

Minutes of the Twin State Radio Club Meeting held September 4, 2021 - Amended

A meeting of Twin State Radio Club was held via Zoom on Saturday September 4, 2021. The meeting opened at 9:05 AM.

Officers present: President, Vice President, Treasurer, Secretary and Trustee.

President's Report

Members and new attendees were introduced. Attendee radio activities were noted.

Tom Frenaye, K1KI will address the attendees after the meeting. He is running for ARRL Director.

Vice President's Report

The presentation today is on HF propagation during emergency services by Dave WA1ZCN.

October's presentation is by Nashua Radio Society president Fred Kemmerer AB1OC October 9th on attracting people to the hobby.

Possible future presentations:

- Dave N1HAC on the Viper sounding rocket mission studying radio propagation. Nov or Dec
- Talks by other representatives, section managers, etc.

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

Treasurer's Report

- Checking – \$ 224.41.
- Savings – \$ 47,628.15.

The amount in checking is due to the payment of the new rims (wheels) for the Communications trailer.

Interest on savings was \$2.02 last month. Plan to transfer \$1,000.00 into checking from savings.

A motion was made by Ray WA1ORT to accept the Treasurer's Report, seconded by Alan AE1H.
The motion passed unanimously.

Secretary's Report

The submitted August 14, 2021 minutes were reviewed.

A motion was made by Ray WA1ORT to accept the minutes as amended, seconded by Alan AE1H.
The motion passed unanimously.

Trailer Report

Alan AE1H reported that the new rims (wheels) have been installed on the Communications Trailer. The installer performed an inspection of the trailer and reported that structurally it is in good shape. As part of the inspection lights were fixed, the charge for this was covered by the amount authorized for the rims (wheels).

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Dave N1HAC reported he, Dave WA1ZCN and Ray WA1ORT did maintenance both the Moose Mtn. and Strafford sites.

On Moose Mtn. the reported low sensitivity and reduced transmit power issue were investigated. Power outputs and losses through various paths were examined. Power losses were found through connecting cables. There may be overloading of the triplexers. 2M is running at 120W, 440 is running at 100W and 220 may be running at the limit. Replacement is possible, there may be a proposal to buy a couple. The duplexer is off tweak but 2M sensitivity is very good, 440 is exceptional and 220 is as expected. Whatever the issue it is not a radio problem, hope it is not on the tower. Some SWR but it is within acceptable limits.

On Strafford the audio levels were set up and the sound balanced. Bad feedline SWR was discovered: the antenna connector was broken. There is still good coverage. Another visit is needed. The source of the interference was discovered to be related to the WaveComm internet router: the Ethernet connection to the router. Ferrite loops were added and help. 3 turns on the loop were put on the Ethernet cable and this seems to be OK. With the addition of CTCSS tone decoding, the repeater link is not being keyed by the CT repeater anymore.

Dave N1HAC, Dave WA1ZCN and Ray WA1ORT did a lot of work.

Education committee

Ray WA1ORT reported a VE test session will be held at WHQ on September 18th, the same day as the tag sale / flea market at 1:00 PM. This has been announced on the CVFMA reflector and to the ARRL. ARRL has announced that they will subsidize most of the cost of a Technician exam for 1st time test takers who are under 18. Their resulting expense will be \$5.00. Two recently licensed Scouts have had to move out of the area.

Use of the Support Trailer is requested for a Scout gathering in Unity on September 24th and 25th.

Ray WA1ORT would like to get a group together to get more VE's accredited.

Old Business

The Vanguard investment papers were signed. However, there is a requirement that the membership authorize the signing with a motion and vote. This will be dealt with under new business.

Dave WA1ZCN stated that the tag sale / flea market needs more promotion. It was suggested that this could be done at HamXposition. Handing out flyers was suggested.

The club website is still down. Passwords to access are needed. Alan AE1H will take action on.

The disposition of the older club radios still needs to be decided on. It was suggested that they be pulled out, examined and a list be made. Will make a best effort.

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Dave WA1ZCN stated that a club headphone adapter failed on Field Day and needs replacement. He made a motion to send \$32.90 to replacement the adapter. Alan AE1H seconded. ***The motion passed unanimously.***

Dave N1HAC reported that replacement triplexers were available on EBay for \$125.00 plus shipping. Connectors are needed to convert them to N. Alan AE1H suggested that new triplexers be purchased with the proper connections. Dave N1HAC replied these are not available and that conversion is easy.

Dave N1HAC made a motion to send up to \$250.00 to purchase two triplexers and connectors. Ray WA1ORT seconded.. ***The motion passed unanimously.***

Kim KE1LF asked if the old triplexers should be sold. Dave WA1ZCN replied they should be held onto.

Dave WA1ZCN called for a motion that the members authorize the Secretary and Treasurer to jointly sign all documents regarding investment accounts. So moved by Alan AE1H, seconded by Ray WA1ORT. ***The motion passed unanimously.***

The proposed TSRC Non-Discrimination and Inclusion and the Personal Safety Policies were read to the attendees. It was suggested that it be send out to all members. Scott KC1LDI will put them up on the reflector.

Ed AB1XQ reported that the new club laptops should have solid state hard drives (SSD) installed to improve performance. He reported that batteries for the laptops are also needed. Scott KC1LDI will coordinate w/ Steve KA1LHZ on the SSDs. A motion was called for to spend up to \$195.00 for laptop batteries. So moved by Ray WA1ORT seconded by Kim KE1LF. ***The motion passed unanimously.***

With no further business to address a motion to adjourn called for. So moved by Ray WA1ORT, seconded by Kim KE1LF. ***The motion passed unanimously.***

The meeting concluded at 10:19 AM. Tom K1KI addressed the attendees followed by the presentation.

Minutes respectfully submitted by Scott KC1LDI.