



On Tuesday, 15 October 2024 at 1900 hours local, Mark, WA5MA, called to order the meeting of the Tulsa Amateur Radio Club in Room-3140 of Keplinger Hall at the University of Tulsa. See a copy of the agenda below left.

**TARC Weekly Net**  
Tuesdays 8 PM on  
the  
Superlink System  
WSJAS.com

**TARC Monthly Meeting**  
Third Tuesday 7 PM  
WSJAS.com

**Tulsa Amateur Radio Club - Meeting Agenda**  
October 15th 2024 7:00 PM / Tulsa University Keplinger Hall Room 3140

**TARC Club Officers**  
 President - Mark WASMA  
 1<sup>st</sup> Vice President - Jack W5IHC  
 2<sup>nd</sup> Vice President - Ky K5SVAR  
 Secretary - Andrew W5AWS  
 Treasurer - Jerry KE5PMK  
 Public Service Liaison - Bart N5TWB  
 Repeater Trustee - Gregg W5GGW  
 Newsletter - Richie W5OKL  
 ARES Emergency Coordinator Tulsa County - Paul W5SANK

**Business**  
 Approve September meeting minutes - Mark WASMA  
 Approve September financials - Mark WASMA  
 Update on GoFundMe account  
 Update - Simulated Emergency Test Paul W5SANK  
 Update on Constitution and Bylaws changes  
 Repeater Challenge - Have you heard more activity on the Superlink? Have you been on the repeater?  
 Tulsa Amateur Radio Club's 100 Year Anniversary - December 10<sup>th</sup> TI Amo's Restaurant 6 - 9 PM  
 Planning Committee: Steve K5VCO, Robert K5WDD, Ray K5CFY, Remell KA6DOY.  
 TARC apparel, etc. - Robert K5WDD

**Presentation**  
 Superlink Repeater System - Bob W5RAB, Paul W5SANK

**If severe weather is forecast for Northeast Oklahoma...**  
 If severe weather is in the forecast, please monitor the WXSTUL Skywarn Net on the Superlink System.  
 Go to [WSJAS.com](http://WSJAS.com) for Superlink frequencies in your area. Check-in and give a report.  
 NEW - Wednesdays - National Weather Service radio test on the Superlink System.

**Upcoming meetings and events...**  
 Ardmore Hamfest - October 26th  
 TARC Tech Night November 5 - Cancelled (Voting day)  
 Next TARC Monthly Meeting, November 19<sup>th</sup> Room 3140

**Adjourn - Be safe, Be a good friend, Get on the air!**  
 Mark WASMA  
 President - Tulsa Amateur Radio Club

20241015—Tulsa Amateur Radio Club Meeting Attendance Register			
Name	Call-sign	Name	Call-sign
1 ANDREW	W5AWS	34 STEVE	K5VCO
2 MARK	W5MA		
3 IAN	K5THI		
4 ROBERT	K15WDD		
5 JAMES	K15DAZ		
6 CHUCK	K5NBA		
7 LOGAN	K5EDE		
8 RAY	K5CFY		
9 PAUL	KE5EHM		
10 DAVID	K5TZS		
11 GARY	KK7HR		
12 GREG	A15HV		
13 PAUL	WB5ANX		
14 ED	W1PN		
15 SUE	KG5PDB		
16 DARYL	W5NYT		
17 DEBBIE	K5DBE		
18 SAM	K5BJR		
19 BOBBY	K15CLW		
20 DAVID	N5DMK		
21 JEFF	AE5ME		
22 ROY	W5FP		
23 CURTIS	K5CFQ		
24 BOB	WRAB		
25 MIKE	W5TXX		
26 SCOTT	K5VW		
27 GREGG	W5GGW		
28 MIKE	K15ZG		
29 ROBBY	WRML		
30 CJ	W5CJ		
31 RICHARD	WB5IQS		
32 RICHIE	W5OKL		
33 MIKE	K5YKM		

## 1 Attendance

Thirty-four hams added their names to the attendance register, a copy of which is reproduced above right.

## 2 Introductions

WA5MA introduced the club officers present: Secretary Andrew, W5AWS; Treasurer Jerry, KE5PMK; Newsletter editor Richie, W5OKL; Quartermaster Paul, KE5EHM; ARES coordinator for Tulsa County, Paul, WB5ANX; TARC Merchandise Coordinator, Robert, KI5WDD; and Gregg, W5GGW, Trustee.

## 3 Business

WA5MA asked for round-robin introductions from the attendees.

### 3.1 Newsletter

WA5MA asked whether anyone present hadn't received the newsletter: One person, Sue, KG5PDB, hadn't received it as a non-member; later in the meeting, KG5PDB joined the club by meeting with KE5PMK who is the membership-committee person and treasurer authorized to receive membership dues.



### 3.2 Minutes

WA5MA asked for any questions or comments about the minutes of the July meeting as published in the newsletter. Nothing heard. Gregg, W5GGW, moved to approve the minutes as written; Greg, AI5HV, seconded; members approved the minutes by acclamation.

### 3.3 Financials

WA5MA asked whether there were any questions about the financial reports as published in the newsletter. Nothing heard.

WA5MA asked the Treasurer, KE5PMK, for any comment on the financial status.

Jerry, KE5PMK, said that the Go Fund Me campaign now has a balance of \$1,000; there is also \$20 in the sinking fund.

WA5MA asked for a motion to approve the financial reports. Ed, W1PN, moved to approve the financial reports; Paul, KE5EHM, seconded; and the members present passed the motion by acclamation.

### 3.4 Go Fund Me Campaign

WA5MA asked Ian, KC9THI, to talk about the new Go Fund Me campaign.

KC9THI said that we initiated the campaign to help our financial condition recover from the expense of replacing the 145.170 MHz repeater antenna and to create a Sinking Fund to cover any unbudgeted capital expenses. Our Go Fund Me objective is \$15,000, of which it has raised \$1,000 thus far.

Treasurer Jerry, KE5PMK, interjected that we would use \$3,500 of the Go Fund Me money to replenish the free cash we used to pay the 145.170 repeater tower climbers; the remaining balance of the fund will be sequestered in our new Sinking Fund.

KC9THI requested that we spread the word among our Ham acquaintances to help us reach our goal with this link:

<https://www.gofundme.com/f/ensure-tarcs-lifesaving-services-continue>

KC9THI relinquished the floor to WA5MA.

### 3.5 ARES SET

WA5MA asked Paul, WB5ANX to talk about the Amateur Radio Emergency Service Simulated Emergency Test, that happened on Saturday, October 5<sup>th</sup> 2024, from 0900 hrs until Noon, a national test, when we exercised use of a Resource Net to which all participants checked-in; then exercised frequency agility by following instructions from net control; we activated the hospital net, and practiced Winlink messaging.

WB5ANX recognized James, KI5DAZ, who was the hospital-net Net Control Operator (NCO); Bart, N5TWB, who was the staging NCO; Ian, KC9THI, who was the operations NCO; and Jeff, AE5ME, who managed Winlink and all things digital.



The exercise was a simulated straight-line wind that turned into a tornado warning in Rogers County. Each of seven hospitals had an Amateur Radio operator working dedicated stations. Four hundred messages passed via Winlink. We connected with operators in the Philippines and Germany. There were twenty-two participants via radio and seventeen via digital voice on DMR and Yaesu Fusion. We interacted with the Emergency Operations Coordinator (EOC) in Norman, Oklahoma.

WB5ANX said that the SET was a success and that we practice so that we know what to do in a real emergency. It is continuation training to keep our skills sharp and ready to go.

WB5ANX yielded the floor to WA5MA.

### 3.6 Club Bylaws

WA5MA asked Steve, KF5VCQ, chairman of the club bylaws review committee, to report on its activity.

KF5VCQ said that the State of Oklahoma has no requirement for organizations like ours to have either a constitution or bylaws. However, the State does recommend that any such organization adopt bylaws.

With this in mind, KF5VCQ said that the committee decided to merge the existing constitution and bylaws into a single set of bylaws.

KF5VCQ said that we must have the bylaws ready for the club to vote upon by the November meeting, after which we can then vote in a new slate of officers. Between now and the next meeting, the committee will present the new bylaws for review by the President then, assuming the President approves, present them to the club membership for review.

KF5VCQ said that the existing constitution and bylaws require a two-thirds majority vote of the paid membership to adopt any amendment. Currently, the membership stands at 195, which means we need 129 members to vote in favor of passage, which will never happen at an in-person meeting that averages forty attendees.

KF5VCQ said that the committee's plan is to distribute the new bylaws to the membership by email and put them on the web-site.

CJ, WW0CJ, interjected that he would investigate putting a voting mechanism on the web-site.

Greg, AI5HV, interjected that we need default approval otherwise we may never receive sufficient participation of the membership to determine outcome of the vote.

Someone else interjected that we should put the email distribution in the BCC field of the email to prevent multiple reply-alls when a plain reply to sender is all that is needed.

We talked about presenting the new bylaws via email with the caveat that no response from the addressee by a deadline will constitute a vote in favor of adoption. We are a small club and this isn't a national election, nor is it Australia



where voting is mandatory; all we can do is demonstrate due diligence by giving the membership ample opportunity to express a preference.

### 3.7 Superlink Repeater Presentation

WA5MA invited Bob, W5RAB, to give his presentation on the working of the Superlink repeater system, which is a system of sixteen repeaters around the northeastern part of Oklahoma.

W5RAB said that the repeater system is RF-linked in star configuration with the 443.850 MHz repeater as the hub, There is no Internet connectivity, with everything done by radio.

W5RAB is training Paul, WB5ANX, and David, N5DMK, on the workings and maintenance of the system, replacing aging components of the 443.850 repeater with more modern equipment, including a standby transmitter that can be connected to get the system working again after a failure.

W5RAB said that they had converted everything to run on 12VDC, supplied by three large AGM batteries wired in parallel, charged by a smart charger. When they forgot to plug in the charger, the system ran for nine days before the batteries discharged fully.

Colocated with the antenna of the hub repeater is the antenna of the 145.170 repeater. Both antennas hang from a candelabra five hundred feet up a radio tower near 41<sup>st</sup> & Lynn Lane.

A couple of weeks ago, the club hired tower climbers to replace the 145.170 antenna that had broken in a wind storm to rest against the 443.850 antenna. The new antenna is a commercial-grade unit manufactured by Sinclair. It has improved the coverage of the VHF repeater significantly.

WB5ANX developed a slide presentation that he displayed on the classroom computer monitors for W5RAB to talk to, it included pictures of the maintenance work as it progressed during the course of six hours. It took the tower climbers over an hour to climb five hundred feet to effect the repairs. W5RAB said that the work requires experience and all the necessary permits and insurance and approval from the owners of the tower. We received a very good deal and prompt service.

### 3.8 Repeater Challenge

WA5MA asked whether anyone monitored the Superlink system and answered those making a call, and, from time to time, announce one's call sign and make contact with another operator.

WA5MA encourage members to not only announce their call sign, but also to ask for a signal report.

### 3.9 Club Merchandise

Robert, KI5WDD, has club-branded merchandise for sale. Proceeds from the centenary merchandise sold goes to support the centenary banquet.



### 3.10 Jamboree On The Air (JOTA)

WA5MA read from a text-message he received from Dave, W5PPA, that said JOTA will happen from 0900 to 1500 hours on Saturday 19 October 2024 at the Jack Graves Scout Reservation in Broken Arrow. Talk-in frequency is 145.170 MHz. David, N5DMK, will officiate an ARRL examination for potential scout operators beginning at 1530 hrs. Tony, KI5TRO, is the frequency coordinator. Mike, KG5YKM, present at the meeting, said that he has some Family Radio Service (FRS) handheld radios that he is using to get scouts on the air, and needs operators to converse with scouts via radio, so volunteer if you can.

### 3.11 Miscellaneous Matters

- If severe weather is in the forecast, please monitor the WX5TUL Skywarn Net on the Superlink System. Go to [WSIAS.com](http://WSIAS.com) for Superlink frequencies in your area. Check-in and give a report.
- TARC Exam Session, Saturday, November 23<sup>rd</sup>, 1000 hrs Keplinger Hall Room 3140
- Ardmore Hamfest — October 26<sup>th</sup>
- TARC Tech Night November 5<sup>th</sup> — Cancelled (Voting day)

### 3.12 Florida Hurricane Aftermath

Jeff, AE5ME, said that there will be no local Winlink on HF to help minimize traffic to keep it open for hurricane relief messaging.

### 3.13 Club Badges

These club badges await collection by their owners:

- |                         |                          |
|-------------------------|--------------------------|
| • KI5URK, Larry — paid  | • NJ5Z, John — \$2       |
| • KI5TZG, Ellis — paid  | • KI5HJM, Cameron — paid |
| • WA5ZQG, Rich — paid   | • KI5ZWB, Gabe — \$2     |
| • KG5GJ, Brian — paid   | • KD5DPB, Doug — paid    |
| • KC5BTQ, Lowell — paid | • N5CEL, Curtis — paid   |

## 4 Next Meeting

Our next monthly meeting of the Tulsa Amateur Radio Club is November 19<sup>th</sup> at the University of Tulsa, Keplinger Hall, Room 3140, beginning at 1900 hrs.



## 5 Adjournment

There being no further business, WA5MA called for a motion to adjourn; Paul, K5CFY, made a motion to adjourn; Ian, KC9THI, seconded; motion approved by a general exodus.

Meeting adjourned at 2045 hrs.

Minutes respectfully submitted by  
Andrew, W5AWS, Secretary.

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