



# The Repeater

## Next Club Meeting

Thursday April 1, 2021,  
7:00 PM

Via Zoom.  
Login sent via email or upon request.

Program: FT8

Volume 2021, Issue 4

April 2021

Pat Cunningham	KD7MPA	
Don Bennett	KG7BP	(541) 973-3625
Mike Bach	WB6FFC	(541) 830-3346
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Tom McDermott	N5EG	(541) 734-4675
Club Web Page:		

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President  
 Vice President  
 Treasurer  
 Secretary  
 Newsletter & Membership

## Club Notes

The program for April will be on FT8, given by Pat Cunningham, and John Laybourne. This mode has become very popular because it successfully allows QSO's with very low signal levels.

A related new mode, FT4 is becoming popular for contesting and dxpeditions as it permits approximately 2.5x faster cycle time than FT8 (but not quite as good sensitivity).

The spring contest season is here. CQ WW WPX SSB starts March 27th. April starts a slew of state (and one provincial) QSO parties. The beginning of May is 7QP—one of the big three state-level QSO parties.

*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

2021-03-04 RVARC Meeting Minutes  
7pm by Zoom. 15 attendees

Congratulations were given to Amy AG7GP for First Place in the CA QSO Single Op LP category. Some discussion ensued.

Treasurer's report of bank balance \$4950.84 + 2 checks to deposit yet.

Tonight's program is Smith Charts by Tom N5EG.

Next month's program will be FT8 by Pat KD7MPA ( and perhaps others ).

Larry N7LJC reminded us of the Tuesday 7:00 pm and Wednesday 10:00 am 2M SO SSB VHF Net, Vertically polarized on 144.200MHz USB

Don KG7BP said there could be an Exam Session in late March, if we could pull together a team. Proctors are needed.

*(Continued on page 2)*

## Club Notes

## Secretary's Report

*(Continued from page 1)*

He and Kirby KL7VK are the contact folks. He also said a new rule was that an FRN is needed before the ARRL forms can be filled-in and emailed.

7:24 pm Tom's presentation on Smith Charts and impedance matching was given. The slides can be downloaded from "[web.tapr.org/~n5eg/index\\_files/RVARC Smith Chart & Impedance Matching.pdf](http://web.tapr.org/~n5eg/index_files/RVARC_Smith_Chart_&_Impedance_Matching.pdf)" Since the popular NanoVNA's have a Smith chart view, it is good to have an understanding of that chart.

One resource is Fritz Dellsperger's new Smith V4.1 software available at [www.fritz.dellsperger.net/smith.html](http://www.fritz.dellsperger.net/smith.html) John KI7ZOA mentioned that SimSmith is good ( see [www.ae6ty.com/Smith\\_Charts.html](http://www.ae6ty.com/Smith_Charts.html) ) He also mentioned that Nanovna-saver helps by allowing use of a big screen and easy adjustments( see [github.com/NanoVNA-Saver/nanovna-saver](https://github.com/NanoVNA-Saver/nanovna-saver) ).

8:20 pm Van Sias asked if anyone could help with his Quad antenna. A lively discussion followed.

8:40 pm Mike WB6FFC asked about Amy's recent SOTA's, perhaps 5 posts in the last 8 days? Amy noted that Bandpass filters are needed for peaks with towers, such as Sexton and Hamaker.

Much other discussion of SOTA, DMR, APRS, etc followed and the meeting adjourned at 9:15 pm.

John, KF7UMK Secretary.

## This Month's Program

### 1. FT8

#### **Program:**

- Pat and John will discuss the FT8 mode that has become very popular due to the ability to work with quite low levels of power and small antennas.

**Biography:** Pat Cuningham KD7MPA is club president, and John Laybourne AC7S is previous club president.

# April 2021

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

## 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](mailto: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:** **May 21 Aug 20 Nov 19**

**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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