



The Repeater

Next Club Meeting

Thursday November 2, 2023,
7:00 PM

Medford Police Department
Community Room
219 S. Ivy St., Medford, OR

Program: TBA.

Volume 2023, Issue 11

November 2023

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 Scott Cummings NA7OM
 Mike Bach WB6FFC (541) 830-3346
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 Club Web Page:

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President
 Vice President
 Treasurer
 Secretary
 Newsletter & Membership

Club Notes

This month the club holds elections for 2024 officers. The floor will be open for nominations; this is your chance to volunteer for one of the positions.

Fear not, during the October meeting at least one candidate for each position volunteered.

Secretary's Report

RVARC Meeting Minutes 2023-10-05

7:04pm President Don Bennett, KG7BP, called the meeting to order. There were 24 attendees

Treasurer's report: bank balance is \$4694.34

Old business: Scott, NA7OM, asked if we could consider a roast for Mike, W6FFC, our recent life member. Bruce, KG7TUO, said Field Day pictures are on the CARE club website, carehamradio.com

New business: John, AC7S, called for Mike, W6FFC, to come up and John presented him with a plaque honoring his induction as a lifetime member. Scott, NA7OM, made a motion that the club reimburse the cost of the plaque, approx \$81. Raoul, KG6DKA, seconded the motion. Voting commenced, motion passed unanimously.

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The Repeater is the official newsletter of the Rogue Valley Amateur Radio Club, Inc. It is published 10 times a year—once per month excluding July and August.

Ham Radio License Course 2023-02

Bruce Cook, KG7TUO

We're now signing up students for our next Technician/General course. The General license question pool and manual have been revised. This necessitated updating the course to reflect the new material. Additionally, we lost our most recent venue. The good news is that we've got the course materials updated and have secured a new venue.

The start date and time are still not determined but it will most likely be Saturday mornings around 9:00 am beginning in October. Those who sign up will receive additional information via the list of potential students.

If you're interested in attending the course please respond to carehamclub@gmail.com with whether or not you would like to attend this course and how many persons. It's going to start soon so we need timely responses for planning purposes. If you're not interested in this course but wish to remain on the list no reply is needed. Instructions for removal from the list are at the bottom of this message.

Also please indicate whether you will provide your own manuals or intend to buy them through the Club. If buying through the Care Ham Club please indicate whether you need BOTH manuals or only one. The current manuals are 5th edition Technician and 10th edition General. The CARE Club does receive a discount and free shipping so manuals are \$25 each through the CARE Club.

Remember, you don't have to be able to make every single class day but you will need to catch up on your own for any missed classes and the more you actually attend, the easier the tests will usually be.

We're looking forward to seeing your smiling faces.

CQP Summary

Amy Haptonstall AG7GP

October always seems to sneak up on me with it's busyness, trying to get summer projects done and harvesting the last of the garden, and the usual commitment of CQP.

This year I also wanted to get to a few high elevation summits for SOTA in N. CA before the snow came, plus I intended to go find a good spot to watch the eclipse the following week in E. OR. My schedule got a bit full, but also in limbo waiting for weather forecasts for each event. I noticed some other ops were going to be expeditioning in Siskiyou Co this year for CQP so I decided to try QRP from the summits I wanted to try to get to and combine SOTA and CQP, mainly focusing on getting some of the mountains activated. One thing is certain, and I knew ahead of time but didn't listen to the voice in my head, summit and park activations don't really work in contests. You have to do one or the other. The main issue is trying to get the exchange from SOTA or park chasers who are not participating in the contest.

We ended up going to Medicine Lake Volcano area, a beautiful area to spend some time. I started CQP on Medicine Mountain saturday morning, KX2 and a linked dipole. It was a very slow start. After Medicine, Robin and I hiked up to Lyon's Peak which has an amazing view of Glass Mountain. Here I was found by more chasers, including some SOTA. That evening I did a bit from our campground but it was very windy and cold that it was hard to even hear through the wind. The next morning we drove to Glass Mountain to see if there was a chance to drive close enough to do a hike. For those not familiar, Glass mt is just what it says, 7598' of fairly recent obsidian flow, so you are literally driving or hiking on glass and pumice. Not ideal and maybe impossible to do safely. It was not possible for our rig, maybe a motorcycle but not a large truck. Plan B, we went to Black Mountain (easy) and then to Mount Hoffman (not so easy). I

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Secretary's Report, Continued

(Continued from page 1)

Scott, NA7OM, reminded that payment of next years club dues are due, and announced that elections for club officers are to be held next month. We need more folks to stand for election. Offices are President, vice-president, treasurer, and secretary. Scott also made a motion to table new business, and move on with the program. Mike, W6FFC, seconded. Upon vote, the motion passed.

The next license exam will be held before the meeting next month, see Don Bennett, KG7BP, for more info. He would like to have exams on Saturday mornings, if a suitable venue could be found. If anyone has venue ideas, please contact Don.

7:33pm break for coffee, snacks, and visiting.

7:52pm Tom, N5EG, presented tonight's program: The KA9Q-Radio Package. ka9q-radio is a command-line, multichannel software defined radio for Linux using IP multicasting so that multiple listeners can be using it at the same time. From Phil's github page:

1. Efficient multichannel reception. A single Raspberry Pi 4 can simultaneously demodulate, in real time, every NBFM channel on a VHF/UHF band (i.e., several hundred) with plenty of real time left over. A mid-range x86 can handle the RX888 MkII at full sample rate (129.6 MHz), receiving multiple channels simultaneously on all LF/MF/HF ham bands (or anything else) plus 6 meters.

2. All I/O (both signal and control/status) uses IP multicasting. This makes it easy for more than one module, on the same computer or on a LAN, to operate on the outputs of other modules, or for individual modules to be restarted without restarting everything else.

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CQP Summary

(Continued from page 2)

finished the contest at Hoffman with the bands hopping, especially on 15m. It was so windy I left the contest a little early but wasn't disappointed.

I have tried to do QRP before in a contest but usually within the first hour I switch to 100w out of frustration. This expedition it was all I had so there was no turning back! My operation time of course was far shorter than past CQPs with a lot of hiking and driving in between but I got to see some absolutely amazing volcanic area, 4 new summits on my list, and I am guessing I set a new QRP record for Siskiyou (it wasn't much to break). Having no internet access was a big disadvantage especially for mults, as usual. For QRP I discovered you have to rely mainly on S&P even more that LP since so few can hear your CQ when rolling the dial. I logged about 165 qsos and 41 mults and had a great expedition!

de AG7GP

RVARC Email List

RVARC maintains a private closed email reflector for members and friends.

An email sent to the reflector will be sent to everyone else subscribed to the list.

You can also browse past messages and create new messages from the web interface if that is more convenient.

Several folks have been sent invitations, but they have expired unused.

If you are not on the list, send an email to our club webmaster, Tom, N5EG (address on the front page) and he will have googlegroups send you an invitation.

Secretary's Report, Continued

From the sdrutah.org webpage: Using a USB3-connected RX-888 Mk2 receiver, long-term testing at nearly 130 megasamples/second has been done with good results. Using a single 1 Gigabit Ethernet somewhere around 50 megasamples/second of 16 bit data may be acquired.

Tom has his presentation slide deck available upon request (n5eg@tapr.org).

References:

github.com/ka9q/ka9q-radio

https://files.tapr.org/tech_docs/DCCpapers/DCC2021s_pages_41_-_53.pdf (note: spaces in the filename)

www.sdrutah.org/info/using_ka9q_radio.html
www.ka9q.net
www.youtube.com/watch?v=7nhBFSGby2o

8:55pm end presentation and meeting adjourned.

This Month's Programs

1. To Be Announced

Program: .

Biography: .

2.

Program: .

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November 2023

Sun

Mon

Tue

Wed

Thu

Fri

Sat

			1 • 2M SSB Net	2 • RVARC Meeting • JC-ARES Net	3	4 • ARRL Sweepstakes CW
5 • CP ERC Net • ARRL Sweepstakes CW	6 • CARE Net	7 • 2M SSB Net	8 • CARE Meeting • 2M SSB Net	9 • Rogue Hack Lab • JC-ARES Net	10	11
12 • CP ERC Net	13 • CARE Net	14 • 2M SSB Net	15 • 2M SSB Net	16 • JC-ARES Net	17	18 • ARRL Sweepstakes Phone
19 • CP ERC Net • ARRL Sweepstakes Phone	20 • CARE Net	21 • JC-ARES Meeting • 2M SSB Net	22 • 2M SSB Net	23 • JC-ARES Net	24	25
26 • CP ERC Net	27 • CARE Net	28 • 2M SSB Net	29 • 2M SSB Net	30 • JC-ARES Net		

Events

Meetings

- **RVARC** 7:00 PM Medford Police Dep't Community Room, 219 S. Ivy St., Medford.
- **Rogue Hack Lab** Varies each month.
- **CARE** 2nd Wednesday 6:30 PM Fiesta Restaurant, 1016 N. Riverside, Medford
- **JC-ARES** 3rd Tuesday 6:30 PM, Medford PD Community room 219 S. Ivy St.

Nets

- **JC-ARES** Thursdays 7:30 PM - K7JAX Mt. Baldy Repeater 146.840 (-) [PL 123.0] open, directed, visitors welcome
- **CARE** Mondays 7:00 PM— KB7SKB Jacksonville Repeater 147.100 (-) [PL 136.5], open, directed net, visitors welcome
- **2 Meter SSB** Tuesdays 7:00 PM and Wednesdays 10:00 AM—144.200 USB
- **Central Point Emergency Radio Communications** Sundays 8:30 PM— KB7QMV Medford Repeater 145.410 (-) [PL none]. Move to simplex net on 147.585 MHz when finished. Directed net.
- **Siskiyou County ARC** Thursdays 7:00 PM—Net K6SIS Repeater 146.79 (-) [PL 100.0]

RVARC Membership

RVARC membership dues run from January 1 through December 31. Please bring cash or a check payable to RVARC to a club meeting, or mail (checks only) to:

RVARC Membership
c/o 1940 Stevens Rd.
Eagle Point OR 97524-6523

Regular Member:	\$20.00
Senior Member (62 and over):	\$15.00
Family Member:	\$20.00
Student Member:	\$10.00
Dual Member (CARC+RVARC):	\$30.00

For Sale / Wanted

I am looking for a good condition Webster Bandspanner adjustable mobile Antenna, they made a short and a long version, I would prefer the long version but will entertain a short one.

If you have one you know what it is.
Mike Bach W6FFC
Eagle Point, Oregon

2023 Amateur Radio Examinations

In the Rogue Valley, amateur radio exams are provided by the RVARC and the SOARC. New exam participants need to provide identification, while upgrading amateurs need to **provide a copy of their current license** as well as show photo identification. **Applicants also need a Federal Registration Number (FRN) and email prior to taking the test.** The exam fee for 2023 probably remains \$15.00. All license candidates must provide a picture ID. Upgrading amateurs must also provide a photocopy of their current license to send in with their application. To search for other exam locations, see:

<http://www.arrl.org/arrlvec/examsearch.phtml> or our club webpage: <http://w7dta.org>

Medford, OR

Time: Registration 5:15 PM, exam session at 5:45 PM. **Walk-ins Ok. Pre-registration suggested, use the link on our webpage:** <https://k7mfr.org/license-exams/>

Location: Medford Police Department Community Room 219 S. Ivy St., Medford, 97501

Dates 2023: Nov 2 **Dates 2024:** Jan 4 Mar 7 May 1 Sept 5 Nov 7.

Contact: Don Bennett, Email: kq7bp@arrl.net Phone: (541) 973-3625

Grants Pass, OR

Time: Fridays Registration 6:00 PM. Exam session at 6:30 PM. **Walk-Ins Ok.** Please email a reservation request to John.

Location: Fruitdale Grange. 1440 Parkdale Dr., Grants Pass OR 97527-5288

Dates 2023: Nov 17 **Dates 2024:** Feb 16 May 17 Aug 16 Nov 15

Contact: John Stubbe, K7VSU, email: jstubbe7@gmail.com Phone: (541) 218-2244

Roseburg, Bend, Redding, Brookings, Crescent City — Please see our club webpage, <http://k7mfr.org> for updates as we receive schedules for these cities.

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