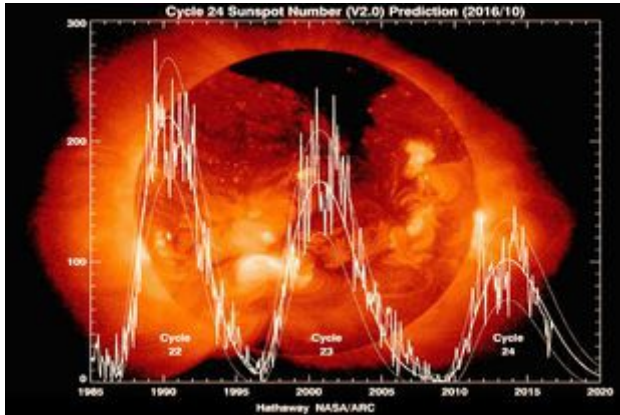


# The Printed Circuit

The Monthly Publication of the  
Tallahassee Amateur Radio Society

**May 2022**



**T**ALLAHASSEE  
**A**MATEUR  
**R**ADIO  
**S**OCIETY



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P.O. Box 37127  
Tallahassee, FL 32315



## TARS Officers

- President            Alan Terrell    N4KGT
- Vice President     Phil Ashler    N4IPH
- Secretary           Todd Clark    KN4FCC
- Treasurer           Doug Ferrell   KD4MOJ
- Member at Large   Don Pace      KK4SIH

## Committees

|  |              |        |
|--|--------------|--------|
| Repeater Trustee #1                      | Randy Pierce | AG4UU  |
| Repeater Trustee #2                      | Doug Ferrell | KD4MOJ |
| Education & Training                     | Phil Ashler  | N4IPH  |
| Equipment Manager                        | Vacant       |        |
| Newsletter Editor                        | Paul Eugenio | K00KE  |
| Testing                                  | Norm Scholer | K4GFD  |
| Public Information Officer               | Jason Ford   | W4JMF  |
| Webmaster, Web Content, and Social Media | Your Name    | GR80PS |
| Server Administrator                     | Don Pace     | KK4SIH |

## **MINUTES of the May 2022 TARS Meeting**

7PM on May 5, 2022

American Red Cross Building, Tallahassee, FL

### Attending the Meeting:

DDoug, KD4MOJ

Don, KK4SIH

Nick, W4EAF

Gerry, WA6POZ

Chief, KA5USN

Phil, N4IPH

Jerry, N4JL

Alan, N4KGT

Norm, K4GFD

David, KB2NUI

Terry, KO4RVE

Richard, KM4BRR

Randy, AG4UU

Gerald, KG4BLL

Dave, KB4JB

Richard, WA4TEO

Monroe, WB4DMM

Todd, KN4FCC

Keith, K4KRV

Adrienne, KO4UMY

Bob, NT4B

Bill, WW4WA

Bill, AE4S

Bill, KF4KHJ

Tom, K4TB

Stan, K4SBZ

Daniel, KO4VXS

Tony, KO4TDF

Alan, N4KGT called the meeting to order at 7pm and led the club in the Pledge of Allegiance.

**Approval of the Minutes** -- no objections to the meeting minutes. The meeting minutes were approved with no objections.

### **Program**

Tom Brooks K4TB introduced Dave Davis, WA4WES, made a presentation on the Hurricane Season 2022. Prediction is for 19 named storms, with 9 hurricanes and 4 will be category 3 or higher. This is an above average season (as predicted). We do not know where they will hit. In the past about 50% have hit the continental US. June is seasons that start in the Gulf of Mexico and move north. Starting in mid-August to early October, the storms form off the coast of Africa and move across the Atlantic. These storms may turn North / Northwest into the open Atlantic. But if they don't they can get into the Caribbean Islands or to Mexico. When storms come ashore, they do typically lose some strength over land. After October 1, the trend goes back to storms that start in the Gulf of Mexico. So peak of hurricane season is really early August to early October. Hurricane Watch net is on 13.325 MHz (listen, do not talk). This net is used to gather information that is forwarded to the National Hurricane Center in Miami. The net is activated when a hurricane is within 300 miles of a populated land mass.

Winlink can be used to send a radio station that can be sent to the internet. This was used during Hurricane Maria to send messages between the south end of Puerto Rico and the north end of the island / San Juan.

Locally, ARES has a Sunday evening net at 2000 hours local time. Capital Region will have an exercise on 2 meters in late May, early June of this year. Many times, more damage is from the storm surge than just from the wind.

Storms that move inland lose 50% of their strength every 12 hours, as a rule of thumb.

Things to do for ARES members:

- Monitor 147.03 MHz (3 days in advance of the storm)
- Review what's going on, who will be activated, county ARES plan, possible deployments to schools, EOCs, shelters, hospitals
- Preparations for personal property
- Radio preps for emergency power, antennas, mobile operations
- Situation reports from different locations around the county
- Assignments for Net Control Stations
- Frequencies being used, with backup repeaters, and on HF, VHF, UHF, SARNet

After the storm, ARES members can deploy to areas that may need communications assistance. Two meter voice is the major mode used, but you can also use digital, Winlink, MARS.

NWS does have a chat room set up and amateur radio operators can input information to the NWS chat room.

Ham radio involvement is typically very useful in the first 72 hours after the storm hits.

Chief, KA5USN, recommended adding the apps from Leon County and City of Tallahassee to get updates on road closures and other emergency notifications. Gerry noted that to work with ARC, you will need to

have a class with the Red Cross before you can be a volunteer to provide damage assessment after a storm. Don't self-deploy.

#### **Business Meeting:**

Treasurer's Report: Doug, KD4MOJ, stated that report was published in newsletter, 2 new members, no expenses. Treasure's report was approved.

Visitors: Stuart, KO4ZGH, Ham for 2 months. And Tony, KO4TDF.

Education: Phil, N4IPH – Phil said that we will not have a class at the end of May 2022. Phil has not received any email requesting the class. YouTube and Internet have most of the information. We will postpone the currently planned class, maybe do a class for students at Maclay School and maybe in the fall depending on interest from email and from Field Day.

Testing: Norm, K4GFD this Saturday at 10AM, 5 or 6 but no pre-registrations. We may not require pre-registration for testing anymore. After the test, you still need to pay the \$35 fee to the FCC. There are now delays in getting the licenses due to the problems with FCC processing. No one is sure when the new system will be operational.

Repeaters: Randy said that we do have a backup. There is a new backup power supply for the 91-repeater. All seems to be working well. The 91-repeater had one bad connection, there is no back up battery, they have generator back up power on site.

#### **Old Business:**

Phil, N4IPH – looking for a program presenter in July or we could do a hotwash for Field Day. The plan now is for the July 2022 meeting to be a review / debrief for Field Day and any suggested changes for Summer 2023. There will be an education table set up for interested people on Field Day. Tom will present on trunk radio systems in either September (or maybe August)

Field Day, Jerry, N4JL, we are still looking for a power generator. We may have to get a rental. Ideally one large capacity (quiet) but we may have to use two smaller generators. We will operate two stations, one for CW and one for phone (SSB). More details will be provided in May and June. We may try to get some of the antenna set up completed on Friday evening.

Gerry, auction will be this Saturday, 5/7 viewing at 1pm, sales at 2pm, cash only.

New business: ARRL is issuing grants for local Ham clubs. We could apply for an ARRL grant to purchase a club generator. Board could meet to determine possible use for grant applications. Applications are due in late June / early July. Gerry also stated that the MARS weekend is coming up with activities and he will send out the information via email.

Meeting was adjourned at 2030 hours local time.

## TARS Treasurer's Report for May 2022

Submitted by Doug Ferrell, KD4MOJ, Treasurer

|   | <u>for period</u> | <u>year-to-date</u> |
|---|-------------------|---------------------|
| <b><u>Beginning Balances:</u></b>             | 25-May-22         | 1-Jan-22            |
| Cash on hand                                  | \$ 104.00         | \$ 33.00            |
| Checking Account:                             | \$ 6,029.98       | \$ 5,224.09         |
| Savings Account:                              | \$ 3,105.01       | \$ 3,104.62         |
| Total:  | \$ 9,238.99       | \$ 8,361.71         |
| <br>  |                   |                     |
| <b><u>Summary of Month's Activity:</u></b>    |                   |                     |
| Total Receipts:                               | \$ 99.00          | \$ 1,203.42         |
| Total Expenditures:                           | \$ -              | \$ 298.14           |
| <br>  |                   |                     |
| <b><u>Receipts Derived From:</u></b>          |                   |                     |
| Members Dues:                                 | \$ 40.00          | \$ 685.00           |
| Fifty/Fifty*                                  | \$ 41.00          | \$ 141.00           |
| Donation                                      | \$ 18.00          | \$ 320.00           |
| Red Cross Donation                            | \$ -              | \$ -                |
| 2022 Holiday Picnic                           | \$ -              | \$ -                |
| Veteran's Radio Fund                          | \$ -              | \$ -                |
| Field Day Radio Fund                          | \$ -              | \$ -                |
| Interest (Savings)                            | \$ -              | \$ 0.39             |
| smile.amazon.com                              | \$ -              | \$ 37.03            |
| Equipment sales                               | \$ -              | \$ 20.00            |
| Total   | \$ 99.00          | \$ 1,203.42         |
| <br>  |                   |                     |
| <b><u>Expenditures:</u></b>                   |                   |                     |
| American Red Cross:                           | \$ -              | \$ -                |
| Fifty-Fifty                                   | \$ -              | \$ -                |
| ARRL Insurance                                | \$ -              | \$ -                |
| Spagetti 100 - TARC                           | \$ -              | \$ -                |
| TARS & Feathers Plaque                        | \$ -              | \$ -                |
| Storage & Supplies                            | \$ -              | \$ -                |
| Field Day                                     | \$ -              | \$ -                |
| VE Expenses *                                 | \$ -              | \$ 32.89            |
| Tower/Repeater Maintenance AG4UU              | \$ -              | \$ -                |
| Florida Dept of State                         | \$ -              | \$ 61.25            |
| Post Office Box:                              | \$ -              | \$ 204.00           |
| Misc. 2022 Holiday Lunch                      | \$ -              | \$ -                |
| Total:  | \$ -              | \$ 298.14           |
| <br>  |                   |                     |
| <b>Transfer Checking -&gt; Savings:</b>       |                   |                     |
| <br>  |                   |                     |
| <b><u>Ending Balances - May 25, 2022:</u></b> |                   |                     |
| Cash on hand                                  | \$ 104.00         | \$ 104.00           |
| Checking Account                              | \$ 6,128.98       | \$ 6,128.98         |
| Savings Account                               | \$ 3,105.01       | \$ 3,105.01         |
| Total   | \$ 9,337.99       | \$ 9,337.99         |
| <br>  |                   |                     |
| *Veteran's Radio Fund                         |                   | \$ 500.00           |
| *Field Day Radio Fund                         |                   | \$ 697.00           |

## LOCAL AMATEUR RADIO NET

| NET   | TIME  | QSY                              |
|---|---|----------------------------------|
| North Florida Amateur Radio Emergency Communications Net              | Daily @ 9:00 AM EST except Sunday's                       | 3950 kHz                         |
| Capital District EmComm Training Net                                  | Sunday @ 7:30 PM EST                                      | 147.030 MHz, K4TLH               |
| Capital District ARES Net   | Sunday @ 8:00 PM EST                                      | 147.030 MHz, K4TLH               |
| Leon County ARES net  | Tuesday @ 8:15 ET   | 147.030 MHz, K4TLH               |
| Florida Phone Traffic Net   | Daily @ 6:55 AM EST                                       | 3940 kHz                         |
| Florida Midday Traffic Net  | Daily @ Noon EST  | 7242 kHz                         |
| North Florida Phone Net   | Daily @ 7:30 PM EST                                       | 3950 kHz                         |
| TARS News and Info Net  | Thursday @ 8:00 PM EST                                    | 146.910 MHz, K4TLH               |
| Kid's Net   | Tuesday @ 8:00 PM EST                                     | 145.170 MHz, KE4URL - 600, 141.3 |
| Jefferson County Net  | Monday @ 8:00 PM EST                                      | 145.430 MHz, WX4JEF, 94.8        |
| The Morning Drive-Time and Welfare Net (Informal Check-In / Rag Chew) | Mon-Fri @ 7:30 - 9:00 AM EST                              | 147.030 MHz, K4TLH + 600, 94.8   |
| Southwest Georgia HF Weather Net                                      | Third Thursday @ 7:30 PM EST(or following GA SSB Net)     | WX4TAE, 3975 kHz (+/-)           |
| SKYWARN Net   | First Sunday @ 7:30 PM EST                                | WX4TAE, 3810 kHz (+/-)           |
| Navy Amateur Radio Net  | Daily, 0700-0900 Eastern                                  | 7245 kHz                         |
| Worldwide DMR-MARC Net  | Saturdays @ 1600 UTC in Summer, 1700 UTC in Winter months | Worldwide Talkgroup (1)          |
| Florida D-STAR Net  | Thursday @ 9:00PM Eastern                                 | D-Star REF046C                   |
| North Florida Digital Net   | Sunday @ 7:00 PM ET                                       | 3590 KHz PSK-31                  |
| Madison ARES Net  | Sunday @ 2100 Eastern                                     | 145.190 PL 123                   |
| Taylor County Amateur Radio Club Net                                  | Sunday @ 1900 Eastern                                     | 145.350 PL 123.0                 |
| Wakulla County Weekly Monday night net.                               | Monday @ 1930 Eastern                                     | 145.450 MHz K4WAK                |



## SKYWARN

The first Sunday of every month, we have a special ARES/SKYWARN net. At 1930 hours EST, the net starts on 75 meters, on or near 3810 KHz (+/- for QRM). After check-in on this initial frequency, operators attempt to trade RST reports with WX4TAE. After check-ins on 75 m the net moves to 40 m around 7245 KHz (+/- for QRM), and picks up the roundtable there. At 2000 hours EST, the regular weekly Capital District ARES net meets on 147.030 MHz, and we are joined by station WX4TAE, at the National Weather Service Office in Tallahassee. During the first portion of this net, one of the staff meteorologists joins us on the air and provides a retrospective of the previous month's weather patterns, a brief forecast of what we might expect for the coming month and season, and also takes specific questions from stations whom have checked in to the net. Please join us for these very informative ARES/SKYWARN nets – the first Sunday of every month.

The most current repeater list is available on the TARS website: [www.k4tlh.net/repeaters](http://www.k4tlh.net/repeaters)  
 For SARnet information see: [www.sarnetfl.com](http://www.sarnetfl.com)

| Location      | County    | Call Sign | Backup Power | Digital Mode | Output Freq | PL    | Special Configuration                              | Height ft. |
|---------------|-----------|-----------|--------------|--------------|-------------|-------|--|------------|
| Crawfordville | Wakulla   | K4WAK     | No           |              | 145.450 -   | 94.8  |  | 300        |
| Crawfordville | Wakulla   | KB5IKR    | Yes          | Fusion       | 444.450 +   | 94.8  | Yaesu System Fusion C4FM WIREX Connected (Auto)    | 400        |
| Crawfordville | Wakulla   |           |              | Fusion       | 442.850 +   | 94.8  | Yaesu System Fusion (Auto)                         |            |
| Greensboro    | Gadsden   | NX4DN     |              | Fusion       | 147.390 +   | 94.8  | Yaesu System Fusion DCS 023 WIREX Connected (Auto) | 300        |
| Greensboro    | Gadsden   | NX4DN     |              | NXDN         | 444.125 +   | 94.8  | NXDN World Wide Network                            | 300        |
| Monticello    | Jefferson | WX4JEF    | No           |              | 145.430 -   | 94.8  |  | 270        |
| Quincy        | Gadsden   | W4EAF     | Yes          |              | 147.165+    | 94.8  |  | 250        |
| Tallahassee   | Leon      | AE4S      | Yes          | P-25         | 146.655 -   | 94.8  |  | 550        |
| Tallahassee   | Leon      | N4PG      | Yes          |              | 146.610 -   | 203.5 |  | 200        |
| Tallahassee   | Leon      | K4TLH     | Yes          | P-25         | 146.910 -   | 94.8  | Temp TARS Talk-In                                  | 375        |
| Tallahassee   | Leon      | K4TLH     | Yes          |              | 147.030 +   | 94.8  |  | 750        |
| Tallahassee   | Leon      | KA4EOC    | Yes          |              | 147.285 +   | 94.8  |  | 350        |
| Tallahassee   | Leon      | K4TLH     | Yes          |              | 442.100 +   | 94.8  | Statewide Amateur Radio Net (SARnet) See Next Page | 600        |
| Tallahassee   | Leon      | K4TLH     | No           |              | 442.850 +   | 94.8  |  | 275        |
| Tallahassee   | Leon      | KJ4G      | Yes          |              | 443.400 +   | 131.8 | Host of Echolink Node #3950                        | 575        |
| Tallahassee   | Leon      |           |              | Fusion       | 444.800 +   | 94.8  | Yaesu System Fusion (Auto)                         |            |
| Tallahassee   | Leon      | AE4S      | Yes          | P-25         | 443.950 +   | 94.8  |  | 550        |
| Tallahassee   | Leon      | N4NKV     | Yes          |              | 444.400 +   | 131.8 | NXDN World Wide Network                            | CRMC (200) |
| Tallahassee   | Leon      | KD4MOJ    | Yes          |              | 444.000 +   | 94.8  |  | TMH (200)  |
| Tallahassee   | Leon      | NX4DN     |              | NXDN         | 444.175 +   | 94.8  | NXDN World Wide Network                            | 175        |
| Tallahassee   | Leon      | NF4DG     | Yes          | D-Star       | 146.835 -   | DV    |  | 180        |
| Tallahassee   | Leon      | NF4DG     | Yes          | D-Star       | 443.450 +   | DV    |  | 180        |
| Tallahassee   | Leon      | NF4DG     | Yes          | D-Star       | 1293 -      | DV    |  | 180        |
| Tallahassee   | Leon      | NF4DG     | Yes          | D-Star       | 1253        | DD    |  | 180        |
| Wacissa       | Jefferson | K4TLH     | No           |              | 147.000     | 94.8  |  | 300        |
| Wacissa       | Jefferson |           |              | Fusion       | 444.050 +   | 94.8  | Yaesu System Fusion (Auto)                         |            |
| Thomasville   | Thomas    |           |              |              | 145.370 -   | 141.3 |  |            |
| Thomasville   | Thomas    |           |              |              | 442.600 +   | 141.3 |  |            |
| Reno          | Grady     | KE4URL    | Yes          |              | 145.170 -   | 141.3 |  | 600        |





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 Tallahassee, FL 32315

# Tallahassee Amateur Radio Society

## New Membership / Renewal Form

Updated 09/16/20/21

This form can be used for new members or for renewals.

**Membership Status:**

- **Individual**; Single member; full voting privileges.
- **Family**; Single member, plus participating family members residing at the same address; all members have full voting privileges. Complete a form for each member.
- **Student**; Free for students (elementary school through college) with ID; all rights and privileges except voting.
- **Introductory**; Free until the end of year (next year for November) for anyone who passed Amateur Licensing Exam facilitated by TARS; all rights and privileges except voting.

For renewals, if **no** personal information has changed, merely complete the form with your name, call, indicate your member type and ARRL membership status and make payment to TARS.

You must be a licensed Amateur Radio operator to *join the Society*; however, any non-licensed radio enthusiast may attend the TARS business meetings and functions. Membership dues for the Tallahassee Amateur Radio Society are only **\$20 per individual or family** (complete a form for each family member.) **Students** (with valid ID) **can join for free!**

TARS is a “not-for-profit” organization and dues are used to help defray the cost of repeater maintenance and TARS events. Most of TARS’s revenue is derived from donations, which are gladly accepted.

Please make your dues check payable to the **Tallahassee Amateur Radio Society** (or **TARS**). Bring your check (or cash) along with the completed form provided below (including e-mail address please) to the next monthly TARS business meeting and give it to the Treasurer - or mail your check and completed form to:

**Tallahassee Amateur Radio Society, C/O Treasurer, P. O. Box 37127, Tallahassee, FL, 32315**

|   |  |   |                       |
|---|--|---|-----------------------|
| <b>Name:</b>  |  | <b>Call Sign:</b>   |                       |
| <b>Address:</b>   |  |   |                       |
|   |  |   | <b>Date:</b> / / 20__ |
| <b>City:</b>  |  | <b>State:</b>   | <b>Zip:</b> -         |
| <b>Member Type:</b> <input type="checkbox"/> Individual <input type="checkbox"/> Family <input type="checkbox"/> Student <input type="checkbox"/> Introductory (Check One)                  |  |   |                       |
| <b>Home Phone:</b> ( ) -  |  | <b>Work Phone:</b> ( ) -  |                       |
| <b>Cell Phone:</b> ( ) -  |  |   |                       |
| <b>E-Mail Address:</b>  |  |   |                       |
| <b>ARRL Member:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No  |  | <b>“Elmer”:</b> <input type="checkbox"/> I would like a ham mentor <input type="checkbox"/> I can be a ham mentor |                       |
| <b>Interests:</b> <input type="checkbox"/> EmComm <input type="checkbox"/> Contest <input type="checkbox"/> Phone <input type="checkbox"/> Digital <input type="checkbox"/> CW Other: _____ |  |   |                       |