

Colorado Council of Amateur Radio Clubs - December, 1992 Newsletter

NEXT CCARC MEETING SCHEDULED APRIL 10th, 1993

The Spring, 1993 meeting of the Colorado Council of Amateur Radio Clubs will be held on Saturday, April 10th, starting at 1:00 p.m., at Clock Tower Square, located at 14231 E. 4th Ave. in Aurora. The Denver Radio Club will be hosting this meeting. Talk-in will be on the 147.33+ repeater. DIRECTIONS: Go one block east of I-225 on 6th Ave. Turn right (South) on Billings (just before Denny's). Proceed south two blocks to Clock Tower Square on right.

MINUTES OF SEPTEMBER, 1992 CCARC MEETING

The fall meeting of the CCARC was held on September 19, 1992 at the Commerce City Library, hosted by the Empire Radio Club. Nine amateur radio groups had delegates present. The meeting was called to order at 1:10 p.m. by Whit Brown, CCARC chairman. Introductions of delegates and guests and general announcements followed.

Reports and Announcements:

The minutes of the March meeting were approved as published.

Mike Wisch, Treasurer, reported on the current financial state of CCARC. [Report attached to these minutes.]

There were no reports from the legal committee or the stolen equipment committee.

Whit Brown reported for the coordination committee. Whit is no longer a member of the VRAC (VHF Repeater Advisory Committee). ARRL may disband the VRAC and replace it and other groups with a 7-9 member Spectrum Management Committee selected by the ARRL President. The ARRL Board would retain general authority over actions and recommendations of the committee.

The Southern California version of the 6m band plan was accepted by the ARRL Board. This plan features 500 kHz splits rather than the 1.7MHz split plan favored by the VRAC majority.

The state of Washington has applied to join MACC (Mid-America Coordination Council).

Whit gave a presentation at the Dayton hamfest on the coming move of wind profiler radars to 449 MHz.

Unused frequency pairs are continuing to be withdrawn from coordination.

Old Business:

The U.S. West policy toward amateur autopatches is still being worked on. Jim, WD0E, is handling this item.

New Business:

Applications for CCARC membership by the Colorado Amateur Repeater Network (CARN) and the Cheyenne Mountain Amateur Radio Club were approved.

The repeater maps are being revised. Ham Radio Outlet has been a major distributor for these. Clubs are reminded that quantity discounts to clubs are available.

Since the balance in the CCARC treasury is now over \$3000, Whit solicited inputs on how these funds might

6

10

be utilized. Suggestions included purchase of portable repeater equipment for use in emergencies or public service, and RDF equipment to loan to clubs needing to track down interference or jamming problems. After considerable discussion, a motion to table this issue passed. Member clubs are encouraged to consider how CCARC may best utilize its resources for the benefit of the clubs.

A nominating committee is needed for the next meeting. Elections will be held for the offices of Chairman, Secretary, and Frequency Coordinator. Anyone interested in serving on this committee or in holding one of these offices is encouraged to contact Whit or any of the other CCARC officers.

A host club needs to be identified for the Spring, 1993 meeting. [Note: This will be the Denver RC.]

Bob Schmid, WA9FBO, asked for input on how the proposed "Long Tone Zero" (LITZ) alerting system should be implemented. ARRL has proposed a standard alert signal consisting of a long (greater than 3 seconds) "0" DTMF tone, but no specific action or implementation is defined. Discussion included possible inclusion in a controller of macro triggering upon receipt of a LITZ signal, and possible identification of repeaters implementing LITZ alerting in the repeater directory. No formal action was taken.

Rich High, WOHEP, commented on the state of ham radio in the former USSR, based on his recent visit.

Whit thanked the Empire Radio Club for sponsoring the meeting, and the meeting was adjourned at 2:55 p.m.

Colorado Packet Association Meets Jan. 23rd

The annual breakfast business meeting of the Colorado Packet Association (COPA) will be held at 8:00 a.m., Saturday, January 23, 1993, at the King's Table in Northglenn. This meeting will include elections of officers and directors. If you would like to hold an office or nominate someone, please contact Dave, KT0H. If you plan to attend, please contact Dave so a headcount can be determined in advance (KT0H@KT0H.#NECO.CO.USA.NA). Watch your local packet BBS for more information.

ARRL and CCARC Officials

ARRL Regional Director: Marshall Quiat, AG0X, 1580 Lincoln St Suite 440, Denver, CO 80203
ARRL Vice Director: Bob Scupp, WB5YYX, 648 Marquis Dr NE, Albuquerque, NM 87123
ARRL Asst. Director: Bill Sheffield, KQ0J, 1444 Roslyn St, Denver, CO 80220
ARRL Colorado Section Mgr: Tim Armagost, WB0TUB, 6337 S Lafayette Pl, Littleton, CO 80121

CCARC Chair: Whit Brown, WB0CJX, 14418 W. Ellsworth Pl, Golden, CO 80401
CCARC Treasurer: Mike Wisch, P.O. Box 37101, Denver, CO 80237
CCARC Secretary: John Schmidt, NK0R, 1001 King Dr, Loveland, CO 80537
Legal Comm.: Marshall Quiat, AG0X, 1580 Lincoln St Suite 440, Denver, CO 80203
Stolen Equip. Comm.: Chuck Myers, W0RNT, 1120 Yosemite Dr, Colorado Springs, CO 80910

Newsletter Material Needed

Your CCARC secretary would be happy to accept any appropriate material for the CCARC newsletters. If you have something (VE schedules, swapfest info, special recognitions of local hams, etc.) that you would like to have published, please contact John, NK0R, at (303) 663-7581, or write to me at the address given above. I would prefer submissions in electronic form, and will be happy to accept MS-DOS floppy discs (ASCII or WordPerfect files). I can also arrange to pick up submissions through packet radio, CompuServe (71601,2462), Internet (jws@fc.hp.com) or direct modem transfer. If enough material comes in, we may publish an interim newsletter. (Newsletter editors are always starved for input...)

CCARC TREASURER'S REPORT
SEPTEMBER 19, 1992

Beginning Balance: \$ 2665.26 as of June 1, 1992

Income		Expenses	
Repeater Maps/Lists	\$ 233.75	Bank Charges	\$ 45.94
Memberships	\$ 324.40	Repeater Forms	\$ 44.79
		Stationary	\$ 19.83
		Copying	\$ 24.71
<hr/>		<hr/>	
TOTALS	\$ 558.15		\$ 135.27

Surplus: \$ 422.88

Ending Balance: \$ 3112.85

CCARC MEMBERSHIP
September 19, 1992

Organization Name	Contact
Arkansas Valley ARC	Steven Northcut, WD0BFA
Aurora Repeater Association	David Richendifer, WD0HNQ
Big Sandy Amateur Radio Club	Antoinette Saum, N0GVC
Boulder Amateur Radio Club	Barbara McClure, N0BWS
Cheyenne Mountain ARC	Dan Remy, WA0KXO
Colorado Amateur Repeater Network	Roger Johnson, WB0GAI
Colorado Connection	Sheryle Diletto, NN0A
Denver Radio Club	Mark Edwards, WD0X
Denver Radio League	Milt Davenport, W0IW
Empire Amateur Radio Club	Merilyn Morris, KB0CMN
Groundstar Repeater Group	Whit Brown, WB0CJX
Longmont Amateur Radio Club	Al Muth, WB0Z
Lookout Mountain Repeater Group	Larry Nash, K0CGP
Loveland Repeater Association	Jason Maxfield, N0KTC
Mountain Amateur Radio Club	George Hinds, N8CIX
North Green Mountain ARC	Chic Myers, KE0JM
Northern Colorado Amateur Radio Club	Kent Douglas, KA0TTH
Pikes Peak Radio Amateur Association	Al Vrooman, N0CMW
Pueblo Ham Club	Charles Miller, WB0YQF
Rocky Mountain Radio League	David Avery, N0HEQ
Ski Country Amateur Radio Club	Bob Ludtke, K9MWM
State Amateur Radio Emer Services	Edith Sheffield, KA0MQA
Telstar Repeater Association	Charles Myers, W0RNT
Weld Amateur Radio Society	Andy Loomis, KE0UL
Western Vision Network	Ron Hranac, N0IVN

29.620- DENVER W0TX	146.790- DILLON H80A	147.300+ DENVER K0LP	447.375- PORTCOL W0BRA	448.925- DENVER K0CA
29.640- DENVER W0PPV	146.790- GRDJCT W0NB	147.315+ CNTRL'D ACCESS	447.400- CRPLCRK W0WDF	448.950- DENVER WA0GZ
29.680- COLOSPPR K0XB	146.790- PUEBLO W0DQ	147.330+ DENVER W0TX	447.450- BOULDER W0DA	448.975- DENVER WA0UCQ
53.030- PUEBLO WA0VTO	146.790- WRAY K0LND	147.345+ COLOSPPR W0CAN	447.450- PUEBLO K0R0	449.000- DENVER W0DLGC
53.050- DENVER W0PVP	146.805- DENVER K0QJ	147.360+ PORTCOL W0QBY	447.500- DENVER K0ZCO	449.025- COLOSPPR W0G
53.070- DENVER WA0Y0J	146.820- GRDJCT K0WNP	147.360+ HARTSEL W0CAN	447.550- COLOSPPR WA61PI	449.050- DENVER W0G6
53.090- DENVER W0TX	146.820- WDLNDPK W0G	147.375+ DENVER W0EE	447.600- BOULDER W0HKZ	449.075- EMERG & SPEVNT
145.115- PORTCOL W0DZA	146.820- WINTRPK W04JQQ	147.390+ COLOSPPR W00YIB	447.725- HONUHNT K00CY	449.100- EMERG & SPEVNT
145.115- PUEBLO W0DQ	146.835- EMERG & SPEVNT	147.690- DENVER K0JUP	447.750- CANYITY W00EKR	449.125- DENVER W0DLVS
145.130- COLOSPPR W00A	146.850- GRDJCT WA0GAG	223.920- HONUHNT W6LVV	447.775- DENVER W00EHE	449.150- COLOSPPR WA6TTY
145.145- DENVER WA1JHK	146.850- WINDSOR W0UPS	223.940- GRDJCT W00X	447.800- BOULDER W0DK	449.175- DENVER W0ELY
145.160- COLOSPPR W0PVP	146.865- EMERG & SPEVNT	223.960- CANYITY W00EKR	447.825- COLOSPPR W0CAN	449.200- GRDJCT W00X
145.175- STERLNG W0LBA	146.880- DENVER K0CGP	223.980- DENVER K00JM	447.850- LOVELND W09BEC	449.225- DENVER W0GV
145.190- CNTRL'D ACCESS	146.880- GLWVDSF K0CL	224.000- DENVER W00LGC	447.875- DEERTRL WA0JZ	449.250- DENVER K0CGP
145.205- CNTRL'D ACCESS	146.880- PUEBLO W0DQ	224.020- BOULDER W0TA	447.900- DENVER W00TPT	449.275- CNTRL'D ACCESS
145.220- DENVER W00EHE	146.895- GENOA WA0DGG	224.040- CNTRL'D ACCESS	447.925- DENVER W00UAV	449.300- COLOSPPR K00NN
145.250- DENVER K00SJ	146.910- COLOSPPR K00RW	224.060- COLOSPPR W0YNE	447.950- DENVER W0JG	449.300- GRDJCT WA4HND
145.265- COLOSPPR WA0ZTI	146.910- MONTROS W0G	224.100- COLOSPPR WA0KXO	447.950- PUEBLO W0DQ	449.325- GREELEY W00GAI
145.280- DENVER W0CPM	146.910- STERLNG W00HDR	224.100- GOLDEN WA0UCQ	448.000- COLOSPPR W0CAN	449.350- DENVER W0TX
145.310- COLOSPPR W0LKD	146.940- DENVER W00N	224.140- LOVELND K00GD	448.025- LOVELND W0R	449.375- BOULDER W06OAD
145.310- DENVER K00RW	146.940- GRDJCT W0RRZ	224.180- DENVER K00OA	448.050- CNTRL'D ACCESS	449.400- BOULDER K0DK
145.355- DENVER W00A	146.955- HOLYOKE KA0WIC	224.260- GRDJCT WA4HND	448.075- DENVER K0AUZ	449.425- CNTRL'D ACCESS
145.370- EMPIRE KA0TWE	146.970- COLOSPPR KA0JBA	224.260- PUEBLO W0DQ	448.100- COLOSPPR K00TI	449.450- DENVER W0LGF
145.385- DENVER WA0Y0Q	146.970- CRAIG K0TQA	224.280- CNTRL'D ACCESS	448.125- DENVER W0PPY	449.475- GREELEY W0NY
145.400- AKRON W00A	146.985- DENVER W0GV	224.320- WALSDBG W00DK	448.150- STERLNG W0LBA	449.500- COLBRAN K00SW
145.430- DENVER W05Y0E	146.985- RIFLE K00RW	224.340- DENVER K0QJ	448.175- BOULDER W00WV	449.500- DENVER W0PZG
145.445- LEADVIL K00PT	147.000+ GREELEY KA0TTH	224.400- FTLOUPT KA0WNO	448.200- GRDJCT W0RRZ	449.525- DENVER W0CPM
145.460- BOULDER W0GII	147.000+ PUEBLO W0G	224.440- CNTRL'D ACCESS	448.250- COLOSPPR W0G	449.550- BOULDER W0TA
145.460- CRPLCRK W0WDF	147.030+ BOULDER W02CBU	224.460- BRUSH W00AUN	448.275- LOVELND W0DZA	449.550- PUEBLO W0DQ
145.475- DENVER W0CPM	147.030+ COLOSPPR WA0KXO	224.500- CNTRL'D ACCESS	448.300- COLOSPPR K00NN	449.575- LOVELND W0DZ
145.490- DENVER W0TX	147.045+ DENVER K0HL	224.540- CNTRL'D ACCESS	448.325- CNTRL'D ACCESS	449.600- DENVER WA0KBT
146.610- BOULDER W0PN	147.060+ DENVER W00LGC	224.600- BOULDER W0RN	448.375- DENVER K0QJ	449.625- COLOSPPR W0CAN
146.610- LANAR WA0Y0G	147.060+ GENOA W0DGN	224.640- DENVER WA0KBT	448.375- GLWVDSF K0QJ	449.650- STERLNG W0LEU
146.610- PAGOSA W0JSP	147.075+ CHYWELS KA0SJP	224.660- CNTRL'D ACCESS	448.400- DENVER WA0Y0J	449.675- DENVER W0DLGC
146.610- VAIL W0KBA	147.075+ KRNLNG K0QJ	224.700- DENVER W0API	448.425- PARKER KA0VXN	449.700- DENVER WA0IDQ
146.625- LIVROR W0IPY	147.090+ CANYITY W00EKR	224.720- PUEBLO K00PA	448.450- COLOSPPR KA0JBA	449.700- MONTROS W0TUBC
146.640- DENVER WA0KBT	147.105+ COLOSPPR W0RG	224.740- DENVER W01JR	448.500- COLOSPPR W0LKD	449.725- GREELEY K0QJ
146.640- NORWOOD W00E	147.120+ DENVER K00DE	224.760- LAFTYTT H00UN	448.500- DENVER K00BO	449.750- DENVER W00EHE
146.640- SPRGPLD W0PAZ	147.120+ GUNISON WA0Y0J	224.780- DENVER W0CPM	448.525- LONGHNT W00PA	449.775- DENVER WA0Y0J
146.655- PUEBLO K0ST	147.135+ COLOSPPR K00NN	224.820- COLOSPPR W0NR	448.550- DENVER K0JUP	449.800- COLOSPPR W0VI
146.670- ASPEN K0CL	147.150+ DENVER W000HQ	224.860- BOULDER W0DK	448.550- WALSDBG W00DK	449.825- DENVER W00PRQ
146.670- DENVER K00SJ	147.150+ LANAR W00NB	224.880- DENVER K00JM	448.575- DENVER KA0TTV	449.850- DURANGO W0G10
146.670- DURANGO K0L	147.150+ MONTROS W0G	224.920- CNTRL'D ACCESS	448.600- COLOSPPR W0HOG	449.850- PORTCOL W0QBY
146.685- ESTSPRK W0PGT	147.165+ CNTRL'D ACCESS	224.940- GREELEY K00UL	448.625- COLOSPPR W0JEE	449.850- PUEBLO WA0VTO
146.685- ELICOTT K00JY	147.180+ COLOSPPR K00RP	224.960- COLOSPPR W00P	448.625- DENVER W06DYO	449.875- DENVER W0PVG
146.700- ASPEN K0CL	147.195+ LOVELND W00NV	224.980- DENVER W0PVP	448.650- DENVER K00JG	449.900- AVON W0KBA
146.700- BOULDER W0DK	147.210+ CANYITY W00EKR	421.250+ COLOSPPR WA0TVV	448.650- VAIL W00ITG	449.900- COLOSPPR WA0KXO
146.700- DILLON W00QNR	147.210+ DENVER W00E	447.000- DENVER W0PVP	448.650- WDLNDPK W0G	449.900- DENVER WA0NVU
146.700- DURANGO W0G10	147.210+ MONTROS K0GJ	447.050- CNTRL'D ACCESS	448.675- DENVER KA0HTY	449.925- BOULDER K00RG
146.700- LAJUNTA W0KEV	147.210+ STERLNG K00ZQ	447.100- GLWVDSF K0G	448.700- DENVER WA0IDQ	449.925- DURANGO W0G10
146.715- DENVER W00JXN	147.225+ DENVER W0PVP	447.100- HASWELL W000BJ	448.725- COLOSPPR KA0TTH	449.950- DENVER W09SL
146.730- BOULDER K0NA	147.240+ FTTHORGH H000N	447.150- DENVER WA1JHK	448.750- DENVER W0ELY	449.950- RANGELY W0ITS
146.730- BEEKER W0000H	147.255+ DENVER W0IYY	447.175- PUEBLO W0DQ	448.775- DENVER KA00JB	449.975- DENVER W00EHE
146.730- WALSDBG W00DK	147.270+ COLOSPPR K00ZP	447.200- DENVER W0GII	448.800- COLOSPPR W0VI	1253.25- DENVER W0IYN
146.745- BUNVSTA W0LSD	147.270+ LONGHNT W00Z	447.200- GRDJCT W00X	448.800- LONGHNT W00PEX	1287.90- DENVER K00CA
146.745- HEDRLND A10Z	147.285+ KRNLNG W00BJ	447.250- COLOSPPR W00UAB	448.825- CNTRL'D ACCESS	
146.760- BOULDER W0TA	147.285+ SALIDA K00RW	447.300- CNTRL'D ACCESS	448.850- DENVER W000HQ	
146.775- CNTRL'D ACCESS	147.300+ ALANOSA W00WDF	447.325- DENVER W000E	448.875- DENVER W00O	
146.790- CEDREDC W00SJ	147.300+ ASPEN KA000E	447.350- COLOSPPR K00RP	448.900- BOULDER W0DA	

Controlled Access pairs must use CTCSS or DTMF to access/activate repeater, these pairs are unprotected within Colorado. Emergency and Special Event pairs may be portable and are only to be used for duration of emergency or special event. Do not assume unlisted pairs as unassigned. Please report any corrections, deletions or abandonments to: Whit Brown, W00CCX. 14413 W. Ellsworth Pl., Golden, CO 80401. Provided as a service of, and copyrighted by, CCARC, NACR, 1992

145.400- AKRON WNOA	147.830+ COLOSPR WA0XZO	147.060+ DENVER WB0LGC	449.700- DENVER WA0IDQ	147.150+ LANAR WB0HBJ
147.300+ ALAMOSA WB0WDF	147.105+ COLOSPR N0RG	147.120+ DENVER XD0DE	449.750- DENVER W00RHE	145.445- LEADVIL KD0WT
146.670- ASPEN K0CL	147.135+ COLOSPR K00NH	147.150+ DENVER W00HNQ	449.775- DENVER WA0YQJ	146.625- LIVEMOR W01PT
146.700- ASPEN K0CL	147.180+ COLOSPR K01RP	147.210+ DENVER W008J	449.825- DENVER WA0FRQ	147.270+ LONGMNT W00Z
147.300+ ASPEN KA0DOE	147.270+ COLOSPR K0UZZ	147.225+ DENVER W00FVY	449.875- DENVER W0FVG	448.525- LONGMNT W0EPA
449.900- AVON W0KEA	147.345+ COLOSPR W0CAN	147.255+ DENVER W011Y	449.900- DENVER WA0NVU	448.800- LONGMNT W00PEX
145.460- BOULDER W0GII	147.390+ COLOSPR W00TIB	147.300+ DENVER K0LP	449.950- DENVER W9SL	147.195+ LOVELND N00NV
146.610- BOULDER W0PH	224.060- COLOSPR W0YNE	147.330+ DENVER W0TX	449.975- DENVER W00RHE	224.140- LOVELND KD0GD
146.700- BOULDER W0DK	224.100- COLOSPR WA0XZO	147.375+ DENVER W0HE	1253.25- DENVER W01VN	447.850- LOVELND W09RBC
146.730- BOULDER K2NA	224.820- COLOSPR W0NR	147.690- DENVER K0JUP	1287.90- DENVER KP0OA	448.025- LOVELND W00R
146.760- BOULDER W0IA	224.960- COLOSPR N00P	223.980- DENVER K00JM	146.700- DILLON W00QMR	448.275- LOVELND W0DZA
147.030+ BOULDER W02CBU	421.250+ COLOSPR WA0YVY	224.000- DENVER WB0LGC	146.790- DILLON WNOA	449.575- LOVELND W0DZ
224.020- BOULDER W0IA	447.250- COLOSPR N3EUA8	224.180- DENVER KP0OA	146.670- DURANGO K0L	146.730- HEBKER W00NOB
224.600- BOULDER W0RN	447.350- COLOSPR K01RP	224.340- DENVER K00J	146.700- DURANGO W0G10	146.910- MONTROS W00Q
224.860- BOULDER W0DK	447.550- COLOSPR WA61PI	224.640- DENVER WA0KBT	449.850- DURANGO W0G10	147.150+ MONTROS W00Q
447.450- BOULDER W0DA	447.825- COLOSPR W0CAN	224.700- DENVER W0AFI	449.925- DURANGO W0G10	147.210+ MONTROS K0GJ
447.600- BOULDER W0NKZ	448.000- COLOSPR W0CAN	224.740- DENVER W01JR	146.685- ELICOTT KP0JY	449.700- MONTROS W07UBC
447.800- BOULDER W0DK	448.100- COLOSPR K00TI	224.780- DENVER W0CPH	146.835- EMERG & SPEVNY	223.920- MONUMNT W6LVV
448.175- BOULDER W00WVY	448.250- COLOSPR N0RG	224.880- DENVER K00JM	146.865- EMERG & SPEVNY	447.725- MONUMNT K00CY
448.900- BOULDER W0DA	448.300- COLOSPR K00NH	224.980- DENVER W00FVY	449.075- EMERG & SPEVNY	146.745- WSDRLND A78Z
449.375- BOULDER W0G0AD	448.450- COLOSPR KA0JEA	447.000- DENVER W00FVY	449.100- EMERG & SPEVNY	146.640- NORWOOD W00E
449.400- BOULDER K0DK	448.500- COLOSPR W0LKD	447.150- DENVER W01JRK	145.370- EMPIRE KA0IVE	146.610- PAGOSA W0JSP
449.550- BOULDER W0IA	448.600- COLOSPR W0KOG	447.200- DENVER W0G11	146.685- ESTSPRK N0PGT	448.425- PARKER KA0VKM
449.925- BOULDER KD0HG	448.625- COLOSPR W6JEE	447.325- DENVER W0POR	145.115- PORTCOL W0DZA	53.830- PUEBLO WA0VTO
224.460- BRUSH W00AUN	448.725- COLOSPR KA0TTE	447.500- DENVER K0ZCO	147.360+ PORTCOL W00RY	145.115- PUEBLO W00Q
146.745- BUNVSTA W0LSD	448.800- COLOSPR W0VI	447.775- DENVER W00RHE	447.375- PORTCOL W0DRA	146.655- PUEBLO K0ST
147.090+ CANCITY W00RR	449.025- COLOSPR N0RG	447.900- DENVER W00TPT	449.850- PORTCOL W00RY	146.790- PUEBLO W00Q
147.210+ CANCITY W00RR	449.150- COLOSPR WA6TTY	447.925- DENVER W00UAV	224.400- PTLUPYN KA0NNO	146.880- PUEBLO W00Q
223.960- CANCITY W00RR	449.300- COLOSPR K00NH	447.950- DENVER W00G	147.240+ PTHORGH W00RN	147.000+ PUEBLO W00Z
447.750- CANCITY W00RR	449.625- COLOSPR W0CAM	448.075- DENVER K0AUZ	146.895- GEROA WA0DGJ	224.260- PUEBLO W00Q
146.790- CEDREDD W0SSJ	449.800- COLOSPR W0VI	448.125- DENVER W0PYT	147.060+ GEROA W0DGM	224.720- PUEBLO K00PA
147.075+ CHYWELS KA0SJP	449.900- COLOSPR WA0XZO	448.375- DENVER K00J	146.800- GLWVDSK K0CL	447.175- PUEBLO W00Q
145.190- CNTRL'D ACCESS	146.970- CRAIG K01QA	448.400- DENVER WA0YQJ	447.100- GLWVDSK K10G	447.450- PUEBLO KR0R
145.205- CNTRL'D ACCESS	145.460- CRPLCRK WB0WDF	448.500- DENVER K00BO	448.375- GLWVDSK K00J	447.950- PUEBLO W00Q
146.775- CNTRL'D ACCESS	447.400- CRPLCRK WB0WDF	448.550- DENVER K0JUP	224.100- GOLDEN WA0UCQ	449.550- PUEBLO W00Q
147.165+ CNTRL'D ACCESS	447.875- DEERTL WA0NJZ	448.575- DENVER KA0TTV	146.790- GRDJCT W00BJ	449.850- PUEBLO WA0VTO
147.315+ CNTRL'D ACCESS	29.620- DENVER W0TX	448.625- DENVER W06DYO	146.820- GRDJCT K00NF	449.950- RANGELY W01TS
224.040- CNTRL'D ACCESS	29.640- DENVER W00PPV	448.650- DENVER K00JG	146.850- GRDJCT WA0GAG	146.985- RIPLE KD0RW
224.280- CNTRL'D ACCESS	53.050- DENVER W00FVY	448.675- DENVER KA0BTY	146.940- GRDJCT W0RRZ	147.285+ SALIDA KD0RW
224.440- CNTRL'D ACCESS	53.070- DENVER WA0YQJ	448.700- DENVER WA0IDQ	223.940- GRDJCT W00X	146.640- SPRGFLD W0PAZ
224.500- CNTRL'D ACCESS	53.090- DENVER W0TX	448.750- DENVER W00BYL	224.260- GRDJCT WA4HND	145.175- STERLNG W0LHA
224.540- CNTRL'D ACCESS	145.145- DENVER W01JRK	448.775- DENVER KA0RJB	447.200- GRDJCT W00X	146.910- STERLNG W00DR
224.660- CNTRL'D ACCESS	145.220- DENVER W00RHE	448.850- DENVER W00HNQ	448.200- GRDJCT W0RRZ	448.150- STERLNG W0LHA
224.920- CNTRL'D ACCESS	145.250- DENVER K00SJ	448.875- DENVER W00O	449.200- GRDJCT W00X	147.210+ STNBOAT K00ZQ
447.050- CNTRL'D ACCESS	145.280- DENVER W0CPH	448.925- DENVER KP0OA	449.300- GRDJCT WA4HND	449.650- STNBOAT W0LEU
447.300- CNTRL'D ACCESS	145.310- DENVER KD0RW	448.950- DENVER WA0GIL	147.000+ GREELEY KA0TTE	146.610- VAIL W0KEA
448.050- CNTRL'D ACCESS	145.355- DENVER WNOA	448.975- DENVER WA0UCQ	224.940- GREELEY K00UL	448.650- VAIL W00TQG
448.325- CNTRL'D ACCESS	145.385- DENVER WA0UCQ	449.000- DENVER WB0LGC	449.325- GREELEY W00GAI	146.730- WALSNBG W00DK
448.825- CNTRL'D ACCESS	145.430- DENVER W05YOB	449.050- DENVER W06S	449.475- GREELEY W00TY	224.320- WALSNBG W00DK
449.275- CNTRL'D ACCESS	145.475- DENVER W0CPH	449.125- DENVER W00LVS	449.725- GREELEY K00J	448.550- WALSNBG W00DK
449.425- CNTRL'D ACCESS	145.490- DENVER W0TX	449.175- DENVER W00BYL	147.120+ GUNISON WA0TOJ	146.820- WDLNDPK N00G
449.500- COLBRAN K00SW	146.640- DENVER WA0KBT	449.225- DENVER W00V	147.360+ HARTSEL W0CAN	448.650- WDLNDPK N00G
29.680- COLOSPR K00E	146.670- DENVER K00SJ	449.250- DENVER K00CP	447.100- HASWELL W00HBJ	146.850- WINDSOR W00PS
145.130- COLOSPR WNOA	146.715- DENVER W0JXN	449.350- DENVER W0TX	146.955- HOLYOKE KA0WKG	146.820- WINTRPK W04JQQ
145.160- COLOSPR W00FVY	146.805- DENVER K00J	449.450- DENVER W0LGP	147.075+ KRNLNG K00J	146.790- WRAY K0LND
145.265- COLOSPR WA0ZTI	146.880- DENVER K00CP	449.500- DENVER W0PZG	147.285+ KRNLNG W00BJ	
145.310- COLOSPR W0LKD	146.940- DENVER W00N	449.525- DENVER W0CPH	224.760- LAPTTE W00UN	
146.910- COLOSPR KD0RW	146.985- DENVER W00V	449.600- DENVER WA0KBT	146.700- LAJUNTA W00RV	
146.970- COLOSPR KA0JEA	147.045+ DENVER K00L	449.675- DENVER WB0LGC	146.610- LANAR WA0VQ	

Frequencies shown are repeater transmit frequencies, +/- indicates receiver offsets as follows: 29.52-29.68 -1 mHz, 50.78-54 +/- 1 mHz, 144-148 +/- .6 mHz, 223-225 -1.6 mHz, 447-450 -5.0 mHz, 1253.25 +24 mHz, 1287.90 -12 mHz

Colorado Council Of Amateur Radio Clubs, Inc.

CLUB MEMBERSHIP AND RENEWAL APPLICATION

Please print or type clearly to assure legibility and/or copy quality.

1. Club Name: _____

2. ARRL Affiliated: Yes _____ No _____

3. Colorado Nonprofit Corporation: Yes _____ No _____

4. Assessment: In accordance with the amendment to the CCARC bylaws on November 16, 1985 " a contribution of 20 cents per Club member for a minimum of \$5.00 per club and maximum of \$25.00 per club".

Total number of Club Members	
Multiply by .20 per member	.20
Total Amount Enclosed (Min \$5, Max \$25)	\$

5. Complete the information on the back of this application form.

6. As an Officer of the above named club, I hereby submit the above information as true and correct and submit the specified assessment for NEW or RENEWAL membership in the Colorado Council of Amateur Radio Clubs Incorporated. Dated this _____ day of _____ 19____.

Signature

Call

Title

Remit to: Mike Wisch WB0LGC, Treasurer
PO BOX 37101
Denver, CO 80237

Make check payable to:
CCARC

(CCARC use only)

Amt Received: _____ Check No. _____

Date: _____ New/Renewal: _____

COLORADO COUNCIL OF AMATEUR RADIO CLUBS

Officer Information:

Name	Call	Title	Address	City	Zip	Phone

Send all correspondence and meeting minutes to:

Name	Call	Title	Address	City	Zip	Phone

Repeater trustee's who should be contacted on repeater issues:

Name	Call	Frequency	Address	City	Zip	Phone