



The Repeater

Next Club Meeting

Thursday October 7, 2021,
7:00 PM

Via Zoom.
Login sent via email or upon request.

Program: RF Exposure Evaluation / On-line Calculator

Volume 2021, Issue 10

October 2021

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President
 Vice President
 Treasurer
 Secretary
 Newsletter & Membership

Club Notes

The next club meeting will be Thursday, October 7th, via zoom. There will be a discussion on the FCC RF Exposure Evaluation, and the ARRL on-line tool.

Many Northwest Division conferences and conventions have been cancelled again this year.

However the PACIFICON convention has announced that their event will be open this year in San Ramon, CA. It's October 15-17th. In order to attend the sponsors require you to verify either vaccination or a negative COVID test. Additionally masks will be required.

The Pacificon site is available at:

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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.

Secretary's Report

RVARC Meeting Minutes, September 2, 2021. Venue: online zoom meeting, 11 attendees.

7:10pm club business: John Limb, KI7ZOA, made the motion to reimburse Mike Bach, WB6FFC, \$32.50 to cover extra gasoline expenses for the generator for Field Day. Tom McDermott, N5EG, 2nd the motion. Vote yes is unanimous. Motion passed.

John Laybourne, AC7S: No news on using the Medford PD meeting room for RVARC. We will probably need to find a private meeting place for future in-person meetings. Any suggestions are welcome.

Treasurer's report: \$4825.13 in the bank, \$200 insurance due soon. Tom, N5EG, made motion to authorize insurance payment. John, AC7S, 2nded the motion. Passed by unanimous yes vote.

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Club Notes, Cont'd

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<https://sites.google.com/mdarc.org/pacificon2021-new>

The TAPR / ARRL digital Communications Conference was virtual again this year. The event was hosted on zoom, and also relayed to YouTube (about 30 seconds delay).

It was an excellent conference with top-notch technical papers, many focused on the HAMSCI (Citizen Science initiative) experiments and packages.

The individual talks will be broken out into separate YouTube videos if you want to watch one or two of the presentations.

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.

Each month we send ZOOM coordinates for the meeting using that mail list.

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

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Presentation by Pat: June 26 weekend Field day review and pictures.

Operating class 2A About 15 people at Hyatt Lake location. Mike Bach provided food and electricity. Much thanks, Mike!

One setup was for 20m: AB577 mast with Mosley TH tri-band antenna. 40m & 80m dipole antenna used another 40' military mast. Ran at about 100-150 watts on K7MFR club call. Folks were happy with the site (with adjacent campground and outhouses)

Idea for October meeting topic: Online ARRL Antenna Field Strength Calculator (required at license renewal now, to certify RF FS compliance.)

John, AC7S: His neighbor and new ham Scott, kk7bpl (we think we miscopied this callsign), wanted to get involved and needed emergency frequency information.

Tom, N5EG: club website has updated list of repeaters & nets.

New attendee, Arnold Winters, KD6SG, got to introduce himself. Now in Jacksonville, long time ham (since 1953) & VE. Welcome Arnold! He is looking for info on Yaesu 5200 tone capabilities.

Pat mentioned that some VEC communities are doing online license testing with digital submission of forms to the FCC and can get a test-to-license-grant turnaround of as short as 2 hours!

Pat remarked that his VE card is expired. Fred, AE7IM, mentioned that one's VE cert is valid as long as your license is valid.

Meeting adjourned around 8:00 pm

This Month's Program

1. RF Exposure Evaluation / On-line Calculator.

Program:

The FCC adopted RF Exposure requirements for different services many years ago. Until recently Amateur Radio operators had some blanket exceptions that avoided the need to run the calculations. The FCC recently removed the blanket exceptions, and all Amateur Radio stations need to conduct RF Exposure evaluations for their operating situation.

The presentation will cover:

- Basics of RF fields: field strength and power density.
- Absorption vs. frequency.
- Exposure category.
- Some key parameters needed to conduct an evaluation.

The ARRL has put an RF Exposure tool on their website that makes this a simple and straightforward process. A couple parameters from above are needed for input to the ARRL tool.

Other tools are also available, such as 4NEC2 which contains an MPE (Maximum Permissible Exposure) graphical presentation if you have or want to construct an NEC (Numerical Electromagnetic Code) model of your antenna. But this level of analysis is seldom necessary. The club has used the 4NEC2 MPE tool for previous Field Day calculations showing that the operations were in full compliance with the FCC requirements. Besides, 4NEC2 makes colorful charts.

Biography:

- Tom, N5EG is the club newsletter editor and membership database administrator.

October 2021

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 • RVARC Meeting Zoom • ARES Net	8	9
10 • CP ERC Net	11 • CARE Net	12 • 2M SSB Net	13 • 2M SSB Net	14 • Rogue Hack Lab Zoom • ARES Net	15	16
17 • CP ERC Net	18 • CARE Net	19 • 2M SSB Net	20 • 2M SSB Net	21 • ARES Net	22	23
24 • CP ERC Net	25 • CARE Net	26 • 2M SSB Net	27 • 2M SSB Net	28 • ARES Net	29	30
31 • CP ERC Net						

Events

Meetings

- **RVARC** via Zoom.
- **Rogue Hack Lab** via Zoom.
- **CARE** UNKNOWN status.
- **JC-ARES** UNKNOWN status.

Nets

- **JC-ARES** Thursdays 7:30 PM - K7JAX Mt. Baldy Repeater 146.840 (-) [PL 123.0]
- **CARE** Mondays 7:00 PM— KB7SKB Jacksonville Repeater 147.100 (-) [PL 136.5], open, directed net, visitors welcome
- **2 Meter SSB** Tuesdays 7:00PM 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

2020 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 identification. The exam fee for 2019 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—Phoenix, OR

Time: Saturdays, Registration 8:30 AM. Exam session at 9:00 AM. Walk-ins welcome.

Location: Fire District 5 HQ. 5811 South Pacific Highway, Phoenix, Oregon 97535

Dates 2021: **Suspended due to COVID-19**

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

Grants Pass

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

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

Dates 2021: **Nov 19**

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

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7:00 PM**

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