

Trident Amateur Radio Club, Inc.

Membership Meeting Minutes - Final

6/17/2024



President - Steve Anderjack, KO4AFL – Welcome
Vice President - TW Kirkpatrick, KF4CQH – Nothing to report
Treasurer - Jim Self, KW4PW – Absent. \$6400 in the bank. Insurance bill left to be paid
Secretary - Renata Sierzega, KQ4ASH – Absent. Jim KO4MNB taking minutes
Board Member at Large - Chris Benoit, KC4NW – Nothing to report
Board Member at Large - Glenn Stephens, WA4NMW – Nothing to report
Membership – Ron Davis, K4TCP – 97 paid members
Testing – Ron Davis, K4TCP / Steve Anderjack, KO4AFL – 2 signed up. Looking for location,
Programs – Greg Mitchell KB1AWM – Chasing DX tonight. Later 3D printing. Elections August.
QSL manager –Chris Benoit KC4NW- 4 QSLs from Museum Ships, Several from Air Show.
Repeaters – Bryce Myers, K4LXF – Nothing to report
Fund Raising –Jim Self, KW4PW – Absent
Properties – TW Kirkpatrick, KF4CQH – Nothing to report
Education and Scholarship- Jim Wasson KO4MNB, Stephen Behr K4OPZ – Report follows
Field Day- Ron K4TCP, TW KF4CQH, John Satterfield KK4JS – See below

Call to order: 1900

Location: American Red Cross, 2424-A City Hall Lane, North Charleston, SC 29406

Upcoming Events: Note: All participation for events must be approved by the Board prior to any members signing up the Club to participate.

Museum Ship Weekend: **1-2 Jun 2024 HUNLEY** at the boat yard at the Friends of Hunley Museum, POC: Dave Merritts AE4ZR

- This year we set up a portable operating station rather than bring the club trailer
- Operating times would be on Saturday only, 1 June, from 0800 to 2000
- However, only 4 people showed up to operate so we shut down around 1400
- The FT-897, that was donated from Jim Wallace's estate, worked well
- Made 110 QSOs including 6 other museum ship and a sub-to-sub contact
- Steve, KO4AFL, sent the ADI log to Ron, K4TCP, to upload on QRZ/LoTW
- Dave, AE4ZR, requested the AFI log also be sent to him to file with Battleship New Jersey

Summer Field Day **22-23 June 2024** POC John KK4JS

According to the ARRL, "the theme for 2024 ARRL Field Day is "Be Radio Active." The event will run on June 22 - 23, and it will be one-part contest, one-part emergency communications exercise, and one-part open house -- and a great time. The theme encourages radio amateurs to take advantage of the peak of Solar Cycle 25, which we are nearing. Activity this year is likely to be extremely high thanks to favorable solar conditions. The upper HF bands, such as 15 and 10 meters, should benefit most from the Cycle's peak."

- Location: St John's Episcopal Church field, 3673 Maybank Hwy, John's Island, SC 29457. POC Clark Cromwell O:843-974-5593; M:504-578-8543
- Board confirmed approval: Glenn WA4MNV and TW KF4CQH.
- Post event to the Charleston Business Club.
- A donation to the church will be made. Jim, KW4PW, will give KO4AFL a check.
- Berkley ARES and CARS have been invited to join us.
- Suggested we put an announcement in ARRL bulletin and send out press release.
- Board approved club expense the pulled pork BBQ on the menu, water, tea and paper products with members bringing a dish to pass for a club dinner on 22 Jun 24 at 6 pm.

- Renata KQ4ASH and Chip WB4ZVR visited the facilities kitchen and sent a video
- A sign-up list was created for members to bring “sides” for the meal on Saturday at 6:30 pm. Need a firm head count NLT, Wednesday, June 12th.

The Citadel Cyber Awareness Month Oct 2024, POC: Jim, KO4MNB – Nothing to report

OLD BUSINESS:

Trailer Maintenance and Deployment Committee: POC Steve KO4AFL

Members: Chip WB4ZVR, Jim KW4PW, Mike KJ4TAC, Ron K4TCP and Glenn WA4NMW

- A “curtain” specifically for sound proofing may need to be installed to decrease the sound
- Work left to be done:
 - Mount propane tanks after continued floor repair (weld frame “C” channel support)
 - TW suggested we mount the two tanks on the tongue and buy a cover for them. Steve said that the tongue weight would be too much with the tanks up front.
 - An 8-foot cleanable rug runner may be helpful
 - Some rust spots noted on the trailer frame and needs to be removed
 - Small dehumidifier for the trailer
 - Reinforce sagging floor
- Trailer Use Discussion: Club use, educational use, promotional use
 - Request for consideration of trailer use needs to be submitted to the committee 60-90 days in advance

Most Likely	Possible Trailer events
Winter Field Day: ON SITE	Spring Operating Day
Hunley Event – Ft Moultrie POTA	Museum Ships Weekend
Summer Field Day: TRAILER	Fall Operating Day
Little David: TRAILER	Citadel Cyber Event
JBC Air Show/Open House: TRAILER (not annual event)	

- Chip Mack, WB4ZVR, suggested we add a second 2M rig as a dedicated APRS station, apart from the ICOM ID-5100A VHF/UHF/DSTAR radio mounted to the wall between the two stations with its own DC-DC converter.
- The Maintenance and Deployment Committee:
 - Plan: Meet monthly on Wed prior to Board Meeting
 - Will discuss which events necessitate the trailer
 - Will make a decision on reimbursing members for pulling the trailer. Note: a few club members should not incur the expense of the trailer for the overall benefit of the club
 - Proposal: \$.25/ mile; Reimburse with receipt after refueling tow vehicle; Fed rate is \$.67/mile not towing a vehicle.
 - Will discuss the impact on the annual budget and limits of those funds
 - Will make decision on the trailer use on a case-by-case basis for those events that are one off
 - Will consider cost of filling the propane tanks with frequent use
- Solar panels were donated when trailer grant was awarded, solar charge controller donated by Samlex power in return Steve will be releasing a You Tube video on the trailer and listing the donors as sponsors. Need to drill hole in trailer to route electrical metallic tubing (EMT). A meeting was held on June 19 to plan the installation prior to Summer Field Day.

Jim Wallace: Silent Key. Jim’s wife Mary had donated his radio equipment to TARC. Board discussed using the equipment as part of a GOTA (Go-On-The-Air) Box of equipment when the trailer is not in use and place a plaque on the equipment noted it was donated by Jim’s family. A

note of thanks will be sent to the family. Steve KO4AFL has compiled a list of the major donated items. There are 3 radios. The FTDX-10 and IC-7300 will be used by the club. One of the radios is in a GOTA box. Steve KO4AFL will donate another box for the second radio. A FT-897D radio, all bands all modes, will be presented to the club for donation via a silent auction at the next club membership meeting starting minimum bid of \$250.

Education and Scholarship Committee: Jim Wasson KO4MNB and Stephen Behr K4OPZ

Palmetto Scholars Academy POC Steve Behr K4OPZ – no update.

St. John Catholic School: POC Jim Wasson KO4MNB and Stephen Behr K4OPZ

- ARRL education curriculum. Wrapped up the classes at St John Catholic School on 29 April with an introduction to long range radio communications and completed the one amplifier that wasn't completed in February. Amplifier was tested with the crystal radio and confirmed operational.
- The students presented us with thank you notes for the crystal radios and teaching them about amateur radio this past school year. Great job by the team and their work with the students!
- The Principal Karen Durand will be attending the ARRL Teachers Institute in June. They will be returning to the school with a great education on HAM radio and equipment for the school. Karen submitted her application to attend the ARRL Teachers Institute on Wireless Technology.
- With Karen Durand, school principal, made a first visit to their future 'STEM' building. Jim, KO4MNB, Steve, K4OPZ, Glenn, WA4NMW, and TW, KF4CQH took measurements and determined antenna locations on 22 May 24.
- In addition, the Committee purchased two new HTs with accessories to present to both Karen and Molly Myer, Science teacher, once they are licensed.

SC Department of Employment and Workforce (DEW): POC Jim Wasson, KO4MNB

A proposal developed by TARC and the South Carolina Department of Employment and Workforce (SCDEW) has been selected to participate in a scheduled Amateur Radio on the International Space Station (ARISS) contact in December 2024. The ARISS Press Release was posted by Ron Davis on the TARC Website. The contract was signed and submitted.

Tom Glaab AJ4UQ and Jim KO4MNB conducted site surveys on May 8 at all three schools and submitted the Equipment Plan, which was accepted by ARISS. We are waiting on the DEW Communications Director to submit the Live Stream plan next. Students will prepare questions to ask during the ISS contact. The schools that are vying for the ISS contact are as follows:

- Woodland Middle School in Dorchester
- Ronald McNair School in Lake City
- Hillcrest Middle School in Dalzell

TARC team includes Jim KO4MNB, Tom AJ4UQ, Greg KB1AWM, Steve K4OPZ and Steve KO4AFL.

Properties: TW Kirkpatrick KF4CQH

Add GOTA Box to inventory, serialize, and take a picture.

Membership: POC Ron K4TCP

Current membership: 94

Discussion to consider business cards for the club to provide to interested people.

QSL: POC: Chris KC4NW

- Update: 1 QSL card sent out; 1 QSL card received

- N4EE: Maintain N4EE for Special Events and Field Day. David Merritts AE4ZR is the custodian and uploads into QRZ.
- N4HLH: Use for Hunley Events. Ron K4TCP is the custodian and uploads into QRZ.
- W4ANK: Repeater Call Sign for future for club events.

Media: POC Ron K4TCP

- Note: When Mailchi.mp is updated, a notice is added to the TARC (Trident Area Radio Club) FB page.

Program ideas: The following ideas to be considered for future club programming for members.

Please note: The ideas listed below need to be confirmed with an ELMER presenting.

- May: Glen N2GW: Radio modes: APRS, WINLINK Great presentation!
- June: Greg KB1AWM: Chasing DX
- July: Ron K4TCP: How to use CHIRP to program your Baofeng (or other) radio
- Radio activities: satellite
- Propagation information: solar cycle
- J pole and antennas
- Programing for Extras
- Ladder lines

TREASURER: Jim KW4PW

South Carolina Federal Credit Union

- Total balance: \$6,386
- Expenses:
 - Solder station for raffle: \$49
 - State Farm Insurance: \$149
- Earnings:
 - Dues received
- Social media: Website: Dream Host
 - Hosting due **1/20/25**.
 - Domain registration: \$17.99 yearly due **1/16/25**
- Raffle: ARRL Learn CW text (June)

NEW BUSINESS:

Education and Scholarship Committee: Jim Wasson KO4MNB and Stephen Behr K4OPZ

EDUCATION:

St John Catholic School: POC Jim Wasson KO4MNB and Stephen Behr K4OPZ

- All the equipment needed to build a ham radio station was ordered and received
- This expense will be paid for by the school under a grant that they received
- 811 was called. The Utilities were marked before we dig to erect the two masts
- TARC Volunteers are invited to come to the school at 0900 on June 20 to begin work

SC Department of Employment and Workforce (DEW): POC Jim Wasson, KO4MNB

- TARC has committed to teach three virtual classes using the ARRL Education & Technology curriculum to the four schools in September and October covering the following topics:
 - Historical review of wireless technology and definition of communication
 - Basic wireless station components and wave propagation

- Basic electronics and how components work together
- Stephen K4OPZ will be demonstrating a portable ham radio station on Nov 20 at the Citadel stadium to the students of all four schools prior to our ISS contact the first week of Dec.

W4DAX SCHOLARSHIP Program: POC: Owen Trott, KF5BLK/VA3DFW

- Owen Trott, KF5BLK/VA3DFW, will take over as the lead for the 2024-2025 Scholarship Program. Tom Lufkin would only like to award only one scholarship next April.
- Owen is working on bring our program in line with ARRL requirements. He revised the application form and presented the following ideas to increase the number of applicants
 - Promote the program at all TARC events with handouts
 - Promote the program with the Coast Guard Auxiliary and Civil Air Patrol
 - Meet with the school's financial office instead of the counselors
 - Awardees will be given a certificate and one –year membership to ARRL or AMSAT
- Mike Edwards, KJ4TAC, suggested that we contact the SC Coalition for Math & Science
- Chip Mack, WB4ZVR, said that the Foundation of Amateur Radio has been unresponsive
- Program changes are pursuant to Tom WA4DAX's approval – call scheduled June 18

Citadel Ham Radio Club N4CIT: POC: Jim KO4MNB, Steve K4OPZ

Col Linda Riedel, Dep Dir of Ops and Outreach, Citadel DoD Cyber Institute: TARC gave her the contact information for the trustee to investigate where the equipment from the previous radio station is stored.

Citadel Adjunct Prof Mark Lester is a HAM. Jim e-mailed Mark Lester and he responded that he would be glad to help restart the Citadel Ham Radio Club but has since been unresponsive.

The Citadel said that they would like to have us come in October for Cyber Awareness Month.

Repeaters: Status will be reported monthly. POC: Bryce K4LXF

- Knightsville: 146.94: Switched back to Wallace. This may be an antenna problem
- Adams Run: 147.345
- Monks Corner: Random issues: resolved
- Wallace Road: 100-watt amp replaced: resolved
- Awendaw: 100-watt amp replaced: resolved

Lending Library: A suggestion was made to create a lending library to assist members in advancing their Ham Radio education and licensing.

General Information:

Testing: Testing is scheduled the 3rd Wed of every month. Steve KO4AFL is looking for an alternative site due to voting machines at the Hanahan Library Conference Room. Jun 2024 site will need to change due to voting.

Two tested: Congratulations to our own new EXTRA Jim Wasson KO4MNB

Airshow Logs: David AE4ZR requested that logs for QSOs using the club call N4EE be sent to him so that he can load the ADI files into QRZ/LoTW in order to close out confirmation requests.

Awendaw Repeater: Mike White, N4OBR, reported the repeater is linked to repeaters using protocols other than DSTAR (Fusion, DMR). He offered to give a presentation at a later date.

TARC Logo Shirts: POC Renata, KQ4ASH

Seaboard Traders 2139 North Boland Circle, Suite 200, N Charleston. Diana has the club logo. Phone 843-277-2591. Email: sales@seaboardtraders.com She prefers the official order to come via email so it is in writing if you are not on location.

ADJORN 2000

V/R

Jim Wassom

KO4MNB

RADIO OPS class sponsored by the National Electronics Museum.

Here is the link to the signup form:

<https://forms.gle/jKoezyUr5Ak2pvji9>

It takes less than a minute to sign up.

Sessions are recorded and available at tinyurl.com/operate24

The syllabus for the course is:

CW in the no-code era

Digital Modes

Contesting

Logging Software

Amateur Satellites

Portable (backpacking) Operating

Propagation: HF and 6-meter Propagation during the next 4 years near Solar Max

Public Service Communications

Emergency Communications

Lightning Protection and Grounding

Traffic Handling

Setting up a Modern (or not so modern) HF Station

The final syllabus will be posted at the tinyurl.com/operate24 site. Copies of PowerPoint presentations and other information will also be posted at this site.

There is no text required, but "The ARRL Operating Manual for Radio Amateurs, 12th Edition" is available in paperback and Kindle versions, and covers much of the material we will present.

Here is the Zoom info:

Topic: Operating Classes 2023

Dates: Thursdays, Apr 4 through June 20, 2024

Times: 6:30 PM to 9:30 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/85870775937?pwd=WU1aNndRdGRVOThBV0pweUIJL250dz09>

Meeting ID: 858 7077 5937

Passcode: 981159