

**Minutes of the Twin State Radio Club Meeting held June 10, 2023 - Amended**

A meeting of Twin State Radio Club was held via Zoom on Saturday June 10, 2023. The meeting opened at 9:05 AM.

Officers present: Nicole DeShone, AC1HQ - President  
Dave McGaw, N1HAC - Vice President  
Dave Colter, WA1ZCN – Treasurer  
Alan Bradford, AE1H - License Trustee  
Scott McCoy, N1SDM – Secretary

Other attendees: Ed Barney, AB1XQ  
Mark Buck, AC1OW  
Rob Evans, N1BE  
Kim Kimura, KE1LF  
Rob Leiden, K1UI  
Keith Merrick, W1TIM  
Don Price, KB1VP  
Martin Smith, AC1FT  
Rich Watson, N1GNB  
Sully's iPad - Robert Sullivan

***As the meeting started a quorum of voting members was present. Motions can be voted on.***

**President's Report**

Members and attendees were introduced. Attendees were asked to relate a story about an early Elmer.

**Vice President's Report**

Today's presentation is Field Day planning.

Possible future presentations:

- July is radio direction finding for use in fox hunting and RFI investigation.
- August – SOTA and POTA?
- Morse code in the media, how it's presented. Update.
- Extreme bands.
- Tubes (valves) - Dave N1HAC.
- Internet SDRs.
- OTA's – parks, summits, islands, etc.
- Alternative energy.
- Grounding – Ray WA1ORT.
- Radio & power lines.
- Complying w/ FCC regulations on RF exposure.
- Setup of a radio station for the first time.
- Basics on antenna, radio, regulation, and operating practice.
- Satellite communications.
- Contesting.
- Beginning, intermediate, advanced modes.
- Lunar & solar eclipse events, contests by HamSCI.

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- RFI. Common mode chokes.
- Solar eclipse preparation.

The Vice President is soliciting presentation suggestions and presenters. Get in touch with Dave N1HAC either by email or the repeater.

### Treasurer's Report

Dave WA1ZCN reported:

- Checking – \$ 5,297.04.
- Savings – \$ 37,638.83.
- Bonds – \$ 10,000.00.

Cash and checks from the Henniker and NEAR-Fest sales plus dues were deposited.

A motion was made by Ed AB1XQ, seconded by Alan AE1H to accept the Treasurer's report. ***The motion passed unanimously.***

### Secretary's Report

The May 13, 2023 minutes were reviewed.

A motion was made by Alan AE1H, seconded by Kim KE1LF to accept the minutes as submitted. ***The motion passed unanimously.***

### Trailer Report

Alan AE1H reported that the communication trailer was taken to the Covered Bridges Marathon. He has talked with Ed AB1XQ about improvements, specifically the monitor being place for Field Day. There is more work to do to get ready for Field Day including wiring on the 12V bus.

Ed AB1XQ reported no issues with the communication trailer the Covered Bridges Marathon.

A UHF/VHF mobile installation was proposed.

Dave WA1ZCN reported receiving a support check from Covered Bridges Marathon.

### Repeater Committee

Dave N1HAC reported that the Moose Mt. repeater 220 radio has been repaired. The 220 duplexer has been tweaked with good specs. 90dB rejection. There will be final testing and the volume will be turned down. The finals have been blown out, the possible cause being the antenna. The output modules were swapped. Dave N1HAC wants to spend \$35.00 for a new spare power amp module. To be dealt with in new business.

2M sensitivity is down again, will look at tomorrow. An intermittent cable problem? May be de-sensed by collocated equipment. 5G antennas? Dave WA1ZCN thinks it is an equipment problem.

The portable repeater needs work. Dave N1HAC talked to an S-COM designer at Hamvention. They are working on replacement. He mentioned missing on air voice programming. The response was digitizing implementation could put that feature in. Dave WA1ZCN reported that the RC-100 control board is good but the codes won't go in. He will reread to figure it out. Have other controllers to use.

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### Education Committee

No report on the last VE session. VE sessions at Field Day are planned. CVFMA will hold a session next week.

### Election committee

Alan AE1H reported the current slate of candidates are the incumbents. Ed AB1XQ made a motion to that the club secretary cast one vote to elect the slate. Alan AE1H seconded the motion. ***The motion passed unanimously.***

The club secretary cast a vote in favor of electing the candidates.

### Old Business

HamSCI activities were again discussed. <https://hamsci.org/eclipse>.

No information has been received back from Steve W1HS on the club digipeater. The equipment has been purchased.

Dave WA1ZCN reported having enough volunteers to help for the Prouty. He is checking on a location for the portable repeater; still needed.

A Strafford repeater replacement site is still needed.

### New Business

Dave WA1ZCN reported revision of the volume controls in the communication trailer. A better alternative has been ordered. The other parts kept getting back ordered. He proposed the alternative being an in line audio control in a box. Ed AB1XQ stated that other options are available for the same money and a better fit is possible at \$40.00.

Alan AE1H made a motion to authorize spending up to \$40.00 for the volume control parts. Dave N1HAC seconded the motion. ***The motion passed unanimously.***

Dave WA1ZCN reported that the ARRL posters printed by Vistaprint were delivered with minor damage. Vistaprint will replace these. The damaged posters will be given to the section. These were reviewed.

Dave N1HAC reported the need to spend \$34.65 for a new spare power amp module. Alan AE1H made a motion to authorize spending up to \$35.00 for the module. Kim KE1LF seconded the motion. ***The motion passed unanimously.***

Nicole AC1HQ brought up using the club poster at the Big E and asked about club interest in manning the booth there at Vermont Day, as was done last year. There was discussion. Moving the booth will not happen, there was push-back. Dave WA1ZCN stated that the booth looks more professional.

With no further business to address a motion to adjourn called for. So moved by Alan AE1H, seconded by Dave N1HAC. ***The motion passed unanimously.***

The meeting concluded at 10:19 AM. The presentation followed.

Minutes respectfully submitted by Scott N1SDM.