

Minutes of the Twin State Radio Club Meeting held November 13, 2021 - Amended

A meeting of Twin State Radio Club was held via Zoom on Saturday November 13, 2021. The meeting opened at 9:06 AM.

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

Officers absent: Trustee.

As the meeting started it was noted that a quorum of voting members was not present. Voting on motions will be tabled.

President's Report

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

Vice President's Report

The presentation today is by David N1HAC on the new propagation experiments being done using one of the oldest radio services: WWV.

Possible future presentations.

- Report by Dave N1HAC on the Viper sounding rocket mission, NAA received ionosphere probe studying radio propagation. December?
- Grounding by Ray
- Surface mount assembly.
- Antenna forum – April?
- Slide set on the Cape Cod WCC Marconi station.

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 – \$ 2,793.61
- Savings – \$ 41,632.07

\$5,000.00 in savings bonds have been purchased. Plan to purchase another \$5,000.00 in bonds over the next 6 months.

A motion was made by Scott KC1LDI to accept the Treasurer's Report, seconded by Dave N1HAC.

The vote was tabled due to lack of a quorum.

Secretary's Report

The amended October 9, 2021 minutes were reviewed.

A motion was made by Ed AB1XQ to accept the minutes as amended, seconded by Dave WA1ZCN.

The vote was tabled due to lack of a quorum.

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Dave WA1ZCN cleared brush and graded an area for the support trailer at WHQ.

The positioning of circuit breakers in the communications trailer has been decided on. Upper cabinet work in the support trailer is to be done.

Dave N1HAC asked about UBS charging at stations in the communications trailer. Ed AB1XQ stated a motion was made to spend to purchase UBS power connectors in both trailers. There was discussion on USB types to support. Some chargers are EM noisy. Don KB1VP stated USB C is becoming a standard.

Dave WA1ZCN reported an issue with lights on the support trailer. A driver issue?

Repeater Committee

Dave N1HAC and Dave WA1ZCN were up on Moose Mtn. is working the repeater sensitivity issue. Network analysis was done on cables. The duplexer is in tune. The cable loss is within limits. A disturbing issue was found: 2 of the 4 20A modules in the Samlex power supply have failed, possibly due to lightning or surge damage. They want to take up the backup supply, swap it out with the Samlex unit, bring it down for check and (hopefully) repair. Dave N1HAC would like to purchase new Samlex 20A modules to swap in and for extras. There are 5 20A module slots in the Samlex and if all of them were populated the unit would supply 100A. Testing has been done at the antenna connections, and through the duplexer and triplexer. Plan to do network analysis of the cables up on the tower. There are no smoking guns, hope issue is not up on the tower. The UHF side of the Moose repeater is phenomenal, possibly due to the power amplifier being replaced. 220 is OK.

Strafford is still having a noise problem. 220 link from Strafford to Moose is good, from Moose to Strafford is not so good. There was discussion on the coverage on Strafford.

Dave WA1ZCN is working on the portable repeater. It not usable below 147 MHz. This is a programming issue. He has set it for a frequency above 147 MHz which is shared with a repeater in Salem, but since the portable is a local repeater this may not be an issue. Dave N1HAC will try to tune.

Education committee

Ray WA1ORT reported that the JOTA event was successful and thanked all those who helped with it. The event was enjoyed. Plans are being made for next year. There is interest from the Scouts in being part of Winter Field Day. Having the field day at La Salette was suggested. A license session can be run then if there is enough interest.

Old Business

The Burden estate sale at NEARFest was successful, \$2,000.00 was made. 3 pallets of gear was taken to NEARFest and ½ a pallet was brought back. Volunteers were thanked.

Dave WA1ZCN reported that Richard Lang, K1DL wants to donate equipment to the club with the suggestion it go to beginners as an incentive. There was discussion on this.

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New Business

At this point in the meeting a quorum of voting members was present. Motions could now voted on.

Dave N1HAC made a motion to spend up to \$200.00 to purchase two (2) 20A Samlex power supply modules: one for immediate use and a spare. Dave WA1ZCN seconded. ***The motion passed unanimously.***

The list of the older club radios for disposition created by Dave WA1ZCN was reviewed. 5 HF beams have been sorted and organized. 3 Yaesu radios will be kept. There was is discussion on how to price (value), sell and where. Dave WA1ZCN is soliciting information on values. It was suggested that EBay be referenced. Dave WA1ZCN will send out the list again.

It is time to start thinking about Winter Field Day, where it will be sited. How scouts will be involved.

The club involvement in the Grantham Sled Dog Race was brought up, who will be available. Dan AD1HD will get in touch with the organizer.

Dave WA1ZCN made a motion sell the equipment on the reviewed list when pricing and a means are determined. Dave N1HAC seconded. ***The motion passed unanimously.***

A new venue for in person meetings is needed. The attendees were asked to think about where: soliciting a list. A place where food is available is wanted.

Eric KB1VUN asked about working 12M. There was discussion on this.

With no further business to address a motion to adjourn called for. So moved by Dave WA1ZCN, seconded by Ed AB1XQ. ***The motion passed unanimously.***

The meeting concluded at 10:15 AM. The presentation by Dave N1HAC followed.

Minutes respectfully submitted by Scott KC1LDI.