



The Repeater

Next Club Meeting

Thursday June 3, 2021,
7:00 PM

Via Zoom.
Login sent via email or upon request.

Program: Field Day

Volume 2021, Issue 6

June 2021

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President
Vice President
Treasurer
Secretary
Newsletter & Membership

Club Notes

For this month's program we will discuss potential Field Day activities for the club. Our normal site has not yet been released for general use. Several members have been looking at possible locations in the Hyatt Lake area. With the higher altitude it might be cooler than our previous close-in (but down in the valley) locations.

This year the Field Day rule waivers put in place last year remain in effect. This allows home stations (Class D or E) to work other Class D or E stations. However in 2021 home stations are limited to 150 W PEP output.

In previous years we used a special 1x1 callsign. However this year we are looking 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, 2021-05-06

7:00 PM Meeting started on Zoom
About 10 people were in attendance.

Allan, K7GT, had questions for Tom, N5EG, about last meeting's smith chart program.

7:02 PM Scott, AJ7S, mentioned recently working around 280 contacts on JT8 from over 32 states with his attic mounted dipole and mag loop. Noise levels were surprisingly low.

7:08 PM Treasurer's report. Mike, WB6FFC, was reported to have filed the IRS Form 990N for this year, and the bank balance increased \$45 from membership dues paid.

7:09 PM Allan, K7GT, asked about Field Day plans. The possible use of the Agate Lake location will be investigated, as it seemed most favorable of the proposed lo-

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Club Notes

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using our K7MFR call for Field Day. The club registered K7MFR in ARRL's Logbook of The World (LoTW) recently, so we can QSL electronically using our FD logs.

In other news...

WSJT-X version 2.4.0 announced GA (general availability). According to Joe Taylor, K1JT: "We are pleased to announce the General Availability (GA) release of WSJT-X version 2.4.0, which includes the new digital mode Q65. Q65 is designed for two-way QSOs over especially difficult propagation paths, including ionospheric scatter, troposcatter, rain scatter, TEP, EME, and other types of fast-fading signals."

OH6BG has updated VOACAP online DX charts with new graphics code:

<https://www.voacap.com/dx/>

Secretary's Report, Continued

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cations.

Official allocation of funds for Field Day expenses will be taken up at the next meeting on June 3. Mention was made of possibly operating in class 1A, if participants are few. Below are some ARRL Field Day resources that are available online:

www.arrl.org/news/arrl-to-extend-field-day-rule-waivers-from-2020-add-class-d-and-e-power-limit

www.arrl.org/files/file/Field-Day/2021/2021%20Field%20Day%20Packet.pdf

7:15 PM Club President Pat, KD7MPA, gave the first of tonight's two programs: King Mountain Expedition. Pat presented photos and info about his visit to the 5254 foot elevation King Mountain, where the Peak Radio Association has a repeater on 146.940MHz, and some TV stations, and FAA, have transmitters. It is near a three-county junction, so is a good area for contesting. There was a tour of inside the repeater building. Some references: Steve Porter, WA6YSM, Sis-Q Communications, Patio Radio Network Peak Radio Association, W7PRA, Chris Novara, AB7BS Rich Zanni, KJ6RA

7:29 PM Discussion and comments, especially about difficult access during winter, followed. One story included the need to use a roof hatch for access when snow completely covered up the building.

7:40 PM Tom, N5EG, gave the second program, on SDR Measurements with Gnuradio. This is a preview of a program for the Gnuradio meetup planned for July 10th. A calibrated 5dB excess noise source kit from Miami Valley Ohio VHF/UHF Group was used for noise figure measurement. Dynamic range measurement was made by using a wideband display and adjusting input level attenuator to find the clipping level. Third-order intercept point was also measured with two tones input sourced from a 10MHz ru-

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RVARC Mail 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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bidium oscillator and an HP8560B generator through a 50ohm resistive combiner. Ideally a Wilkinson combiner would be used to get improved isolation between the two generators. Some effect of FFT windowing on the measurements was mentioned.

8:43 PM Discussion and comments followed.

Tom mentioned that Dan Babcock, N4XWE, has some scripts for running Gnuradio 3.8 on Raspberry Pi, and can be found at github.com/n4xwe/Raspberry-Pi-Scripts. Other types of testing for SDR that are better than IP3 were discussed. Many other discussions on SDR, supply-chain issues, virtualization, Gnuradio, Field Day, filter and duplexer measurements, low-noise amplifiers, and other topics followed.

10:00 PM Meeting adjourned.

John, KF7UMK, Secretary

This Month's Program

1. Field Day

Program:

- We will discuss Field Day plans, location, and associated club activities. Since this is an outdoor event, we will be able to have more freedom in conducting activities. As COVID declines and vaccinations increase we can start making progress returning to normal.
- ARRL interim Field Day rules will still be in effect this year.

Biography:

June 2021

Sun Mon Tue Wed Thu Fri Sat

		1	2	3 • RVARC Meeting Zoom • ARES Net	4	5
6 • CP ERC Net	7 • CARE Net	8 • 2M SSB Net	9 • 2M SSB Net	10 • Rogue Hack Lab Zoom	11	12
13 • CP ERC Net	14 • CARE Net	15 • 2M SSB Net	16 • 2M SSB Net	17 • ARES Net	18	19
20 • CP ERC Net	21 • CARE Net	22 • 2M SSB Net	23 • 2M SSB Net	24 • ARES Net	25	26 • Field Day
27 • Field Day • CP ERC Net	28 • CARE Net	29 • 2M SSB Net	30 • 2M SSB 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: **Aug 20** **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.

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