

<u>Frequency</u>	<u>Offset</u>	<u>Callsign</u>
147.225 MHz*	+0.600	WØCRA/R
147.105 MHz*	+0.600	WAØDE/R
145.145 MHz*	-0.600	WØCRA/R
145.160 MHz*	-0.600	WØCRA/R
145.460 MHz*	-0.600	WØCRA/R
224.980 MHz*	-1.600	WØCRA/R
447.150 MHz*	-5.000	WØCRA/R
447.575 MHz*	-5.000	WØCRA/R
447.975 MHz*	-5.000	WØCRA/R
53.050 MHz*	-1.000	WØCRA/R
1287.900 MHz	-12.000	WA1JHK/R

\* Requires 107.2 Hz CTCSS.

# COLORADO REPEATER ASSOCIATION

Post Office Box 1013  
Parker, Colorado 80134-1013

Phone: 303-840-4CRA (303-840-4272)  
E-mail: [cra@w0cra.org](mailto:cra@w0cra.org)  
WWW: <http://www.w0cra.org>

*CRA Net* every Sunday at 9:00 AM local time on 147.225, 224.980, 145.460, and 145.160. (Backup on 145.145)

The 147.225, 224.980, 145.460, and 145.160 repeaters are continuously linked. (See the web site for current system status.)

**Thank you** for your interest in the *Colorado Repeater Association!*

The *CRA* began operating its first repeater on 147.225 MHz in March of 1981 from Conifer Mountain for its handful of members. Since then, the *CRA* has grown to more than 400 members and operates ten repeaters from five sites in the Colorado Front Range.

**Conifer Mountain**, located 35 miles west-southwest of Denver at an elevation of 9,985 feet, is the site of the 147.225, 447.150, 224.980, 1287.900, 447.200, and 53.030 MHz repeaters. 147.225 and 224.980 comprise the core of our 147.225 System, a system of linked repeaters that extends to the north and south along the Front Range.

**Squaw Mountain**, located 20 miles west of Denver at 11,430 feet, is the site of the 145.145 MHz and 447.575 MHz voice repeaters.

**Cheyenne Mountain**, located on the southwest side of Colorado Springs, is the site of our 145.160 MHz repeater. It is continuously linked to the 147.225 MHz repeater to extend our 147.225 System coverage south along I-25 and to other areas of southeast and south central Colorado. Switch to this repeater south of mile marker 170 on I-25.

**Eldorado Mountain**, located on the southwest side of Boulder at an elevation of 8,330 feet, is the site of our 145.460 and 447.975 repeaters. The 145.460 repeater is continuously linked to the 147.225 System repeaters to extend the coverage into Boulder and other areas of northeast Colorado.

**Simla**, located east of Colorado Springs along Route 24 to Limon, is the site of our 147.105 MHz repeater. This repeater is continuously linked to the 447.150 MHz repeater to extend the coverage to the eastern portions of Elbert County.

Our voice repeaters (see list, above) require a CTCSS tone of 107.2 Hz for access and have the tone on their outputs. Program your radio for CTCSS encode and decode to access the machines and minimize interference to your receiver.

The *CRA* repeaters have always been intended for ragchew use, and we strive to continue this philosophy. This policy encourages some very busy repeaters, however we feel this is the best method to determine coverage and gauge the effectiveness of our systems. Coverage at the

present time for our repeaters ranges from Cheyenne, Wyoming, to the north, beyond Pueblo to the south, Limon to the east, and South Park and the Eisenhower Tunnel to the west.

The club operates nodes for Echolink and IRLP, and provides a statewide autopatch. Echolink and IRLP provide access to a worldwide network of linked repeaters and amateur operators. The autopatch is accessed on the 147.225 MHz repeater and works on the 145.160, 145.460, and 224.980 repeaters as well.

As a member, you will receive instructions and guidelines covering autopatch, Echolink, and IRLP use. The *CRA* Echolink and IRLP nodes and autopatch are for use by *CRA* members only—one of the benefits of membership; however, all members should be willing to assist non-members in the event they need to make a phone call or access a node.

Instead of monthly meetings, the *CRA* operates weekly on-the-air meetings each Sunday morning on the 147.225 System. On Sunday through Thursday evenings, the *CRA* repeaters host special-interest nets covering APRS operation, QRP operation, scanner operation, AMSAT satellite operation, EOSS weather balloon experimentation, ARES public service, and numerous other technical and public service activities. During emergency or simulated emergency operations, listen to or help out ARES as they provide support. All hams are welcome to join in.

A weekly swap net is held after the Sunday morning net and a list of amateur equipment for sale, wanted, or free is updated. The swap list is available by email subscription (send requests to be added to the distribution list to [craswaplist-subscribe@yahoogroups.com](mailto:craswaplist-subscribe@yahoogroups.com)) and on the web at <http://www.w0cra.org>.

A very active all-volunteer Tech Team is constantly working on improvements to the many *CRA* systems as well as troubleshooting the inevitable problems that occur in the busy RF environment of the Colorado Front Range.

The *CRA* offers two membership plans: a **Family Membership costs \$25 per year** and covers all members of your immediate household; a **Student Membership costs \$10 per year**, offering a low-cost alternative for younger hams through high school age. The *CRA* has no initiation fees.

Upon receipt of your dues, we will send you an up-to-date membership roster, instructions for operating the autopatch and nodes, and a Member Information packet detailing club activities. Your canceled check is your receipt.

Please join our weekly on-the-air meetings held each Sunday morning at 9:00 A.M. local time on our 147.225, 224.980, and 145.160 repeaters (backup on the 145.145 repeater). We discuss club activities, matters of interest to amateurs, the weekly *CRA Swap List*, announcements of VE test sessions, upcoming swapfests, and public service events. The *Newsline Report* is featured each Sunday following check-ins, providing timely news of Amateur Radio events from around the world. Members and non-members are welcome and urged to participate in our net!

Our repeaters are open to all licensed amateurs and our philosophy remains:

THE *CRA* WAS FORMED TO PROMOTE AMATEUR RADIO.  
IF YOU NEED HELP, PLEASE ASK ANY MEMBER.  
IF YOU ARE ASKED, PLEASE HELP.

**WE THANK YOU FOR YOUR SUPPORT !!!!!**

73 from your *CRA* Board of Directors.

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**MEMBERSHIP APPLICATION  
COLORADO REPEATER ASSOCIATION**

P.O. Box 1013  
Parker, Colorado 80134-1013

<http://www.w0cra.org>

[cra@w0cra.org](mailto:cra@w0cra.org)

(303) 840-4CRA

Date of application: \_\_\_\_\_

New member

Renewal

Callsign:	Prior call(s):	License class:
Name:		
Street address:		
City:	State:	Zip:
Phone:	<input type="checkbox"/> Do not publish phone number in roster	
Email:	<input type="checkbox"/> ARRL member	

**CLASS OF MEMBERSHIP**

<input type="checkbox"/> Single/family: \$25 per year	<input type="checkbox"/> Student under 18: \$10 per year
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**FAMILY MEMBERSHIP INFORMATION**

Member #2	Name:	Callsign:
Member #3	Name:	Callsign:
Member #4	Name:	Callsign:

**STUDENT MEMBERSHIP INFORMATION**

Birthdate:	School:
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**INTERESTS**

<input type="checkbox"/> VHF	<input type="checkbox"/> Packet/Digital/APRS	<input type="checkbox"/> Work Crew
<input type="checkbox"/> UHF	<input type="checkbox"/> Satellite	<input type="checkbox"/> Technical Committee
<input type="checkbox"/> HF	<input type="checkbox"/> IRLP	<input type="checkbox"/> Other

Comments:
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