



# The Repeater

## Next Club Meeting

Thursday September 7, 2023,  
7:00 PM

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

Program: Building the Eimac 4-1000 Tube.

Volume 2023, Issue 9

September 2023

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President  
 Vice President  
 Treasurer  
 Secretary  
 Newsletter & Membership

## Club Notes

Mike Bach brings us a video about the building of the Eimac 4-1000 RF power vacuum tube. This tube was a favorite for both commercial and amateur radio operators in the 1950's and 1960's.

### Digression

The 4-1000A could be operated at 6 kilovolts DC plate voltage in pulse mode, but was a semi-stable oscillator with a bit too much gain at that voltage into a tuned load.

A pair of these tubes could easily make legal amateur power levels. Several times folks were able to hear Around-the-Earth echos (1/7 of a second delay) during the great HF band conditions of yester year.

*(Continued on page 2)*

*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

2023-06-01 RVARC Meeting Minutes

7:05pm: Meeting called to order by President Don Bennett, KG7BP. 24 attendees

Treasurer's report: \$5108.34 bank balance plus \$77 in VEC test fees

Jim Brendle asked for volunteers for the 2023 Wild Rogue Relay Race starting June 16, call Jim at 828-280-5184

Field Day is June 24 & 25 at Ludwell Sibley's place at 102 McDonough Rd, Sams Valley. Tom, N5EG, will post a map on the club email reflector & the website, [k7mfr.org](http://k7mfr.org)

ARRL needs form 605 for operators. It will be category 2A, but if enough operators, perhaps 3A. Mike, WB6FFC, remarked that we need someone to copy the ARRL message for extra points.

*(Continued on page 2)*

## Secretary's Report, Continued

*(Continued from page 1)*

At 3 kilovolts DC plate voltage they were much more tame and stable for use in class AB1 use. The amplifier was made and operated by a friend with an outstanding multi-band quad in a great location.

## Secretary's Report, Continued

*(Continued from page 1)*

Also, need solar powered rigs & satellite contacts for extra points. About ten folks volunteered to help with setup on Friday at Noon. The club callsign is K7MFR. The N1MM+ logging program needs to be updated to the latest version the night before. Pat, KD7MPA, volunteered to setup the PC's. \$250 from RVARC and \$250 from the CARE club are allocated for food and gasoline expenses.

7:53pm break for snacks and visiting.

8:15pm Program: Tom, N5EG, gave a talk on RF Exposure Evaluation see <https://k7mfr.org/files/RF-Exposure-Evaluation.pdf> for a copy of the talk.

8:55pm end presentation & meeting adjourned.

Submitted by 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. Eimac 4-1000 Tube

**Program:** We will have an approximately 30 min video program about the building of a Eimac 4-1000 tube. In December 1953 KGO TV (channel-7) in the SF Bay Area had a monthly program called "Success Story". KGO sent a Camera crew to Eimac and filmed the process of the assembly. The Eimac Rep who told the story was John Reinartz, K6BJ (formerly 1QP, 1XAM & W3RB) the inventor of the "Reinartz Coupler", also Chief of Communications of the 1925 Byrd North Pole expedition (Art Collins 9CXX as a young man was one of the few Hams who could maintain daily contact with this expedition when the Commercial stations could not).

**Biography:** .

2.

**Program:** .

# September 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3 • CP ERC Net	4 • CARE Net	5 • 2M SSB Net	6 • 2M SSB Net	7 • <b>RVARC Meeting</b> • JC-ARES Net	8	9
10 • CP ERC Net	11 • CARE Net	12 • 2M SSB Net	13 • <b>CARE Meeting</b> • 2M SSB Net	14 • <b>Rogue Hack Lab</b> • JC-ARES Net	15	16
17 • CP ERC Net	18 • CARE Net	19 • <b>JC-ARES Meeting</b> • 2M SSB Net	20 • 2M SSB Net	21 • JC-ARES Net	22	23
24 • CP ERC Net	25 • CARE Net	26 • 2M SSB Net	27 • 2M SSB Net	28 • JC-ARES Net	29	30

## 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

Hustler 5BTV 5 band trap vertical about 5 months old. Includes Radial plate and Radials. \$150.00

Steve Patterson, KA7CCP  
Eagle Point, Oregon

[Steve97501@me.com](mailto:Steve97501@me.com)

### 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. **Pre-registration suggested.**

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

**Dates 2023:** Sep 7

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

#### **Grants Pass, OR**

**Time:** Fridays Registration 6:00 PM. Exam session at 6:30 PM. **NO WALK-INS.** Please email a reservation request to John.

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

**Dates 2023:** Nov 17

**Contact:** John Stubbe, K7VSU, email: [jstubbe7@gmail.com](mailto: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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