

The Printed Circuit

The Monthly Publication of the
Tallahassee Amateur Radio Society

March, 2022



TALLAHASSEE
AMATEUR
RADIO
SOCIETY



K4TLH
.NET

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K4TLH

P.O. Box 37127
Tallahassee, FL 32315



TARS Officers

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

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	Paul Eugenio	K00KE
Server Administrator	Don Pace	KK4SIH

MINUTES of the March 2022 TARS Meeting

7pm on March 3, 2022

American Red Cross Building, Tallahassee, FL

Attending the Meeting:

Bob, NT4B

Steve, AD4E

Austin

Sal, K4YFW

Sam, KO4VAY

Gerry, WA6POZ

Alan, N4KGT

Don, KK4SIH

Norm, K4GFD

Bill, KF4KHJ

Phil, N4IPH

Richard, KM4BRR

Jack KC4EMS

Chief, KA5USN

Mike K4CRO

Doug, KD4MOJ

Adrienne, KO4UMY

Stan, K4SBZ

Garrett, KO4KKX

John, KD5OTJ

Todd, KN4FCC

Alan (N4KGT) opened the meeting at 7PM with the pledge of allegiance.

Approval of the Minutes -- no objections to the meeting minutes.

Visitors: Austin, new to radio, wish him luck. Mike, K4CRO, Crawfordville.

Program:

Tonight's program on the Military Auxiliary Radio Service (MARS) by Bill Pfof, N4APG, web site is <https://netcom.army.mil>. Both Army and Air Force have a MARS radio service. There are standards of performance. Is also fun, but requires a commitment. MARS in year number 97 of existence. Bill Sexton wrote a book on Army Mars, called "Army MARS at go". MARS supports DOD communications at the

behest of the service that requests support. Netcom is the host for MARS. The MARS application is on the website provided above. Two federal agencies control spectrum use – FCC and NTIA (federal agency comms). RACES is controlled by the state, see http://www.arrl.org/*races.....

Florida is an AUXCOMM state. In emergencies, DOD and MARS work with AUXCOM entities. The 60m band has 5 channels, MARS members use government call signs. There is one “rally channel” and then four working channels. Gov stations use their government call signs; hams use their FCC assigned call signs. MARS has 10 regions and FL is the region in the southeastern US. Information passed includes news, internet availability, power availability, road conditions, fuel and hotel availability, airport weather. FL uses SARNET to get this information on UHF and 60 meters. MARS has 4 annual exercises, called “bad day” exercises. Operate on emergency power and simulate a bad day. Some exercises are international. QRPX exercises are done with military portal stations and exchange digital information with as many stations as possible. MARS resources can also train military soldiers in antennas and radio equipment. MARS uses type 3 encryption to send and receive data.

Membership requires a background check and non-disclosure agreement. There are annual performance standards in computer literacy, HF radio capability, demonstrated skills (such as net control). These standards are certified each year. You will need an antenna that operates 2 to 30 MHz, a fast and reliable computer, a radio (JITC certification is nice, but not required), and ALE capability (necessary for higher-level roles, but not required) – allows you to move to appropriate frequencies depending on time of day, conditions. Many use Icom and Kenwood radios, with built in sound cards and programable memories. Also need a Windows OS machine, MS Office, MSC Suite (from MARS), and a hardware modem. More information at www.usarmymars.org. Application is a centralized process.

There was a question-and-answer period following the presentation.

Gerry stated that as of March 31, the American Red Cross will no longer require vaccinated people to wear masks inside the building.

Alan said that a group went to storage unit and there is nothing worth keeping. There are 3 laptops that belong to club. One of the 3 was bad, so Alan pulled parts and there are 2 laptops now that are working – Dell 820s. Both have Windows 10 and run well. Offered for \$10. Two members purchased the two laptop computers.

Committee Reports

Treasury (Doug, KD4MOJ): Doug stated that the report was published in the newsletter, we had 9 renewals, and \$32 from the 50/50 drawing and \$250 from the Spaghetti 100 bike event.

Education (Phil, N4IPH): Phil said that he is checking the class TARS email address and looking for a tech class, maybe with some students from MacKlay school. Phil will need to update the slides for the class. Should have the class scheduled by the next TARS meeting, maybe May or June 2022.

Testing (Norm, K4GFD): 7 people signed up for testing this weekend.

Repeaters (Randy, AG4UU): 147.03 MHz was scratchy last Sunday. Randy will look at PMs on the 03 machine. Everything else seems to be working fine. Stan mentioned that the ARRL has responded to a request for fees that may be associated with fees to amateur stations on National Forest System land.

Old Business:

Field Day: Jerry said that we have a phone station captain and maybe a CW station captain. We are challenged relative to antenna systems. We will try to figure out something, FDLE will probably not provide their motorized tower and a generator as they did last year. We are looking for someone with a generator that can be used as part of field day. Randy said he had access to some people with other supports that may be available to use for field day. Maybe not as nice as last year, but with some work we can get these antennas in the air. More information will be available soon and a question of how to lay these antennas out at Tom Brown Park. We also need an RV to host the phone station. So we are looking for at least 2 RVs, with CW in one RV and phone in a separate station. There will need to be some work to determine the best set up for antennas. Phil (KASUSN) will talk to the new contact at the City of Tallahassee regarding the application for having a reservation for FD at TBP. By April meeting, we will need to get more serious with the planning. Suggestions may be provided to Jerry. We may also think about improving the food at the event.

Todd gave updates on TLH marathon and Havana Hills races.

Mag lab has not yet determined if they are having an open house in 2022.

No New Business.

Reenactment at Natural Bridge is this weekend (March 4 – 6).

Meeting ended at 8:40 pm.



June 25-26



TARS Treasurer's Report				
Submitted by Doug Ferrell, KD4MOJ, Treasurer				
			<u>for period</u>	<u>year-to-date</u>
	Beginning Balances:		26-Mar-22	1-Jan-22
	Cash on hand	\$	104.00	\$ 33.00
	Checking Account:	\$	5,878.84	\$ 5,224.09
	Savings Account:	\$	3,104.62	\$ 3,104.62
	Total:	\$	9,087.46	\$ 8,361.71
Summary of Month's Activity:				
	Total Receipts:	\$	144.03	\$ 1,064.03
	Total Expenditures:	\$	32.89	\$ 298.14
Receipts Derived From:				
	Members Dues:	\$	60.00	\$ 605.00
	Fifty/Fifty	\$	27.00	\$ 82.00
	Donation *	\$	-	\$ 320.00
	Red Cross Donation	\$	-	\$ -
	2022 Holiday Picnic	\$	-	\$ -
	Veteran's Radio Fund	\$	-	\$ -
	Field Day Radio Fund	\$	-	\$ -
	Interest (Savings)	\$	-	\$ -
	smile.amazon.com	\$	37.03	\$ 37.03
	Equipment sales	\$	20.00	\$ 20.00
	Total	\$	144.03	\$ 1,064.03
Expenditures:				
	American Red Cross:	\$	-	\$ -
	Fifty-Fifty	\$	-	\$ -
	ARRL Insurance	\$	-	\$ -
	Spagetti 100 - TARC	\$	-	\$ -
	TARS & Feathers Plaque	\$	-	\$ -
	Storage & Supplies	\$	-	\$ -
	Field Day	\$	-	\$ -
	VE Expenses *	\$	32.89	\$ 32.89
	Tower/Repeater Maintenance AG4UU	\$	-	\$ -
	Florida Dept of State	\$	-	\$ 61.25
	Post Office Box:	\$	-	\$ 204.00
	Misc. 2022 Holiday Lunch	\$	-	\$ -
	Total:	\$	32.89	\$ 298.14
Transfer Checking -> Savings:				
Ending Balances - March 26, 2022:				
	Cash on hand	\$	104.00	\$ 104.00
	Checking Account	\$	5,989.98	\$ 5,989.98
	Savings Account	\$	3,104.62	\$ 3,104.62
	Total	\$	9,198.60	\$ 9,198.60
	*Veteran's Radio Fund			\$ 500.00
	*Field Day Radio Fund			\$ 697.00
*Black Ink Cartridge for Testing Session				

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
 For SARnet information see: 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 823 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 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

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