

DX MONITOR

THE OFFICIAL PUBLICATION OF THE **IRCA** INTERNATIONAL RADIO CLUB OF AMERICA

DEVOTED EXCLUSIVELY TO BROADCAST BAND DXING

OCTOBER 12, 1991 - VOLUME 29 - NUMBER 04 - EDITION 929 - ISSN 0899-9732

BROADCASTING INFORMATION.....	2-3	EASTERN DX FORUM.....	9
DX WORLDWIDE-WEST.....	4	VERIFICATION SIGNERS.....	10-12
WESTERN DX ROUNDUP.....	5-6	GEOMAGNETIC INDICES.....	13-14
CENTRAL DX ROUNDUP.....	7	TECHNICAL TOPICS.....	15
WESTERN DX FORUM.....	8		

RENEWALS & ADDRESS CHANGES: RALPH SANSEIRINO 11300 MAGNOLIA #43 RIVER-SIDE CA 92505

REPRINTS: STEVE RATZLAFF 295 PETTIS AVENUE MOUNTAIN VIEW CA 94041

BOOK STORE: PHIL BYTHEWAY 9705 MARY AVENUE NW SEATTLE WA 98117

DX TEST COURTESY OF THE NATIONAL RADIO CLUB - COLORADO CPC MACHINE. KCRV-1370 PO Box 9 CARUTHERSVILLE MO 63680 WILL CONDUCT A DX TEST FOR THE NATIONAL RADIO CLUB ON MONDAY MORNING OCTOBER 28TH, 1991 BEGINNING AT 0615 ELT, THIS TEST WILL CONSIST OF TONES, MUSIC, CODE AND VOICE ID'S THANKS TO CLEAT STANFILL GM FOR ARRANGING THIS TEST.

RADIO SHACK: THE SHACK IS SHOWING A NEW PORTABLE IN THEIR 1992 CATALOG. IT IS THE **DX-390**. THIS COULD BE A NEW SANGEAN. SALESPERSON TELLS ME IT WILL NOT BE IN THE STORES TILL AFTER XMAS. IF IT IS A SANGEAN MAYBE HRO WILL LET ME BORROW ONE TO CHECK OUT THE BCB. PRICE IS \$239.95.

EDITOR: WE HAVE A NEW WESTERN DX FORUM EDITOR. SEE WDXF ON PAGE 8.



Tahiti



POLYNESE FRANCHISE OF 128 PARCELS

FROM JOHN BRYANT

R.F.O. votre Radio

FREQUENCES	
740 KHZ	20 Kw
6135 KHZ	4 Kw
9750 KHZ	4 Kw
11825 KHZ	20 Kw
15170 KHZ	20 Kw

BROADCASTING INFORMATION

EDITOR: ROBERT WIEN 1309 DENTWOOD DR SAN JOSE CA 95118

DEADLINES: 2nd & 4th Saturdays.

Compiled: 9/28/91

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

NEW STATION APPLICATIONS:

(NONE)

NEW STATION GRANTS:

(NONE)

CONSTRUCTION PERMIT ACTIVITY:

(NONE)

FACILITY AND PARAMETER APPLICATIONS

(NONE)

FACILITY AND PARAMETER GRANTS:

NC Wadesboro WADE-1340 increase to 1000 w.
VA. Gloucester WXGM-1420 reduce to 740-D

CALL LETTER CHANGES

CA. Monterey	KXDC-630	becomes	KIDD
Santa Barbara	KESP-1290	becomes	KKSB
CO. Aspen	KSN0-1260	becomes	KRKE
ID. Nampa	KSGR-1340	becomes	KANR
IN. Terre Haute	WYTL-1300	requests	WJSH
MS. Meridian	WQIC-1450	becomes	WMPG
Richland	WRBR-720	becomes	WPDF
NV. Laughlin	KROL-870	becomes	KOWA
Reno	KRCV-1340	requests	KCEQ
OK. Ardmore	KVSO-1240	becomes	KKAJ
PA. Harrisburg	WCMB-1460	becomes	WIMX ("Mix")
SC. Spartanburg	WKDY-1400	becomes	WYYR
TX. Conroe	KIKR-880	becomes	KJOJ
Creemore	KGTN-1530	becomes	KJPF
PQ. Montreal	CPCF-600	becomes	CIQC

*** A DXers TECHNICAL GUIDE ***

Now in its 2nd edition, this 120 page book answers questions on how receivers work, how to make them work better, what audio filters and loop antennas will do for you, how to build a beverage and phasing unit, and much more. Only \$5.50 for IRCA members, \$6.50 for non-members (add \$2.50 for overseas airmail). Write: Phil Bytheway, 9705 Mary N.W., Seattle, WA 98117.

FORMAT CHANGES:

AL. Huntsville	WAAJ-1550	was gospel, now silent
CA. Los Angeles	KLAC-570	was C&W, adds IRN C&W overnight
CT. Hartford	WDRG-1360	was Unis. oldies, now Unis. stds.
FL. Key West	WKIZ-1500	was oldies, now talk //WIOD-610
GA. Monroe	WMLS-1490	was AC, rptd. silent
Sylvania	WSYL-1490	was C&W, now SMN Trad. C&W
KY. Bowling Green	WBGD-1340	was oldies, adds DCJ-oldies
LA. De Ridder	KDLA-1010	was silent, to be religion
ME. Gardiner	WABK-1280	was AC/talk, adds Unis. AC
MA. Norfolk	WJCC-1170	was nx/talk, rptd. silent
Springfield	WSPR-1270	was nx/talk, now silent
Worcester	WNEB-1230	was stds., now silent
MO. Aurora	KSWM-940	was C&W, adds Unis. C&W
Independence	KIDZ-1510	was urban AC, now silent
Joplin	WMBH-1450	was C&W, adds SMN trad. C&W
MT. Forsyth	KIKC-1250	was C&W//FM, adds SMN C&W //FM
NY. Buffalo	WXBX-1400	was rock, now rock //FM
Peekskill	WLNA-1420	was AS, now SMN-AC (station had been rptd. as SMN-stds.)
White Plains	WFAS-1230	was talk, adds Unis.-stds.
ND. Minot	KTYN-1430	was contemp. Christian, now SMN C&W
OH. Galion	WGLX-1570	was C&W, rptd. silent
OK. Sapulpa	KBLK-1550	was urban, now contemp. Chris.//FM
OR. Cottage Grove	KNND-1400	was AC/C&W, now C&W only
Gresham	KKGR-1230	was nx/talk, rptd. silent
PA. Ephrata	WGSA-1310	was oldies//WAGO, now silent
SC. Spartanburg	WYYR-1400	was WKDY, silent, now 'beach' mx (whatever that is...)
TX. Conroe	KJOJ-880	was KIKR, C&W, now rel.//KJOJ-FM
Dallas	KCMZ-1480	was KDBN, business, now Unis. stds.
Houston	KKBQ-790	was rock-CHR//FM, now C&W //FM
Laredo	KVOZ-890	was oldies/SS, now CHR //KOYE-FM
WA. Dishman	KEYF-1050	was AS, now oldies //FM
Seattle	KVI-570	was oldies/talk, now talk only
WI. Oshkosh	WLKE-690	was polka, now oldies
WQ. Montreal	CIQC-600	was CFCE, stds., now C&W

Mike Riordan passes on the following info:

CA. 1000 Oaks	KMDY-850	was comedy radio, now AC //KNGO-FM, AM will have new format under new owners
---------------	----------	--

Mike Sanburn (and myself) pass on the following info:

CA. Orange	KPLS-830	heard testing recently, may be on air soon
------------	----------	---

*** IRCA Foreign Logs ***

Before the creation of the IRCA Foreign DX Reference, the IRCA published nine editions of the IRCA Foreign log. Each edition contained the actual tips that were reported to the DXWW sections during an entire year (2 years in Volume 9), recompiled and retyped in a book format. In addition, special features include: articles on foreign DXing (Vols. 6-9), utility lists (Vols. 7-8), shortwave parallels (Vols. 8-9) and BCB propagation (Vols. 6-8). IRCA archives still has Volumes 3, 4 and 6-9 of the IRCA Foreign Log available to all for \$2.50 each. Make checks out to Phil Bytheway and send them to: 9705 Mary N.W., Seattle, WA 98117



PAT MARTIN P.O. BOX 843 SEASIDE, OR 97138

DX Worldwide - West

Time: UTC phone (503) 861-3185

DEADLINE: MONDAYS

PAN AMERICAN DX ROUNDUP

- 990 MEXICO, Unk Iding as "Radio Alegria" (reported by TRH), with "Alegre Despertar" program at 1201 9/16 (LG-MT)
- 1610 ANGUILLA, The Valley maybe the EE station with rel. program 0218 9/25. At 0251, announcer mentioned phone number 879-538. (LG-MT)

TRANS-PACIFIC DX ROUNDUP

- 693 UNID, looping toward Asia w/weak audio 1233 9/24 (LG-MT)
- JAPAN, Tokyo-JOAB wk w/pips 1400 9/18. Then exc. signal 1345 on 9/22 (RET-CA)
- 702 AUSTRALIA, Sydney-2BL exc. signal w/talk 1330 9/11 (RET-CA)
- 738 AUSTRALIA, Grafton-2NR weak w/talk //702 1330 9/11 (RET-CA)
- 747 UNID, assumed Asian w/weak audio 1303 9/24 (LG-MT)
- 756 NEW ZEALAND, Auckland-1YA exc. signal 1345 9/10 w/pop mx and DJ Also hrd 9/11 (RET-CA)
- 774 AUSTRALIA, Melbourne-3L0 prob. the one w/talk very weak 1335 on 9/11 (RET-CA)
- UNID, assumed Asian w/weak audio 1300-1320 9/22 and 9/24 (LG-MT)
- 28 JAPAN, Osaka-JOBB was, I believe, the one with NHK-type pips at 1300 9/25. First noted this season at 1245 9/22 (LG-MT)
- +Also noted 1345 9/22 fair w/JJ 1405 9/25. Lang. lessons (RET-CA)
- 837 JAPAN, Niigata-JOQK-exc. w/JJ 1400 9/25 (RET-CA)
- +Also noted w/JJ talk at 1348 on 9/27. (PM-OR)
- UNID, looping toward Asia w/weak audio 1240 9/24 (LG-MT)
- 891 JAPAN, Sendai JOHK good signals w/pips and ID (RET-CA) (Time and date? PM)
- +Also noted with pips at 1400 9/27. (PM-OR)
- 1008 JAPAN, Osaka-JONR-1342 9/11 prob. source of weak JJ (RET-CA)

THANKS TO THESE REPORTERS

- LG-MT LARRY GODWIN-2390 Clydes Dale Lane-Missoula, MT 59801
Hammarlund HQ-150, SM2 Loop
- RET-CA RANDY TOMER-50 Thistle Ridge-Eureka, CA 95501
Collins R-390A w/400' N-S Wire for DUs, Sony 1CF-2010 w/Radio West Loop for Asians.
- PM-OR YOUR EDITOR
Hammarlund SP-600JX17 w/Term. 200' wire for DUs/2000' NNW Bev. for Asians, Ground system.

*** IRCA AM-FM ALMANAC, 5th Edition 1991 ***

The fifth edition of the IRCA AM-FM Almanac is now available! This 240 page book is a must have cross reference for the serious AMDXer. 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, Volume V 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).

The IRCA AM-FM Almanac is available in large comb bound or loose leaf (please state preference when ordering). Post-publication prices are:

IRCA 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

The IRCA AM-FM Almanac is available from: Phil Bytheway, 9705 Mary NW, Seattle, WA 98117. 4



WESTERN
DX
ROUNDUP

Nancy Hardy
2301 Pacific Ave.
Aberdeen, WA 98520

DEADLINE FOR WDXR TIPS IS MONDAY. PLEASE USE EASTERN TIME.

REPORTERS FOR THIS ISSUE:

- (pb) Phil Bytheway-9705 Mary NW-Seattle, WA 98117
Drake SPR-4, 3' Hagan ferrite loop
- (JH) Jim Hilliker-1705 Withers Ave., Apt. 12-Monterey, CA 93940
GE Superadio
- (LG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59801
Hammarlund HQ-150, SM-2
- (SMM) Steve Mittman-2248 West 37th Street-San Pedro, CA 90732
Realistic TRF, #12-656A
- (MR) Mike Riordan-P.O. Box 1195-Goleta, CA 93116
Panasonic RF-2200
- (MS) Mike Sanburn-P.O.Box 1256-Bellflower, CA 90707
GE Superadio
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio, GE long-range portable, SM-2

OF SPECIAL INTEREST:

- 800 KSOS UT, Brigham City 9/7 2300 o/u XEROK with Utah football game. Ex-KNKK. (MS-CA)
- 830 *KPLS* CA, Orange 9/8 1200-2200 new station noted testing all day with continuous OC, brief tones and guitar music. Bad news for So. Cal DX'ers. (MS-CA)
+9/25 0100 still testing, this time on night power. Semi-tone keying on and off much like Morse Code. KNCO still very audible underneath with ABC news. (MS-CA)
- 1230 KISP AZ, Phoenix 9/22 0008 ex-KAMJ, logged per call change with KGFJ nullled. ID "And now, back to the (?) on Kisp and Mix 101." Into urban dance music. Ex-KAMJ & KRIZ for me. (MS)
- *****
- 530 (TIS) CA, San Jose 9/23 0344 San Jose Airport TIS station totally off air for at least a week now. (RW-CA)
TIS CA, San Francisco 9/23 0350 Candlestick Park stadium TIS weak o/u two other uIDs with talk on upcoming S.F. Giants and 49'ers games, and that parking is \$5 for Giants games. New. (RW-CA)
- 650 KRDX CA, Rancho Cordova 9/23 0430 good signal in heavy KFI-640 QRM. ID as K-R-C-X (Spanish) per 1110 simulcast. (MS-CA)
- 720 (KDWN) NV, Las Vegas 9/22 0747 silent until almost 0900! Hope it becomes a habit. (LG-MT)
- ?KSAH? TX, Universal City 9/23 0445 heard Spanish station coming up through WGN. Or maybe Cuba? (MS-CA)
- 760 CKQR BC, Castlegar 9/24 2212 very strong with ID as "QR-760." (LG-MT)
- 810 *KGO* CA, San Francisco 9/15 0300-0900 noted testing with various tones & Neil Diamond music. (MS-CA)
KSWV NM, Santa Fe 9/15 0845 "K-Suave," bilingual program with Spanish music. (MS-CA)
- 830 KFLT AZ, Tucson 9/23 0904 ended news & weather with ID atop KUYO. (LG-MT)
KUYO WY, Evansville 9/22 0846 apparent antenna change, as it suddenly became much stronger. (LG-MT)
- 870 KPRM MN, Park Rapids 9/22 0800 s/on strong. Gave power as 25kw daytime, NRC Log lists 15kw. (LG-MT)
CKIR BC, Invermere 9/22 0900 with weather for Invermere, Golden, Revelstoke and Salmon Arm, moderately strong. Seemed much stronger than NRC Log listed 1kw. (LG-MT) (I enjoyed typing those cities--we went through all four on vacation this year!--NH)

- 1210 CFYM SK, Kindersley 9/21 nice ID 0859. Mentioned CJYM, too (listed on 1330 in NRC Log). (LG-MT)
- 1230 KLAV NV, Las Vegas 9/21 2300 atop with ID "Broadcasting live from Bob Stupiks Vegas-World, this is KLAV Los Vegas." Football game. (MS-CA)
- 1240 KSUE CA, Susanville 9/23 0300 tried for this one after TRH's recent Round-up. Ironically, logged on first try, actually dominating 1240! Heard ID "KSUE, KSUE-FM Susanville." S/off at 0300 gave address...said programming will resume "at 5 o'clock this morning. Thanks for listening and have a good night." SSB. (MS-CA)
- 1280 KDOL NY, Henderson 9/12 0201 spots in Spanish, 0203 "KDOL" ID in Spanish followed by "KDOL" by lady. On top since 0130, but fighting with KIT at top of hour, so no English ID heard. Ex-KREL. (pb-WA)
- 1350 CKEG BC, Nanaimo 8/31 0315 good over KSRO with C&W music and "C-Keg" ID. New. (JH-CA)
- 1360 KKMO WA, Tacoma 9/23 0225 in good tonight with ID over KRKK. (MS-CA)
- 1550 KAPL CA, Apple Valley 9/14 1157 logged per call change ex-RITH. Heard song "The Three Bells" followed by ID/news/sports. Judging from clearer signal, they're probably 5kw now. (MS)
- KZQQ UT, West Valley City 9/21 0828 "This is KZQQ, Salt Lake City" followed by "Esta es kah-zeta-koo-koo." In and out since 0800 mixing with KKHI, gone by 0835. (pb-WA)
- 1590 KHIT NV, Sun Valley 9/9 // FM. Now ID as KHIT (not KIIQ or KICK). (MS-CA)
- 1610 TIS WA, Chief Joseph Dam 9/22 0840 enthusiastic man said "Welcome to Chief Joseph Dam" at beginning of loop which seemed about 5 minutes. Also noted around 2300-0000 9/24, in & out with suspected Anguilla. (LG-MT)

AL CHANGES

- 850 KMDY CA, Thousand Oaks Su 9/22 1330 format change noted: ex-Comedy Radio (noted with comedy just a couple days earlier). Simulcasts FM with adult contemporary music. All IDs as "92.7." On hour annct. at 1400: "For the best lifestyles of Ventura County, we're 92.7 FM -- the home of grown-up rock." But true legal ID at 1405 "This is KNJO and KMDY, Thousand Oaks -- 92.7 FM and 850 AM -- the home of grown-up rock." (SMM-CA)
- +No longer comedy radio format. Simulcasts with FM KNJO 92.7 adcon format. The AM will have another format under new owner I am told by the station personnel. (MR-CA)

UNIDS

- 810 9/15 0630 heard Charismatic Black Gospel show fading up slowly in absence of KGO. Suspect KXOI. (MS-CA)
- 830 Testing with open carrier since July 1991. Probably future new station in Orange, CA? (MR-CA) (Sounds like it. See "Of Special Interest."--NH)
- 830 9/24 0510 unID TT lowd looping SE in WCCO null. Probably KPLS, Orange, CA ET'ing (not on air yet). (RW-CA)
- 860 9/24 2130-2200 Unknown Canadian very strong, entirely in French. At 2200, ID'd as "Radio Canada...CBKF-FM." Also noted 9/23 0840, mentioning Edmonton. Loops toward Alberta. Not listed in NRC Log. (LG-MT) (would be CBKF2 in Saskatoon, SK.--NH)
- 1260 9/23 0615 unID with satellite C&W weak in KOIT null, faded out before ID, couldn't tell network. Ideas? (RW-CA)

Thanks to all the reporters this week!

*** A DXers TECHNICAL GUIDE ***

Now in its 2nd edition, this 120 page book answers questions on how receivers work, how to make them work better, what audio filters and loop antennas will do for you, how to build a beverage and phasing unit, and much more. Only \$5.50 for IRCA members, \$6.50 for non-members (add \$2.50 for overseas airmail) Write: Phil Bytheway, 9705 Mary N.W., Seattle, WA 98117.



CENTRAL DX ROUNDUP

EDITOR

John C. Johnson
979 Neptune Boulevard
Billings, Montana 59105-2129

Reports Via Computer:
PRODIGY: MPNN49A

RIDING GAIN

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

SPECIAL INTEREST

870 KOWA NV Laughlin, EX-KROL. 9/29 weak with WWL & KORD nulled. 0245 with Country music, ID "KOWA AM 8-70" at times, mostly using slogan "The Cow" or "Cow Country 8-70." Something between each musical selection. [JcJ-MT]

DOWN THE DIAL

560 KLZ CO Denver, 9/24 good. Noticed airing KAZY (FM) instead of normal Z-Rock format. "KAZY Denver's Best" IDs. One announcement said "Z-Rock back at 10 AM." Not sure if this was a one time thing or something that will become normal. Perhaps one of our Denver members knows the whole story? [JcJ-MT]

580 CKUA AB Edmonton, 9/22 strong with CKY nulled. 0815 asking for contributions into song by John Tesh. Not needed, but rare here. [JcJ-MT]

690 KRCO OR Prineville, 9/24 briefly weak in CBU fade. XETRA nulled. 0840 with end of Northwest Livestock Report. ID during weather forecast, "35 at KRCO Country." OR#39. [JcJ-MT]

870 KORD WA Pasco, 9/29 strong, dominating. 0810 with rock oldies. IDing as "KORD, yesterday's music today." Not needed. [JcJ-MT]

1470 KHND ND Hardey, 9/29 good, mix with unknown Mexican. 0800 Sign on. No SSB. Short sign on message with "14-70 Radio KHND Harvey" into network news. Not needed. [JcJ-MT]

OPEN MIKE



The Meanest habit in the world is that of self-pity. Keep in mind that now that we are weekly the more tips and DX items sent in, the better the column appears! No "25 Years Ago" section this week as back in 1966 DX Monitor was not weekly in October. Send in those tips! 73, John.

الإذاعة ، التلفزيون
الجزائرية
مصلحة الشؤون التقنية
٢١ شارع الشهداء
الجزائر

الذمذم - Télévision
Algérienne
Direction des Services
Techniques
21, Bd des Martyrs
ALGER

QSL

PORT DU 27. SEPTEMBRE 20

EQUENCE 89.1 KHZ

JRES GMT 0250.0360



PATRICK MARTIN



Western DX Forum

★ ★ ★ ★

TEMPORARY EDITOR: Bill Hardy, 2301 Pacific Ave., Aberdeen, WA 98520.
Bill's deadlines: Sat. 19 October, Sat. 26 October.

NEW EDITOR (pending Board of Directors approval): Reid Wheeler,
5910 Boulevard Loop S.E., Olympia, WA 98501. Congratulations, Reid!
Reid's deadlines: Each Saturday beginning 2 November.

LARRY GODWIN, 2390 CLYDES DALE LANE, MISSOULA, MT 59801

Greetings! Thanks to Bill Hardy and Mike Hardester for loop info. Has anyone tried the Palomar BCB loop? Gilfer sells it for \$69.95. I've discovered two sources of QRM at my "shack": Waterbed heater and laptop computer. Simple solution: Turn both off when I'm DX'ing, hi. I've been hearing what seems to be Japan on several frequencies; see DXWW for details. Reception began on 22 Sept., the day before autumn began, and coincided with our first hard freeze in Missoula. Around 0830 EDT, I've been enjoying "Oldies Coast to Coast" from Canadians parallel on 800, 840, 870, 890, 900, 1200 and 1210. They ID at odd times, not necessarily on the hour. Hope everyone gets a share of the good DX popping up this young season. 73.

STEVE MITTMAN, 2248 WEST 37TH STREET, SAN PEDRO, CA 90732-4506

I was listening to KOA 850 Denver Sunday, 22 September, 0200-0700 ELT. Talkshow host Tom Jensen stated that he honestly did not believe a claim made by Roseanne (Barr) Arnold earlier in the evening that she was a victim of childhood incest; and for that, he believed that he would be fired after tonight's show. During the show, a lady announcer, Marsha, at Denver's classical music station called to say that a listener was trying to get her fired. Jensen on KOA simulcast the classical music for a full minute, including 30 seconds without any talking! 73 de SMM.

BILL HARDY, 2301 PACIFIC AVE., ABERDEEN, WA 98520

IRCA President Phil Bytheway called Saturday night, 28 September, with the news that two qualified people had volunteered to handle Western DX Forum, and that Phil had chosen Reid Wheeler to be the editor, pending BoD approval. I have talked with Reid, and he will take over on Saturday, 2 November. That makes my final deadline in Aberdeen a little more than one week from the day you read this, Saturday 26 October. I have met Reid and I feel he will do a fine job. Reid has met Ric Heald, as have I, although the three of us have not been in the same place at the same time! So remember that after the 26 October deadline, reports go to Reid in Olympia at the address above. And I hope you will support Reid in the same fine manner you have supported Ric and myself. 73 and good DX.

COLLEGE FOOTBALL 1991 via Bill Hardy

Arizona State SUN DEVILS Tom Dillon, Greg Schulte
620 KTAR-AZ and a network to be announced.

Brigham Young (BYU) COUGARS Paul James, Mark Lyons			
590 KID -ID	1150 KCFV-AZ	1340 KACH-ID	1520 KFPX-OR
KSUB-UT	1160 KSL -UT	1390 KENN-NM	
650 KMTI-UT	1230 KATO-AZ	1400 KRVZ-AZ	94.1 KXKQ-AZ
790 KUTA-UT	KBAR-ID	KART-ID	98.3 KARB-UT
890 KDXU-UT	1250 KNEU-UT	1490 KCID-ID	105.1 KMXU-UT

California GOLDEN BEARS Joe Starkey, Lee Grosscup			
670 KWNK-CA	1320 KCTC-CA	1450 KAVA-CA	92.7 KMFB-CA
810 <u>KGO -CA</u>	1400 KQMS-CA	149C KKKC-CA	103.3 KUKI-CA
970 KOOK-CA	1410 KMYC-CA		

Montana GRIZZLIES Bill Schwanke 1340 KYLT-MT only.

EASTERN DX FORUM

RICHARD C. EVANS
PO BOX 21883
MILWAUKEE WI 53221

Reports from members living east of the Mississippi River
Deadlines: Saturdays

Tom Laskowski, 1334 East Miner, South Bend, Indiana 46617

It seems as though the new DX season is arriving on a good note. I have had fairly good early morning openings to North Dakota, Montana and Saskatchewan on several days this week. I hope the conditions remain good or get better as the season progresses. I too have been enjoying the many technical articles which have been appearing in DX Monitor recently. I'd like to see a good, easy-to-follow construction article for a two wire phasing unit, as I would like to build one. Some of the earlier articles are difficult to follow. I recently bought a Hallicrafters WR-600 at a flea market for \$5. It doesn't work but it's in good condition. I suspect replacing the tubes will be all that's needed to get this set to work. Does anyone have any experience with MW DX on the WR-600? That's all for now. 73 and good DX.

R.C. Watts, 4109 Graf Drive, Louisville, Kentucky 40220-3016

The Clay City Times (8/29/91) noted that WIRV-1550 of Irvine, KY has added PM 106.1, WYCO, or "Coyote 106". Yes, we do have coyotes in Kentucky! The Courier-Journal (9/1/91) in re. tourist attraction owners Judy and Bill Austin of Horse Cave, KY: "they are working to create a low-frequency tourist-information radio station." This would be on I-65 near Mammoth Cave National Park. Got a couple QSLs for listening in Spain. BBC Greater London Radio's form letter and sticker. Europe 1 a sticker and nice QSL card. Only sent out a half dozen reports. The BCB is very crowded in Europe and I heard none of the stations on my "hit list".

Rick Evans, 4841 South 26th Street, Milwaukee, Wisconsin 53221

Contrary to reports that Chicago-820 would be back on the air during Sept., it's not being heard here on 9/30--unless it comes on during the afternoon after I mail this. I'm hearing good strength signals (relatively speaking considering the power) from WJPW-810 MI (with presumably WDMF-WI) underneath and WMMI-830 MI, and dead air between them. Chicago on 820 always put a good signal in here. This is just before noon. By the way, WJPW-810 was running Michigan Network news. We were down in Illinois on Sunday along US 34 between Oswego and I-39. One of the stops we made was in Sandwich, home of WAUR-930. That's the station which has ID'd in the past as "Sandwich-Chicago". I spotted a tower on the east side of town but not sure if it was there's or not. (It's between Sandwich and Plano.) And, while we ate lunch in Sandwich, I'd didn't have a sandwich--I just settled for one of McDonald's new pizzas, which aren't bad. Gotta run. 73.

XEX 730

LA SUPER GRANDE

Verification Signers



Editor: TIM HALL, 350 G St. #P-1, Chula Vista, CA 91910-4559
 Deadline: Last Friday of the month

CONTRIBUTORS TO COLUMN #57 (09/27/91):

- OA - OLLE ALM, Tjadervagen 6A, S 871 65 Harnosand, SWEDEN
 including information from members of the ARCTIC RADIO CLUB (ARC)
 PM - PAT MARTIN, P.O. Box 843, Seaside, OR 97138
 SMM - STEVE MITTMAN, 2248 West 37th St., San Pedro, CA 90732-4506
 MS - MIKE SANBURN, P.O. Box 1256, Bellflower, CA 90707
 OW - JOHN WILKINS, 3250 Garrison St., Wheat Ridge, CO 80033

FREQ	CALL	SIGNER'S NAME / TITLE	ADDRESS	WHAT	WHEN	WHO
540	KDPT	Regis P. Brown(?), PD	2303 W. Ledbetter #217 Dallas, TX 75224	P	12f	OW
570	CKSW	Ken L.A. Burgess, NX	Swift Current, SK	LB++	65	ARC
590	KHAR	Patricia E. Harpel, PRES.	Anchorage, AK	L	14	ARC
620	KIPA	Alan Roycroft	Hilo, HI	L	40	ARC
650	KMCE	Robert Rios, MGR.	5301 Madison Ave. #402 Sacramento, CA 95841	L	11	PM
660	KEYZ	Earl R. Gross [WDOAPE]	P.O. Box 2048 Williston, ND 58802	LB	7f	OW
690	KVNA	Rich Malone, OP MGR. [NOTE #1]	2690 E. Huntington Dr. Flagstaff, AZ 86004	LB		MS
700	CKRD	Marv "Casey" Gunderson, PD	Red Deer, AB	L	26	ARC
	KBYR	A.G. Hiebert, CHAIRMAN	Anchorage, AK	L	47	ARC
710	KIRO	Andy Ludlum, VP NX/PROG.	Seattle, WA	LB	18	ARC
720	KOTZ	David (???)	Kotzebue, AK	Q+	53	ARC
730	CKLG	[UNSIGNED QSL]	Vancouver, BC	QB	18	ARC
790	KOQO	E. Prince, GM	P.O. Box 25095 Fresno, CA 93729	L	9	PM
820	KCBF	Charlie O'Toole, PD	Fairbanks, AK	L	64	ARC
840	CHUR	Patty Gysel, STN MGR.	North Bay, ON	LB		ARC
850	KICY	John Mc Bride, STN MGR.	Nome, AK	L	20	ARC
890	CJDC	Jean Braden, TFC ASST.	Dawson Creek, BC	LB+	41	ARC
930	KKHJ	R. Santiago, PD	5724 Hollywood Blvd. Los Angeles, CA 90028	L	7	PM
950	KJR	Kelly D. Alford, TECH.	Seattle, WA	LB+	20	ARC
980	KDSJ	Mark Lindner	745 Main St. Deadwood, SD 57732	PL	10f+	OW
990	KKIS	Ken Boesen, PD	1855 Gateway Blvd. #440 Concord, CA 94520	L	12f	OW
	KSVP	Gene Dow, GM	317 W. Quay, Artesia, NM 88210	L	15	TRH
	XECL	Sylvia L. de Vildosila, GERENTE	P.O. Box 1014 Calexico, CA 92231	PL	52f	OW
1040	CIMA	Paul Mc Knight, PD	1199 W. Pender St. Vancouver, BC V6E 2R1	L	16	PM
1070	CFAX	Terry Spence, VP	Victoria, BC	L	19	ARC
	CHOK	Paul Mc Kee, PD	Sarnia, ON	LB+	19	ARC
	KNX	Michael P. SMITH, DIR OPS	Los Angeles, CA	LMB	91	ARC
1090	KING	Paul Vandegrift, CE	Seattle, WA	LM+	11	ARC
1120	WBIS	James D. Huber, OWNER	Bristol, CT	LB	35	ARC
1130	CKWX	Miss J. Farina	Vancouver, BC	LB+	42	ARC
1150	KRIQ	George J. Young, CE	Kelowna, BC	LB+	61	ARC
	KDEF	Scott Flury (Plum?)	2117 Menaul NE Albuquerque, NM 87105	P	5f	OW
	KSAL	Don Engelhardt, CE	Salina, KS	LM++	24	ARC
1170	CKGY	Clifford Wheeler, TECH SUPV	Red Deer, AB	LB	24	ARC

PREQ	CALL	SIGNER'S NAME / TITLE	ADDRESS	WHAT	WHEN	WHO
1190	CFSL	Jim Hutchings, CE	Weyburn, SK	Q	16	ARC
1200	CHMG	Susan O'Connor, PROMO	St. Albert, AB	L	42	ARC
1210	CFYM	George Leith, PD	P.O. Box 490, Rosetown, SK	L	21	OA
1240	CJCD	Charles Dent, GM	Yellowknife, NT	LB	24	ARC
	KODY	John Kelley, PD	308 W. Fourth St. North Platte, NE 69101	PL	5f	OW
	KWIK	"STAFF"	Pocatello, ID	L	27f	OA
1270	CHAT	Jay Hitch(?)	P.O. Box 1270 Medicine Hat, AB T1A 7H5	P	17f	OW
1280	CHQB	Derek Bouchard, PD	Powell River, BC	L+	20	ARC
	CJSL	Jim Hutchings, CE	Estevan, SK	Q++	16	ARC
	KXKL	Sky Walker, PD	Denver, CO	L+	48	ARC
1290	CIFX	[UNSIGNED QSL]	Winnipeg, MB	Q	27	ARC
	CJBK	Jeffrey Guy, VP ENG.	London, ON	QLB	63	ARC
	KCUB	Cliff Reno, CE	P.O. Box 50006 Tucson, AZ 85703	LB		MS
1310	KXAM	Dave Teller [N7SWP], PD / OP MGR / CHIEF OP.	6900 E. Camelback Rd. #540 Scottsdale, AZ 85251	L	5f	OW
1320	KCTC	James Balcom, CE	2225 19th St. Sacramento, CA 95818	L	125f	PM
1350	CKAR	Dave Lyman, GM	Oshawa, ON	LB	37	ARC
	KRRT	Joe Farrington, CE	Des Moines, IA	Q	15	ARC
1370	KGNO	Jerry A. Miller, CE	Dodge City, KS	LM+	28	ARC
1390	WGCI	[UNSIGNED CARD]	332 S. Michigan Ave. #600 Chicago, IL 60604	Q	400	ARC
1400	KODI	Rob Hamilton	P.O. Box 1210, Cody, WY 82414	L	17f	OA
	KSRR	Robert E. Morey, GM	1400 W. 400 N., Orem, UT 84057	L	21	OA
1430	CJXX	Claudia S. Dean, ASST PD	Grande Prairie, AB	LB		ARC
	KLO	Arlene Goodrich	Ogden, UT	QLM+	39	ARC
1440	CJOI	S. Michelle Berg	5220-51 Avenue Wetaskiwin, AB T9E 2X1	L	19	PM
1450	KNOT	Pauli J. Hurt, PD	P.O. Box 151 [NOTE #2] Prescott, AZ 86302	*		MS
	KONP	Kris Grier	313 W. First St. / Box 1450 Port Angeles, WA 98362	L	59f	OA
1470	KBSN	Ted R. Mason, GM	Moses Lake, WA	LMB+	15	ARC
	KMPI	Richard Mize, CHIEF OP/CE	3514 King's Court Sierra Vista, AZ 85635	L		MS
1480	WHBC	Bill Glasser, CE	Canton, OH	QLM	48	ARC
1490	KNDC	Ginger Arndorfer	P.O. Box 151	L	46f	OA
		Allen R. _____, GM	Hettinger, ND 58639	P	16f	OW
	KYCA	Art Hartzell, CE	500 E. Henry / P.O. Box 1631 Prescott, AZ 86302	L		MS
1520	KMAV	G. Dexheimer, GM	P.O. Box 36, Kwy 200 Mayville, ND 58257	P	7f	OW
1580	KCWW	Robert A. Van Buhler, CE	P.O. Box 3174, Tempe, AZ 85280	L		MS
1590	KDJS	Perry Kuger	P.O. Box 380 Willmar, MN 56201	LrB+	5	OW
	KHIT	Debi Laffer, NX DIR.	5290 Neil Rd. #220 Reno, NV 89502	L	26f	OA
1600	CHNR	Ron Michaels, PD	Simcoe, ON	LB	93	ARC
1610	KKG291	Ron Weinberg, PUB APP OFCR.	University of CA, Box 800 Livermore, CA 94550	L	9	PM
	TIS	Mr. Constantine J. Dillon,	National Park Service	L		SMM
	TIS	Mr. Costa Dillon, CHIEF OF INTERPRETATION	Santa Monica Mtns Nat Rec Area 50401 Agoura Rd., #100 Agoura Hills, CA 91301	PL+	13	TRH
		[NOTE #3]				
	TIS	Bill Palmers Hornbrook Inspection Stn	14601 N. Interstate 5 Hornbrook, CA 96044	L	6	PM
	TIS	Bill Hines, BIOLOGIST	Dept. of Fish & Wildlife P.O. Box 642 Gold Beach, OR 97444	L	13	PM
		[NOTE #4]				
WNM214?		Scott Summerfield, DIR. City of Newark	37101 Newark Blvd. Newark, CA 94560	L	10	PM

WHAT was received: Q=QSL card; L=Letter; B=Bumpersticker/other sticker; P=PFC.
WHEN the reply came: Number of days elapsed; f=Follow-up (report/phone call/visit).

- NOTES:
- 1) From verie: "It is obvious that this is only a freak of nature." (1)
 - 2) Verie statement scribbled on business card.
 - 3) This is a new TIS station in Malibu. The same group operates another station at Point Mugu, and will soon have two more stations along Mulholland Hwy, at Las Virgenes Rd. and Kanan Rd. (all 1610). Thanks to STEVE MITTMAN for help in tracking down a signer - TRH.
 - 4) This is for the TIS station near Reedsport, Oregon.

Excellent turnout! Due to an unexpected change in work deadlines, it looks like I WILL be able to make the convention in Monterey. Hope to see you there! 73, TRH.

The VERIFICATION SIGNERS ANNUAL is now available through the IRCA Reprint Service. This publication lists verification signers for approximately 800 different stations, as submitted to this column over the past year. Column numbers and masthead dates are listed so you can look up the addresses in DXM. Typefont is the same one used here, but will appear LARGER because we didn't have to reduce it so much for printing purposes (same as the Mexican list updater). Prices are \$2.00 to U.S. addresses, \$2.25 U.S. to Canadian addresses, and \$2.75 U.S. to foreign addresses.

Send your order to: IRCA Reprint Service, Steve Ratzlaff, 295 Pettis Ave.,
Mountain View, CA 94041.

UPDATER #2 to the IRCA MEXICAN LIST, 2nd EDITION is now available from the IRCA Reprint Service. This updater contains new information for over 130 stations. It includes information gathered by Neil Kazaross, who drove along the Mexican border from San Diego to West Texas collecting information on the stations most likely to be logged by U.S. DXers.

UPDATER #1, which contains information on Mexican networks as well as station information actually gathered from within Western Mexico, is also still available.

Updaters #1 and #2 are each available for \$1.00 to the U.S., \$1.25 to Canada, \$1.75 overseas.

Send your order to: IRCA Reprint Service, Steve Ratzlaff, 295 Pettis Ave.,
Mountain View, CA 94041

RADIO VANUATU

N
A
T
I
O
N
A
L
S
E
R
V
I
C
E



Set Gong (Tam Tam) from Ambrym (sanc)
used in village to village communications
and in custom ceremonies

Q.S.L.

To Prof. *Some R. Bryant*

of (U.S.A.)

I AM PLEASED TO VERIFY YOUR

RECEPTION OF THIS STATION

AT G.M.T. ^{1P} *0722* DATE 19-3-90

ON 1125-3945, 7260 KHZ

flag
For RADIO VANUATU
P.O. Box 49,
PORT VILA, VANUATU

Geomagnetic Indices

Time for a change. In order to conserve space in DX Monitor (and to make it quicker for me), I have decided to change the format for this column. I have tried to keep it as small as possible, yet include all the information that is broadcast by WWV. I have marked the high (+) and low (-) flux for the cycle. A few new abbreviations are necessary. They are: GEO - geomagnetic activity, maf - major flare, mas - major storm, mif - minor flare, mis - minor storm, pca - polar cap absorption, SA - solar activity, spe - satellite proton event and ss - severe storm. Let me know what you like/don't like about the new format. pb

Geomagnetic Summary May 5 1991 through June 20 1991

Date	FLUX	A	K	SA	GEO	ETC
5/25	173	28	3	low	unsettled-mis	-
26	184	18	4	medium	unsettled-active	-
27	194	18	4	medium	unsettled-active	-
28	210	25	5	high	unsettled-active	maf
29	206	22	3	high	unsettled-active	maf
30	231	15	3	high	unsettled	maf
31	219	25	4	medium	active-mis	spe
6/1	220	41	6	high	mis	maf/mis/spe
2	243	44	2	high	mis	maf/spe
3	217	11	2	high	quiet-unsettled	maf/spe
4	239	36	5	high	active-mas	maf/mis/spe/pca
5	+252	51	5	high	major-ss	maf/mas/spe/pca
6	240	30	3	medium	quiet-mas	spe/pca
7	228	27	3	medium	unsettled-mis	spe/pca
8	243	18	6	high	unsettled-mas	maf/spe/pca
9	238	35	4	high	unsettled-active	mis/spe/pca
10	239	70	7	high	mas	2maf
11	236	78	5	high	active-ss	maf/mas/spe/pca
12	230	47	8	medium	minor-mas	mas/spe/pca
13	218	88	4	high	active-ss	2maf/mas/spe/pca
14	201	11	1	medium	quiet-unsettled	spe
15	197	13	1	high	quiet-unsettled	2maf/spe/pca
16	185	4	3	high	quiet	maf/spe/pca
17	177	37	4	medium	quiet-mas	mis/spe/pca
18	173	19	4	low	active-unsettled	spe
19	175	21	3	medium	unsettled-active	-
6/20	-166	12	4	medium	unsettled	-

Geomagnetic Summary June 21 1991 through July 17 1991

Date	FLUX	A	K	SA	GEO	ETC
6/21	170	21	3	medium	unsettled-active	-
22	170	18	4	low	unsettled-active	-
23	161	26	4	medium	active	-
24	168	24	3	low	active	-
25	173	15	4	low	unsettled	-
26	185	21	2	low	active-unsettled	-
27	200	10	3	medium	quiet-unsettled	-
28	211	12	1	high	quiet-unsettled	maf
29	227	4	4	high	quiet-unsettled	maf
30	236	18	3	high	unsettled-active	maf/spe
7/1	242	8	3	medium	quiet	spe/pca
2	244	14	4	medium	unsettled	spe/pca
3	249	20	2	medium	unsettled-active	spe
4	247	11	1	low	quiet-unsettled	spe
5	+251	4	1	high	quiet	maf
6	233	6	3	high	quiet	maf/spe
7	219	6	3	low	quiet	spe/pca
8	204	36	5	low	unsettled-mas	mis/spe/pca
9	194	41	5	medium	active-mas	mas
10	194	21	2	medium	unsettled	-
11	196e	17	3	high	quiet-active	maf
12	203	19	4	low	unsettled-active	-
13	196	73	5	medium	active-mas	mas
14	189	37	4	medium	unsettled-mas	mis
15	186	12	3	medium	unsettled	-
16	167	16	4	low	quiet-active	-
7/17	-159	25	5	high	active	maf

Geomagnetic Indices

+	high flux point	mas	major storm	SA	solar activity
-	low flux point	mif	minor flare	spe	satellite proton event
GEO	geomagnetic activity	mis	minor storm	ss	severe storm
maf	major flare	pca	polar cap absorption		

Geomagnetic Summary July 18 1991 through Aug 13 1991

Date	FLUX	A	K	SA	GEO	ETC
7/18	189	17	4	high	quiet-unsettled	maf
19	178	24	3	high	unsettled-active	maf
20	199	23	4	low	unsettled-active	-
21	215	20	3	low	unsettled	-
22	223	15	3	high	unsettled	maf
23	227	11	2	medium	quiet-unsettled	-
24	+233	7	2	low	quiet	-
25	230	11	1	low	quiet-unsettled	-
26	220	5	2	low	quiet	-
27	213	5	2	low	quiet	-
28	213	6	2	low	quiet	-
29	220	8	3	medium	quiet-unsettled	-
30	222	8	2	high	quiet-unsettled	2maf
31	219	6	2	medium	quiet	-
8/1	225	24	4	high	quiet-active	maf
2	207	38	3	high	unsettled-mas	maf/mis
3	213	27	4	high	unsettled-mis	maf
4	193	29	5	medium	unsettled-mis	-
5	174	26	4	medium	unsettled-mis	-
6	167	29	5	medium	quiet-mis	mis
7	165	15	3	medium	quiet-active	-
8	159	12	2	low	quiet-unsettled	-
9	150	12	3	low	quiet-unsettled	-
10	142	9	3	low	quiet-active	-
11	-139	15	2	low	quiet-unsettled	-
12	147	36	2	low	quiet-mas	mis
8/13	155	7	1	low	quiet	-

Geomagnetic Summary Aug 14 1991 through Sept 9 1991

Date	FLUX	A	K	SA	GEO	ETC
8/14	175	10	4	low	quiet-active	-
15	215	24	3	low	unsettled-active	-
16	-	-	-	-	-	-
17	271	19	3	medium	unsettled-active	-
18	284	16	4	medium	quiet-active	-
19	290	36	2	low	unsettled-mis	mis
20	+296	26	5	medium	unsettled-mis	mis
21	285	35	6	medium	unsettled-mis	mis
22	285	31	3	medium	unsettled-mis	mis
23	271	12	3	medium	quiet-active	-
24	249	9	3	high	unsettled	maf
25	238	13	3	medium	unsettled	-
26	210	10	3	medium	quiet-unsettled	spe
27	196	20	3	medium	unsettled-active	spe/pca
28	190	12	2	medium	quiet-unsettled	spe/pca
29	195	12	2	medium	quiet-unsettled	-
30	196	25	2	medium	quiet-mis	-
31	182	28	4	low	quiet-mis	-
9/1	176	27	4	low	unsettled-mis	mis
2	181	30	4	low	quiet-mis	mis
3	175	17	2	low	quiet-active	-
4	171	12	5	medium	quiet-active	-
5	164	25	4	medium	quiet-mis	-
6	176	14	4	low	quiet-unsettled	-
7	174	13	4	high	quiet-unsettled	maf
8	196	19	4	high	unsettled-active	maf
9/9	181	29	5	medium	unsettled-active	-

(Table 2 - cont.)

14	R5	pot., 1K, linear	MOU	31CR301	1
15	R6	resistor, 1 ohm	MOU	29SJ500-1.0	1
16	R7,R8	resistor, 100 ohm	RS	274-1311	2
17	R9,R10	resistor, 5.1 ohm	MOU	29SJ500-5.1	2
18	R11-R14,R17	resistor, 330 ohm	RS	271-1315	5
19	R15,R16	resistor, 62 ohm	MOU	29SJ500-62	2
20	RFC1,RFC2	inductor, 3300 uH	MOU	43LH233	2
21	S1,S2	switch,SPDT,on-on	RS	275-326	2
22	S3	switch/3pole/4pos.rotary	MOU	10WW034	1
23	S4	switch,3PDT,on-on	MOU	10TC280	1
24	for R1-R5,S3	knob	RS	274-416	6

Small hardware items (for G1, G2, G3, A1, TA1)

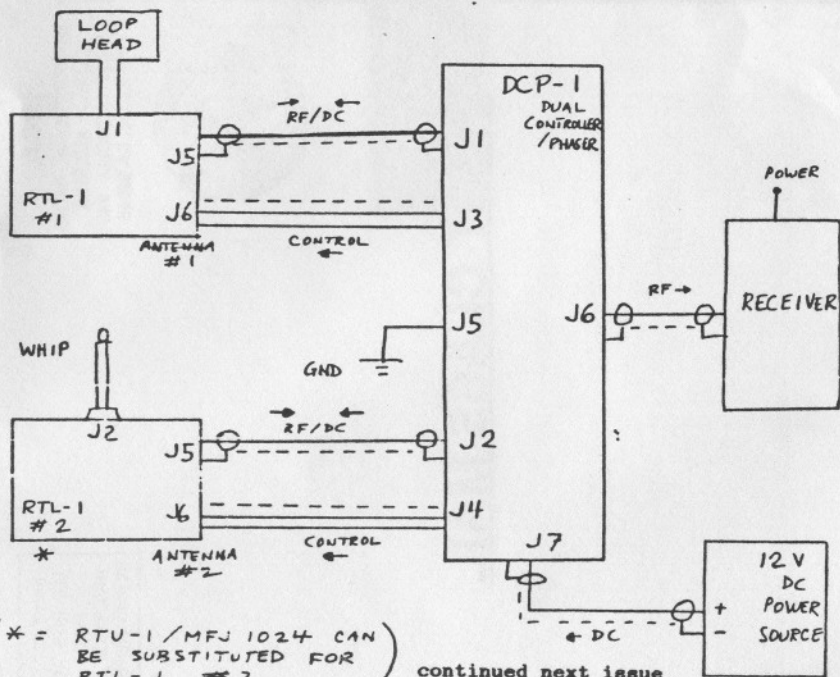
25	-	screw, 4-40 X .25"	MOU	572-01880	8
26	-	split lockwasher, #4	MOU	572-00649	6
27	-	solder lug, #4	MOU	534-7311	3
28	-	hex nut, 4-40	MOU	572-00486	3

Misc. items: hook-up wire, buss wire, solder, labels "AS REQUIRED"

+++++

APPENDIX

BLOCK DIAGRAM OF A DCP-1 BASED LOOP-VS.-WHIP PHASING SYSTEM



15 (* = RTU-1/MFJ 1024 CAN BE SUBSTITUTED FOR RTL-1 #2)

continued next issue

THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (510 - 1630 khz). **DX Monitor**, the official publication of the IRCA, is published 34 times a year, weekly 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 Association of North American Radio Clubs.

CLUB ADDRESSES AND OFFICERS

President: Karl Zuk, 154 Old Post Road North, Croton, NY 10520-1932 (proposals).

Secretary-Treasurer: Bruce Portzer, 6546 19th NE, Seattle, WA 98115.

Board of Directors: Ernest R. Cooper, Richard Evans, Ric Heald, John C. Johnson, Patrick Martin, Bruce Portzer and Rich Toebe.

Editor-in-Chief/Publisher: Ralph Sanserino, 11300 Magnolia, #43, Riverside, CA 92505.

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

MEMBERSHIP DUES

U.S. - \$25.00 per year. Canada - \$27.00. Overseas Surface - \$28.50. Overseas Airmail - \$35.00 (Central America, Caribbean, Colombia and Venezuela), \$38.00 (Europe, North Africa, Middle East), \$41.00 (rest of the world). One time charge for New Member Packet - \$2.00 (first year only). Trial Membership - \$9.50 (10 issues of **DX Monitor** and a New Member Packet, U.S. / Canada / Mexico only). Installment rate: two payments of 1/2 dues plus \$1.00 (\$13.50/payment for U.S. members). Make checks and money orders payable to IRCA and send all dues (and address changes) to: IRCA, 11300 Magnolia, #43, Riverside, CA 92505. Persons living outside the U.S., please use International Money Order in U.S. funds. Sample copies of **DX Monitor** are \$1.00 (U.S. or Canadian) or two International Reply Coupons each and are available from: IRCA, 11300 Magnolia, #43, Riverside, CA 92505.

Unless otherwise noted, permission is granted to publish, broadcast, or otherwise reproduce non-copyrighted material appearing in **DX Monitor** provided credit is given to the IRCA and the original contributor. Opinions expressed in **DX Monitor** are those of the original contributors and do not necessarily reflect those of the IRCA, its publishing staff, editors or officers.

IRCA

INTERNATIONAL RADIO
CLUB OF AMERICA
11300 MAGNOLIA #43
RIVERSIDE, CA 92505



FIRST CLASS MAIL

29-09
J D STEPHENS
122 BRAWLEY DRIVE
OWENS CROSS ROADS
AL 35763
USA

FIRST CLASS
U.S. POSTAGE
PAID
RIVERSIDE, CA
PERMIT NO. 5214