



The Repeater

Next Club Meeting

Thursday February 1, 2024,
7:00 PM

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

Programs: 1. Kiwi SDR + DX Spotting. 2. 10 Gigabit Ethernet

Volume 2024, Issue 2

February 2024

Don Bennett	KG7BP	(541) 973-3625
Scott Cummings	NA7OM	
Mike Bach	WB6FFC	(541) 830-3346
John Armstrong	KF7UMK	(541) 899-1917
Tom McDermott	N5EG	(541) 734-4675
Club Web Page:		

don.bennett57@gmail.com
na7om.or@gmail.com
eaglepoint.or@juno.com
john@kf7umk.com
n5eg@tapr.org
<http://k7mfr.org>

President
 Vice President
 Treasurer
 Secretary
 Newsletter & Membership

Club Notes

2024 is a leap year, don't forget about February 29th this year.

We have two shorter programs this month—the first is on DX spotting using the Kiwi SDR. This is a network of spotting receivers that automatically post spots to various DX clusters.

The second program is on 10 Gigabit Ethernet. The cost of 10 GbE has declined rapidly in the last couple years, and is now readily available and practical for the home network. However 10 GbE has some differences compared to 1 GbE.

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.

Secretary's Report

2024-01-04 RVARC Meeting Minutes

7:00pm Meeting called to order by President Don Bennett, KG7BP. 22 attendees

Treasurer's report by Mike Bach, W6FFC: \$5077.09 bank balance, but also owe \$45 to CARE club for dual-memberships.

New business: Don: Sven's (K17QIY) son asks for someone to assist Alderwood assisted living facility in Central Point how to run coax for his radio.

John, KF7UMK, Scott, NA7OM, & Mark, KM7DEW, wondered if a swap meet could help us redistribute excess radio equipment. Scott will attempt to plan for that, perhaps a good location would be on exam days, afterwards.

Scott, NA7OM, had a rant about remote DX folks wanting to charge for QSL cards these

(Continued on page 2)

Secretary's Report, Continued

(Continued from page 1)

days. Much chagrin among members was noted.

Mike, W6FFC, noted the ARRL is asking for \$25 to get the print edition of QST after already promising to deliver print editions to subscribers. Send an email to N7JI@ARRL.ORG to protest this action. Also, some issues with unwanted league secrecy were discussed.

Scott, NA7OM, made a motion to study whether RVARC should expand to have an online presence of the meetings, similar to the Willamette club. Raoul, KG6DKA, seconded. Voting was 1 opposed, others yea, so motion passed. Much discussion ensued. Scott volunteered to investigate further.

Mark, KM7DEW, said the CARE club liked the Sam's Valley location for the 2024 Field Day.

7:33pm Break for snacks & coffee.

8:00pm Presentation on a homebrew 10GHz transceiver by Matt Stagg, KC7OOY. Much good info presented on construction & operation of the tripod-mounted dish transceiver, details upon request.

8:33pm end presentation

8:40pm Meeting adjourned

John, KF7UMK, Secretary

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.

This Month's Programs

1. Kiwi SDR + DX and Propagation Spotting networks

Program: The Kiwi SDR receiver is a low cost HF Software Define Radio. A network of these has been deployed to collect HF amateur radio signals, decode them, and send the spots to various on-line databases in real time. These are generally known as spotting sites, DX clusters, Propagation reporting sites, and others.

Biography: Scott Cummings, NA7OM is the club Vice President and is an avid DX'er.

2. 10 Gigabit Ethernet

Program: 10 Gigabit Ethernet (10 GbE) has declined in cost dramatically over the last few years making it practical in the home network, and for amateur radio applications. For example, a single channel HF digital radio produces about 2 gigabits/second of data, and a dual-channel radio about 4 gigabits/second. This exceeds the capacity of a 1 GbE link. 10 GbE find use in SDR, in home video editing, and in more performant data backup and file copying.

10 GbE has a form factor available called SFP+ that reduces power, cost, and latency. Traditional RJ45 connectors and CAT6A cables can also be used, but have some significant disadvantages.

Biography: Tom McDermott N5EG is the club newsletter editor. He was a voting member of the IEEE 802.3 Ethernet working group and participated in 25, 40, 50, 100, 200, and 400 gigabit Ethernet standards development.

February 2024

Sun Mon Tue Wed Thu Fri Sat

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

Events

Meetings

- **RVARC** 7:00 PM Medford Police Dep't Community Room, 219 S. Ivy St., Medford.
- **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

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 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 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.

Next Club Meeting

Thursday February 1, 2024, 7:00 PM

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

Programs: 1. Kiwi SDR + DX Spotting. 2. 10 Gigabit Ethernet