

JULY 17, 1993 - VOLUME 30 - NUMBER 33 - EDITION 991 - ISSN 0899 - 9732

IN THIS ISSUE: 1993 IRCA CONVENTION SUMMARY..1 & 2. BROADCASTING INFORMATION..3 to 8. DX WORLDWIDE WEST..9 to 12. DX WORLDWIDE EAST..12 to 13. WESTERN DX ROUNDUP..14 to 17. CENTRAL DX ROUNDUP..18 to 19. GEOMAGNETIC INDICES..19. EASTERN DX ROUNDUP..20. WESTERN DX FORUM.. 21. EASTERN DX FORUM..22 to 24. VERIFICATION SIGNERS..24 TO 25. KAN ADIAN KORNER..26. SPORTSCHANNEL 27 to 28 continued from last issue. KIWA MW LOOP ANTENNA REVIEW..29 to 32. IRCA DX TECHNIQUES..33 to 34. IRCA AM-FM ALMANAC-LIMITED EDITION AD..34. THE RADIO STATION..35. QUANTUM LOOP COUPLER & UPGRADES..36 to 38. BACK PAGE OFFICERS & DUES.

NEW MEMBERS: BRUCE CONTI, JOHN CHILTON. **REJOIN:** JAMES VERNON.

RENEWALS: MIKE STONEBRIDGE, RICHARD ECKMAN, DAVID WURL, DAVID LEWIS, GARY PENLEY...WELCOME BRUCE, JOHN & JAMES. THANK YOU ALL.....

1993 IRCA CONVENTION VIDEO TAPE: HIGHLIGHTS OF THE CONVENTION ON A 2 HOUR & 45 MINUTE TAPE, TAPED BY ERNIE J WESOLOWSKI. \$20.00 POSTPAID. \$5.00 WILL BE DONATED TO THE IRCA. ORDER THE TAPE FROM ERNIE J WESOLOWSKI 13312 WESTWOOD LANE OMAHA NE 68144-3543. TAPE INCLUDES KTWO, KPWO, KRQE PLUS A COUPLE OF OTHERS. THANK YOU ERNIE.....

GE SUPERADIO II & III: I HAVE BEEN RUNNING A SIDE BY SIDE CHECK OF THESE 2 RADIOS FOR THE LAST 2 NIGHTS. BOTH RADIOS ARE BRAND NEW RIGHT OUT OF THE BOX. THE SUPERADIO III IS THE UPGRADED MODEL. I FOUND VERY LITTLE DIFFERENCE IN SELECTIVITY, SENSITIVITY BETWEEN THE 2 RADIOS AND TO MY EAR THE SUPERADIO III HAD BETTER AUDIO. I WOULD SAY THAT THE UPGRADED III IS AS GOOD AS THE II. SO I AM GOING TO KEEP THE III AND SELL THE II. IF ANYONE WANTS THE II LET ME KNOW.....

TED VASILOPOULOS AWARD: I RECEIVED THE TVA AT THE 1993 CONVENTION. I WOULD LIKE TO THANK ALL WHO VOTED. THE CLAP OF HANDS WAS VERY NICE, I THANK YOU ALL VERY MUCH. A PAT ON THE BACK MAKES ALL THE WORK WORTH IT. WITHOUT ALL YOU HELPERS OUT THERE I COULD NOT HAVE GOT THE JOB DONE. AGAIN THANK YOU ALL VERY MUCH.....

NOISE FILTER: DSP-9 AND DSP-59 NOISE FILTERS, THESE ARE SOME OF THE BEST AROUND. THEY GO BETWEEN YOUR RECEIVER AND SPEAKER. WRITE FOR THE BROCHURE: TIMEWAVE TECHNOLOGY INC 2401 PILOT KNOB RD ST PAUL MN 55120 PHONE 612-452-5939 FAX 612-452-4571.....

IN THE WORKS: THE WORKERS ARE CURRENTLY PUTTING TOGETHER UPGRADES OF THE FOLLOWING ITEMS: IRCA AM-FM ALMANAC, A DXER'S TECHNICAL GUIDE, NEW MEMBER PACKET (A COPY TO ALL MEMBERS WHEN THIS IS FINISHED), TRYING TO GATHER THE INFO FOR AN UPGRADED MEXICAN LIST. TIM HALL WHERE ARE YOU ? CARL HUFFAKER WILL YOU HELP OUT ??.....

BILLINGS

1993 IRCA CONVENTION SUMMARY

The 1993 IRCA Convention was held in Billings, Montana on June 25, 26, and 27th. 27 people attended the event. Dale Park from Honolulu was the first member to arrive, and also the member attending from the farthest point. Dave Watmough's van, with its colorful collection of stickers pasted on the outside, was a hot topic of conversation at the convention. The convention was dedicated to Ric Heald. Those attending were:

Frank Aden of Boise, ID
Shawn Axelrod of Winnipeg, MB
Phil Bytheway of Seattle, WA
Larry Godwin of Missoula, MT
Steve Hawkins of Manteca, CA
Bill and Nancy Hardy (and Billy & Melanie) of Aberdeen, WA
Wayne Heinen of Denver, CO
John Johnson of Billings, MT
George Kesteven of Calgary, AB
Leonard Kesteven of Calgary, AB
Wayne McRae of Winnipeg, MB
Bill Nittler of Mancos, CO
Dale Park of Honolulu, HI
Nigel Pimblett of Medicine Hat, AB
Bruce and Evelyn Portzer (and Theresa and Steve) of Seattle, WA
Mike Sanburn of Bellflower, CA
Ralph Sanserino of Riverside, CA
Craig Siegenthaler of Yakima, WA
Michael Stonebridge of Fox Creek, AB
Paul Swearingen of Topeka, KS
R.C. Watts of Louisville, KY
Stan Weisbeck of Spokane, WA
Ernie Wesolowski of Omaha, NE
Robert Wien of San Jose, CA
Dave Whatmough of Ontario

Friday afternoon was a get aquatinted day and tours of KOHZ (FM) and KTVQ. The KOHZ (FM) studios are in the tallest building in Montana. Members got to view the production of newscasts at KTVQ. John and Larry conducted the traditional convention quiz Friday evening. All members demonstrated their knowledge and prowess and won prizes. John asked a number of questions relating to the Billings market. Larry stumped the crowd with his first question, "Who on 1230 IDs as *Radio 1230?*" At the Friday night DX'pedition, some believed they heard a wild animal stalking the tent where the receivers were set up. It's amazing the sound you can get by pulling a wire under a large empty box. Some highlights of the marathon DX session included CIAO-530, Cuba-1180, a 1610 TIS at Fort Peck Reservoir, MT, and Anguilla-1615.

On Saturday morning, Craig Siegenthaler conducted a demonstration of his Kiwa loop. The loop was attached to his "portable" Hammarlund Super Pro receiver. Attending members Phil Bytheway, Bruce Portzer, Stan Weisbeck, and Larry Godwin have recently purchased this loop. Saturday afternoon tours started out at the Sheraton Hotel studios of KCTR, KCTR-FM, and KKBR (FM). Some of the group even got on the air at KCTR to discuss the hobby. The DJ was quickly corrected when he said the group were amateurs. A complete tour of KTVQ followed. Then everyone enjoyed the view from the Coburn Road antenna farm. Members got to see the 1950's channel 2 studios and current transmitter location for KTVQ and KOHZ (FM). One member commented on how far you can see in Big Sky country.

Continued on next page.

1993 IRCA CONVENTION SUMMARY CONTINUED.....

Saturday evening started out with the annual business meeting. President Phil Bytheway reported the results of the member survey concerning the advisability of merging the IRCA and NRC bulletins. The recent voting was highly skewed toward rejecting any such plan. Attendee NRC Publisher Paul Swearingen then presented his proposal to accomplish such a merger. He said the primary benefit would be efficiency of publication. Those IRCA members at the business meeting who voiced opinions to his proposal generally voiced objections. Bill Hardy pointed out that some believe IRCA's identity is intimately tied to our separate bulletin, and if we should lose that aspect, we would also lose our identity. Bill also reported his substantial progress toward the next *IRCA Almanac*, and explained he is creating the various chapters using his new computer. This years TVA was awarded to J.D. Stephens.

Saturday evening's catered banquet was followed by a talk by guest speaker Vic Miller. Vic worked at KOOK radio in the 1950's and has been with channel 2 since day one. Vic entertained all with his stories of 1950's radio broadcasting. Some asked questions about the current state of broadcasting. Vic pointed out that as long as we have senators we will have local radio and TV broadcast facilities.

The annual auction was held next. Phil Bytheway was our auctioneer with John Johnson and Larry Godwin assisting. The auction netted the club treasury some \$330. This money is destined to facilitate production of the new edition of the *IRCA Almanac*.

Some members chose to stay up late watching John John's slide presentation of radio and TV stations. Slides from Spain, Canada, and USA stations were featured.

When members registered they received a pair of personalized ball-point pens commemorating the 1993 convention and a lucky number Q-2 card. Saturday night the lucky number was picked by a Quality Inn desk clerk. Wayne Heinen won the prize, a Sony Walkman. Convention expenses came out under budget. As a result we were able to send J.D. Stephens a check for \$50 to use for CPC expenses.

Another highlight of the convention was on Sunday when various members went to Pioneer Park for a picnic. We enjoyed simple fare beneath the shady trees and discussed such things as contests and IRCA's future. The Hardy's and Portzer's left for their next camping destination. Others said their goodbyes.

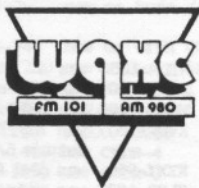
The Sunday night DX'pedition had to be canceled when a thunderstorm blew through. Even DX'pedition veterans Shawn Axelrod and Wayne McRae who are used to below freezing in-the-snow outings were not ready to fight lightning. Members instead grouped at the Quality Inn for more discussions.

Everyone attending had a wonderful time. It was fun to put faces with names and to catch up on what's been happening with old friends. Many expressed an interest to return to Big Sky Country someday.

John C. Johnson, Billings, Montana

Larry Godwin, Missoula, Montana

KALAMAZOO'S BEST — THE WINGS AND WQXC



Voice of the Wings Mike Miller
daily at 6:00 p.m. with the K-Wing Update.

BROADCASTING INFORMATION

EDITOR: ROBERT WIEN 1309 DENTWOOD DR SAN JOSE CA 95118

DEADLINES: 2nd & 4th Saturdays.

Compiled: 06/07/93

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 & PARAMETER APPLICATIONS:

AR. Helena	KFFA-1360	90-N
CA. Costa Mesa	KOJY-540	250-D <u>only</u>
IL. Chicago	WSCR-820	1200-N
MN. Minneapolis	KNOW-1330	9700/5100
OR. Waldport	KORC-850	move to 820 khz., 1000/100 ND
TN. Nashville	WVGM-1560	1500-D, 930-CH

FACILITY & PARAMETER GRANTS: NONE

CALL LETTER CHANGES:

AL. Madison	WKMW-730	becomes WBBI
Tuscaloosa	WNPT-1280	becomes WWPG
CA. Fresno	KFSO-980	becomes KEYQ
CT. Bloomfield	WLVB-1550	requests WRDM
FL. Atlantic Beach	WQBR-1600	becomes WNCM
KY. Louisville	WJDX-1080	becomes WWSN
MI. Marine City	WSMA-1590	requests WIFN
MN. Richfield	KMZZ-980	becomes KRXX
NY. Plattsburgh	WKDR-1070	becomes WNWX ("News")
Rochester	WRMM-990	becomes WCMF
Rome	WZLG-1450	becomes WFRG ("Frog")
PA. Philadelphia	WEAZ-560	becomes WBEB
RI. East Providence	WVRX-1110	becomes WHIM
TN. Knoxville	WIMZ-1240	becomes WEZK
TX. Abilene	KEYJ-1560	becomes KBBA
Breckenridge	KSTB-1430	becomes KBIL
VT. Burlington	WDOT-1390	becomes WKDR

FORMAT CHANGES:

AL. Alexander City	WTLM-1050	was s. gospel, now SEN sports
Madison	WKMW-730	was nx, now silent pending sale
Tuscaloosa	WWPG-1280	was WNPT, urban AC//FM, now urban //WQLW
AK. Kodiak	KVOK-560	was AC//FM, now silent f/repairs, to return 6/11
CA. Apple Valley	KZXY-960	was SMN Real C&W, now SMN C&W//KIXA
Redding	KLXR-1230	was silent, now IBN talk
CO. Denver	KDEN-1340	was nx/talk, now silent
Manitou Springs	KXRE-1490	was silent, now SS//KXRU
FL. Quincy	WWSO-1230	was black gospel, now silent

FORMAT CHANGES (CONT.):

GA. Americus	WDEC-1290	was oldies, now silent
Columbus	WSTH-540	was C&W//FM, now southern gospel
Donalsonville	WSEM-1500	was C&W, s. gospel, now WSB talk, s. gospel
IL. Aurora	WBIG-1280	was AC, rock, adds MBS King talk
Freeport	WFRL-1570	was AC, adds EFM, MBS talk
KY. Hartford	WLLS-1600	was country, now country, rock (country 6-9 AM only)
Paintsville	WSIP-1490	was country//FM, to be s. gospel (July)
MI. Fenton	WCXI-1160	was country, rptd. silent
MN. St. Paul	WDGY-630	was CHR//KDWB-FM, now AS
MS. Magee	WSJC-810	was silent, now s. gospel
West Point	WROB-1450	was CHR, urban, now EZL//WKBB
NH. Hanover	WTSL-1400	was AC, now talk
NY. New York City	WZRC-1480	was hard rock, now Unis. C&W
North Syracuse	WNSS-1200	was nx/talk, now soft AC//WEZG
NC. Camp Lejeune	WNOF-1580	was silent f/rprs, now MGS c. Xtian
Clayton	WHPY-1590	was talk //WCRY, now silent
OK. Muskogee	KMUS-1380	was urban, now urban AC
Sallisaw	KKID-1560	was s. gospel, now C&W//KKUZ
OR. Stayton	KCKX-1460	was C&W, adds JSN C&W
PA. Kane	WQLE-960	was soft AC, talk, rptd. silent
SC. Hardeeville	WBEU-960	was AC//WKYZ, now Unis. stds.
SD. Winner	KWYR-1260	was country, adds SMN Real C&W nights
TN. Ardmore	WSLV-1110	was country, now C&W AM's, s. gospel
Dayton	WREA-1520	was CHR, now country
Etowah	WCPH-1220	was silent, now c. Xtian //WDRZ
Harrogate	WSVQ-740	was country, now s. gospel, bluegrass
Knoxville	WDMF-1580	was black gospel, rptd. silent
Madisonville	WRKQ-1250	was silent, now country
TX. Abilene	KBBA-1560	was KEYJ, rock//FM, now Tejano
Slayton	KCAS-1050	was country gold, now s. gospel
UT. Price	KOAL-750	was country, talk, now talk only
VA. Charlottesville	WKAV-1400	was stds., now EZL
WI. Ladysmith	WLDY-1340	was country, talk, AC, now talk
ON. Toronto	CFTR-680	was CHR, now nx "680 news"

Shawn Axelrod of Winnipeg, MB. sends in the following Canadian tips:

AB. Rocky Mtn. House	CBPE-1490	now on here with 30 watts
BC. Braborne	CBRZ-1350	moved here from 630 per DOC
Cassier	CBOG-1560	is silent
Chetwynd	CHET-1450	is silent per DOC
Fort St. James	CIFJ-1480	now here ex-1450
Kimberley	CKKI-1460	now on
Terrace	CFNR-990	now on with 40 watts
Ucululet	CBPU-1260	new TIS station is 25 watts
NB. Perth-Andover	CJCJ-1-1140	now on here //CJCJ-920
Plaster Rock	CJCJ-2-990	now on here //CJCJ-920
NF. Stephenville	CHUG-740	now on with 40 watts
NS Sheet Harbour	CBAZ-1230	now silent, has gone to FM
NWT Inuvik	CHAK-860	now here, not 870, never was on 870
Tuktoyaktuk	CFCP-990	now here, not 600, per DOC
MB. Brandon	CKX-1150	50000/10000
ON. Ear Falls	CKEF-1450	now CKDR-4
Hudson	CKHD-1450	now CKDR-3
Ignace	CKIG-1340	now CKDR-1
Manitowadge	CBEB-1010	silent, moved to FM
Red Lake	CKDR-5-1340	now CKDR-5 (???-ed)
Sarnia	CFOT-1150	silent for last 2 years
Sioux Lookout	CKSI-1400	now CKDR-2

PQ. Dolbeau	CHVD-1230	now on with 30 watts
Joliette	CJLM-1350	now silent
La Tuque	CEME-830	now here with 40 watts
Mont Apica	CKMA-1340	silent per DOC
Montreal	CKAC-1-710	now on during Expo baseball games in Olympic stadium //730, 10 w.
Murdochville	CHNC-1-1450	now on w/50 watts //CHNC
Pohengamook	CHRT-1450	now on w/1000 w. //CJFP
Riviere au Renard	CBGA-3-1550	now silent, moved to FM
St. Anne Des Monts	CBGN-1340	now CBGA-7
St. Pamphile	CHAL-1350	now silent
Temiscamengue	CKVT-1340	now silent per DOC

Wow, what a big contribution from Shawn, thanks Shawn! Your tips, no matter how many or few, are always welcome here, of course we may need to add another DXM to print everything, hi. Just 2 weeks till the convention now, and it rained here, DX is slow, so maybe the convention will pick things up! 73's.

DEADLINES: 2nd & 4th Saturdays.

Compiled: 06/21/93

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

NEW STATION APPLICATIONS:

OR. Lebanon 1570 khz. 1000/1000

NEW STATION GRANTS: NONE

CONSTRUCTION PERMIT ACTIVITY:

KY. Florence WEND-1180 moves to 1160, 5000/1000 DA-2

FACILITY & PARAMETER APPLICATIONS:

CO. Commerce City KMVP-670 5000-D (CP)
 FL. Punta Gorda WCCF-1580 350-N

FACILITY & PARAMETER GRANTS:

CA. Costa Mesa KOJY-540 25000/240 DA-3 (corrects tip of 'daytime only')
 NJ. Atlantic City WMID-1340 870/870 ND
 TN. Germantown WNWZ-1430 2500-D, DA-1

CALL LETTER CHANGES: NONE

FORMAT CHANGES:

AL. Scottsboro	WZCT-1330	was oldies, now JSN oldies
AR. Clinton	KGFL-1110	was country//KHPQ, to be talk (July)
CA. Banning	KMET-1490	was stds., now silent
Crescent City	KPOD-1240	was country//FM, now JSN soft AC
San Diego	KSDO-1130	was nx/talk, adds Unis. Liddy talk, drops Larry King
Victorville	KCIN-1590	was nx/talk, now SMN stds. "Star"
CT. Sharon	WKZE-1020	was AC//FM, now country
DE. Seaford	WECY-1280	was AC//FM, to be nx/talk (July)
DC. Washington	WUST-1120	was black gospel, now ethnic
FL. Brandenton	WJRB-1490	was stds., talk, now silent pend. sale
Dade City	WDCF-1350	was country, adds SS 7-9 PM
Miami	WINZ-940	was nx, adds sports nights
Sarasota	WQSA-1220	was nx/talk, now stds., talk
Seffner	WYK-1010	was trad. C&W, now talk "1010 talks", to add Imus, Liddy, Don & Mike shows

GA. Newnan	WCOH-1400	was AC, now JSN country
Sandersville	WSNT-1490	was country, AC//FM, now JSN CD-C&W//FM
HI. Honolulu	KOHO-1170	was Japanese, rtpd. silent
ID. Rexburg	KRXK-1230	was country//FM, talk, now talk
IN. Terre Haute	WBFX-1230	was silent, now rock//WZZQ
MD. Gaithersburg	WMET-1150	was talk, now bus. nx//WPGC
Thurmond	WTHU-1450	was country, now JSN oldies
MA. Boston	WEEI-590	was sports, adds Imus mornings
Fall River	WHTB-1400	was nx/talk, adds Portugese 8AM-3PM
Gardner	WGAW-1340	was AC, talk, now silent
MI. Menominee	WAGN-1340	was oldies, talk, adds SMN oldies
St. Joseph	WSJM-1400	was AC, talk, readds Unis. oldies
MS. Carthage	WSSI-1080	was talk, now JSN CD//FM
Jackson	WZRX-1590	was stds., now blues, R&B oldies
MO. Kansas City	WHB-710	was oldies, to be farm/C&W//KMZU
Portageville	KMIS-1050	was country//FM, adds JSN C&W//FM
NY. Buffalo	WWKB-1520	was talk, adds Don & Mike FM drive
Mechanicville	WMVI-1160	was stds., rtpd. silent
Spring Valley	WLIR-1300	was stds., now all Jewish
OH. Lima	WTMA-1150	was full-servie AC, now nx/talk
OR. Medford	KTMT-880	was CHR//FM, now Unis. CNN Headline nx
PA. Harrisburg	WNNK-1400	was CHR//FM, to be SMN-urban AC, with new calls, in July
TN. Columbia	WMRB-910	was WQZZ, urban, now hot AC
Germantown	WNWZ-1430	was urban AC//KPTH, now silent
TX. Huntsville	KYLR-1400	was oldies, adds JSN oldies
Nacogdoches	KSFA-860	was urban AC, adds IBN, MBS talk (runs SMN's urban AC "Touch" at night)
VA. Blackstone	WBBC-1440	was gospel, oldies//FM, now JSN soft AC//FM, has app. f/calls WKLV & will split pgming w/FM soon
WA. Seattle	KING-1090	was MBS talk, now Unis. talk, w/Liddy
WI. Racine	WRJN-1400	was AC, adds WOR talk
Sparta	WKLI-1290	was country oldies, now SGC Xtian C&W
ON. Ottawa	CFRA-580	was oldies, now talk (will carry some oldies w/e's f/now)
Toronto	CKYC-590	was country, adds SRN country

Floyd Perry of Stockton, CA. passes on the following tip:

CA. Sacramento KRAK-1140 was C&W, now w/Liddy, station may go all-talk if Liddy show succeeds

Thanks, Floyd! Well, it's the night before I leave for the convention, got all my stuff packed, will DX along the way, maybe it will inspire my home DX which has been a dud!!! 73's.

DEADLINES: 2nd & 4th Saturdays.

Compiled: 07/06/93

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

CONSTRUCTION PERMIT ACTIVITY:

IN. Terre Haute WBOW-6430 decrease to 250 w., move xmtr

FACILITY & PARAMETER GRANTS:

CO. Denver KBNO-1220 660/12
 NV. Las Vegas KKVV-1060 43-N

CALL LETTER CHANGES:

GA. Conyers	WPBE-1050	becomes WPBS
KS. Pittsburg	KSEK01340	requests KPHN
NY. Syracuse	WFEL-1390	requests WDCW
NC. Raeford	WHIL-1400	requests WMFA
OR. Lakeview	KQIK-1230	requests KRIT
TN. Memphis	WEZI-680	becomes WOGY

FORMAT CHANGES:

AL. Birmingham	WYDE-850	was oldies, now nx/talk
Geneva	WGEA-1150	was country, adds talk, s. gospel
Jasper	WZPO-1360	was oldies, CHR//WZBQ, now ASN sports
Madison	WBBI-730	was silent, now Unis. CNN nx
Selma	WMRK-1340	was EZL, now country
AK. Kodiak	KVOK-560	was silent f/repairs, now oldies, talk, running Liddy & other shows from KENI-550
AZ. Payson	KMOG-1420	was country, adds SMN country
CA. Grass Valley	KNCO-830	was AC, talk, now talk
Yuba City	KOBO-1450	was ethnic//KEST, now ethnic, SS, also Hindi
FL. De Funiak Springs	SWTX-1280	was country, talk, now silent
Lakeland	WLKF-1430	was AC, talk, now talk
Miami	WINZ-940	was nx, sports, adds SEN sports overnite
Orlando	WWNZ-740	was nx, adds SEN sports overnite
Pinellas Park	WHNZ-570	was nx, adds SEN sports overnite
GA. Conyers	WPBS-1050	was WPBE, nx, talk, now c. Xtian
Gainesville	WGGG-1240	was EZL//WGZM, now s. gospel
Milledgeville	WKGO-1060	was all nx, adds EFM talk
ID. Twin Falls	KLIX-1310	was country, now nx/talk (CNN, MBS, Talknet, ABC)
IL. Watseka	WGFA-1360	was stds., AC//FM, now SMN stds.
IN. Paoli	WSEZ-1560	was EZL, stds., now IEN talk
Peru	WARU-1600	was AC, now oldies//FM
KY. Louisville	WWSN-1080	was CHR//WDJX, adds modern rock nites
LA. Port Sulphur	KAGY-1510	was country, now s. gospel
ME. Brunswick	WC LZ-900	was new age//FM, now adult prog. //FM
MD. Chestertown	WCTR-1530	was talk, EZL, adds Unis. Liddy
MI. Greenville	WPLB-1380	was country, now Unis. stds.
MN. Park Rapids	KPRM-870	was country, adds JSN C&W
MT. Belgrade	RGVW-640	was religion, ow c. Xtian//FM
NM. Santa Fe	KVSF-1260	was prog.//KIOT, now silent f/repairs, to come back on as nx/talk in fall
NY. Albany	WROW-590	was EZL, now soft AC//FM
Oneonta	WDOS-730	was AC, talk, now country
NC. Mocksville	WDSL-1520	was s. gospel, now country/oldies/bluegrass
Wanchese	WOBR-1530	was s. gospel, now tourist info
OH. Alliance	WDPN-1310	was EZL, now soft AC
Columbus	WCOL-1230	was nx/talk, adds Unis. Liddy
Ironton	WIRO-1230	was oldies, now country gold
OR. Coos Bay	KRSR-1420	was silent, now religion
PA. Altoona	WRTA-1240	was talk, EZL, now talk (oldies some wknds)
Lewisburg	WTGC-1010	was AC//WUNS, now C&W//WWBE
Lykens	WQIN-1290	was oldies, now silent
TX. Robstown	KROB-1510	was country, rptd. silent
San Antonio	KSJL-760	was talk, adds Unis. MBS, NTN talk
WI. Fort Atkinson	WFAW-940	was talk, AC, now talk, oldies

Nancy Hardy passes on the following tips from Billings, MT.:

ID. Lewiston	KOZE-950	now SMN oldies
MT. Ananconda	KANA-580	was silent, now SMN Kool Gold 1950's oldies
Great Falls	KEIN-1310	was SMN Kool Gold, now SMN country
WA. Opportunity	KKPL-630	was KHDL, CNN all nx, now C&W "Frog FM" //KNFR-96;1
Quincy	KWNC-1370	was local variety, now JSN AC
Spokane	KTRW-970	was local "True Country", now ASN "The Scale" (still KTRW as of 6/23)

Ye editor passes on the following tips from his trip to Billings, MT:

CA. Truckee	KHTZ-1400	still silent
ID. Rexburg	KRXK-1230	back on the air, if they were ever silent
St. Anthony	KIGO-1400	still silent
Twin Falls	KEZJ-1450	was C&W, <u>now</u> silent

MT. Ananconda KANA-580 noted on nights w/format listed above,
night power unknown
Bozeman KZLO-1230 noted w/C&W format //FM "Fox 99"
West Yellowstone KWYS-920 signs off at 1 PM on Sundays (MLT)
NV. Lovelock KDXA-880 not on air yet

The following tip was passed on at the IRCA convention in Billings, MT.:

BC. Lethbridge CKRX-1090 now these calls, ex-CHEC

Pat Martin of Seaside, OR. sends along the following tip:

OR. Tigard KEZF-1040 new station on air w/religion, I
have pwr. listed on CP as 2200/200

Gary Jackson of Sacramento, CA. adds the following info to an earlier tip:

CA. Yuba City KOBO-1450 uses the slogan "Radio Grande", SS

That was a long column, but I misplaced my last week's M Street Journal, I'll nab a copy from someone and add that info to the next column, though it will be a bit old by then, whoops. I have appended the column per requests at the convention, and will no longer include a subject such as "CP activity" if there are no stations in that category, to save space. A new letterhead will also be forthcoming, from our editor. I had a good time at the convention, hope everyone else did too who attended! 73's.

To: IRCA Membership
From: Robert Wien
Subject: Airchecks

A friend of mine has several old airchecks he'd be willing to make copies of for anyone who would send him the appropriate cassette tape + return postage. Here is a list of tapes he has:

Charlie Greer-October 1965 (WABC)
Dan Ingram-July 1967 (WABC)
Cousin Brucie-November 1963 (WABC)
KFRG-610 San Francisco August 1974, Dr. Don Rose taped the day Nixon resigned
WABC-770 New York's last few hours as a music format (May 1982)
WCBS-FM New York- Dan Ingram (1992)
KHJ-930 Los Angeles- various airchecks fro 1975-76 of Charlie Van Dyke (last show), Bobby Ocean, J.B. Stone & M.G. Kelly
KTNQ-1020 Los Angeles- John Driscoll & the Real Don Steele (1976)
KIQQ-Los Angeles- Bruce Chandler (1976)
KODJ/KCBS-FM Los Angeles- various airchecks (1989-1992)
KRTH-930 Los Angeles- Robert W. Morgan (1993)
WNBC-660 New York City- Don Imus (1980)
WABC-770 New York City- Dan Ingram (1980)
WKLO-New York City- Dan Thompson (1974)
KRJY/KLOU St. Louis (1992-1993)
KLUV-Dallas (1992-1993)

For info, write:

David Gordon
2230 Homestead Court #306
Los Altos, CA. 94024
(408) 735-1081



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

DX Worldwide - West

Time: UTC phone (503) 861-3185

DEADLINES: 7/5, 8/2, 8/23, 9/6

First off I would like to thank all that voted for me for the Board of Directors. It is much appreciated. We have a good turnout out this time around with reports from Chuck Boehnke-Hawaii, Larry Godwin-Montana, Shawn Axelrod-Manitoba, and Nick Hall-Patch-B.C. Nick went out again into the Pacific, as he did last fall. Heard some pretty good DX considering how poor cx have been here. Maybe that what it takes, a trip a few hundred miles off the coast! On with reports. Great tips guys. Thanks.

PAN-AMERICAN DX ROUNDUP

- 540 MEXICO, S.L.P.-XEWA gave call and location ID at 1035 6/8, and mentioned repeater in Monterrey, N.L. WRTH lists the wrong location. (LBG-MT)
PERU, Lima-OBX4E "Radio Inca" many PSA type anmts and discussions of events in Peru. Severe QRM from XEWA making it difficult to follow content at 0745 6/10 (CB-HI)
- 770 MEXICO, Fresnillo-XEIH-"Dimension Radio" Hrd w/KKOB QRM. Banda and Latin pops, mentions of Zacatecas also 6/10 0810 (CB-HI)
- 800 MEXICO, Cd. Juarez-XEROK IDed as "Radio Canon" amidst many ads, on top at 0409 6/8 (LBG-MT)
- 860 MEXICO, Tijuana-XEMO- IDed as "Radio 86" and gave PDT tc, so BCN in on DST) at 1138 6/8. Mentioned "AM-estereo" (LBG-MT)
- 890 CUBA, Habana? "Radio Reloj" First time hrd at "Radio Reloj" station on thid frequency. Good with newscast mostly about Habana happenings, many tcs and constant time tics every second in background at 0817 6/10 (CB-HI)
- 900 MEXICO, Mexico D.F.-XEW- strong IDing as "la W, XEW, La voz de la America Latina desde Mexico" at 1059 6/4. Mentioned power of 250 KW. (LBG-MT)
- 1110 MEXICO, Mexico D.F.-XERED "Radio Red" s/on with nat'l anthem at 1058 6/15. Man ann. gave CST tc, so D.F. is not on DST. Also hrd same anthem at 1058 6/14, surely XERED again. (LBG-MT)
UNID SS, briefly on top at 1054 6/14. Format sounding man announcer mentioned Argentina and Argentine during what seemed like a documentary, along with the years 1982, 1986, and 1991, then abruptly into low-key inst. mx. Hard to believe this is an Argentine station, though, as both listed ones are low power (10 and 15 KW). Sunrise times listed cities Buena Aires and Tucuman= 1058 and 1107 respectively, that day. Ideas? (LBG-MT)
- 1180 CUBA, Habana-Radio Taino-5/23 0300, Latin mx, lots of talk about Cuba. Totally dominating freq. at 5/24. Only non-Canada and USA station hrd in 2 nights of DXing. (SA-VALHALLA DX)
- 1220 MEXICO, Mexico D.F.-XEB on top IDed as "XEB, La B Grande de Mexico" at 0354 6/8. Gave tc= CST, D.F. not on DST. (LBG-MT)
+Also heard XEB "La B Grande, hrd well w/MOR Latin mx, Ezl ballads in the clear 6/7 0816 (CB-HI)
- 1280 BRAZIL, Rio de Janeiro "Radio Tupi or Supper" hrd fair w/discussion between man and a couple of women, in and out of QRM. "Super" ID at 0830, 0825 6/10 (CB-HI)
- 1540 MEXICO, Hermosillo-XEHOS-claimed a listener in Las Vegas, NV at 1046 6/13. Gave PDT tc, and IDed as "La Poderosa" at 1049, then announcer said "Buenos dias Hermosillo" at 1118 (LBG-MT)
- 1560 t MEXICO, Mexico D.F.-XEFAJ? "Radio Consentida" Good over QRM with Cumbias and Ranchera mx. Several ments of Mexico City, but never hrd positive ID, I could be sure of-6/7 0830. (CB-HI)

- 1570 MEXICO, Cd. Acuna-XERF-Best in a long time w/snappy tex-mex and Banda mx 6/7, 0853 (CB-HI)
- 1610 ANGUILLA, The Valley-"Caribbean Beacon" a regular visitor here, hrd well at 0853 6/7, with good ol' Dr. Eugene Scott(CB)

TRANS-PACIFIC DX ROUNDUP

- 540 WESTERN SAMOA, Apia-fair in jumble with woman and man in Samoa at 0655 5/19. Best hrd in a while. (PM-OR)
- 620 HAWAII, Hilo-KIPA-o/u KGW with talk, mostly under or equal at 0650-6/19. The Hawaiians really haven't been putting in much signal this Summer, which in quite unusual. (PM-OR)
- 630 UNKNOWN, possibly Cook Islands? Weak but clear w/choral mx Cook Islands type mx, unable to make up anmts, hrd 0901 6/7 (CB-HI)
- 670 HAWAII, Hilo-KPUA-also poor above a weak KBOI 0655 6/19 (PM)
- 650(opps) HAWAII, Honolulu-KHNR-1345 5/22-3:45 tc and ID after ad for learning computer software (NHP-50 N 142 W)
+Also noted mixing with KSTE/CISL with nx, story on Hawaii w/tc at 0710 6/19. Fair (PM-OR)
- 738 TAHITI, Papeete-FRO. Excellent at 0745 6/10 w/Tahitian mx. Modulation level very good for a change. (CB-HI)
- 846 AUSTRALIA, Canberra-2CN-1333 5/22 Quiet mx, fair strength //792. (NHP-50N 142 W)
- 850 HAWAII, Hilo-KHLO-1331 5/22 "KHLO,proud to be home of the UHH Vulcan sports", country mx. Exc. signal (NHP-50N 142W)
- 891 FIJI, Lautoka-Radio Fiji 2-weak w/Hindi mx at 0815 6/19 (PM)
- 954 JAPAN, Tokyo-JOKR 1337 5/26. Likely the one w/fair to poor signals and JJ talk by man (NHP 51N 141W)
- 963 UNIDS, 1330 5/22 Two stations mixing, both w/men talking,one seemed JJ, the other RR (NHP 50N 142 W)
- 972 SOUTH KOREA, Tangjin-HLCA 1328 5/22. KK talk by man //6015 excellent signal (NHP 50N 142W)
- 1017 JAPAN, Fukuoka-JOLB 1323 5/22. SS lessons, good signal(NHP-50N 142W)
TONGA, Nuku'alofa-"Radio Tonga" fair signal woman giving a long talk in Tongan(presumed) Hrd 6/7 0805 (CB-HI)
- 1053 NORTH KOREA, Jammer. Good signal (enough to conceal anything underneath) 1314 5/22 (NHP-50N 142W)
- 1089 JAPAN, Sendai-JOHB-1341 5/23 JJ talk //774, good strength o/pop mx (NHP-50N 144W)
- 1134 JAPAN, Tokyo-JOQR-1355 5/22. Big signal w/JJ talk by man(NHP-50N 142W)
- 1147.5 PHILIPPINES, Poro-VOA 1402 5/22. EE nx,poor to good and was //6110. (NHP-50N 142W)
- 1152 JAPAN, Kushiro/Kochi-JOPC/JORB 1358 5/22 EE lessons. NHK pips on hour, Unknown 6 pips underneath (hi-lo-hi-lo-hi-lo pitches). good signal. (NHP-50N 142W)
- 1170 HAWAII, Honolulu-KOHO-Has been off the air for the last several wks, unknown reason (CB-HI) (According to Dale Park, see last DXM, off because of \$\$\$ problems.PM)
- 1242/
1260/
1278/
1260 t UNIDS-1354 5/23 fair to excellent signals w/piano mx all in // By the hour everything had separated out again. Any ideas on this. NZ? (NHP-50N 144W)
- 1260 t JAPAN, Sendai-JOIR 1405 5/22. JJ talk by man,fair strength (NHP-50N 142W)
- 1386 JAPAN, various NHK2 1316 5/26 JJ talk //1593 fair to good signal. (NHP-51N 144W)
- 1440 t JAPAN, Sapporo-JOWF 1453 5/22-Good signal w/JJ talk by man (NHP-50N 142W)
- 1570 HAWAII, Haiku-KUAU-Maui is rumored to be testing, but no conformation of this, or have I hrd it myself. Power was to be 500 W or 1KW, theoretically 50 KW is possible.Any-body know anything? (CB-HI)

- 1615 NEW ZEALAND, Ohura "OR" in w/morse code ID (---.-.) weak at 1155 6/1, 1151 6/2 and 1054 6/5. Much stronger 6/8 at 1122 and 1142-1150 (LBG-MT)
- 1630 NEW ZEALAND, Taumaruni "TM" first hrd this season at 1053 6/4 w/morse code ID (- --) very weak. Then on 6/8 from 1123-1141, I distinctly hrd 3 separate simultaneous code IDs at different pitches (all TM) overlapping. Beacon may have three separate transmitters, sent inquiry. In again weak 6/13 at 1121 and 1115 6/14, when S-Meter jumped as each "dash" was keyed. (LBG-MT)

Sitting here DXing the AM on 7/4 reminds me a little of the old days. As I am starting to type this 2MC-531-Kempsey is beginning to fade out. 4MK-1026-MacKay isn't too bad either. Maybe cx are finally improving. It really has been a dry Summer DXwise. NHP said he was going out this weekend, so maybe some reports will be coming in. I wouldn't mind repeating last Fall. India two years in a row ...Well I wouldn't complain about that hi. A nice report from LBG-MT this time also. So on with reports.

PAN-AMERICAN DX ROUNDUP

- 1010 MEXICO, Guadalajara-XEHL-IDed as "La Poderosa...Guadalajara" at 1045 6/19 during AN prog. (Note: KTUR-UT, also on 1010 KHZ, also uses the "La Poderosa" slogan!) (LBG-MT)
- 1110 MEXICO, Mexico City-XERED "Radio Red" moderately strong noted 6/2 around 1056. Then Mexican NA at 1058 followed by clear XERED ID and ment. of 24 hrs. Also ment. affiliates Radio Red-700-Guadalajara and 1540-Monterrey, prob. // and also AN.Delete earlier report of possible Argentina. I am 90% sure it was XERED. Also it was not the S/on I heard. The station is AN. (LBG-MT)

TRANS-PACIFIC DX ROUNDUP

- 531 AUSTRALIA, Kempsey-2MC-quite good at times with non-stop rock mx and ID at 1300 into Network news. QRM from presumed NZ under 2MC. This was on 7/4. (PM-OR)
UNID-NZ?, DU type ancr mostly under 2MC, station also with rock mx at 1255-7/4. (PM-OR)
- 540 AUSTRALIA, Longreach-4QL-ABC MOR mx //549 at 1250 7/4. (PM-OR)
- 549 AUSTRALIA, Orange-2CR-fair in splat from 550, MOR mx //540 at 1256 7/4. (PM-OR)
- 576 t AUSTRALIA, presume the DU talk in passing at 1251 7/4 (PM-OR)
- 639 AUSTRALIA, Coffs Harbour-2CS, good o/UNID with talk show and rr mx at 1245-7/4 (PM-OR)
- 648 AMERICAN SAMOA, Pago Pago-WVUV-fair with rr mx o/Australia 7/4 1235, American DJ, TC. (PM-OR)
- 666 t AUSTRALIA, Canberra-prob. the DU ancr weakly at 1240 7/4 (PM-OR)
- 702 AUSTRALIA, Sydney-2BL, good over talk station (1XP?) at 1245 on 7/4 (PM-OR)
- 720 UNID, Rock station above mess at times. No sign of Las Vegas, station only hrd on DU wire. NZ? 1253 7/4 (PM-OR)
- 774 t AUSTRALIA, Townsville-4TO presumed the loud rr mx at 1242 7/4, Some MOR station under (3L0?) (PM-OR)
- 792 AUSTRALIA, Brisbane-4RN-Good with Pop Jazz and Aussie ancr at 1247 7/5. One of the best signals this AM. (PM-OR)
- 801 UNID, rr mx at 1226 7/4, in splat. (PM-OR)
- 864 UNID, rr mx at 1229 7/4 (PM-OR)
- 891 t AUSTRALIA, Townsville-4RR, unid rr mx on top 1243 7/4 (PM-OR)
- 927 UNID, Pop mx at 1249 7/4 (PM-OR)
- 1026 AUSTRALIA, MacKay-4MK-good on top with rr mx and "4MK" ID into Madonna song at 1256 7/4 (PM-OR)
- 1143 UNID, Pop mx (2 stations, at least) above jumble briefly at 1231 7/4 (PM-OR)
- 1161 UNID, weak Pop mx at 1248 7/4 (PM-OR)

12

THANKS TO THESE GREAT REPORTERS

- SA-VALHALLA= SHAWN AXELROD-30 Becontree Bay-Winnipeg, MB R2N 2X9
DXing in Swan River, MB-using 1992 Dodge Radio.
- CB-HI CHUCK BOEHNKE-Post Office Box 488-Keaau, HI 96749-0488
R71A-110 ft. Random wire, FRT-7700 Ant. tuner
- LBG-MT LARRY B. GODWIN-2390 Clydes Dale Lane-Missoula, MT 59801
Hammarlund HQ-150, Sanserino air-core box loop
- NHP-50N NICK HALL--PATCH-1538 Amphion Street-Victoria, B.C. V8R 4Z6
DXing in the NE Pacific aboard C.S.S. John P. tully w/
homebrew rx, Sony 2010 and 25 foot whip
- PM-OR YOUR EDITOR
Drake R8, SP-600, Term. 200' SW/NE Term. LW, Ground system

DX  **WORLDWIDE
EAST**

EDITOR: Jim Hall, 3176 Cheltenham Ct., Gibsons PA 15044-8435 usa

Here is the June edition of DXW-E..... Welcome to the summer DX
doldrums. We have this time some newer and some accumulated information and
tips, so on with the reports:

I R A N S - A T L A N T I C D X (Connelly-MA)

- 999 SPAIN Madrid 4/9 0335 fast SS talk by m.
1098 CANARY ISLANDS (SPAIN) / unID (CZECH?) 4/9 0433 SS tlc o/u clas. mx.
1107 SPAIN 4/9 0347 SS talk, pronounced echo present.
1125 SPAIN / LIBYA / ? 4/9 0348 SS/AA pgm's blending w/other audio in
jumble of low-growl type of hets.
1179 SPAIN 0353 4/9 and 0340 4/28 SS to gd peaks the 9th & bits of SS 28th.
1215 SPAIN 0455 4/17 I was looking for UK's 'Virgin Radio' but got this
instead. m & w in SS, dominant, bits of talk (UK?) way u/. Also 0335
4/28 w/fast SS m fr/gd.
1251 LIBYA Tripoli 0422 4/17 LOUD w/AA voc. and also 3/31 XLNT 0243 w/AA m.
1305 SPAIN 0423 4/17 m in SS o/others, also tent. 035/ 4/9 w/SS-sounding tlc.
1359 SPAIN Arganda 0427 4/17 gd pk's w/operatic SS, 0317 5/11 best TA tonight -
SS mx, SS tlc by m at monster level wasting 1360's.
1368 unID 0319 5/11 and 0304 3/31 hets w/possible PP/SS talk, hetted by 1367.
1386 unID 0303 3/31 fat carrier & bits of tlc. and mx.
1413 SPAIN 0400 4/9 m w/SS nx.
1467 FRANCE Roumoules 0340 5/11 Gd, OC then mx-box IS.
1530 VATICAN 0346 4/28 w/Slav or Albanian tlc //6245 o/WCKY. 0314 5/11 Vat. IS
and Slav-sounding tlc //6245 (but not 1611). Loud/dominant. Also 0250 3/31
LOUD w/same pgm burying WCKY. 3rd audio present at times, not sure of the
AA stn recently noted by j. Burnell.
1539 GERMANY Mainflingen 4/28 0348 jazz, GG talk.
1548 ENGLAND 0257 3/31 EE talk, poor.
1575 SPAIN / GERMANY 0405 4/9 SS / GG pgm's mixing.
1584 SPAIN 0604 3/21 w in SS, fr/gd, also 4/9 SS talk, choppy. Also 0432 4/17
w/noticeable echo on talk. Also 5/11 0310 SS nx, fr/gd.
1593 GERMANY Langenberg 0309 5/11 w in GG to fr pk's. Also 0258 3/31 w/rock mx
& fluttery fades. Other times w/pop and rock as well.
1602 SPAIN 0351 4/28 m in SS & jumble of carriers.
1611 VATICAN 0350 4/28 Slav talk, croaking Anguilla. 5/11 0308 XLNT w/Slavic tlc
by m, rendering 1610 a weak bckgrnd het. Also 0253 3/31 gd w/fast Slavic
talk, killing Anguilla-1610.

P A N - A M E R I C A N A D X

- 650 MEXICO ??? ??? Sistema Radio Tumulipas 1103 5/5 on the freq, but doesn't
ann call or location, fr. (Huffaker-MEXICO)

- 740 PUERTO RICO San Juan WJAC 0430 3/26 'WJAC San Juan', 'Muy buenas dias',
gd. (Straus-NJ)
- 840 CUBA ?? 0450 3/7 Gd in WHAS null w/Am. US UC mx. Not R. Progreso outlet, not
//640. Who? (Hyde-VA) (Doblevé. ed)
- 1000 MEXICO Coatzacoalcos XECSV 0120 5/12 'R. Mil' ID's, lots of ads but no call
letters. Gd in XEOY phased null although stn's are at 90-deg. (Huffaker)
- 1030 MEXICO ?? 0425 3/7 'Johnny's got a girl friend' whistle distinctly hrd u/
WBZ/others. Who & which net uses the ID signal? (Hyde-VA)
- 1101a unID (prob. Cuba) 0345 4/9 m & w in SS, sig. created raucous, ripping het
against usual WWWE/ZDK/others 1100. (Connelly-MA)
- 1109.6a USA Rhode Island, Providence WHIM 0325 5/11 way off on low side w/C&W mx,
WHIM ID (not WWRX/nx from CNN anymore). WBT w/Bohannon show, ID in the clear
ritgh on 1100.00 kHz. (Connelly-MA)
- 1110 GUATEMALA Coban 1047 4/5 R de la Paz typical Guatemalan pgn marimba mx,
rfgs mx in SS, then Indian-language sermon. Frequent sign ID's, 1 ment of Coban,
clobbered by XERED (they're off Sun. nights) signing on at 1058, gd until
then. (Huffaker-MEXICO)
- 1120 PUERTO RICO Hatillo WMSW 1800 3/16 'La Gran W' right up the old grey-line
pipe-line l & c, 'WMSW Hatillo-Arecibo', SS ballads. (Straus-NJ) (Good one. ed)
- 1310 MEXICO XETRC Tepetzintla 0059 3/13 ID's as 'Radio Gazetta' & w/call. (Huff)
- 1480 MEXICO XEOU Huajuapán de León On late w/spec. Mother's Day bc from town
plaza during special ID's only as 'R. Joya' but normally uses calls on the
hour. Gd 0037 5/11. (NOTE: Mother's Day is a legal holiday in Mexico w/gov't
offices, banks, schools and many businesses closed). (Huffaker-MEXICO)
- 1520 PUERTO RICO San Juan WRAI 0820-50 4/4 XInt, SS pops, m w/'R. Aeropuerto'.
'Number 'uatro' ment many times, talk at 0830, ments 'musica'. (Hyde-VA)

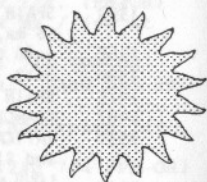
CREDITS:

- (Huffaker-MEXICO) Ing. Carl Huffaker, Domocilio Conocido, Huasca de Ocampo,
Hidalgo C.P. 43500 MEXICO
- (Straus-NJ) Elliot Straus, Toms River, NJ (Forwarded by EDXR)
(R-390A, Quantum Loop, LW's, MFJ959B)
- (Hyde-VA) Leonard Hyde, 1805 Whipple Dr. #26, Blacksburg, VA 24060
(R-392, QF-1, 2' bx lp)
- (Connelly-MA) Mark Connelly, 30 William Rd, Billerica, MA 01821
(NRD525, ICF2010, or Drake R8, RTL-2 rem. tuned lp via MWT-3
regen. tuner Preselector/controller, or 20m. & 37m wires w/
nx-red. xformers to MWDX-5 Phasing Unit & MWT-3)

\$1.00 OFF

For a limited time receive a dollar off the NRC's Loop
Antenna Design and Theory or Beverage & Long Wire
Design and Theory with this coupon only!
Order Loop-\$6.95 or Beverage-\$4.95 Both for \$11.90
(mention this offer or clip this coupon)

National Radio Club Publications Center
PO Box 164
Mannsville, NY 13661-0164
OFFER GOOD THROUGH SEPT 1, 1993



**HOT
SUMMER
SALE**

IRCA Reprints

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

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



WESTERN DX ROUNDUP

Nancy Hardy
2301 Pacific Ave.
Aberdeen, WA 98520

DEADLINES FOR WDXR TIPS: Mon. Aug. 2, Mon. Aug. 23, Sat. Sept. 4.
PLEASE USE EASTERN TIME.

REPORTERS FOR THIS ISSUE:

- (SA) Shawn Axelrod-30 Becontree Bay-Winnipeg, MB R2N 2X9
- (LG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59801
Hammarlund HQ-150, Sanserino air-core box loop
- (JH) Jim Hilliker-1705 Withers Ave. #14-Monterey, CA 93940
GE Superadio
- (GJ) Gary Jackson-7735 Center Parkway-Sacramento, CA 95823
- (NHP) Nick Hall-Patch-1538 Amphion St.-Victoria, BC V8R 4Z6
DX'ing in the northeastern Pacific on board CSS John P. Tully
Homebrew receiver with 25' vertical antenna
- (GL) Gary Larson-2806 Lincoln-Burbank, CA 91504
- (PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138
Drake R8, 1500' E Beverage, term. 200' SW wire ground
system
- (5P) Dale Park-P.O. Box 22778-Honolulu, HI 96823-2778
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio, GE long-range portable, SM-2

OF SPECIAL INTEREST

- 980 KEYQ CA, Fresno 5/31 0844-0900 good o/u KFWE/KVLV et al with
nostalgia music, ID on hour "KEYQ AM 980, Fresno, KEYX AM
1400 Visalia, K-E-Y." Call change, ex-KFSO. (RW-CA)
+6/7 1200 strong, 500 watts, playing oldies. New address is
4991 E. McKinley Ave. Suite 124, Fresno, CA 93727. (GJ-CA)
- 1090 CKRX AB, Lethbridge 5/29 2300 ex-CHEC, proclaimed "Southern
Alberta's best rock." (LG-MT)
- 1230 KZLO MT, Bozeman ex-KBMN 6/1 strong with ID at 0851 "Fox Country
FM 99.9, KZLO." (LG-MT)
- 1570 KUAU HI, Haiku (Maui) 6/13 1620 new station on the air. Mixed
bag format of EZL, oldies, polkas & Hawaiian music. Heard
Tommy Lasorda doing a promo for Dodgers baseball. Had
heard this station testing in April 1992. (5P-HI)
- *****
- 530 TIS CA, Altamont Pass 6/14 0340 Cal Trans "Pass Info," "Welcome
to California's Altamont Pass, I'm Governor Pete Wilson."
New, thanks to GJ for info. (PM-OR)
- TIS CA, Burbank 6/14 OC, no audio all morning. (GL-CA)
- 690 KECN ID, Blackfoot 6/1 ended CNN news at 0800, then announcer
said "690 and 1260, KICN, Idaho Falls-Rexburg, KECN
Blackfoot-Pocatello." (LG-MT)
- (XETRA) BCN, Tijuana 6/14 0100 approx., off with nothing else
heard. No splatter from KMPC-710. (GL-CA)
- 720 (KDWN) NY, Las Vegas 6/6 0530 totally off, seems to have weekly SM
and MM SP! (RW-CA)
- 730 KBSU ID, Boise 6/9 0700 snuck through CKLG for AM & FM ID. (LG)
- 740 KATK NM, Carlsbad 6/5 0001 with KCBS looped, ended Spanish
program, then ID'd in Spanish & English "This is KATK, 1000
watts power, Carlsbad, New Mexico." (LG-MT)
- 750 KERR MT, Polson is AN with Interstate Radio Network. 6/2 0730
abrupt power increase and s/on annct., no anthem. (LG-MT)
- KXL OR, Portland moderately strong 6/4 0706. Announcer said
"News for the early-bird, it's First Light on KXL Newsradio
750." Then NBC news. (LG-MT)
- 780 KROW NY, Reno 6/13 0016 in fair with KABC-790 off, C&W music.
(GL-CA)

- 790 (KABC) CA, Los Angeles 6/1 0001 noted off. (GL-CA)
 KJRB WA, Spokane abrupt pattern change 6/9 at 0736; much stronger, with Sports Entertainment Network fed. ID 0748. (LG-MT)
- 880 KTMT OR, Phoenix 6/7 0755 noted with new CNN Headline News format, ex-CHR. ID "Bringing you CNN News from around the world, AM 880, KTMT, Phoenix-Medford." (RW-CA)
- 920 KLOC CA, Ceres 6/7 1300 strong 500 watts station now in Spanish (listed in NRC Log as English). (GJ-CA)
- 950 *KAHI* CA, Auburn 6/5 0632 with OC. (RW-CA)
- 960 ?KCLL? CA, Lompoc 5/31 0322 tent. call change ex-KNEZ. Poor-fair in KABL null with SMN Kool Gold oldies, ID "Kool Gold nine-sixty," faded out. Any other Kool Gold outlets on 960? (RW-CA) (The Kool Gold flagship station, KOOL Phoenix!--NH)
- 980 KUPI ID, Ammon 6/9 0717 ID as "Cupie, 98-Gold." (LG-MT)
- 990 KKIS CA, Pittsburg 6/7 0700 gave call ID and mentioned Sacramento & Walnut Creek, as well as 92.1 FM during AN program. Announcer said would have 45 minutes of continuous music. (LG-MT)
- 1010 KXEG AZ, Tolleson per phone call, is AN with relig. programming, Spanish 1900-0200 EDT. (LG-MT)
- KTUR UT, Tooele 6/8 2300 in Spanish, gave TC and s/off. Slogan was "La Poderosa," which is the same as XEHL on same freq.! Announcer said s/on would be at 0600 MDT. Short, barely readable announcement in English ment. call. Not very strong for 50kw; surely protects CBR. Thanks to Stan Weisbeck for assist on this one. (LG-MT)
- 1020 KWIQ WA, Moses Lake North 6/9 in during AN program with ID at 0706, and anncet. there are "20 uninterrupted minutes of country every hour." (LG-MT)
- 1030 KTWO WY, Casper MM 6/7 s/on at 0657. (LG-MT)
- 1140 CFXL AB, Calgary 6/9 0758 ID as "XL Radio, 1140. I phoned, announcer said changed calls from CFX in 4/93. New phone number is 403-228-1140. (LG-MT)
- 1230 KBAR ID, Burley 6/6 0753 in with C&W, then forecast for Burley, Rupert and Jerome. Gave call ID after ABC-I news 6/9 0805. (LG-MT)
- KXLO MT, Lewistown (NRC Log says Lewiston) 5/25 0806 with "KXLO News." (LG-MT)
- KSBN WA, Spokane 6/5 0805 ID simply as "Radio 1230, Spokane, then R&R. (LG-MT)
- 1240 KWIK ID, Pocatello 6/1 0837 gave weather for "Quick Country," announcer's name was Gary Shockley. Also in 6/2 at 0817 with ID as "AM stereo Quick," then C&W. (LG-MT)
- 1250 KKDZ WA, Seattle 5/16 1230 fair during the day with "Kids Star 12-50" IDs, spots for Bartell Drugs, etc. Not noted at night, if on, even as of 6/14. (PM-OR)
- 1260 TIS BC, Pacific Rim National Park 5/17 2038 Weatheradio Canada station with weather forecasts; fair on its way to the other side of the Pacific. (NHP-48.5N 130W)
- 1270 CHAT AB, Medicine Hat 5/24 0810 ID as "New country 1270, CHAT." (LG-MT)
- 1280 CHR8 AB, High River 5/24 0808 very strong. Announcer said "You're listening to CHR8, Radio 1280," then into C&W. (LG)
- 1390 CJCY AB, Medicine Hat 6/2 0833 with "CJCY Sports Update," announcer Scott Warren. (LG-MT)
- 1400 KSPT ID, Sandpoint 6/14 0259:55 fair under KLCK with ID into news. (PM-OR)
- KDRG MT, Deer Lodge 6/1 1242 ID for "97.7 FM, KGLM, Anaconda." Per station, they simulcast a lot. (LG-MT)
- KLCK WA, Goldendale 6/14 0259:50 fair-good with C&W music and ID. (PM-OR)
- 1470 KBSN WA, Moses Lake 6/4 0800 strong with ID "AM 1470, KBSN, Moses Lake." (LG-MT)
- 1480 KPHX AZ, Phoenix 6/7 2317 on top with Spanish programming. Frequent call IDs & "La Mexicana" and "Super X." Ran spot for daily program "La Voz y La Pluma." (LG-MT)

- (KWUN) CA, Concord has anyone reported that this station has gone dark? I understand their towers have also been dismantled. I never logged them here but heard them twice in 1983-84 in So. CA when KWIZ had a SP. Don't know the date they went silent, but I understand it was a few months ago! (JH-CA)
- KRXR ID, Gooding is the one that IDs as "Stereo 1480, TNT" and "Dynamite Country," but no call letters. Heard frequently around 0800-0830. Finally 6/7 0800 had ads for several Gooding businesses. Began USA Radio News at 0801. Very strong here. (LG-MT)
- 1490 KOWL CA, South Lake Tahoe 6/5 0945 strong with pop music. (GJ)
- 1500 *KSJX* CA, San Jose 6/5 0636, 6/7 0315 with OC both these periods. (RW-CA)
- 1530 KHPY CA, Moreno Valley 6/7 0827 good in KFBK null with Spanish, ID. (RW-CA)
- 1540 KASA AZ, Phoenix 6/7 2300 "Radio Casa" ended Spanish song, then Spanish & English IDs. (LG-MT)
- KBLV WA, Bellevue 6/7 0801 strong, ID'ing as part of the Country Gold Network, which includes KJUN in what sounded like Joliet, but no such town; listed in Puyallup; and what sounded like KQL-Lakeview (that's KTOL-1280 Lacey--NH); also KENU-1330 Enumclaw, KWYZ-1230 Everett, and KBLV. (LG)
- 1590 KELP TX, El Paso 6/4 2321 Spanish program, and two call IDs in Spanish. (LG-MT)
- 1600 KGST CA, Fresno 6/7 0741 in Spanish, rapid-fire announcer gave several IDs as "KGST, La Mexicana." (LG-MT)
- 1610 WNSY470 CA, San Francisco Int'l Airport 6/7 1300 still testing. Rapid information station. Per phone call, address is FAA, San Francisco International Airport, 94128. (GJ-CA)
- TIS ID, 6/6 0821 on top with woman on tape loop that began "Welcome to summer in spectacular Clearwater country," then ment. Clearwater Nat'l Forest and rainbow trout. (LG-MT)
- TIS ID, Stanley 5/25 0755 strong with loop thgat began "Welcome to the rugged Sawtooth Mountains." Also heard several other mornings around this time, and 6/4 2320. My most consistent TIS. (LG-MT)
- TIS MT, Moiese 6/8 0813-0830 and at 2321. Man on tape loop said "I'm John Malcolm, manager of the Bison Range...U.S. Fish and Wildlife Service." My closest TIS. I phoned station to find out power: 5 watts. (LG-MT)
- TIS WY, Sheridan in at 2258 6/7 and around 0830 6/8. Woman said "...south of Sheridan on Highway 87...art galleries." (LG-MT)
- 1620 TIS CA, Pebble Beach a surprise and quite strong 6/2 at 0733. Woman mentioned rerouting traffic around Pacific Grove and the 17-Mile Drive, and cleanup week schedule. Heard again 6/14 0714-0722 mentioning Del Monte Forest and Pebble Beach Community Services District. (LG-MT)

LOCAL NEWS

- 630 (KIDD) CA, off from approx. 6/2 until approx. 6/14. They and KXDC-101.7 went off the air after eviction from KXDC studios for being 9 months behind on their rent. On 6/4, the FM was back on when they somehow found a new studio location. KIDD stayed off until new remote control setup from studio to transmitter was installed. Has dropped the "Radio Pacific" slogan and along with KXDC calls, the format is called "Smooth Jazz." Noticed KIDD back on the air 6/15. (JH-CA)
- 700 KQKE CA, Soledad regarding mailing address Gary Jackson listed last time, it's always been that address, even as KSUR and previous calls. Also, power has been 2500/700 since 1990. (JH-CA)
- 1240 KNRY CA, Monterey Auto Answers show on Saturday mornings has been dropped for local Gospel Train music show from 0900 to 1000 and Tradio Radio from 1000-1300. Also, the weekday simulcast of KSBW Channel 8 news 2000-2030 has been dropped. (JH-CA)

1410 KRML CA, Carmel this station has not been off the air. Still on every day 0900-2300 with jazz format. Lost its feed from KJAZ-92.7 at least a year ago. Gospel music/preaching is paid relig. on Sunday mornings & early afternoon. (JH-CA)

HELP WITH UNIDS:

- 670 About my unID in 6/12 WDXR, my report to KWNK Simi Valley came back, no such station or address according to Post Office. After this I called and found new number and address: 6633 Fall Brook, West Hills 91307. New studios 805-584-9465. They now relay XETRA-690 and fill in local sports! Relay fills in the valleys around Los Angeles. NRC Log doesn't list relay. (GJ-CA)
- 1260 NHP-BC's TIS in 5/15 WDXR is likely CBPU Ucluelet, per the info I have from the DOC here in Winnipeg. (SA-MB)

UNIDS

- 760 6/4 0720 who ID'd as "GY-760"? (LG-MT)
- 1010 6/8 0704 & 0708 PDT/MST TC's in Spanish. Slogan seemed to be "La Grande" and announcer referred to 63 or 93 (FM freq.?). (LG-MT)
- 1490 6/5 0645 C&W good looping N-S, dominant with ID "1490 AM, the best country in the country." Ideas? (RW-CA)
- 1490 6/1 0805 ID as "OK Gold" after ABC-I news. Also at 0832 6/4 woman said "You're tuned to the station that plays all the hits from the 50s, 60s and 70s, OK Gold." KCID QRM. (LG-MT)
- 1610 6/8 0802 TIS, woman said "6 feet above the ground and four feet from the nearest object." (LG-MT) (That soundes like directions on where to hang your food when backcountry camping!--NH)
- 1610 OR? 5/17 2047 TIS giving a notice concerning giving way to freighters heading for the Columbia. Fair. Giving KPF 485 (?) calls and mentions of Hammond Bay(?). (NHP-48.5N 130W) (Sounds like the Astoria, OR TIS.--NH)
- 1640 Apparent image (but not local), moderately strong but so distorted it's unreadable, during dark hours 6/9. (LG-MT)

The TIS stations still seem to be the hot DX!

**WHAT A TIME SAVER
THE NATIONAL RADIO CLUB'S**

COUNTY CROSS REFERENCE

You're on 1400 with a very weak signal saying " and today the Fremont County Sheriff arrested..." and fade into nothing.. You have to go looking through page after page of atlas information to find Fremont County in Colorado. Now you can turn the pages of the National Radio Club's County Cross Reference and find all the states with Fremont County at a glance! It's a matter of referring only to stations in the states that have a Fremont County!.....Non-Member.....\$8.95 Member.....\$4.95 Order Item CCR.....Order from National Radio Club Publications Center P.O. Box 164 Mannsville, NY USA 13661-0164

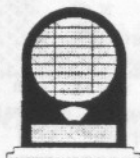
***** A DXers TECHNICAL GUIDE *****

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.

IRCA Stationery

Black on white masthead with the IRCA logo and name. Great for using when writing for verifications. 100 sheets, \$5.00. Order yours today from: IRCA Bookstore, 9705 Mary Ave NW, Seattle WA 98117

18



Central DX Roundup

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

 **PRODIGY**
MPNN49A

FOR THE RECORD

REPORT ALL TIMES AS EASTERN.

DEADLINES: 7/31, 8/19, 9/4.

RIDING GAIN

- [IRCA-DX] Shawn Axelrod at the IRCA Convention Billings, MT DX'pedition site. Icom IC-R70 with PLAM board and 4kHz filter, 3 longwires
- [DX-ND] Shawn Axelrod and Wayne McRae DXing on I-94 in ND Dodge car radio.
- [DX-MT] Shawn Axelrod and Wayne McRae DXing in Billings, MT Icom IC-R71A with Radio West Loop.
- [TMJ-IL] Tom Jasinski, 419 North Raven, Shorewood, Illinois 60435-9640 Sharp QT-50.

DOWN THE DIAL

- 530 **WNWM881** ND, West Fargo. 6/24 excellent. 1300. TIS for West Fargo. This is correct call and location. [DX-ND]
- 580 **KUBC** CO, Montrose. 2320 good. 2320 with oldies. [IRCA-DX]
- 630 **KTKK** UT, Sandy. 6/25 good. 2223 with KTKK talk program. [IRCA-DX]
- 800 **CHAB** SK, Moose Jaw. 6/15 good o/PJB. 0445-0500 with C&W music. "Continuous Country" and "Country 800" slogans. Also a spot aired for a Lincoln-Mercury car dealer in Moose Jaw. [TMJ-IL]
- 920 **KVEL** UT, Vernal. 6/28 good. No CFRY! 2340 with "KVEL" IDs. Mentions of Vernal and Utah. First time heard by us. [DX-MT]
- 940 **KIXZ** TX, Amarillo. 6/28 good. 2336 with NOS/EZL music. "KIXZ Magic 94" ID. [DX-MT]
- 950 **KYGO** CO, Denver. 6/28 good - No CFAM! Ha! Ha! Ha! 2333 with "KYGO" ID into C&W music. [DX-MT]
- 980 **CKRM** SK, Regina. 6/15 fair to poor w/WONE. 0501-0520. I suspect this one with *Broadcast News* on the hour. Female DJ playing music. [TMJ-IL]
- 1030 **KBUF** KS, Holcomb. 6/28 fair. 2223 with C&W music, local spots. Mentions of Holcomb and Kansas. [DX-MT]
- 1060 **KKDS** UT, South Salt Lake City. 6/28 poor. 2250 with "KKDS 10-60" ID into "My Mother Made A Meatloaf." First time heard by us. [DX-MT]
- 1270 **KTFI** ID, Twin Falls. 6/28 poor. 2313 with "KTFI" ID at fade up. [DX-MT]
- 1290 **KOWB** WY, Laramie. 6/25 fair. 2313 with Colorado Rockies game. [IRCA-DX]
- 1150 **CKX** MB, Brandon. 6/15 very good signal equal to WJJD-1160. 0420-0440 with R&R music. Calls mentioned. Thought at first this was WGGH or WNTA - may have been on with full power at this time. [TMJ-IL]
- 1500 **KXOJ** OK, Sapulpa. 5/31 good. Heard while WCSJ was off due to transmitter problems. 0159 with ID mentioning "Sapulpa, Tulsa" on the hour. [TMJ-IL]
- WCSJ** IL, Morris. 5/31 to 6/5 on and off with intermittent programming. I suspect problems were due to severe thunderstorms that came through the area in late May. [TMJ-IL]
- WMDH** IN, New Castle. 6/4 surfaced over KXOJ. WCSJ still off. 0259 with complete ID on the hour and a promo for Radio Bingo. First heard as WCTW back in 1982. I still need this for a verie. [TMJ-IL]
- 1610 **KOD714** ND, Medora. 6/24 excellent. 1600. TIS for Theodore Roosevelt National Park. First time heard by us. [DX-ND]

19

CDXR Continued....

1610 MT, Glasgow. 6/25 good. 2211. TIS for Fort Peck Dam area. [IRCA-DX]

25 YEARS AGO

July 20, 1968 issue of IRCA's DX Monitor....Bill Hardy of Aberdeen, WA mentioned he graduated from Washington State and is working at KBKW-1450....Percy R. Kesteven of Edmonton, AB mentioned his verie from CJYR-970 was their first reception report....Ernest J. Wesolowski of Omaha, NE said he just needs 1400 Ainsworth to have NE totally verified...Bill Nittler of Englewood, CO had a verie total of 2326.

OPEN MIKE

Proposals, as understood by the proposer, will be judged otherwise by others. The 1993 IRCA Convention held here in Billings is now history. It sure was fun meeting everyone. Some I haven't seen in 30 years. Plus it is nice to finally meet those who are regular correspondents. Elsewhere in this issue of DX Monitor is a recap of the convention. 73, John.

Geomagnetic Indices

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

Geomagnetic Summary May 23 1993 through June 18 1993

Date	FLUX	A	K	SA	GEO	OTHER
5/23	95	1	0	low	quiet	-
24	98	2	0	low	quiet	-
25	100	0	0	low	quiet	-
26	108	2	2	low	quiet	-
27	120	14e	3	moderate	quiet-active	-
28	126	18	2e	low	unsettled-active	-
29	129	9	2	moderate	quiet-unsettled	-
30	140	3	2	low	quiet	-
5/31	138	5	2	low	quiet	-
6/ 1	138	4	0	low	quiet	-
2	139	5	3	low	quiet	-
3	136	15	4	moderate	quiet-active	-
4	130	37	6	moderate	unsettled-mas	mis 0200
5	134	37	3	low	unsettled-mis	mis
6	128	15	1	low	unsettled	-
7	112	16	3	high	unsettled-active	maf 1425
8	112	10	2	low	quiet-unsettled	-
9	115	6	1	moderate	quiet	-
10	113	19	2	moderate	quiet-mis	-
11	102	9	2	low	quiet	-
12	93	14	4	low	quiet-active	-
13	87	12	0	very low	quiet-active	-
14	84	11	2	very low	quiet	-
15	82	7	0	very low	quiet	-
16	82	2	0	very low	quiet	-
17	83	3	1	very low	quiet	-
6/18	85	2	0	low	quiet	-

IRCA Stationery

Black on white masthead with the IRCA logo and name. Great for using when writing for verifications. 100 sheets, \$5.00. Order yours today from: IRCA Bookstore, 9705 Mary Ave NW, Seattle WA 98117

20

**EASTERN
DX
ROUNDUP**

LEONARD HYDE
1805 WHIPPLE DR. #26
BLACKSBURG VA 24060-2436

DEADLINES: July 30, August 20, September 4.

*** THE REPORTER ***

(ES) Elliot Straus - Toms River NJ - R-390A, Quantum Loop, longwires, MFJ-9598

*** OF SPECIAL INTEREST ***

1480 WZRC NY, NEW YORK now C&W, ex ROK. During the summer the station will be leasing time for Korean programming. From local newspaper report. (ES)

*** THE REPORT ***

- 550 WKRC OH, CINCINNATI 5/24 0215 sports calls taken. "WKRC News Radio 55" (ES)
- 620 WDNC NC, DURHAM 5/24 0250 local ads. "Radio 620 WDNC." Into Best of Bohannon. (ES)
- 730 WACE MA, CHICOPEE 6/7 1935 SS REL prgmg. (ES)
- 800 WTMR NJ, CAMDEN 6/7 2015 end of "Voice Of Hope" pgm. "WTMR, the stn where the Master reigns," & "Gospel 800, WTMR Camden NJ." (ES)
- 1190 WLIB NY, HEMPSTEAD 6/7 1945 noted every evening w/reggae, calypso & W. Indian prgmg. (ES)
- 1230 WERI RI, WESTERLY 6/7 2000 NBC Radio News, into local nx, ID. (ES)
- 1250 WMTR NJ, MORRISTOWN 6/7 1950 "1250 the new WMTR, the stn for great songs and great memories. NOS. (ES)
- 1340 WMID NJ, ATLANTIC CITY 6/7 2005 "S. Jersey's winningest bet w/music all morning and talk all night." Into Bruce Williams. (ES) (I remember when stations did just the opposite: talk all day, music all night. I liked that better -ed)
- 1580 WPGC MD, MORNINGSIDE 5/24 0245 calls taken on BRN. (ES)

*** EDITOR'S DESK ***

Thanks to Elliot we have a column this issue.

A new Sangean: I am looking at a catalog ad for the new ATS-606. Boasts all the features of previous Sangean receivers, adding "dual time display" and "dual alarm timer." Complete w/carrying pouch, stereo headphones, ANT-60 portable shortwave antenna and AC/DC adapter for \$209. Appearance is very similar to that of the ATS-803A, but quite a bit smaller at 6" x 3" x 1". There are two fairly large up/down buttons on the front, but I do not see a knob. Perhaps it is recessed. Another thing I do not see: a wide/narrow selectivity switch. That doesn't mean it's not there: the ad is small and detail hard to make out. Will we see this at Radio Shack as the replacement for the ill fated DX-390? Probably so. Does this receiver signal a return to the excellence of the DX-440/ATS-803A? We won't know until someone buys one and tries it out. By the way, according to the ad, "ATS" stands for "Auto Tuning System." 73 till next time de LLH. :-)

IRCA Reprints

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

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



Western DX Forum ★ ★ ★ ★ ★

Reid Wheeler 5910 Boulevard Loop SE Olympia, WA 98501

Deadline: Saturday 2 weeks before publication

Jim Hilliker, 1605 Withers Ave #14, Monterey, CA 93940-1569

[Continued from last issue] Someone is WDXR a few issues ago asked if my local KIEZ-540 was 24 hours? Yes it is. KIEZ and its 104.3 FM were sold recently. The FM (recently KKLK with contemp. Christian mx and ex-KHKN-FM and KPUP-FM) went to a Spanish format, but owners will keep KIEZ's SMN Stardust format. KTOM-1390 // 100.7 FM is IDing now with slogan "The new KTOM", possibly adjusting format slightly due to KQKE's music selection. I'm disappointed that I can't attend the convention in Billings. Money was just too tight this year. I'll be thinking of you all and hope everyone has a great time. Will try to report again soon. 73 AND good DX, Jim.

Glen Hauser, Box 81874, Albuquerque, NM 87198

It's amazing how much misinformation surrounds the DX tests of KGWA-960, Enid, OK, even by the CPC Chairman himself in the 6th and 4th unnumbered pages of DXM June 12. He is correct that I had no connection with the test; however, residing in Enid at the time, I gave it some special publicity on WORLD OF RADIO. The second test, March 1, was not a no-show! I monitored and taped it myself locally, even if no one else heard it. I have yet to meet CE Scott Clark; he was a no-show for the interview I had scheduled with him to appear on WORLD OF RADIO a few days before the repeat. The following week, however, I did report on W.O.R. that the test had taken place. Although predominantly SW info, W.O.R. does cover MW to some extent and IRCAnS are missing out by not listening every week. It's spin-off, DX DAILY (now in hiatus), also publicized to everyone, not just a few phone friends, KDAB-1660 before it closed down. Some times & freqs for W.O.R. in UT are: Fri 2115, Sun 2300 on 15685; Sat 0030, 0530, Mon 0300 on 7315; Sat 0930 & Sun 0305 on 7435. 73, Glenn

Larry Godwin, 2390 Clydes Dale Ln, Missoula, MT 59801

406-721-5131

[6/15] Greetings! By the time this issue hits the mails, the 1993 convention will have ended and it's time to think about next year! Who will volunteer to host our 1994 get-together? A site farther east would accommodate many who were unable to make it to Billings. As Nancy said last issue, the TIS stations are becoming popular, maybe because you never know which one will be coming in at a given time. It's always a thrill to hear a low-power catch on 530, 1610 or 1620. Mike H., good luck in the hospital and I hope you'll turn on the radio from time to time. Elliot S., please summarize for us the current rules for issuing achievement awards. Are there awards for "heard" only? I don't see any objection to asking each applicant to photocopy a verie of your choosing. Everyone: don't abandon the dials this summer; surprises are lurking behind the thunder clouds! 73

Your Editor

I trust that many of you will be sending in your impressions of the Billings convention happenings for the next WDXF - submittals due 7/31 for the August DXM. Sure wish I could have been there, but between my wife's summer school and my own work (it's the end of the State's biennium and EOY reporting and next biennium's budgeting must be completed on time), it just wasn't possible to make even the reasonably short trip to Billings. Also, many thanks to those of you who supported my (first) run at a BoD seat. I do feel that the new slate of directors along with the new officers will provide the strong leadership necessary to a healthy and vigorous club. Please remember that nobody gets paid to work on behalf of IRCA - we all do what we can to support our excellent club and I for one am proud to be your WDXF editor.

22

EASTERN

DX

FORUM

DEADLINES: 7/31 8/21 9/4

Richard C. Evans
P.O. Box 21883
Milwaukee, WI 53221-0883

Phone: 414-ATLantic 2-9035

Ing. Carl Huffaker, Domocilio Conocido, Huasca de Ocampo, Hidalgo, C.P. 43500, Mexico// As of August 1, Mexico activates its earthquake early warning system. At Zero hours minus 60 seconds, all stations in the affected area will broadcast a tone as a signal to dive under the nearest table (or grab a six pack and join the party in the street). There's two tones, a difference of opinion between the Federal District and the rest of the country, but both sound rather like a crow with a 60-cycle hum. XEPH, the English-language station in Mexico City has been issuing some strange sounds recently. Their new 10 kw transmitter (they've increased power) has a tendency to start "motorboating" at odd times. Power increases are still too numerous to mention as station after station takes advantage of revised coverage area formulae. Summer storms have made MW DX here a memory, and this year's FM/TV skip is yet to happen. But one bright spot, I received a QSL letter from Jamaica's Radio One (FM) which took a year and three days. 73.

Bill Townshend, 4500 Connecticut Avenue Northwest, Washington, DC 20008 202-686-7698. Time for my annual re-intro. I'm 62 (I can fly at reduced rates), single, and live on a top floor flat in upper NW DC, 5 miles/8 km northwest of the Capitol, and work on the third floor of a DX-buster (as far as AM is concerned) in Marlow Heights, MD, 7 miles/11 km SE of the Capitol, for the National Weather Service (I don't take blame for any lousy Wx, hi). Speaking of Wx, just as we thought we might get off easy' pow! right in the kisser with 13 inches of snow in mid-March with a couple of embedded T-storms and an all-time low barometric pressure (28.55 in/966 mb around 1800 on Sat. 3/13). We didn't get as much snow as we got in Feb '79 (which I'd call the "WMGA/WORI" storm because of the SSS catches at start and end of storm). The famed Japanese cherry trees didn't bloom until Easter/Passover week but they were out by 3/13 three years earlier. I probably will miss the IRC convention in Billings but make the 60th anniversary NRC convention in Hartford over the Labor Day weekend. Enough for now. 73's.

Larry Flegle, N4TMW, 210 Wylie Lane, Woodstock, Georgia 30188
I believe a re-intro would be in order. I've been a CBX DXer since 1970, but didn't do much from '85-92. I am 44 years old. My wife, Jan, and daughter, Krista and I live in metro Atlanta. We have been here for 12 1/2 years. I work for MCI Telecommunications as a National Accounts Sales Manager. All facets of radio interest me. We have a lot of equipment in the shack. Collins R-388, Hammarlund SP600JX, National NC 2-40, Drake SPR-4, Sangean ATS 803, RME 9D, BC 348, Kenwood 8205, 9405, just to name a few. Antennas are primarily a space magnet and various wires. As I write this, I am somewhere over the Pacific on my way to Thailand. I will scan the bands and report in what I hear. 73's. (Larry, good to hear from you. I remember you from a couple of decades ago! Keep on sending in the reports--rce)

R.C. Watts, 4109 Graf Drive, Louisville, Kentucky 40220-3016
WBMJ-1190 in PR sent me a sticker and list of DX reports for 1990-93. Numbers are Finland-12, Italy-3, Norway-3, Sweden-16, UK-2 and a couple from the US (PA and CT). WCPC-940 in MS had a spot for "Heavy Duty (baby) chicks, \$16.50/100". Order c/o station if you're interested. Have sold sister FM. Off the air on WPGC-1580. their latest solution to night time power (270 w) limit and lack of AM coverage. Going on FM subcarrier and marketing GE Superadios modified to receive the service. Southern Command Network sent booklet and goodies in response to request for info. APO is AA 34004. 50th Anniversary in May, 1992 - "one of the oldest AFRTS networks." I think it is the oldest! Run by Army Broadcasting Service headquartered in Alexandria, Va. Staffed by Army,

Navy, Air Force and civilian personnel. Has a second FM outlet, 98.3, which I didn't hear, and not in WRTH. Besides Panama, has a broadcasting facility at Soto Cano Air Base, Honduras. They say (in booklet) AFRTS is world's largest broadcasting system, with over 500 manned and unmanned outlets in US territories, ships at sea and more than 130 foreign countries. With defense cuts it's downhill from there, I think. My first experience with AFRTS (pre-TV) was "Homesteader", the AFKN AM outlet at Pusan, Korea and shortwave from Far East Network in Tokyo. That was 1953 and "Doggie in the Window" was the hit single. Arriving at Keflavik, Iceland in 1958, we newcomers had to appear on "Welcome Aboard" over TFK (AM) and TFK-TV. Was a USAF base then. As I remember, reception was lousy. Ten years later, I walked by the AFTN facilities at Korat Air Base, Thailand almost every day without a thought about stopping by for a look see. Ah, the lost opportunities! A.J. and I did take the opportunity to visit WORX-1270/96.7 atop Telegraph Hill in Madison, IN. Nice staff people. William Potter is Station Manager and his wife, Janice, is Secretary and part-time Account Executive. There are two other (full-time) Account Executives and several DJs. Paul Voris is News Director and the Engineer takes care of WORX and several other stations out of Cincinnati. I get good reception here in Louisville and it's one of those you like listening to. A real joy to visit, because it's clean, neat, the grass is mowed and the operation is obviously well managed. Beautiful area too! 73, Col. DX.

Elliot R Straus, 980 Cooper Drive, Toms River, New Jersey 08753

Re my last forum. My question was: Do I just issue awards with no documentation or should one or two veries be photostated for verification? I don't have any problem with either way. I was just trying to get some feedback from the membership. In other words, my question was: if someone submits a list for say a 40 states verified award should I just take his list at face value or ask for some proof and if not are there any awards that should require verification or none? I've got a wall full of IRCA awards from Percy Kesteven in the 70's and I don't remember being asked for documentation on them. I'm not suggesting that it should be a requirement, just throwing the question up for discussion. I'd appreciate any comments you may have. (I think this was a personal letter to me, but I'm printing it as a Forum report for all to comment on--rce)

Rick Evans, 4841 South 26th Street, Milwaukee, Wisconsin 53221-2937

How about six veries in the mailbox since my last column was typed? That's right, 25% of the veries I've received in the five years I've been in Milwaukee came during June, 1993! Which ones were they? WYLO-540 WI, WRPQ-740 WI, WBEL-1380 IL, KFIZ-1450 WI, WCEN-1150 MI, and WKSH-1370 WI. Three were stations I had not veried elsewhere. All were letters except WKSH which was a prepared card since WKSH is 16 miles away. I hear something under them all the time (I suspect Gary, Ind., but never able to pull call letters on the station), and I reported reception for a half hour up to the signal switch at SS while I was listening at work on a small radio. I started out June with the intention of sending out a reception report every day until Labor Day. The purpose was to build up the reception file here, and have the momentum of receiving veries carrying me into the new season at Labor Day. However, in June, we had about double the normal rainfall causing all kinds of QRN coupled with quite a few 11 hour days at work. Instead of sending out 30 reports, I got 9 out the door. I also heard 3 new ones for here bringing me up to 279 heard. One of them, WCEN-1150 MI, was logged for the first time in at least 27 years, as I last heard them when I lived in Kalamazoo. I'm about ready to go shopping for a good FM DX receiver. Can anyone make a suggestion for me on one which will suppress images, spurs and such on local FM stations. The Superadio II was good for me in central Wisconsin, but not here in Milwaukee where I have close to 25 local and semi-local FM stations. I've already told the wife it will probably run close to \$500. Right now I use the telescoping antenna on the Superadio plus sometimes a 5 foot FM dipole on a stick. Any suggestions would be appreciated. My thoughts on Elliot Straus's question on requiring photostats of veries is mixed. On the one hand, we aren't running contests on the thing. My award for 45 states veried has no connection

24

with anyone else's award for 45 states varied. However, if a person sends in a list with a station or two that seems suspicious, perhaps it should be checked out. Knowing that one or two veries will be checked out will keep a person from submitting a few borderline questionable items. Yet, the person who wants to fake a verie can always do it and a photocopy won't necessarily reveal it. The guys who fake it in the hobby eventually get found out, but I'm not sure it reflects poorly on the achievement certificate process. Thoughts from others on the subject? One last thing: for years, I've heard the EBS test tones on the radio, but one night in June, I finally heard the real thing. I was at work, listening to local FM WVCY (on the headphones) when suddenly a voice cut in over the music to warn about flash floods occurring in nearby Kenosha, WI. At the end of the announcement, it requested stations on the EBS network to run it on their stations. There was no mention at the first that it was the EBS network, just a guy cutting into the music with no advance notice. The sound of the voice was real "tinny". See you in August. Any reports here on Tuesday will be put at the end, and then mailed later that day.

Mike Brooker, 99 Wychrest Avenue, Toronto, Ontario M6G 3X8
 North America's last major-market AM CHR 50kw blowtorch is no more. CFTR-680 went all news on June 7. Though they still have the CFTR calls, they ID only as "680 News", joining Country 59, Fan 1430, Mix 99.9, Energy 108, The Light 97.3, Q-107, etc. as Canadian non-IDers. They sound a lot more professional than the sloppy, amateurish, late, and very unlamented CKO. Unlike CKO, "680 News" concentrates on local and regional stories, with traffic and Wx every 10 minutes (just like WCBS or WBBM). I only logged one CPC test during the 1992-93 season, and it was the last scheduled test to air in mid-April: WVHI-1330. Still no verie from WVHI after more than 2 months. When they QSL, it will be my 600th AM verie. I've been stuck at 599 for weeks now. (#599 was WSJP-1130.) Other DX highlights for 1992-93 include WWKY, WSGW, WLSV, WLKW, and CMAQ-pm 790 after CIAO moved to 530, WCEM-1240, WCEM-1240, KIOA-940, KWPB-840, WZZX-780, WSJP-1130, and the usual motley crew of SW goofball pirates around 7415 kHz. I also did some yogic DX from the Kripalu Center for Yoga and Health. Om Namoh Bhagavate Vasudevaya. 73.



VERIFICATION SIGNERS

Stephen S. Howe
 9 Warner Drive
 St. Albans, VT 05478-1575

My deadline will be the last Friday of the month, unless indicated otherwise.

Contributors:

GVJ Gary V Jackson, 7735 Center Parkway, Sacramento CA 95823-4148
 PM Patrick Martin, P O Box 843, Seaside OR 97138-0843
 ERS Elliot R Straus, 980 Cooper Dr, Toms River NJ 08753

FREQ	CALL	NAME and TITLE	ADDRESS	WHAT	WHEN	WHO
530	TIS	Spencer Grigg, Asst Park & RecDir	City of Moses Lake, Drawer 1579 Moses Lake WA 98837	L	14	PM
560	KPQ	Tom Cashman, PubServDir	32 N Mission, Box 159 Wenatchee WA 98801	L	10	PM
630	KKPL	Dennis Callahan	E 300 3rd Ave Spokane WA 99202	P	12	PM
	CFCY	Michael Brooks	141 Kent St Charlottetown PEI C1A 7M7	P	22f	ERS

25

FREQ	CALL	NAME and TITLE	ADDRESS	WHAT	WHEN	WHO
700	KQKE	Robert R Turner, DirEng	8 Harris Ct Suite C-4 Monterey CA 93940	L	5	GVJ
720	KSAH	Bill Haberer, CE	1777 NE Loop 410 Suite 803 San Antonio TX 78217	L	13	PM
770	KCBC	Rich Woodruff, OpsDir	10948 Cleveland Ave Oakdale CA 95361	L+	49	PM
790	CFAN	No signer, GM	P O Box 338 Newcastle NB E1V 3M4	L	18f	ERS
810	KTBI	Tom Read, P	Box 31000 Spokane WA 99223	L	15	PM
890	CJDC	Morley Fountain, CE	901 102nd Ave Dawson Creek BC V1G 2B6	L	120f	GVJ
900	XEW	Martha Aguilar S	Ayuntamiento 52 06070 Mexico D. F.	L	28	PM
920	KLOC	Mike Sturteveint*	Box 542 Modesto CA 95353	L+	3	GVJ
940	WMIX	Kevin Potter, CE	P O Box 1508 Mt Vernon IL 62864	L+	43	ERS
1030	WNTL	Michael Powell, CE	P O Box 1650 Waldorf MD 20602	L	35f	ERS
1110	WWRX	Rick Everett, PD	55 Access Rd Warwick RI 02886	P	14ff	ERS
1140	CFXL	Vernon Mooses, CE	804 16th Ave SW Calgary AB T2R 0S9	Q	122	PM
1220	WKNR	John Hovanec, CE	9446 Broadview Rd Broadview Heights OH 44147	Q	128	ERS
1270	KXBX	Bill Rett, CE	P O Box 759, 2626 S Main St Lakeport CA 95453	L	17	GVJ
1330	KLBS	Jose Joao Encarnacao, GM	401 Pacheco Blvd Los Banos CA 93635	L	5	GVJ
1370	KWRM	Gem O'Brien, GM	210 Radio Ln Corona CA 91719	L	49	PM
	KWNC	Donald Lockwood, CE	P O Box 607 Quincy WA 98848	L+	122	PM
1390	KGER	Bill Sheets, CE [KF6SC]	P O Box 7126 Long Beach CA 90807	Q	19	PM
1460	WACO	Jay Harris, DJ	P O Box 21088 Waco TX 76702-1088	L+	38f	PM
1460	CJMH	Joel Simmons, CE	1111 Kingsway Medicine Hat AB T1A 7H5	L	26	PM
1510	WJIC	Ben Ferguson, PD	P O Box 132 Salem NJ 08079	LM+	40f	ERS
1540	KXED	Frederick J Holub, CE	5700 Sunset Blvd Los Angeles CA 90028	L	69f	PM
1550	WTYR	Greg Schaeffer, O	120 Jane Manor Circle Soddy-Daisy TN 37379	L	75	ERS
1600	WLNG	Paul Sidney, P	P O Box 2000 Sag Harbor NY 11963	L	19f	ERS

WHAT was received: L = Letter; Q = QSL card; P = Prepared card supplied by DXer; R = DXer's letter returned with statement; M = Coverage map; B = Bumper or other sticker; + = Extra goodies
 * [for this report] = Name handwritten, spelling uncertain

WHEN the reply came: Number of days elapsed; f = Follow-up; n = Return postage not used; r = Return postage returned

Both Gary and Patrick have clarified the KYET-1180 situation. Both report that it is KYET-1180, the signer is Gerald J Finch, GM, and that the address is 138 W Bill Williams Ave, Williams AZ 86046. Patrick's letter came in 77 days. Gary sent me a second postcard noting receiving a letter from KXBX-1270 in 5 days. I'm not sure whether the station sent him a second verie or he is correcting his original report that the letter took 17 days. Hope everyone is enjoying their summer! Thanks to all three reporters for listing their verifications in frequency order. It does make my job much easier. This column was prepared 6/25/93. 73, SSH

IRCA Stationery

Black on white masthead with the IRCA logo and name. Great for using when writing for verifications. 100 sheets, \$5.00. Order yours today from: IRCA Bookstore, 9705 Mary Ave NW, Seattle WA 98117



KANADIAN KORNER

News from the Frozen North

JOHN OLDFIELD
7135 129A Street
Surrey, BC V3W 6T4

- 540 ON CJSB Ottawa. Standard Radio wants 106.9 & KILL 540 AM.
600 BC CHRX Vancouver. Still "Classic Rock", but carries talk-phone-in "Sports Machine" 5-7 pm PST M-Fri. & Seattle M. BB.
700 NB CHSJ Saint John granted 25kw.D/10kw.N.
710 ON CJRN Niagara Falls denied using FM(killing 710) but allowed to move CKEY-FM Ft. Erie to CJRN studio. CKEY is ex famous CJFT.
760 BC CKQR Castlegar is new "mother" for CKGF-1340 Grand Forks. Different owners. CKGF(& twins) ex twinning CJAT-610 Trail.
710 PQ CIPC Port-Cartier granted 99.1 7.4kw. & AM 710 dies. Twins CKCN-560 Sept-Iles.
910 PQ CHRL Roberval now "mother" to CHVD-1230 Dolbeau & CHVD-1 FM Saint-Felieien. New owners: Holdco
950 NS CHER Sydney granted ND days.
1130 BC CKWX Vancouver now carries all Toronto Blue Jays BB.
1230 ON CHYK Kapuskasing granted 1kw.D/600w. N & local studio. Twins CKOY- 620 Timmins(CHOC-1340 Hearst also twins). French.
1230 ON CKMP Midland dies(well...to FM) & will twin CFOR FM Orillia.
1240 ON CFOB-1 Atikokan now twins CKDR-800 Dryden(same owners).
1340 NF CKXX Cornerbrook & CKXX-1 FM Deer Lake(now 80% owned by Newcap) will twin 50% from CXXG- 680 Grand Falls.
1340 PQ CKMG Maniwaki moves to FM. AM dies.
1360 PQ CJVL Ste-Marie now twins CIRO-FM 12-6am 7 days & twins CKRB-1460 5pm-Mid EST 7 days.
1460 AB CJMH Medicine Hat dies soon. CBC will use 2 FMers to replace it.
1470 ON CHOW Welland will die on AM if their FM is approved.
1510 PQ CJRS Sherbrooke now 100% twin of either CJMS-1280 or the Mutuelle Network...until Aug. 1995.
1570 ON CHLO St. Thomas denied FM. Stays here.
1570 ON CFOR Orillia moves to FM and AM dies. Mother of CKMP-FM Midland. No mention of any CFQR-1490.

CJLM Joliette, PQ now twins CIME-FM 99.5 Ste-Adele 6-Mid. 7 days EST. CFBG FM Bracebridge, ON(local pgms. 42 hr./wk.) now twins CFBK FM in Huntsville, ON.

The CHUM Radio Group buys again: CKKW-1090 & CFCA-FM Kitchener, ON London Comms. Inc. bought CJBX & FM London, ON plus CKOC(CKMO)-1150 & CKLH-FM Hamilton, ON.

The CRTC eliminated owners having to apply to move studio within their contours. Only 4 exceptions in Canada: CKDQ-910 (xr 50kw. at Strathmore near Calgary) can't ID as "Calgary", CFCW-790 Camrose(Edmonton's country station since 1960) can't ID as "Edmonton", and CFQX-FM Selkirk ditto near Winnipeg, and CIMO-FM Magog near Sherbrooke, PQ. So...CISL-650 Richmond now IDs as Vancouver. CHMG-1200 as Edmonton. Western World sold their interest in CHMG as they now own CJCA/CIRK.

We'll miss ya Ric! I introduced him to Clubs when he entered a contest years ago at CJCA. The stuff above is bits of left-overs that RW may not have in his files.

IRCA Reprints

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

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

27

'	KIJV-SD	1390	KRRZ-ND	1410	KRWB-MN	'	KBMW-MN	'	KGCX-MT
'	KTOQ-SD	1400	KVFD-IA	'	*KHOL-ND	'	WELY-MN	1490	KOVC-ND
1350	*WCMP-MN	'	KEYL-MN	1420	KTOE-MN	1460	KLTC-ND	'	KNDC-ND
1370	KSUM-MN	'	KMHL-MN	1450	KATE-MN	1470	KWSL-IA	1580	*KDOM=MN
1380	KLIZ-MN	'	WHLB-MN	'	KBUN-MN	1480	KAUS-MN	1600	*KLLR-MN

-FM-

92.1	KOWO-MN	93.5	KSCR-MN	96.5	KJKJ-MN	102.9	KBWS-SD	105.9	KMIT-SD
'	WYRQ-MN	94.5	KMSR-MN	101.7	KOLV-MN	103.1	KFIL-MN	106.1	KQLX-ND
92.5	KKWQ-MN	'	KDOM-MN	102.5	KQLW-MN	105.5	KMGM-MN	106.3	KRJB-MN

SYNDICATOR: Midwest Sports Networks.

Oakland ATHLETICS

570	KCNO-CA	980	KINS-CA	1300	KPMO-CA	1400	KIXT-CA	'	KVML-CA
580	KCMX-OR	990	KKIS-CA	1320	KCTC-CA	'	KQMS-CA	'	KOZZ-NV
910	<u>KNEW-CA</u>	1080	KSCO-CA	1340	KKTR-CA	'	KUKI-CA	1480	KYOS-CA
950	KAHI-CA	1270	KXBX-CA	1360	KNNS-AZ	1410	KMYC-CA	1490	KRKC-CA
970	KBEE-CA	1280	KJAX-CA			1450	KTTP-CA	'	KBLF-CA

Bill King, Lon Simmons, Ray Fosse

1320	WKII-FL	1320	KXOL+OK	1440	KEYS-TX
1330	*WTAW-TX	1330	*KFCA=AR	1450	KGGF-TX
1340	KSST-TX	1340	KCAT-AR	1470	KNTS-TX
1260	*KTUE-TX	1370	KFRO-TX	1530	KXTD+OK
1280	WQUE-LA	1400	KVOP-TX	1590	*KGAS-TX
1290	*KIVY-TX				

Texas RANGERS

600	KTBB-TX	710	KGNC-TX	1090	WKII-FL	1320	KXOL+OK	1440	KEYS-TX
610	KARV-AR	740	KCMC-TX	1150	WTAW-TX	1330	*KFCA=AR	1450	KGGF-TX
620	KWFT-TX	790	KFYO-TX	1230	KSST-TX	1340	KCAT-AR	1470	KNTS-TX
640	WWLS-OK	820	<u>WBAP-TX</u>	1260	*KTUE-TX	1370	KFRO-TX	1530	KXTD+OK
690	KPET-TX	920	*KTOC-LA	1280	WQUE-LA	1400	KVOP-TX	1590	*KGAS-TX

Mark Holtz, Eric Nadel

1290	*KIVY-TX								
92.3	KCUL-TX	92.7	KTOD=AR	93.7	KSPI-OK	98.3	KCUB-TX	105.3	KHOX-AR

(+) Relays 640 WWLS.

Toronto BLUE JAYS

560	CFOS-ON	910	CKLY-ON	1140	CFXX-AB	1280	CJSL-SK	1430	<u>CJCL-ON</u>
580	CKWV-ON	930	KNNS-ON	1190	CFSL-SK	1290	CJBK-ON	1450	CHUC-ON
710	CJRN-ON	950	CKBB-ON	1230	CKMP-ON	1320	CJMR-ON	1490	CFPS+ON
730	CJNR-ON	960	CFFX-ON	1240	CJCS-ON	1340	CKNR-ON	1570	CKMW-MB
790	CIGM-ON	1050	CFYN-ON	1240	CJRW-PE	1350	KKEG-BC	'	CFOR-ON
880	CKLQ-MB	1070	CHOK-ON	1270	CJTN-ON	1350	CKAR-ON	1600	CHNR-ON
900	CHML-ON	1130	CKWX-BC			1400	CKCB-ON	6080	CKNX+BC

Tom Cheek, Jerry Howarth

100.9	CKPE-NS	96.7	CKGL-ON	100.9	CFBG-ON	101.1	CHEQ-ON	101.9	CKAT-ON
-------	---------	------	---------	-------	---------	-------	---------	-------	---------

SYNDICATOR: Telemedia Sports. (N) Relays 1130 CKWX; not on air as of press time. (+) Relays 560 CFOS.

AAA MINOR LEAGUE BASEBALL

AMERICAN ASSOCIATION

550	WGR-NY	Buffalo BISON'S [Pitt]
100.9	WIRE-IN	Indianapolis INDIANS [Cinc]
1390	KSO-IA	Iowa CUBS [Cubs]
970	WAVG-KY	Louisville REDBIRDS [StL]
99.7	WWTN-TN	Nashville SOUNDS [Chisox]
870	WVL-LA	New Orleans ZEPHYRS [Milw]
1350	WSMB-LA	(backup station)
1340	KXXY-OK	Oklahoma City 89ERS [Tex]
1180	KKAR-NE	Omaha ROYALS [KC]



Pete Weber, Greg Brown
Howard Kellman
Deene Ehlis
Jim Kelch, Mark Neely
Steve Carroll
TBA

Brian Barnhart
Frank Adkisson

INTERNATIONAL LEAGUE

TBA	Charlotte KNIGHTS [Clev]
1460	WBNS-OH Columbus (OH) CLIPPERS [Yanks]
790	WTAR-VA Norfolk TIDES [Mets]
TBA	Ottawa LYNX [Mont]
1320	WARA-RI Pawtucket (RI) RED SOX [Bos]
910	WRNL-VA Richmond BRAVES [Atl]
1280	WPXY-NY Rochester (NY) RED WINGS [Balt]
980	WILK-PA Scranton/Wilkes-Barre RED BARONS [Phi]



TBA
Terry Smith
TBA
TBA
Jack LeFaivre
Steve Stewart
Josh Lewin
Ken Westling
(continued)

KIWA MW LOOP ANTENNA
Phil Bytheway

KIWA Electronics, of Yakima WA has recently made available its first MW loop antenna. Over a year of research and experimentation went into both the physical and electronic design. It employs smooth Teflon bearings for rotation and tilt, as well as a geared tilt mechanism with little or no backlash. The pre-amplifier includes adjustable regenerative feedback for increased selectivity.

The loop stands 16 1/2 inches high and is mounted on a sturdy wood base (you need to attach the loop to the base after unpacking). Workmanship is excellent, the overall black finish makes it look quite sharp (great for those into aesthetic DX equipment). The lettering and graphics give nostalgic hints of equipment from yesteryear. Fully assembled, the weight is approx 14 pounds. A compass is mounted to the center top of the loop. An 8 foot/5 conductor cable leads from the loop to the control box, where the tuning, gain and regeneration controls are located. Two separate 50 ohm outputs (PL-259 connectors) allow the user to use the loop with two different receivers at the same time.

DETAILS. The loop is wound on a 12 3/4 inch, 1/4 inch thick PVC pipe with magnet wire. The loop is horizontally mounted inside a 1/2 inch thick PVC pipe which connects to the base (it can also be used to carry the loop). Two small plastic boxes are mounted inside the loop, the bottom one houses the tuning, pre-amp and regeneration circuit. Matched LS 5912 / H11F3 FETs are used in the amplifier/regeneration design. The top box acts as a counterbalance to the electronics box. The 5 conductor cable exits the electronics box and passes through the left mount to the control box. On the outside of the right mount is the geared tilt box (3:1 gear reduction - very nice). One knob for tilt adjustment, the other indicates the tilt angle.

The loop consists of 4 separate windings and tunes 530-1720 khz. The two 2-turn outside windings are for the regeneration circuits. The two 11-turn windings are for the two main tuned circuits, tuned with varactor diodes (inside the electronics box). The windings are wound in grooves mechanically cut into the loop PVC pipe. This guarantees exact symmetry of the coil and the nulls (see below). The ends of the windings pass through the bottom of the loop and into the electronics box. A local/DX switch is mounted on the electronics box, which allows the user to select negative/positive feedback from the two regeneration loops (specified as a 25 db reduction in pre-amp gain). Negative feedback drops the gain as well as flattens out the frequency response of the loop for 'hi-fi' listening. Positive feedback (or regeneration) narrows the frequency response and adds gain at the tuned frequency. The amount of feedback is adjustable.

The control box can be conveniently placed near the receiver which allows easy adjustments to be made without interfering with the loop itself. The gain knob allows adjustments from 'off' to 'wide open' and adjusts the gain to both receiver outputs at the same time. This feature allows the user to tailor the loop output for a wide variety of receiving equipment (from a simple portable to communications receivers) without the possibility of overload. Loop tuning is accomplished with

two knobs, coarse and fine tuning. The coarse knob is adequate for the lower AM band (to 900 or so), but the fine tuning knob becomes necessary when the upper band is tuned (it can also be used to easily adjust the loop peak to either side of the frequency of interest). The final knob is used for regeneration adjustment, which regulates how much of the regeneration loop signal is fed back into the main pre-amp. There is enough range on this knob to adjust from no feedback to well past oscillation in all situations. Power for the antenna is connected to the control box as well, either from the AC adapter (included) or from 13.7 VDC (typical car battery or other DC supply - I did not try this). Current draw is specified as 50 mA (I didn't measure this).

USING THE LOOP. The KIWA loop operates much the same as other loops I've tried. After tuning the receiver, the loop is tuned. The loop is then rotated and/or tilted for optimum performance. I rotate mine by grasping the outer 1/2 inch PVC, and have found the adjustment to be smooth. To tilt the loop (usually only necessary for nulling), grasp the lower knob on the tilt box and adjust to the appropriate angle keeping an eye on your S-meter/LEDs for minimum signal. Trading off between adjusting the rotation and tilt is necessary for optimum null. The null is very sharp and, with patience, is very deep. Using a R-70, with an uncalibrated S-meter, my locals were nulled from 30-50 db, most of them to the point of receiving audio from stations underneath. The null will not seem as 'deep' if there is no station to receive... but the S-meter will tell you it's significant (often times you'll hear a rush effect in the null if there is not another station to receive). There is little to no effect caused by hand capacitance, when you move you hand away from the loop, the null remains!

I have made several measurements of the symmetry of the nulls on various local stations and have found them to all be 180 degrees apart. My procedure is as follows: first the station is nulled, the top compass pointer is adjusted to the null and the tilt angle is scribbled down somewhere. Then the loop is swung 180 around and the null is once again established (depth is approx the same either direction). Checking the compass reveals the pointer 180 degrees from it's adjustment and the tilt angle to be the same... very good. The compass can therefore be used as an effective direction finder (often useful in distinguishing signals of TP origin versus DU signals on the same frequency).

The regeneration really shines when trying to dig out stations located next to locals. As usual, the local tuned and nulled, then the receiver and loop are tuned to the desired adjacent frequency (no need to touch the loop - a great asset). The regeneration control is then adjusted (clockwise). As the oscillation point is neared, the sidebands of the received signal begin to drop off (you can easily notice this by the loss of high frequency 'hiss' in the received signal). Back off slightly from the oscillation point. Too little back off may result in some 'bleed through' from the local, too much and the sidebands return, practice makes both of these situations easy to recognize. The fine tuning knob must also be adjusted, as the frequency seems to change a bit near oscillation. As long as you know that you need to adjust both the regeneration and fine tuning knobs, this does not present a significant problem. Adjust both knobs for optimum signal. You can then tune farther away from the local, like you would with a narrow

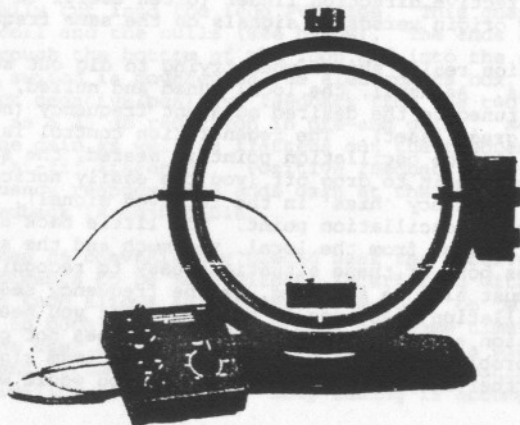
filter, and repeak, thus tuning into the side-band farthest away from the local. Regeneration can also cut some of the 'hiss' in more normal DX situations. What the KIWA loop provides, then, is an additional element in your set-up for achieving better selectivity in tight DX situations.

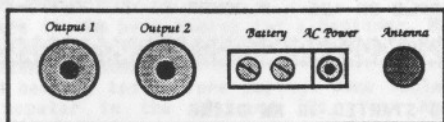
I have found that for about a half hour after power up, the loop tuned frequency drifts a bit. This may be due to a warm-up of the circuits generating tuning voltages. When using the regeneration (or upper band DX), the drift is significant enough to tune the loop away from the peak... a slight adjustment is necessary to repeak... so be sure to check your tuning once in a while. I am getting into the habit of turning on the loop at least a half hour before I leave it on for the night... then doing a final 'fine tuning' adjustment before leaving. No significant drifting is noted the next morning using this technique.

KIWA electronics provides a manual with the antenna. All the specifications are outlined, as well as a complete discussion of optimum set-up location. Each of the controls is described, as well as an easy to understand dialog of how to use the loop for nulling. There is also a brief discussion on bearing measurements. In addition, alignment instructions are provided, as well as some tips for antenna maintenance (including replacing the O ring in the 'tilt' gear box). A complete set of schematics for both the electronics and control box are provided. Directions for obtaining customer service are included. The KIWA loop comes with a 1 year Warranty, plus a 30 day trial period, and is available from KIWA Electronics, 612 S 14th Ave, Yakima WA 98902 for \$330 plus shipping.

The KIWA MW Loop antenna (and it's designer Craig Siegenthaler) will be making an appearance at this year's IRCA Convention in Billings (June 25-27), and will be available for trial as well as purchase. phil b

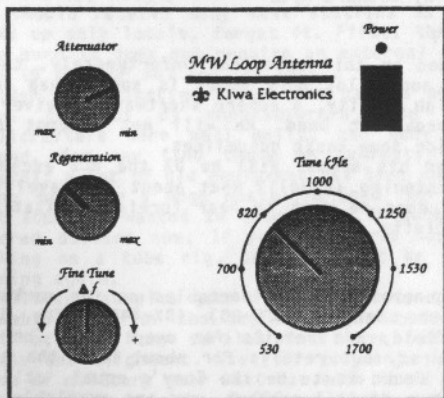
High Performance MW Air-Core Loop Antenna





Rear panel layout

Two receivers can be connected to Outputs 1 and 2 simultaneously. The output connectors mate with a PL-259 coax connector. Power is supplied by a modular transformer or by a 13.7 VDC auto or motorcycle battery.



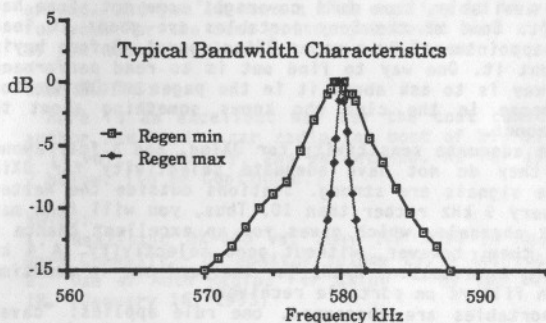
Front panel layout

The attenuator adjusts the output level to the receiver(s).

The regeneration control performs as a variable bandwidth control. As the regeneration is increased, the bandwidth narrows and the gain increases. The regeneration control provides typically up to 75% bandwidth reduction as it is adjusted from the minimum to maximum position. Typical bandwidth characteristics are shown below when measured with a center frequency of 580 kHz.

The main tuning control tunes from 530 to 1700 kHz.

The fine tuning control augments the main tuning control for precise tuning of the antenna.



The loop antenna is made of the finest materials. The control surface shown above, is housed in a heavy duty steel chassis. Connection of the antenna to the control surface is by way of an eight foot control cable. The antenna uses teflon for all pivot points and the antenna is made entirely of non-metallic parts to prevent interaction with the loop antenna element. The antenna is hand crafted in the USA and carries a one year warranty.

Dimensions: overall height 17 inches, 43 cm
Weight: 16 pounds, 7.25 kg

Method of Payment: Payment must be in US funds. We do not accept Mastercard, Visa or Discovery. We do accept personal checks, postal money orders, cashier checks.

Shipping and Handling: Most orders are shipped in North America via UPS ground. If you prefer another choice please let us know. Orders to Alaska, Puerto Rico and Hawaii are shipped UPS 2nd day air. Please contact Kiwa for pricing.

Price: MW Loop Antenna \$ 330.00

Shipping and Handling in the continental US \$10.00
Shipping and handling to Canada \$17.00

30 Day Trial Guarantee
All orders include a 30 day trial period. If for any reason you are not satisfied, return the antenna within 30 days and your purchase money will be refunded.

Kiwa Electronics

612 South 14th Ave. Yakima WA 98902 USA

☎ 1-800-398-1146 or 509-453-KIWA

GETTING STARTED IN MW DXING

By Leonard Hyde

PART 1: WHAT RECEIVER TO BUY?

Many a new DXer is confounded by this question. Unfortunately, the wrong receiver is sometimes bought, and a lot more money is spent than need be. High cost does not guarantee high quality. A superb shortwave receiver may be seriously deficient on the broadcast band. We will not attempt to rate receivers here, merely to provide some basic guidelines.

First, the DXer must consider his needs. Will he DX the BCB exclusively? Or, does he enjoy shortwave listening as well? What about longwave? Does he plan to DX domestics only, or does he want to hear foreign MW stations? If so, he will need sharper selectivity.

PORTABLES:

There are several excellent general coverage portables on the market, such as the Sony ICF-2010, and the Sangean ATS-803 (DX-440.) The Sony is considered the class of the field, and retails for over \$300. The Sangean lacks some of the Sony's features, but retails for about half the cost. At least one performance test has found it to be the Sony's equal, at least on MW. (Note 1.) Both receivers have digital readout, and are available at this date (mid 1993.)

Many other portables are available, some full coverage, some not. Some have digital readout, some don't. Some of the Sony portables are good: at least one was labeled "a big disappointment" by a major DXing annual. Before buying any receiver, find out about it. One way to find out is to read performance evaluations. Another good way is to ask about it in the pages of DX Monitor. There will surely be someone in the club who knows something about the receiver you are thinking about.

Most of these radios have adequate sensitivity for DXing, and a fair amount of selectivity. However, they do not have adequate selectivity for DXing foreign stations unless the signals are strong. Stations outside the Western Hemisphere are assigned every 9 kHz rather than 10. Thus, you will find many of them between our 10 kHz channels, which gives you an excellent chance to hear them. You won't hear them, however, without good selectivity. A 4 kHz mechanical or crystal filter is a must: a 2 kHz (or sharper) one is sometimes needed. You won't find such filters on portable receivers.

As far as non digital portables are concerned, one rule applies: "caveat emptor." Many of these are cheap foreign products that will only frustrate and disappoint you. Most have poor sensitivity, inaccurate dial readout and are cheaply made. Test it before buying it. If it picks up only local stations, the dial is hard to tune or read, it whistles and howls, or the station comes in at a different place each time you turn the dial, forget it. Save your money until you can afford something better.

For years, the best non digital portable was the GE Superadio (I and II.) These were excellent receivers, with tremendous sensitivity. The price was below \$100. It remains a best buy for the beginning MW DXer.

However, don't look for one in a retail store: they have been discontinued in favor of the Superadio III. All reports to date on THIS receiver have been highly disturbing. If you want a Superadio, look for a used one in good condition.

COMMUNICATIONS RECEIVERS:

Here, the same rules apply: high cost does not always mean high quality. A number of otherwise excellent communications receivers do not perform well on MW. Some are plagued with noise from the digital readout. Here especially, use the club for input: performance tests often do not take MW into account.

It is probably better for the beginning DXer to start with something other than a top of the line communications receiver. Why pay a grand or more for a radio you may tire of eventually? Get started on a portable or a used

receiver. After you have DXed for awhile, you will know whether you are going to stick to it or not. You will also know a lot more about receivers, and which one you want to spend your hard earned money on.

USED RECEIVERS:

Here is the best choice for a beginner. Many receivers made since WW II are excellent for MW DXing. These include portables, table radios, ham gear, and military surplus.

As before, test before buying. Some table radios, even the multi band units so popular in the 40s and 50s, lack an RF amplifier. The result: poor sensitivity, image, and cross modulation problems. A BCB receiver with an RF amp should receive many weak stations as you tune across the band. If it picks up only locals, forget it. First, though, check the back of the set to make sure it does not require an external antenna. If so, attach a length of wire (6 feet or so) and try again.

Older communications receivers can be an excellent buy for the beginning DXer. Products by manufacturers like Drake, Hammarlund, Collins and Hallicrafters were well built, and many in good working order are still around. You may find these at hamfests, or for sale by other DXers. Be careful: a lot of old equipment has been modified. Also, the ham community is being swept by a huge nostalgia boom for tube equipment. The old Super Pro that some ham wanted to unload for 20 bucks a few years ago may fetch a few hundred dollars now. If you listen to hams, you will surely hear somebody talking on a tube rig, bragging that he just spent \$300 getting it up and running again.

Military surplus gear is often good, and cost efficient. However, it is probably best for the beginner to stay away from it. Most of it requires modification. Many surplus sets have odd power requirements. It may need repair and alignment. Use your judgment. If another DXer wants to sell you a piece of military gear that has been fixed up already, you may be OK.

The R-390A and the R-392 military radios are excellent for MW DXing. However, you will pay in the \$200-300 range, you can't carry either one around, and you'll have a time selling it if you decide that MW DXing is not for you. For the same price, you could have a good digital portable, and none of the above problems.

CAR RADIOS:

Here is an excellent way for the cost conscious DXer to get started. The author has used a car radio for most of his life. All you need is a speaker, a 12 volt DC supply, and an antenna. As far as which set to choose, see note 2 below. (To Be Continued.)

NOTES:

1. "Realistic DX-440 vs. Sony ICF 2010 (A Medium Wave Dx Evaluation)" - By Mark Connelly - DX Monitor Volume 29, # 16. (January 4, 1992)
2. "Use of Auto Radios For DXing" - by the author - DX Monitor Volume 30, # 18. (January 16, 1993)

IRCA AM-FM ALMANAC - Limited Edition

The 5th Edition of the IRCA AM-FM ALMANAC has sold out, and the 6th Edition will not be published until next year. But several DXers have expressed interest in obtaining the most recent Almanac edition from 1991. To satisfy this demand, a limited number of copies of the 5th Edition will be published this summer. We'd like to know how many copies to print.

- **1991 Edition** — This will be the edition sent to the press in October 1990, and as such all sections are at least that old, with some information from 1988 and 1989.
- **Looseleaf Edition** — This edition will not have a comb binding. This will allow us to copy the necessary pages, to send you a complete book ready to hole-punch and place in a binder.

If you already own the 5th Edition, this will be no different. If you do not yet own an IRCA Almanac and you want up-to-date information, you may prefer to wait for the new 6th Edition next year.

But if you want the 5th Edition, please let us know as soon as possible. Price to IRCA members will be \$13 U.S., \$14 Canada. Send no money at this time. Write to Bill Hardy, 2301 Pacific Ave., Aberdeen, WA 98520-4527. Thank you!



Focal Press

FOR IMMEDIATE RELEASE

Focal Press is pleased to announce the publication of:

The Radio Station, Third Edition

Michael C. Keith
and Joseph M. Krause

The Radio Station, Third Edition is a concise and candid guide to the internal workings of radio stations and the radio industry. A comprehensive blueprint, this book details the functions performed successfully within every well-run radio station. Not only will readers understand how their job is performed, they will know how it meshes with those of the rest of the radio station staff. For readers uncertain of career goals, this book provides a solid foundation in who does what, when, and why. In a fresh and engaging style, *The Radio Station, Third Edition*, details all departments within a radio station.

This new edition updates and expands a classic text acclaimed by radio educators and practitioners from around the United States. New illustrations, sections, and discussions bring the reader into the present world of the radio station, providing insight into this dynamic and ever-changing field. Featured are new sections on:

- digital audio broadcasting
- regulatory developments
- new economic realities
- digital audio workstations
- marketing innovations

The Radio Station, Third Edition, is a vivid and enlightening introduction to the radio industry and prepares any reader for a career in radio.

Michael C. Keith has taught at George Washington University, Emerson College, and Marquette University, and has served as Chairman of Education at the Museum of Broadcast Communications. He worked for twelve years in the radio industry in a variety of positions. Mr. Keith co-authored *The Broadcast Century* (1992) with Robert L. Hilliard and authored *Radio Programming* (1987), *Broadcast Voice Performance* (1989), *Radio Production* (1990), and *Selling Radio Direct* (1992).

Joseph M. Krause is a twenty-year veteran of the broadcasting industry. He has been a deejay and programming director at some of the top stations in the United States. Currently Mr. Krause runs his own media consulting company, Krause Communications.

CONTENTS: *Forward * Preface * 1. State of the Fifth Estate * 2. Station Management*
*3. Programming * 4. Sales * 5. News * 6. Research * 7. Promotion * 8. Traffic and Billing*
*9. Production * 10. Engineering * Consultants and Syndicators * Glossary * Index*

March 1993 315pp. Softbound ISBN 0-240-80159-8 \$34.95

Please fax Paula Vratos c/o Focal Press @ 617/279-4851 for a book review copy for your publication.

LJB/KEITHPR

Focal Press is an imprint of Butterworth-Heinemann
80 Montvale Avenue, Stoneham, MA 02180 (617) 438-8464 FAX (617)279-4851
Orders only (800) 366-2665

36

A COUPLER AND UPGRADES FOR THE QUANTUM LOOP

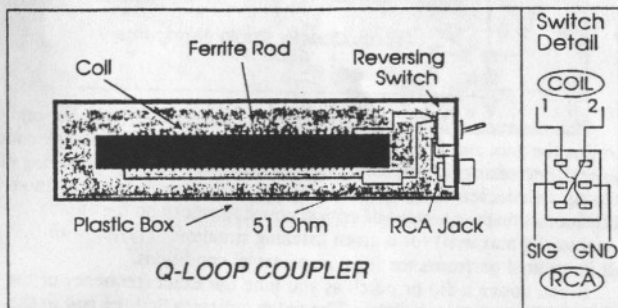
Gerry Thomas

A couple of people who have purchased Quantum Loops have requested a means of coupling the antenna to radios without external antenna terminals. I've finally got around to putting together a coupler and, since it should work with other amplified loops, thought I'd take a few minutes to pass on the details of its construction. Following the coupler construction section are a few mods to the Quantum Loop that might prove beneficial to some Quantum Loop owners.

QUANTUM LOOP COUPLER

Conceptually, this device is very simple and its total parts cost is around \$10.00 to \$12.00 (less if it's assembled out of parts from your junk box). Basically, it consists of a coil wound on a ferrite rod housed in a plastic cabinet. A signal is fed to one lead of the coil and routed to ground through a 51 Ohm, 1/4W resistor (to provide a load for the amp). Mounting hardware, an input jack, and a current reversing switch round out the principal components. The coupler is connected to the output of the Quantum Loop via a 3-foot patch cord (RG-174U) suitably terminated with connectors.

When placed near the cabinet of a portable radio (and parallel to its internal ferrite rod antenna), the signal being radiated by the coupler is picked up by the radio's antenna and coupling occurs. One of the nice things about a physically discrete connection (like the coupler) is that tuning sharpness (or Q) and gain can be controlled simply by varying the distance between the coupler and the radio...but more on that later.



COMPONENTS

- Ferrite rod - I use a 3-5/8" L by 5/16" D rod (you don't want a monster rod or it may pick up signals on its own).
- Plastic cabinet - I chose a black 4" L x 1" W x 1" D cabinet.
- Coil - The amount of wire doesn't matter too much once you get beyond a couple of feet; I use three feet of 28 gauge magnet wire close-wound.
- Reversing switch - This is a standard miniature DPDT toggle.
- Jack - I chose RCA because of its small size; anything that will fit will do. You could hard-wire the connection but I like the flexibility of a jack.
- Resistor - A 1/4W, 51 Ohm carbon resistor is fine.
- Mounting method - You could glue the rod to the bottom of the cabinet but I decided to use nylon ties and mounting platforms.
- Patch cord - RG-174U is sufficiently flexible and is shielded (though not perfectly - 76%); a PL-259 plug (and reducer) was used in order to match the output connector of the Quantum Loop.

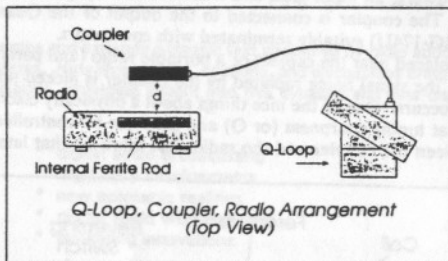
CONSTRUCTION

Construction is pretty self-evident with nothing being particularly critical (other than the wiring of the current reversing switch). A look at the preceding illustration should provide all the important information but here is a outline of the steps in the construction of the coupler...

1. Wind the coil on the rod (or on a coil form) being sure to leave leads long enough to reach the reversing switch. Tape or Q-dope in place.
2. Solder the jumpers on the DPDT switch (see illustration).
3. Drill two holes in one end of your chosen cabinet and mount the switch and jack.
4. Mount rod/coil assembly in cabinet.
5. Hook up coil wires and 51 Ohm resistor to switch, and wires to RCA jack.
6. Assemble the patch cord with connectors.
7. Cover cabinet and attach patch cord.
8. Connect to loop.

OPERATION

Position the Quantum Loop at a sufficient distance from the portable radio to prevent oscillation and place the coupler near the radio (it can be on the table top; it doesn't have to be in contact with the radio) so that the coupler is parallel to the radio's internal ferrite rod (see illustration below).



The distance ("d" in the illustration) between the coupler and the radio will determine the gain and Q of the system (as will the angle between the coupler and radio). In general, decreasing "d" will result in an increase in gain and a lowering of Q; conversely, increasing "d" decreases gain but increases Q. This latter condition deserves some qualification -- there is a point of critical coupling where both gain and Q are optimal (but not necessarily maximal) for a given listening situation. Playing with the "d" variable will result in optimal performance for a given set of conditions.

If you notice a dip or notch as you tune the exact frequency of the desired station, flip the current reversing switch. The notch indicates that the coil in the coupler and the coil of the radio's antenna are wound in opposite directions; the reversing switch will correct the situation and a peak should result. Theoretically, if the signal being provided by the coupler is the same as the signal being picked up by the radio's internal loop, judicious tweaking of the Quantum Loop's tuning knob (to create an in-phase condition) then a flip of the reversing switch to the "reverse" position should result in a notch of infinite depth. In real terms, I haven't found it possible to decrease the gain of the Quantum sufficiently to match my radios' internal rod's signal so, while a notch is sometimes detectable, it hasn't been particularly useful.

At moderately close coupling ratios, the output of the Quantum Loop is so high that the signal being radiated by the coupler largely swamps the radio's internal antenna thereby negating its signal capturing ability. In other words, by using the coupler with a loop like the Quantum, you need only rotate the loop's head to obtain nulls on most stations. On stronger stations, the radio's antenna/circuitry will pick up enough signal so that rotating the radio is necessary for deepest nulls.

If you have neither the time nor inclination to build one of these couplers, I'll put one together for Quantum Loop owners for \$17 (+ \$3 shipping). If you haven't purchased a Quantum Loop, the price is \$27 (+ \$3 shipping).

36

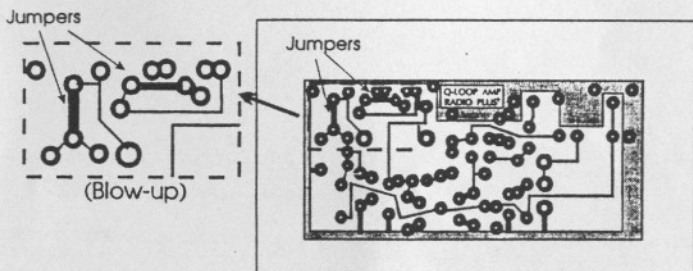
QUANTUM LOOP UPGRADES

Q IMPROVEMENT

In Mark Connelly's excellent review of the Quantum Loop last season, he suggested adding inductance in the coil legs to reduce the possibility of SW feedthrough under certain situations. This modification works and all Quantum Loops I've constructed since then have included this SW filter. However, there is a minor drawback... By introducing the inductance, DC resistance is also introduced thereby lowering the Q (and, ultimately, the gain) of the coil assembly. The DC resistance of the inductors is only 1.2 Ohms, which appears to be minimal, but is significant when compared to the .1 Ohm of a direct conductor. Therefore, all Quantum Loops I've sold recently have had the inductors included in the circuit but I've also by-passed them with defeatable jumpers. The thinking being that if SW feedthrough is a problem, the owner could simply snip the jumpers to reactivate the filter.

Following are the details for performing this mod on existing Quantum Loops. Note that Q will be increased to the point where the steeper, deeper, and narrower nose and skirts of the passband may cut the sidebands on stations on the lower portion of the band. While this degrades fidelity, as a DXer, I prefer the greater control sharp Q provides.

1. Remove loop head and set aside.
2. Remove four (4) screws securing the amplifier base.
3. Locate printed circuit board.
4. Study following figure and solder the two (2) short jumpers to the points illustrated in the figure.
5. Replace amplifier base and install screws.



(Note: If you have one of the earlier, hand-wired, versions of the Quantum Loop that has had the inductors installed after the fact, just solder a jumper across each of the inductors visible on the bottom of the board.)

LOOP HEAD PIVOT BEARING

One owner of a Quantum Loop apparently over tightened the cap screws holding the loop head to the chrome pedestal. The result was slightly stripped threads which the cap screws didn't adequately "bite." If you have this problem, here are two possible fixes...

A. Remove the outer, smaller nylon washer bearing from the pivot assembly. This will allow the cap screw to protrude farther into the thread and get a better grip.

OR...

B. Drop me a line and I will send you a full-length sex bolt assembly (yeah, that's what they're called, hi) that goes all the way through the pivot point. The drawback of this solution is that the shielded wires that run from the loop head to the pivot plug will sometimes gather when the loop head is tilted.

All of the preceding upgrades will be gladly performed by me if you'd rather. There is no charge but I'd appreciate return shipping. Thanks....

Gerry Thomas, 3635 Chastain Way, Pensacola, FL 32504

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



FIRST CLASS MAIL

31-09
J D STEPHENS
3715 CONGER RD SW
HUNTSVILLE AL
35805-5725 USA

**THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)
PO Box 70223 Riverside CA 92513-0223**

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: Phil Bytheway, 9705 Mary NW, Seattle, WA 98117 (206) 356-3927 (proposals)
Secretary-Treasurer: Ralph Sanserino, PO Box 70223, Riverside, CA 92513-0223 (dues/address changes)
Board of Directors: Shawn M Axelrod, Michael S Hardester, Bill Hardy (chairman), Albert S Lobel, Patrick Martin and Robert Wien
Editor-in-Chief/Publisher: Ralph Sanserino, PO Box 70223, Riverside, CA 92513-0223
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, PO Box 70223, Riverside, CA 92513-0223. 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, PO Box 70223, Riverside, CA 92513-0223.

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. *