

**Minutes of the Twin State Radio Club Meeting held November 12, 2022**

A meeting of Twin State Radio Club was held via Zoom on Saturday November 12, 2022. The meeting opened at 9:01 AM.

Officers present: Nicole DeShone, AC1HQ - President  
Dave McGaw, N1HAC - Vice President  
Dave Colter, WA1ZCN – Treasurer  
Alan Bradford, AE1H - License Trustee  
Scott McCoy, KC1LDI – Secretary

Other attendees: Ed Barney, AB1XQ  
Ray Chaffee, WA1ORT  
Derek Flint, KC1QXL  
Eric Hansen, KB1VUN  
Bill Hopwood, KB1QXJ  
Kim Kimura, KE1LF  
Rob Leiden, K1UI  
Peter Ludwig, AB2U  
Dan MacMartin, AD1HD  
Magdalena Moses, KM4EGE  
Don Price, KB1VP  
Gordon Schnare, AB1SK  
Alex Smith, W1FET  
Martin Smith, AC1FT  
William Stearns, KC1ROJ  
Dave ?

***As the meeting started it was noted that a quorum of voting members was present (9 full members). Motions can be voted on.***

**President's Report**

Members and attendees were introduced. Attendees were asked to relate radio activities.

**Vice President's Report**

The presentation today is an overview / introduction of radio astronomy by Don KB1VP.

Possible future presentations:

- Setting up the first HF station- December.
- FLDIG – January.
- Surface mount & assembly – Bruce N1RX? Dan AD1HD? Jay KB1RZA? Dave N1HAC?
- Tubes (valves) - Dave N1HAC.
- Internet SDRs.
- Direction finding - Spring.
- Antenna design – usually April.
- OTA's – parks, summits, islands, etc.
- Alternative energy.

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- Balloon update.
- RFI. Common mode chokes.
- Solar eclipse preparation.
- Lunar & solar eclipse contests by HamSCI.
- Satellite communications.
- Basics – first setups.
- Digital modes – FT8, WSJTX, actual modulation scheme.

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 – \$ 5,713.86.
- Savings – \$ 37,627.94
- Bonds – \$ 10,000.00.

\$27.19 was spent on the communications trailer lights.

A motion was made by Alan AE1H, seconded by Gordon AB1SK to accept the Treasurer's report.  
***The motion passed unanimously.***

### Secretary's Report

The submitted October 8, 2022 minutes were reviewed and amended.

A motion was made by Gordon AB1SK to accept the amended Secretary's report, seconded by Peter Ludwig AB2U. ***The motion passed unanimously.***

### Trailer Report

The communication trailer was used at NEARFest. Both trailers were used at JOTA. Dan asked if the communication trailer should be lifted up and examined for rust. This has been done, not much rust is evident. There was discussion about rust prevention and places that do rust proofing.

### Repeater Committee

Dave N1HAC reported that the Moose Mtn. repeater is nominal. The primary Samlex power supply has been rebuilt. There have been problems with the surge suppressor. 4 of the power supply modules have failed and been replaced. A 5<sup>th</sup> module has been added for a 100 A total. 50 A is available usually. The Astron power unit is up there now and at limit. Plan to look at transmit problems. May swap out the encoder. Derek KC1QXL reported that EchoLink didn't seem to be working. Dave WA1ZCN stated that the problem is with transmit side and that the antenna may be down. Dave N1HAC asks that problems be reported.

The Corinth repeater has audio problems that come and go. Investigation is needed. Derek KC1QXL commented on this. There is noise and burbles.

Sites for the former Strafford repeater are still being sought. Derek KC1QXL commented on the Rogers site and suggested it for the portable repeater. Dave WA1ZCN talked about the

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appropriateness of the possible sites. Dave N1HAC suggested an offer to clean up the Rogers site and use it as long as possible. Dave WA1ZCN stated one problem is that it is a commercial site and payment to use may be an issue. Dave N1HAC responded that payment could be a write off and clean up could pay for any use.

**Education committee**

Ray WA1ORT reported that the next licensing session is next week at 10:00 AM at La Salette and asked about available VE's. La Salette is closing down and the property maintained until it is sold. New testing venues will be needed, possibility as soon as January. Renting sites was proposed. There was discussion on this. There was consensus for having sites that were free to use was preferable.

Dave N1HAC reported that the CVFMA appreciates the exam cross schedule with the TSRC. They have found a new venue at the Charlestown Senior Center. Nicole AC1HQ suggested checking out other senior centers for a venue.

Nicole AC1HQ asked about progress in advertising licensing sessions. Ray WA1ORT reported success using Listserv for another club and will work on it. Derek KC1QXL volunteered to help with Facebook and Twitter. Ray WA1ORT suggested doing public service announcements on local radio stations.

Dave WA1ZCN has written down what should be done next time for JOTA. He stated that the purpose of JOTA is to have scouts on the air talking other scouts. This was not done and 2/3 of the attendees were just not interested. Need to run with an interest. The 20 minutes of allotted time is a problem, more is needed. Ray WA1ORT suggested an independent JOTA. There was discussion on this. Nicole AC1HQ stated there is a Girl Scout JOTA equivalent in May. Ray WA1ORT has information on this and will send out an email on.

Nicole AC1HQ asked about the VE examiner training session via Zoom. An email and/or reflector notification will be done. The 1<sup>st</sup> week in December was proposed.

**Old Business**

Dave WA1ZCN reported on NEARFest. Money was made on the items sold there. There are more items to sell. He stated that Dave KA1CRP's contest capable Kenwood transceiver is one these. Alan AE1H reported that the unit will receive, transmit will be tested. Dave WA1ZCN asked if this and club rigs should be sold via online auction. There was consensus this was reasonable. A CVFMA listing will be made too.

**New Business**

Nicole AC1HQ stated that it was time to begin planning for Winter Field Day. Where? Also the Grantham Sled Dog race should be planned, the club presence figured out. Dan AD1HD will take the lead on this; make contacts.

Dave N1HAC related other events. The CVFMA is planning to do their flea market the 1<sup>st</sup> week of February. HamSCI is planning 2 eclipse events. A QSO party for the upcoming annular eclipse in

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October and another for the coming total solar eclipse. More activities are planned for the total eclipse including frequency and propagation tests. If interested go to the HamSCI web site.

It was suggested that a separate Events section be created in the meeting schedule.

Dave WA1ZCN proposed the creation of a state of the art satellite station: that the current ICOM transceiver and antennas be brought into club inventory. This would be set up for demos and test sessions. Nicole AC1HQ asked if VHF could be done; it would have a lower cost. There was discussion on this. Costs will be determined.

Ed AB1XQ made a motion authorize funding to purchase an additional ICOM 7300 transceiver, case and gear. The motion was amended to authorize up to \$2,000.00 in funds for this purchase. The motion was seconded by Ray WA1ORT. ***The amended motion passed unanimously.***

Dave WA1ZCN made a motion authorize funding to purchase a case for the ICOM 7300 transceiver that does not have one. The motion was amended to authorize up to \$300.00 in funds for this purchase. The motion was seconded by Ray WA1ORT. ***The amended motion passed unanimously.***

Martin AC1FT suggested the Monshire Museum be explored for meeting and exam space. There was discussion on this.

With no further business to address a motion to adjourn called for. So moved by Dave N1HAC, seconded by Eric KB1VUN. ***The motion passed unanimously.***

The meeting concluded at 10:30 AM. The presentation followed.

Minutes respectfully submitted by Scott KC1LDI.