

## Colorado Council of Amateur Radio Clubs

Fall 2016 Meeting

October 22, 2016

Estes Park, CO

Meeting called to order by Chairman Doug Sharp (K2AD) at 1302. Doug welcomes the group and announced there were agendas available.

Introductions (attendee list – attached below)

- Officers introduced followed by folks attending the meeting
- Welcome to Estes Park/Estes Park Medical Center from hosting group.

Secretary's Report & Approval of Minutes from Spring 2016

- Spring 2016 minutes reviewed (copy posted to CCARC website)
- Motion to accept – motion passed

Treasurer's Report:

- Treasurer's report given (attached below)

Welcome to our new Vice Chairman Doug Nielsen (N7LEM)

- Doug (K2AD) welcomed Doug (N7LEM) to the board.
- Doug (N7LEM) expressed he is excited to work with the group.

Frequency Coordinator's Report

- Update on activities
  - 31 new coordinations
  - 22 waiting activity sheets
  - 30 coordinated but off the air.
- Remote base operation with coordinated systems
  - A repeater was cross banded to a simplex frequency causing numerous complaints. This has happened several times. On one event, members contributed a large amount of time to find the issue. There are legal issues with retransmitting the trustee's call sign on another system without their permission. The Council discourages this practice.
- Cross band operations
  - A repeater trustee is using two cross band mobiles transmitters with uncoordinated frequencies to link them together. This creates interference with other coordinated systems.
  - Trustee has been contacted without resolving the issue
  - CCARC president recommends that the council de-coordinate the repeater (146.790 WT0NY) due to not following council's procedures.
  - Motion to de-coordinate the frequency – motion passed.
- Overdue repeater update
  - List posted on the CCARC website.
  - Discussion followed on those that have not responded to the council's attempts to verify them. Council conduct an annual update shortly, those repeaters will de-coordinated if no response. Motion to allocate \$400 to cover cost of annual reporting.

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- Big Sandy Amateur Radio Club mentioned some changes and was instructed to resend the information to the Frequency Coordinator and Council President.
- Discussion followed on allocated “new technology” funds
  - Motion made to return the funds (\$453.00) to the general fund.- motion passed.

### Old Business:

- Discuss 900 MHz FCP changes approved at Spring 2016 meeting
  - Recommendation from Doug (K2AD) attached (attached below). After discussion, motion to accept – motion passed.
- Hamcon Colorado 2016 Report
  - John (W0VG) made a report on the conference. While the conference was successful it lost money due to not achieving the targeted attendance level (missed by 64 attendees). The loss resulted in a 33% decrease in returned seed money. The co-chairs would like to receive recommendations for future conferences.
  - Additional discussion to be held under roundtable.

### New Business: [15 mins]

- Appoint Nominating Committee
  - Spring 2017 Election for Vice Chairman and Treasurer
  - Doug (K2AD) asked if there was anyone who would chair the nominating committee. No one volunteered, Doug (K2AD) will chair. Jeff (K0JEF) and Gerry (W0GV) will serve on the committee.
- New repeater maps need to be printed.
  - Council members in attendance confirmed their desire to continue to offer a state repeater map.
  - \$318 is available in budget to cover printing after purchasing the paper.
  - Data will be downloaded from the coordination database(s).
- Proposed changes to the Frequency Coordination Policy document regarding shared input channels on the 33cm band
  - Covered under old business.
- Colorado ARRL Section Manager’s Report
  - Jack (WM0G) gave his report (attached below).
  - A question was proposed about why is there a difference in the data of printed ARRL repeater directory and the recently ARRL supported RFinder? Bottom line is the language in the ARRL agreements, as explained by Doug (K2AD), on the ARRL sharing the information.

### Open Roundtable:

- Feedback on using online resources (audio streaming) for meetings. It will be used for officers who cannot make the meeting and/or western slope. Bylaws would need to be reviewed for changes to support this method.

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- Hamfest attendance and sponsorship. What are the challenges to sponsor and how do we attract attendees?
  - Several discussion points presented by attendees.

Several groups (Pueblo, Big Sandy (Limon) and NCARC (Loveland)) volunteered to host the spring 2017 meeting. After discussion, the Big Sandy Amateur Radio Club will host the meeting in Limon. Date is April 22, 2017 with April 29<sup>th</sup> as an alternate date

Meeting adjourned by Chairman Doug Sharp (K2AD) at 1523hrs with agreement of members attending.

NAME	CALL	CLUB
WAYNE HSWINE <sup>d</sup>	N4POH	GMCC
DOUG SHARP <sup>c</sup>	K2AD	
JOHN MAXWELL <sup>v</sup>	W0VG	
de mit Hullebrink	W0UAW	ACARES
JEFF Ryan <sup>d</sup>	K0RM	Rumham
DAVID L GIVAN <sup>d</sup>	K0IR0	GGARC
LARRY OLSON <sup>d</sup>	W9JNE	EVARC
Sharon Ayun <sup>d</sup>	KCOPBR	BSARC
Ken Niles <sup>(A)</sup>	N0EMU	BSARC Alt
DANIEL WHITE <sup>(V)</sup>	WW0JD	EVARC
Tracy Helmhold <sup>(V)</sup>	KF0HC	
Gerry Villhauer <sup>d</sup>	W0GV	DRC
Jeff Ford <sup>d</sup>	K0JIF	NCARC
STARR ALDRICH <sup>(AV)</sup>	N0AES	LARC - <sup>jeff5039@gmail.com</sup> <sub>EMAILS</sub>
RON SCHWARTZ <sup>(d)</sup>	K2RAS	LARC - <sup>SEALDRICH@COMCAST.NET</sup> <sub>EMAILS</sub>
DAVE BOWERS <sup>v</sup>	W0DAB	EVARC
David White <sup>v</sup>	K60G	"
Doug Nielson <sup>d</sup>	N7LEM	PPRAA
Jeff Carrier <sup>v</sup>	K0JSC	
DAVID BATEY <sup>v</sup>	K00ZJB	EVARC
DAVID JOHNSON <sup>d</sup>	W8XAL	<del>NEARC</del> CTL
JACK Crucia	W00G	0 Sect myn
George Parker <sup>d</sup>	W0BC0I	BARC
Mike Bielmaier	H0ST	ESTES PARK MEDICAL CENTER
Lance Wilson <sup>v</sup>	N4ZVT	DRC

**CCARC Treasurer's Report –October 22, 2016**

Beginning balance from Spring Meeting Report Dated May 13, 2016 **\$7,390.98**

**INCOME**

<b>Date</b>	<b>From</b>	<b>For</b>	<b>Amount</b>
05/25/2016	Castle Rock Repeater Group	Dues	\$7.00
08/01/2016	Ham Con Colorado	Return	\$311.25
08/20/2016	Walter Zorn (Repeater Owner)	Dues	\$20.00
<b>Total Income</b>			<b>\$338.25</b>

**EXPENSES**

<b>Date</b>	<b>To</b>	<b>For</b>	<b>Amount</b>
09/30/2016	Rocky Mountain Ham Radio	Eileen's Flowers	\$50.00
<b>Total Expenses</b>			<b>\$50.00</b>

Ending Balance<sup>1</sup> **\$7,679.23**

<sup>1</sup> Allocations: Software \$2500.00 Frequency Coordinator New Technology \$453.60 Repeater Maps \$318.27

**Available Balance **\$4,407.46****

Prepared by Wayne Heinen NØPOH Treasurer

**Proposed changes to the CCARC Frequency Coordination Policy.**  
**by K2AD submitted 10/22/2016** (Note: Changes are in blue italics font. )

**10. SHARED NON-PROTECTED REPEATERS**

**A. Shared Non-Protected (SNP) Repeaters**

The Frequency Coordinator has established several Shared Non Protected (SNP) repeater pairs, which do not require formal coordination. Individual users determine the best frequency and CTCSS tone for their usage but may request assistance from the Frequency Coordinator. SNP systems may be registered by frequency and CTCSS tone to assist in de-confliction.

Other guidelines for the use of these frequencies are:

1. All users of SNP channels shall share the use of the frequency.
2. Users receive no protection from other co-channel users.
3. All systems shall utilize CTCSS access or other approved method of limited access. No Carrier Squelch operation of any kind is permitted.
4. Operation of SNP systems shall be on a non-interference basis with existing coordinated systems.
5. Use of SNP frequencies shall be restricted to only voice and non-linked modes.
6. SNP pairs are listed in the CCARC Frequency Utilization Plan (FUP) documents as published on the CCARC web site.

**B. Emergency and Special Event (E&SE) Repeaters**

The Frequency Coordinator has established several Emergency and Special Event (E&SE) repeater pairs. Formal coordination is not available for E&SE repeaters since it is assumed that these temporary repeaters will be in portable operation.

Guidelines for the use of these frequencies are:

1. All users of E&SE channels shall share the use of the frequency.
2. Users receive no protection from other co-channel users.
3. All systems shall utilize CTCSS access or other approved method of limited access. No Carrier Squelch operation of any kind is permitted.
4. Operation of ESE systems shall be on a non-interference basis with existing coordinated systems.
5. Operation is expected to be temporary in nature, and will not exceed the duration of the emergency or special event. No permanent operation on these frequencies is permitted.
6. ESE pairs are listed in the CCARC Frequency Utilization Plan (FUP) documents as published on the CCARC web site.

**C. Shared Semi-Protected (SSP) Repeater Inputs**

*The Frequency Coordinator has established several Shared Semi-Protected (SSP) repeater input frequencies on the 33cm (902 MHz) band which can be utilized by all repeater trustees on a shared basis. A significant increase in the noise floor on the 33cm band has been noted with the increased and widespread use of unlicensed Part 15 devices. The SSP repeater inputs have been created to allow repeater trustees the option for an alternative or secondary repeater input in a portion of the 33cm band where a lower overall noise floor has been observed. The SSP repeater input channels must be shared among all repeater trustees within Colorado, and an associated and coordinated repeater output channel, consistent with the CCARC Frequency Utilization Plan (FUP), will always be assigned by the Frequency Coordinator. Unlike SNP or ESE channels, the use of a SSP input frequency requires coordination with the Frequency Coordinator of frequency usage and access control (CTCSS, DTCSS or Digital Protocol) to minimize interference between shared users.*

Guidelines for the use of these repeater inputs are:

1. *The following frequencies are authorized as coordinated SSP repeater inputs: 902.0125, 902.0250 and 902.0375 MHz.*
2. *SSP channels are 12.5 kHz spaced channels supporting narrowband analog and digital operation only.*
3. *Use of a SSP input channel requires frequency coordination to assign a de-conflicted repeater output frequency.*
4. *Since SSP channels are authorized for shared usage, a coordinated de-conflicted input channel will be issued as part of the frequency coordination*
5. *All systems operating on a SSP input channel should utilize CTCSS, DTCSS or other digital protocol (i.e. DMR, P25, D-STAR, Fusion or similar) to limit access. Carrier Squelch operation is strongly discouraged.*
6. *Operation on SSP channels shall be on a non-interference basis with any coordinated system.*
7. *SSP input frequencies are listed in the CCARC Frequency Utilization Plan (FUP) documents as published on the CCARC web site.*



# Colorado Section Manager CCARC Report Fall 2016 Meeting

## ARRL Affiliated Clubs:

- A. Number of ACTIVE ARRL Affiliated clubs in Colorado = 43
- B. ARRL members in Colorado = 3635
- C. ARRL members in Rocky Mountain Division = 7420
- D. ARRL members in USA = 165,639

## Upcoming Hamfests and Conventions:

**11/05/2016** | **TechFest** Location: Lakewood, CO **Type:** ARRL Convention **Sponsor:** 285 TechConnect Radio Club

**02/19/2017** | **The Swapfest** Location: Brighton, CO **Type:** ARRL Hamfest  
**Sponsor:** Aurora Repeater Assn., Cherry Creek Young ARC, & Rocky Mountain Ham Radio

## 2017 ARRL Rocky Mountain Division Convention

The 2017 ARRL Rocky Mountain Division Convention will be held over Memorial Day Weekend, May 26-28, 2017, in Cody, Wyoming. The Big Horn Basin Amateur Radio Club will host the convention.

## Amateur Radio Parity Act Passes in the US House of Representatives!

*“The bill is passed without objection.”* With those words, Amateur Radio history was made on September 12, when the US House of Representatives **approved** the Amateur Radio Parity Act, **H.R. 1301** on a voice vote under a suspension of the rules. The focus of the campaign to enact the legislation into law now shifts to the US Senate.

As the **amended bill** provides, “Community associations should fairly administer private land-use regulations in the interest of their communities, while nevertheless permitting the installation and maintenance of effective outdoor Amateur Radio antennas. There exist antenna designs and installations that can be consistent with the aesthetics and physical characteristics of land and structures in community associations while accommodating communications in the Amateur Radio services.”

Go to our **‘Rally Congress’** page. Using your ZIP code, e-mails will be generated much like our recent letter campaign. You’ll fill in your name and address and press Enter. The e-mails will be sent directly to your Senators without you having to search through their websites.

## ARRL Rocky Mountain Division Scholarship

The ARRL Rocky Mountain Division Scholarship was established in 2011 to support young hams within our Division pursuing higher education, and is supported through the voluntary contributions of individual hams, clubs, and hamfests/conventions across the Division. It is administered by the ARRL Foundation which awards more than 80 scholarships ranging from \$500 to \$5,000 annually. Further information including a web-

based application for this and other scholarships offered by the ARRL Foundation are available at <http://www.arrl.org/scholarship-descriptions>

Individual hams, clubs, organizations, hamfest organizers, and convention organizers across our Division are encouraged to support the Rocky Mountain Division scholarship's future and its great cause through a tax-deductible contribution, even if just a few dollars.

Contributions may be made by completing the form at <http://www.arrl.org/arrl-foundation-donation-form> and including a check payable to the ARRL Foundation with "ARRL Rocky Mountain Division Scholarship" written on the memo line, and mailed to: ARRL Foundation - 225 Main Street - Newington, CT 06111

The ARRL Foundation, Inc. awards more than 80 scholarships to young hams who are pursuing higher education, and is a not-for-profit organization operating under IRS Tax ID # 23-7325472. As a benefit, all contributions will be acknowledged with a tax receipt letter and are deductible to the full extent of the law.

Past RM Division Award Recipients:

- 2016: Skyler Fennel, KDØWHB (Denver, Colorado)**
- 2015: Austin Schaller KDØFAA (Boulder, Colorado)
- 2014: William (Liam) Kelly KDØHDF (Carbondale, Colorado)
- 2013: Brenden Fatchett WØTOL (Parker, Colorado)

### **New QSL Service Fee Structure Effective November 1, 2016**

ARRL members — including foreign members, QSL Managers, or managers for DXpeditions should enclose payment as follows:

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**\$1.15 per ounce, plus \$7.00 QSL Bureau service fee.** For example, a package containing 1.5 pounds of cards — 24 ounces, or about 225 cards — will cost \$34.60. Please see the information below for additional pricing details. The minimum charge is \$8.15 for one ounce or less. DXCC credits cannot be used towards the QSL Service fee.

### **Current Rules Holding Hams Back from Adopting State-of-the-Art Technology**

In **comments** filed on October 12 with the FCC, ARRL reiterated its case that the FCC should change the Part 97 rules both to delete the symbol rate limits in Section 97.307(f) and replace them with a maximum bandwidth for data emissions of 2.8 kHz on amateur frequencies below 29.7 MHz. In a July *Notice of Proposed Rule Making (NPRM)* in WT Docket 16-239, the FCC proposed to eliminate the current baud rate limitations for data emissions, consistent with ARRL's *Petition*, but it declined to propose a *bandwidth* limitation for data emissions in the MF and HF bands to replace the baud rate limitations.

ARRL told the FCC in its comments that the current HF symbol rate "speed limit" reflects 1980s technology and has no place in an experimental radio service in which modern protocols could be efficiently deployed in crowded RTTY/data subbands.

ARRL said that it could be "fairly debated" whether or not 2.8 kHz is the proper maximum bandwidth for data emissions. "Greater bandwidth for data emissions would permit a wider array of data emissions now and in the future," the League said in its comments. "However, even 2.8 kHz could arguably permit usurpation of the subbands to the detriment of CW and other narrow-bandwidth emissions. ARRL views the 2.8 kHz maximum bandwidth proposal for data emissions at HF to be a necessary component of the [FCC's proposal], and it fairly



balances the objectives of facilitating use of new and future data emissions and protecting against usurpation of the band by a few data stations.

ARRL said it would be impossible to reduce the permitted maximum bandwidth for data emissions at HF much below 2.8 kHz without prohibiting data modes that are now legal. “At the same time, it would not be desirable to have a few data stations using large swaths of spectrum to the detriment of other modes,” the League said.

The deadline to file reply comments in the proceeding — ie, comments on comments already filed — is November 10.

Respectfully Submitted,

A handwritten signature in black ink that reads "Jack Ciaccia, W1MKG". The signature is written in a cursive style with a large, looping initial "J".

Jack Ciaccia