPAN, JJ talk in passing at 1425 10/16 (PM-OR) 774 AUSTRALIA, Melbourne-3LO 10/1 1232 vy poor, man singing then accented EE ancr. (SA-MB) JAPAN, Akita-JOUB-by far the best TP of the season so far. Latest log at 1230 10/6 with lengthy talk in JJ by man blowing past 770 and 780 on HQ150 with selectivity wide open Someone East of Mississippi should be able to log this. (HH-CA) +In strong 1215 on 10/5. (GJ-CA) 783 RUSSIA, Good with man in RR at 1417 on 10/16. (PM-OR) 792 AUSTRALIA, Brisbane-4RN-in good //621,576 with light Jazz at 1417 10/11. (PM-OR) tNEPAL???, man in EE discussing the outbreak in India and other South and SE Asian stories 10/9 at 1449. (PM-OR) 801 AUSTRALIA, Sydney area-Italian Radio here with man in total Italian, no EE at 1420 10/11. New station in Sydney or Gosford area. 5KW I presume, as 2GO was. Not enough for a report, lots of KGO-splat. (PM-OR) 810 tRUSSIA, Russian talk under KGO at 1445 on 10/16. (PM-OR) 819 PHILIPPINES, UNID Filipino here with talk at 1423 on 10/12(PM) NORTH KOREA, Pyongyang-1210 9/18 Man and woman in KK, fair to poor //2850. (NHP-BC+) 828 JAPAN, Osaka-JOBB-10/2 1234 vy poor-man and woman in JJ talk new. (SA-MB) +Also at 1340 9/16 man talking in JJ just before EE lessons good signals. This has been the best JJ this season, even appearing briefly 1402 10/4 after the big Geo storm. (NHP-BC) 837 JAPAN, Niigata-JOQK-fair with man in JJ talk, slight KSWB splat at 1405 10/10 (PM-OR) 846 UNID, Jamming here 1340 10/9 strong and not hrd before, Didn't sound like N. Korean jammer. I have tape if anyone is interested. (HH-CA) ( I haven't caught any jamming here, but will continue to check. PM) UNID, at 1352 9/30 Laid back pop mx almost islands beat to it. fair to poor and looping South of 270 degrees. Does Kiribati ever run this late? (NHP-BC) (Yes, on occasion I believe they have run AN. PM) KIRIBATI, Tarawa-good in slight KSWB splat of Island mx and YL ancr in presumed Gilbestese at 0715 on 10/11. (PM-OR) 855 PHILIPPINES, Filipino talk here slightly above others in jumble at 1430 on 10/12 (PM-OR) KOREA, presume North with KK talk in Filipino jumble at 1431 10/12. (PM-OR) KOREA, some KK talk above Growl at 1450 on 10/16. (PM-OR) 864 tJAPAN, Kumomoto-JOGB-with what appeared to be NHP Pips at 1300 873 9/28, weak. (LG-MT) RUSSIA, UNID Siberian(presumed), Mayak program here with Russian pops and Midnight in Moscow IS at 1330 on 10/16. According to Olle Alm in Sweden, he knows of no Siberian (FE) Russian on 871 Khz, so it must be new, or someone did change freqs.(PM-OR) +Also logged very weak in RR at 1230 on 10/5 (GJ-CA) +Also logged at 1354 10/16, YL Pop mx, man in RR, 1358-Interval signal, then pips on hour, followed by man in RR (DW-OR) UNID, Asian language here, not //828(JJ) at 1212 9/18 (NHP BC+) 882 UNID, language here at 146 on 10/16 (PM-OR) 890 ALASKA, Homer-KBBI-0707 9/18 ID after "Allman Bros Live at the Fillmore" recording. Fair (NHP-BC+) JAPAN/SOUTH KOREA, a mix here at 1454 on 10/16 (PM-OR) 891

891 UNID, het here at 1245 on 10/5 (GJ-CA) PHILIPPINES, slight Filipino talk by YL and 1444 on 10/12 (PM) 909 UNID, in slight splat from 910, but hard to copy at 1346 on 10/16 (PM-OR) UNIDS, a jumble here, some CC and JJ I believe at 1447 10/16(PM) 918 927 tP.R.CHINA, weak CC talk at 1451 10/16. Also Taiwan in listed(PM) 936 AUSTRALIA, Brisbane-4PB-surely the ABC station here with nonstop Nx on Aust. and the World from 1430 on 10/11. All alone on channel, with some fade, several ments of the ABC and Radio Australia. (PM-OR) P.R. CHINA, Anhui P.B.S.-about the strongest CC this season. Has been hrd many morning of late. Hrd at 1350 10/16 with CC Opera, as they normally run much of the time. Good (PM-OR) 945 JAPAN, JJ talk in passing at 1434 10/16 (PM-OR) tJAPAN , Tokyo-JOKR-1355 10/1 Man in JJ, poor to fair in domes-954 tic splatter. This has turned up several times this season, but too much splatter for any IDs. (NHP-BC) 963 UNIDS, Growl of mess here at 1450 on 10/16 (PM-OR) 972 SOUTH KOREA, 1312 9/18 Man singing //6015 which wasn't anything like as strong. This was occ. equal to signal on 970 stations Fair reg. hrd at home in late sept. though not this signal(NHP-BC+ 981 P.R. CHINA, CPBS here with distorted audio, man in CC at 1441 10/16 (PM-OR) 1008 JAPAN, Osaka -JONR-good with man in JJ at 1456 10/16 (PM-OR) RUSSIA, way behind JONR with RR talk at 1456 10/16 (PM-OR) 1017 JAPAN, Fukuoka-JOLB- 1313 9/18-fair in splatter man in JJ//828 Khz. (NHP-BC+) tP.R. CHINA, CC talk behind JOLB at 1414 on 10/16 (PM-OR) 1026 tP.R. CHINA, Baijing -Pop mx and CC talk. This is a commercial station in Beijing I think, playing CC pops at 1412-10/16 (PM) UNID 1349 10/1 man and woman talking at poor to fair signals in splash, but no ID on language or //. Somebody else coming in by 1400 causing abit of a him on the channel which covered any useable ID. Def. TP in direction, and def. frusting. This was possibly the best TP AM in 10 years! (NHP-BC) 1035 tP.R. CHINA, CC talk above Jumble, sounded JJ in there also, at 1358 10/16 (PM-OR) 1044 tP.R. CHINA, CC talk above mess at 1359 10/16 (PM-OR) 1053 SOUTH KOREA, jammer 1322 9/17 A not unusual TP on the coast, but this was fair to poor at home with usual whooshing. (NHP-BC) 1062 tP.R. CHINA, possibly Canton here with YL in CC at 1437 10/16. possible other CC behind it. (PM-OR) 1107 JAPAN, JJ talk in passing at 1325 10/16 (PM-OR) JAPAN, Tokyo-JOQR, mixing with KK at 140 10/16 (PM-OR) 1134 tTAIWAN, Penghu-BEL3 1342 9/18. Likely the one with CC talk at 1143 poor to fair signals after Western Light Clas. mx (NHP-BC+) +Also logged with Miss Wu in Cantonese //738 at 1431 10/12(PM) 1152 JAPAN, JJ talk in passing at 1416 10/16 (PM-OR UNID , CC type mx at 1340 on 10/12, but no talk hrd (PM-OR) 1161 1179 JAPAN, Osaka-JOOR-1219 9/18 Weak w/JJ talk by man (NHP-BC+) JAPAN, Tokyo-JOLF -JJ talk at 1417 10/16 (PM-OR) 1242 UNID, at 1334 9/27-Poor signal here in splash with Classical Piano //1287. With CX and the wire direction, I would expect JJ, but I would think those two stations (JOHR/JOLF) would be relaying each other. There are MBC-S. Koreans on both freqs. though. (NHP-BC+) 1251 RUSSIA, RR talk at 1345 10/16, in splash. (PM-OR) 1287 tJAPAN, Sapporo-JOHR 1349 9/21 Poor to fair w/pop mx in splat Correct DF. Woman talking, poor 1405 9/25 also 1400 10/7, but buried in splatter. (NHP-BC) UNID, at 1334 9/27-good signal here w/Clas. piano, was //1242 Don't believe JJ, but maybe MBC-South Koreans. (NHP-BC+)

- 1305 SOUTH KOREA, Uljin-HLSV at 1255 9/18 man and woman in KK,
- JAPAN, Nagoya-JOSF-weak JJ talk at 1335 on 10/16 (PM-OR)
- MALAYSIA, Sabah-apparently has finally moved off 1475 to the 9 Khz plan, at 1554 Drama, but Iban type language, not Filipino or Malay Man said "Radio Malaysia" at 1608,hrd on Kiwa loop bearing 270-280 degrees, this was 10/16. (DW-OR)
- 1575 UNID, 1355 10/2, woman and man talking in a language that sounded vaguely KK, but more clipped. Fair, went right across the hour with no ID. Figured this was Thailand, but VOA is listed at this time, but used to ID. (NHP-BC) (I agree, that would you hrd didn't sound like VOA. PM)
- UNID, Growl on channel many AMs of late, but no IDing anything noted again at 1410 on 10/16. (PM-OR)
- JAPAN, Matsue/Niigata-JOTB/JOQB 1250 9/18 Only a poor signal //774 w/EE lessons (NHP-BC+)
- JAPAN, NHK2 synchros 1248 9/18 Fair to good //774 w/EE lessons
- Also at home w/woman talking poor //828 1411 10/10 (NHP-BC+)
  JAPAN, Tokyo-JOAK-10/9 assumed the one with male JJ vocal at
  1327, male JJ anmts, too much QRM from KOGO-600 (HH-CA)
- ONID, looping South of Usual North Korea 1230 9/30 with pop song by female in UNID lang. (did not seem CC though) Sappy sentimental male vocal 1232 Fades 1234 until 1237 feturn with female talk, def. not KK (sounded abit like Indo) fades 1238 returns 1241 with uptempo male vocal (prominent Bas type), fades again 1243, gone by 1248. Haven't a clue, since North
- Korea hrd here since! (HH-CA)

  PHILIPPINES, Poro-VOA 1340 9/18 Orit. talk by man poor to fair in splatter becoming good by 1344, pretty well done by 1400 though. (NHP-BC+)
- 1152 JAPAN, Kushiro/Kochi JOPC/JORB 1338 9/18 Man in JJ fair signal in splatter //774 (NHP-BC+)

#### VERIFICATIONS

- 830 HAWAII, Honolulu-KHVH-rec. friendly letter from Jerry Varoujean CE in 230d. All ready had a QSL cd from Alan Roycroft on this, but nice to get a direct reply also, adrs now for both KHVH & KIKI is 345 Queen Street #601-Honolulu, Hi 96813.
- 855 AUSTRALIA, Maryborough/Eidsvoid-4QB/4QO sent nice verie letter to confirm my reception 8/5. Signer is David McGhee Manager Wide Bay, ABC P.O. Box 1152-Bundaberg 4670, Qsld. Both stations are 20KW now, WRTH says 10KW. (LG-MT) (A good one Larry. Keep them coming. PM)

#### THANKS TO THESE REPORTERS

- SA-MB SHAWN AXELROD-30 BECONTREE BAY-WINNIPEG, MB R2N 2X9
  DXing w/Icom R70, filter mods, Plam Board-4 foot Box Loop,
  Quantum Loop, 100 ft. Longwire.
- LG-MT LARRY GODWIN-2390 CLYDES DALE LANE-MISSOULA, MT. 59801
  Hammarlund HQ-150, Sanserino Air Core Loop
- HH-CA HARRY HELMS, AA6FW-7445 ANDASOL STREET-SAN DIEGO, CA 92126
  Drake R8, Hammarlund HQ-150, Sanserino Two foot loop
- GJ-CA GARY JACKSON-7735 CENTER PARKWAY-SACRAMENTO, CA 95823
  NHP-BC NICK HALL-PATCH-1538 AMPHION STREET-VICTORIA, BC V8R 4Z6
- DXing at home with homebrew rx, Sony 2010,3' loop, random wire NHP-BC+ NICK HALL-PATCH
- DXing from Jordan River using homebrew rx, Sony 2010, and 2000 Beverage at 300 degrees.
- DW-OR DAVE WILLIAMS-615 HIGHWAY 101-ASTORIA, OR. 97103
  DXing with Icom 765(Trans.) and KIWA Loop
- PM-OR YOUR EDITOR
  DXing with Drake R8, term. 200' SW wire, 2000' NNW Beverage,
  TUN4 presellector, Phasing unit.



EDITOR: Jim Hall, 3176 Cheltenham Ct., Gibsonia PA 15044-8435 USA

A few reports in for the week thanks to Elliot and Mike. All times are shown in UTC. As it is a short column this week we will get underway:

#### TRANS-ATLANTIC DX (Straus-NJ) all

585	SPAIN	Madrid	0045	10/6	fr	w/pop	vocals,	SS	ballads.
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- 792 SPAIN Seville 2330 10/3 fr w/SS teletalk pgm.
- 1044 MOROCCO Sebaa-Aioun 2343 10/3 xlnt w/AA vocals.
- 1544 MOROCCO 2250 10/3 LV de Sahara v gd. w/m talk in dialect.

#### PAN-AMERICAN DX (Straus-NJ) unless noted

- 550 VENEZUELA YVKE Caracas 0905 10/11 LA mx, SS talk, "Mundial" ID's, fr.
- 700 VENEZUELA YVMH Maracaibo 1010 10/10 LA mx, SS talk, "R. Popular" IDs, gd.
- 870 COLOMBIA HJSB Barranquilla 1025 10/10 briefly in WWL null w/ment's of
- Barranquilla.

  ST. KITTS 2305 10/1 Nevis v gd. w/lite pop vocals.
- 1020 TURKS & CAICOS ISLANDS 0250-0300\* 10/7 Caribbean Christian Radio gd w/rlgs
- 1035 HAITI 2343 10/3 "R. Democasee" ID's, xlnt w/pop vocals, Creole.

#### UNIDENTIFIEDS: (Mike Hardester-NC)

- 582.3 unID 0415 10/6 m in SS, loop slightly SE, in briefly amid QRM and gone. Poor.
- 891.0 unID 0418-0450 10/6 SS m, mostly SS vocals but noted Blood, Sweat & Tears / Capt. & Tennille selections. M occ brief talk during mx but no distinguishable words noted. Fr-pr w/fading. Looping toward Cuba. (Mike, almost no doubt Cuban here as heard before. Most likely the Progreso outlet. ed)

#### CREDITS:

(Hardester-NC)

MIKE HARDESTER 3118 Gaitway Court, Jacksonville, NC 28546

(ICOM R-70, Radio West 22" Ferrite Loop)

(Straus-NJ) <u>ELLIOT STRAUS</u> 980 Cooper Drive, Toms River, NJ 08753

(R-390A, KIWA/QUANTUM Loops, MFJ-959B)



### WESTERN DX ROUNDUP



Nancy Hardy 2301 Pacific Avenue Aberdeen, WA 98520-4527



Electronic Mail: 73201.2263@CompuServe.com, or Prodigy FMFT21B. E-Mail deadline: 6pm Mondays.

WDXR DEADLINES: Every Monday. Please use Eastern Time.

#### REPORTERS FOR THIS ISSUE:

(FA) Frank Aden-4096-Marcia Place-Boise, ID 83704 Modified FRG-7, modified Radio Shack TRF, Sony SRF-42 AM stereo Walkman, 45' longwire N-S, 180' L-longwire, 4' box loop

(LG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59801 Hammarlund HQ-150, Sanserino air-core box loop & KIWA loop

(GJ) Gary Jackson-7735 Center Parkway-Sacramento, CA 95823 FRG 8800, KIWA loop

(AWP) Art Peterson-851 31st Street-Richmond, CA 94804 (AWP-CA1) "on site" in Saratoga, CA

(bp) Bruce Portzer-6546 19th Avenue NE-Seattle, WA 98115 R390A, KIWA loop

(PT) Pete Taylor-2614 Jackson St.-San Francisco, CA 94115
ICF-2010 with modified Palomar loop
(PT-CA1) Using car radio, between Concord-San Franscisco

(RET) Randy Tomer-Eureka, CA

(RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118 GE Superadio II, GE long-range portable, SM-2

590 KHTX <u>CA</u>, San Bernardino 10/3 0407 still using this ID, not KLWW yet. ID as "K-hits AM & FM," on top of frequency, C&W. (RW-CA)

630 CKOV BC, Kelowna 10/2 0738 good, alone with PSA for Children's Charities, "a community service of OV-63." Rare here. (RW-CA)

680 CJOB MB, Winnipeg 10/2 0527 strong in KNBR null with sports, ID "This is CJOB, Manitoba's Information Station." Rare here. (bp-WA)

700 KBYR AK, Anchorage 10/2 0600 only 2nd time heard here, last in 1982. Very good signal on top of hour with ID, into CBS news, then faded rapidly in KFAM null, KNBR-680/KFIA-710 splash. Conditions are getting better! (RW-CA)

730 KSVN UT, Ogden 10/7 0900 ID in Spanish as "La Mexicana, KSVN" followed by legal ID in English, very strong. (LG-MT)

740 \*KCBS\* CA, San Francisco 10/9 with OC only. (LG-MT)

KVFC CO, Cortez 10/1 0600 with legal ID during oldies program with KCBS nulled. (LG-MT)

790 \*WPEI436\* CA, Pittsburg 10/10 1100 TIS still testing, strong! (GJ-CA)

KGHL MT, Billings 10/10 0215 clean ID, livestock sale ad and country music over/under KABC & others. (PT-CA)

850 KHLO HI, Hilo 10/9 in strong 0900-1000 with C&W music, "AM 850 kHz KHLO." (GJ-CA)

870 CFBV BC, Smithers a pleasant surprise here 10/10. At 0904 ended Broadcast News and gave IDs for CFBV and CFLD. This station is near Prince Rupert, close to AK panhandle. (LG-MT)

900 KNUI HI, Kahului 10/9 strong for a few at 0850. Music of the 40's, time given was 2:50am! (GJ-CA)

12

- 970 KBBK ID. Rupert 10/10 0819 way on top of freq. with ID "The all new KBBK, the Magic Valley's Best Oldies." (RW-CA)
- 990 KATD <u>CA</u>, Pittsburg 10/14 heard with tones & open carrier 0111-0130. A little strange. RS resumed 0130. (PT-CA1)
  - CBW MB, Winnipeg 10/1 0558 s/on with GSQ, very strong. (LG-MT)
- 1050 CKSB MB, Winnipeg 9/29 2310 finally nailed with call ID in French. Gave "Radio Canada" ID at 2300 before news. Moderately strong; main QRM was CJNB. (LG-MT)
- 1090 KING WA, Seattle per call to station Fri. 9/30, doesn't know when they'll be changing to KINF, only that they are being bought by KIRO-FM. (RW-CA) (Bill says they're being bought by KIRO-AM-FM.-NH)
  - CKRX AB, Lethbridge 9/28 2251 ID as "1090 Rock." (LG-MT)
- 1100 \*KNZZ\* CO, Grand Junction 10/9 0756 with OC only. (LG-MT)
- 1130 WBBR New York 10/10 amazingly, right through CKWX, with several call IDs and "WBBR News Time" at 2304. (LG-MT)
- 1140 KCMJ <u>CA</u>, Palm Springs 10/10 0313 strong in KHTK null with sports talk, ID, possibly testing on day pattern? (RW-CA)
- 1190 KBCO CO, Boulder 10/8 1001 weak with legal ID. (LG-MT)
- 1240 KSAC CA, Sacramento per call to station Fri. 9/30, will be changing calls to KSQR and format to Spanish "sometime in November." (RW-CA)
  - KCVL WA, Colville 10/2 0549 partially dominant with long string of local ads & PSA's, caught several mentions of Colville & KCVL. Apparently NSP. How a station in a tiny isolated town like Colville can sell time at 3am on Sunday is a mystery—they must charge about 50¢ for a 60 second ad, hi. (bp-WA)
- 1340 KWWX WA, Wenatchee 10/3 1600 good day time reception in KLKI null with Spanish music "Cah Doble-oo Doble-oo Equis" ID, into Radio Cadena Centro news. (bp-WA)
- 1360 KOHU OR, Hermiston 10/2 0600 strong with C&W music, legal ID, CBS news.

  Apparently now NSP, blocking what had been a potentially good DX frequency.

  (bp-WA)
- 1460 KENO NV. Las Vegas 10/10 0230 all alone with ID, into sports. (PT-CA)
- 1480 KTMA <u>CA</u>, Eureka ex-KRED. No longer C&W. Now satellite feed sports talk 24 hours a day with some local sports programming (Humboldt State Lumberjacks FB). First noticed change 10/12. (RET-CA)
- 1540 KASA AZ, Phoenix 10/9 0900 dominant but not overwhelming with s/on announcement in Spanish and then English. (PT-CA)
- 1610 TIS <u>CA</u>, Hornbrook 10/7 0700 agricultural station giving information why fruit cannot be brought into California. (GJ-CA)
  - WNWN392 <u>CA</u>, Saratoga 9/30 1930, TIS. Saw sign when driving through, so tuned in on car radio. (AWP-CA1)
- 1620 TIS <u>CA</u>, Pebble Beach 10/8 0630 community services district talking about fire hazards. (GJ-CA)
- 1700 TIS CA, San Diego Stadium 10/7 0630 giving police info with phone numbers & address. (GJ-CA)

#### DX TESTS

- 1290 ?KKAR? NE, Omaha 10/3 0100-0130 tentative, heard some code in local interference.
  Will send tentative report. (FA-ID)
  - (KKAR)+10/3 0100-0130 DX test tired, not heard, too much KHSL, only KMEN in their null as usual. (RW-CA)
- 1300 (WZZZ) NY, Fulton 10/10 0500-0530 nothing heard. (FA-ID)
- 1590 (KWEY) OK, Weatherford 10/3 0500-0530 nothing heard. (FA-ID)
- 1600 (KBOR) TX, Brownsville 10/9 0430-0500 nothing heard. (FA-ID)
- 1620 ?KA2XAU? PA. Richland 10/10 0200-0230 heard very weak code at 0215 & possibly some vocal IDs heard past 0235. (FA-ID)
  - (KA2XAU)+10/10 0210-0220 DX test tried, frequency completely dead (as it usually is), slop from KLIV-1590. (RW-CA)

#### UNIDS

- 600 10/2 0812 unID C&W weak under KOGO, looping east, over/under unID adult contemporary. Faded out leaving adult contemporary alone under KOGO. I suspect C&W was KSJB-ND, adult contemporary possibly KVNA-AZ? (RW-CA)
- 1030 UnID Spanish over/under KTWO 10/14 0054-0110. Quite dominant at times I thought the Folsom CP must be back on (nope). (PT-CA1)
- 10/10 0318 unID test tone good in XEPRS null. Likely either KBOZ or KING (soon to be KINF). (RW-CA)
- 1230 Who has classical music here? Heard several times between 0100-0200. (PT-CA) (Bill suggests KSJK Talent, OR, an NPR station.--NH)
- 1290 10/10 0125-0200 "1290 with Killer Oldies and Art Laboe." Syndicated K-Mart ad and also one which sounded like Scandia Fun Center. No calls given on the half hour or discernable at 0200. Exactly 90 degrees off of KHSL. (PT-CA)
- 1540 10/3 0357 unID OC strong looping N-S, KXED or possibly Aptos coming back on air soon? (RW-CA)
- 1610 Strong carrier here day & night, looping SW-NE. No audio. No idea who, will call CalTrans. (GJ-CA)

It's now official, the 1995 IRCA convention will be held July 14-15-16 in Boise, Idaho! Bill has requested those dates off from work, and since I'm a "boss" I'll take the days off too. Billy is already looking forward to the auction, hi.

## Central DX Roundup



Editor: John C. Johnson



#### FOR THE RECORD

ADDRESS YOUR REPORTS TO:

E-Mail: JOHNJ53816@AOL.COM AMERICA ON LINE: JOHNJ53816

SNAIL-MAIL: 979 NEPTUNE BLYD., BILLINGS, MT 59105-2129 COMPUSERVE: 74444,3075 PRODIGY: MPNN49A

REPORT ALL TIMES AS EASTERN.

DEADLINE: SATURDAYS.

#### RIDING GAIN

[SA-MB] Shawn Axelrod, 30 Becontree Bay, Winnipeg, Manitoba R2N 2X9

Icom IC-R70 w/PLAM board & 4kHz filter, 4-foot box loop, Quantum loop, 100' wire.

[TMJ-IL] Tom Jasinski, 419 North Raven, Shorewood, Illinois 60435-9640

FRG-7 with Quantum loop, R390A with 2½ foot loop, Sharp QT50.

[TJR-IL] Thomas J. Reiser, Box 5203, Chicago, IL 60680-5203

Sony ICF-2003 with built-in antenna.

[JcJ-MT] Your editor using an Icom IC-R71A with a Radio West loop.

#### DOWN THE DIAL

550 CHNO ON, Sudbury. 9/22 good o/KSD. 0400-0510 with rock music. Slogan "Sudbury

Classic Rock" used. [TMJ-IL]

710 WHB MO, Kansas City. 10/1 excellent. 2040 heard in SS with Mexican music. SS ID "WHB." Not the usual format. [SA-MB]

750 KXL OR, Portland. 10/1 good. 0732 with "KXL" ID into talk program. Not needed, but rare here. [SA-MB]

1030 WCTS MN, Maplewood. 9/28 good. 0630 with sign on. No SSB. Now AM stereo. [SA-MB]

WUFL MI, Sterling Heights. 9/28 fair. 0630 with sign on. No SSB. [SA-MB]

1150 KSAL KS, Salina. 10/11 good. 0205 out of Ai News with local KSAL News. [JcJ-MT]

1270 CHAT AB, Medicine Hat. 10/10 good. 0230 with country music. "New country 12-70 chat" slogan. [JcJ-MT]

14

- 1350 WJBD <u>IL</u>, Salem. 9/28 with excellent signal. 0003 with news and local weather for a few minutes then slowly faded away. A real surprise. [TMJ-IL]
  - WNVA VA, Norton. 9/28 during SSS. 1958-2005 with "For Wise county....Norton...
    Coeburn...and ???" into UPI news on the hour. [TMJ-IL]
- 1470 KKTY WY, Douglas, 10/10 good, others nulled. 0215 with ID during satellite fed country music. [JcJ-MT]
- 1520 KMAV ND, Mayville 10/1 good, 1541 now back on the air after storm damage repaired. [SA-MB]
- 1560(WSQR) <u>IL</u>, Sycamore, 9/15 noted this station is again off the air after a short run with rock music ||FM. Noted absent in August. WRIN and WHEZ are not heard in the daytime. [TMJ-IL]
- 1590 KPOZ WA, Seattle, EX-KZOK. 10/1 good. 0744 with "Positive Country 15-90 KPOZ" ID into country gospel. New logging for me. [SA-MB]
  - KVGB KS, Great Bend. 10/3. 0005 with sign off after news. ID and SSB. Mentioned 5000 watts, and 104.2 FM. [TMJ-IL]
- 1600 KUBA CA, Yuba City, 10/10 weak while others nulled, 0200 with last line of sign off. "KUBA signing off the air." Needed, but not enought for a report. [JcJ-MT]

#### DX TESTS

- 1290 KKAR NE, Omaha. 10/3 DX Test good w/WHIO. 0100-0115 with code, march music, instrumental music. Not needed, a regular here. [TMJ-IL]
- 1590(KWEY) OK, Weatherford. 10/3 DX Test not heard. 0500-0530 listened during this time for test, nothing recognizable heard. 1590 sounded like a GY channel. [TMJ-IL] +10/3 DX Test. 0400 test not heard here. [SA-MB]
- 1600(KBOR) TX, Brownsville. 10/9 DX Test. 0430 test not heard here. [SA-MB]
- 1620 (KA2XAU) PA, Richland. 10/10 DX Test not heard here. Only noise and static. [JcJ-MT] +10/10 DX Test not heard here. [TJR-IL]

#### unIDs

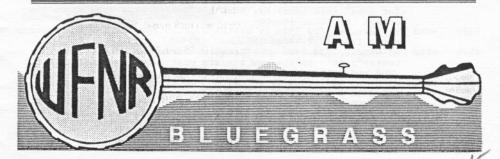
- 760 unID 10/1 good. 0758 with romantic or ballad type music in SS. No ID on the hour and faded by 0810. Beamed south and west. [SA-MB]
- 1510 unID 9/21 weak in partial WLAC null. 2102 with country music. Never strong enough for good copy. Faded at 2006. I checked 1510 again almost every evening in September, but never heard again. Possibly KGA. Will keep trying. [TMJ-IL]

#### 25 YEARS AGO

November 1, 1969 issue of IRCA's "DX Monitor"....Mike Hardester of Modesto, CA received a verie from PJB-800....Bruce Portzer of Seattle, WA mentioned his NC-120 developed a noise problem and is now using a GE portable as his main receiver....William V. Burss of Phoenix, AZ mentioned he was 61, and told about when radio first came about and his spark gap rig causing problems in the neighborhood....Foreign DX Records showed C. M. Standbury as #1.

#### OPEN MIKE

Quarrels would not last so long if the fault were only on one side. Shawn tells me the Valhalla DX site is just about ready. I can see them now, the farmer that owns the land is still working on his field as Shawn and Wayne are standing by with a reel of wire ready to stretch it out as the farmer finishes! 73, John.





# Eastern DX Roundup

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

#### RADIO ACTIVE INPUT

(MB) Mike Booker 99 Wychrest Ave., Toronto, On M6G 3X8 Panasonic RF-2200, Panasonic RFB-45

(MH)	ICOM R	ardester 3118 Gaitway court Jacksonville, NC. 28546-6973 -70 Radio West 22" Ferrite loop,200 ft random-wire
(KZ)		. Zuk 154 Old Post Rd North Croton-on-Hudson,NY 10520 s R390A/URR ,500 ft long wire- ground system.
		IN THE LOG
640	WGOC	TN Bloutville noted in passing w/country format and WGOC Country" promos, and localspot. This on 10/10 @ 0145-0155. Previously logged on DX Test as WJTZ. Poor w/Spanish lang
990	WZZD	stn QRM and fair/poor signal.(MH-NC) PA Philidelphia, 9/29 1859 fr o/CKIS w/PSA from American Heart Association, ID as "Today's Christian radio, 990 WZZD Philidelphia" into another Bible program at 1900. Hrd as WIBG in 1977. (MB-ON)
990	WVSC	PA Somerset 9/29 1924 fro/CKIS w/local nx, ID as "You're listening to the voice of Somerset County" into C&Wmx. OSLed on test in 1980. (MB-ON)
1290	WCHY	GA Savannah 10/3 0138 fr, surfacing o/CJBK w/id as "The 1290 WCHY the sports leader" into run-down of the day's NFL scores.(of course, they can run down the day's baseball or hockey scoures,hi) QSLed in 1980 as WWSA. (MB-ON)
1360	WWLG	MD Baltimore tent the stn 10/7 @ 0015-0115 t/out w/2 M anners, ongoing contest to ID "The scratchy record," several spots but w/phone #s and no adrs-prefixes 313,363,789, 521 and a stn # to call 481-1360. Poss name of prgm: "Night News Radio," Ment of Baltimore several times and two spots for "Jenny"s Cafe and Metro Ambulance." Two ment of "on WLG" NRC AM LOG arrived today(10/7) and notes the stn's call letter change. Fairly certain ,but no definite ID. Poor to occ fair sig w/QRM. (MH-NC)
1380	WTVR	VA Richmond tent 10/9 @ 0447-0513 w/W anncr,Nos prgm,occ ment of "Unforgettable 13-80" a couple of ment of what sound ed like "Unforgetable 13-80 Richlands" (Richmond?), and Satellite Nx Network on the hour. Only local (?) spot noted for "Connect Telephone," but no city ment. If ID across hour,not hrd. Fair w/mod-severe fading. (MH-NC)
1480	WLEA	NY Hornell 9/20 1906 fr o/WADR, WHBC w/ID as "The news authority, WLEA Hornell, the station more people depend on for news" into local nx. WHBC now dominatates freq since the gemise of CKDX. (MB-ON)
1480	WCNS	PA Latrobe 9/20 1914 fr o/WLEA w/promo for 24-hour WCNS sports score line, 532-1480. (MB-ON)
1570	WFLR	NY Dundee 9/28 0708 gd w/local wx "from the WFLR weather center"; this is the new sss/srs pest here, now that CHLO, CFOR and CKLM are gone. (MB-ON)
1570	WWCK	MI Flint 10/1 1900 fr w/"CK105" ID jingle into CHR rock. QSLed in 1980 as WLQB Another pest to fill the void left by CHLO,CFORand CKLM. (MB-ON)

#### UNID UFO"S

	UNID UFO"S
650	???? Unid noted 10/5 @ 1955 u/WSM w/cw being transmitted. Loop was s/sw-n/ne. Not certain if this is domestic or forign Very weak, but noted during a break; "N" and "0" (zero) clear. Possibly another "N" and fairly certain a "K". Also a series of dahs (dashes). Quickly spun loop and basica lly nulled (sumwhat) WSM, but signal weak. Ideas? (MH-NC)
1430	
1600	???? Unid 10/9 @ 0420-0445 w/mod- to severe fading. Noted mention (spot?) of "Bobby Blue Bland" w/a phone prefix of 574; local wx = 65°. M ann. I think this was the same stn w/Beatles "Hey Jude" @ 0440. Poor with mod- heavy fading. (MH-NC)
	THE OFFICE OF THE PROPERTY OF
590	KLE 422 NJ Paramus? 10/8 (TIME)? ed Portable stn on trailer of NJ turnpike authority is now usuing this call on this one x- mitter only. Quite strong along west side and Henery Hudson Parkway in Manhattan. (KZ-NY) TIS listing ed.
1300	WZZZ NY Fulton tent hrd on DX test of 10/10 @ 0516: only time in 0500-0530 period when possible bits of code noted (possibly letter "W", but that was all). Severe QRM from UNID Gos stn looping same as WZZZ. (MH-NC)
1620	KA2XAU PA Richland noted onDX Test of 10/10 @ 0213-0236 w/voice ID's by M&W and code IDs. Mostly a good signal, though fading was a slight factor. Did they get a late start? Tuned: away breifly at 0210 and back at 0213 w/tones and carrier. This should have got out! (MH-NC)
1620	KA2XAU PA Richland 10/10 0200230 + Exellent recption of M&F voice with test message intermingled with morse IDs usuing two different notes. (KZ-NY)
1600	TESTES NOT HEARD  KBOR TX Brownsville NOT hrd on DX Test scheduled for 10/9.  Listened 0420-0445, but only Gospel, a stn with a Beatle cut (Hey Jude"), and UNID tlk. In short, a jumble.(MH-NC)
1290	TEST HEARD EXTRA  KKAR NE Omaha 10/3 0120 pr w/a few seconds of code noted, then one code id (), but recption was poor to send a report. Buried under CJBK London, ON's "GTO" Oldies (Good Time Oldies, a Canadian satellite feed that has nothing to do with the Pontiac mucle car!) (MB-ON)



## Western DX Forum \*\*\*\*

Reid Wheeler 5910 Boulevard Loop SE Olympia, WA 98501

Deadline: Saturday 2 weeks before publication

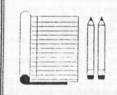
#### NO CONTRIBUTIONS THIS WEEK

--32-07

#### IRCA Reprints

The IRCA maintains a large file of articles which have appeared in past issues of DX Monitor. These articles cover a wide variety of tepics, including: antenna theory and construction, tips for the foreign BCB DXer, how to improve your DXing skills, history of DXing and broadcasting, lists of stations by subject, construction projects in receiver modification, receiver reviews, medium wave propagation, and more. Copies are available for a nominal charge. For a list of reprints, send \$1.00 to:

IRCA Reprints, c/o Steve Ratzlaff, 1885 E Bayshore Rd Sp 90, E Palo Alto CA 94303.



## Eastern DX Forum

Richard C. Evans P.O. Box 21883 Milwaukee, WI 53221-0883 Phone: 414-ATlantic 2-9035

DEADLINES: Saturdays

Ernest Cooper, 5 Anthony Street, Provincetown, Massachusetts 02657 It's been entirely too long since I've contributed to my favorite section of The Monitor! We had a great summer, taking two vacations, the first of which took us again to Frederiksted, in the U.S. Virgin Islands, on St. Croix. The local Frederiksted station, WRRA-1290, presents a real challenge to anyone in continental US or Canada, as they have NEVER been heard there! They are NSP, and are on the Los Angeles Dodgers' Baseball Network, and also carry (ugh!) Rush Limbaugh. Other than these, they have catchy Island-style music. Even in a severe Aurora it is doubtful they'd make it to the States, for there are a couple Latin American stations that would likely kill any chance. I never tried night DXing there - there's just too many SSes on every frequency! Our other vacation was to Marshalls Creek, PA, in the Pocono Mountains. I couldn't tune around the AM band there - just too many motors, fluorescent lights, gadgets, etc. to allow anything but local stations through. I did determine, however, that WPMR-960, Mt. Pocono, is silent. And on the way to the NRC Convention in Merrimack, NH, I learned another 960 station is also silent: WFGL, Fitchburg. We had a great time there, despite two false alarm fire sirens in the hotel during sleeping time. Fifty three attended. The next meeting I'll be able to attend is the annual blast at Ray and Arlene Arruda's "Lower Deck" in Acushnet, MA, on the Thursday before Thanksgiving Day, beginning at 12 noon. All DXers are invited. Well, my Hammarlund HQ-180 was creaking and groaning, and begging for an operation, so I took it with me to the NRC Convention, and turned it over to Dave Schmidt who has fixed it and by the time this hits print, it'll be back here in operation. I've been trying to DX with my GE Superadio 1, but it is terribly difficult to figure out what frequency you're on, either on AM or FM. I did so want to hear that mysterious DX Test from KA2XAU, but nary a peep on the Superadio. What a tremendous job J.P> Stephens has done, getting us off to a flying start on the new DX season! But how can one try for a Test at 0100, and then another on the same morning at 0500? You gotta choose one or the other. Our WOMR has received official permission to go to 92.1 with 6,000 watts. We have till 18 months from now to make the switch, and to raise about \$50,000 for the new 6kw transmitter. It'll be a tough fight, but - Forward -March!

Eric Bueneman, NOUIH, 631 Coachway Lane, Hazelwood, Missouri 63042-1347 314-839-9751 prepaid only. The DX season got underway with the reception of KA2XAU-1620 Richland, PA with code IDs, and voice IDs were done by male and female announcers! The signal was better on the Realistic DX-400 and homebrew antenna than on the Realistic DX-200 and Worcester Space Magnet 2. KA2XAU's signal was fir to poor, but clear (no one else is on 1620 now, but wait until the expanded band allocations are calculated, hi!) I taped part of the test, a report has been sent. Over the summer, KJSL-630 (ex-KXOK) took to the airwaves with a Christian Talk format in AM stereo (the fifth AM station to go stereo in the St. Louis market). The format is being promoted as "Talk Radio Hell Hates", and the slogan is "The Salt and Light of St. Louis". Their only competition is KSIV-1320, which has a similar format promoted as "Christian Information Radio". The only other Christian-formatted station in St. Louis broadcasting in stereo besides KJSL is an FMer, WCBW-104.9. Some of the programming on KJSL so far has taken a far right-wing emphasis,

some of the talkers, for example, have cut down the Roman Catholic Church (by contrast, KXEN-1010's Bible teachers cut down the Catholics all the time!) Most of it, however, takes less of a right-wing approach, its overall programming makes Rush Limbaugh look like a 90-pound weakling! KTVI channel 2 (which will be St. Louis' new Fox TV affiliate beginning in September of 1995) has expanded its list of stations simulcasting its 1700 CLT newscast. With WIBV-1260 as its flagship, the newscasts are simulcast on KYRO-1280, KSLQ-1250/104.5, KTUI-FM 100.9 and WSMI-FM 106.1. KSDK channel 5 simulcasts its 0530, 1700 and 1800 CLT newscasts, along with NBC-TV's "Today" and "Nightly News" on KSD-550 only. Locally, the Chicago Bears football games have gone to WINU-880, leaving KFNS-590 carrying just the Kansas City Chiefs. Speaking of WINU, Silvia the Little German Girl is back, returning "Silvia's International Show", a program of ethnic music, to the airwaves. Her show was last heard on WIBV-1260. KSTL-690 is carrying more of a variety format now, nut just religious and Spanish programming. I've heard them with Urban Gospel and talk programs. My broadcasting days are beginning to wind to a close here, as I do "The Alternative Time Machine", a program of Modern Rock classics from the 1970s, '80s and early '90s, on KCFV-89.5 Fridays 2000-2400 CLT. After my eight-semester limit is met (in the summer of 1995), I will very likely hang my microphone up for good, due to lack of interest by commercial programmers. It all falls back to the lack of vision commercial broadcasters have for this medium, like I described in my last Forum. As for clubs, I have dropped membership in NRC, due to lack of funds. My NRC and ARRL memberships were due for renewal the same month, I didn't have the funds for both, so I chose ARRL over NRC because of ARRL's service to the Amateur Radio community. I believe that IRCA does a better job serving the DXer (especially here in Mid-America) than 73 and good DX from NOUIH.



P.O. Box 636 • Delta, Utah 84624 • Phone 801-864-5111 • Fax 801-835-2250 • Toll Free 1-800-789-KNAK

RECEPTION VERIFICATION OF KNAK RADIO... DATE

DATE 1/4/43

THIS LETTER IS TO CONFIRM YOUR DX RECEPTION REPORT OF KNAK RADIO, DELTA, UTAH.

KNAK RADIO OPERATES AT 540 kHz. ON THE AM BROADCAST DIAL WITH A DAYTIME OUTPUT POWER OF 1000 WATTS NON-DIRECTIONAL USING A 320 FOOT GUYED SERIES FED STEEL TOWER. KNAK RADIO OPERATES 24 HOURS A DAY SEVEN DAYS A WEEK WITH A COUNTRY MUSIC FORMAT, LOCAL NEWS, SPORTS AND WEATHER AND RUSH LIMBAUGH. THE DAYTIME POWER (SUNRISE TO SUNSET) IS 1000 WATTS. THE NIGHTTIME POWER IS 13.3 WATTS (SUNSET TO LOCAL SUNRISE). KNAK RADIO\_SIGNED ON THE AIR IN 1972.

THANK YOU YERY MUCH FOR YOUR RECEPTION REPORT.

DOUGLAS L. BARTON

STATION OWNER & ENGINEER.

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POSTAGE PAID PERRIS PERMIT

FRESHWATER 3rd 11 5 Ш



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

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (510 - 1720 khz). DX Monitor, the official publication of the IRCA, is published 34 times a year, exweekly from October to March, twice in September and April, and monthly from May to August. DX 🖼 Monitor contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the for Association of North American Radio Clubs. ON

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