




On Tuesday, 20 May 2025 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.


WSIAS.com
Emergency Communications
Weekly Net Tuesdays at 8 PM on the Superlink System
Tech Night - First Tuesday 6:30 PM
Monthly Meeting - Third Tuesday 7 PM

Tulsa Amateur Radio Club - Meeting Agenda
May 20th 2025 7:00 PM / Tulsa University Keplinger Hall Room 3140

TARC Club Officers for 2025
President - Mark WASMA
1st Vice President - Jack W5JHC
2nd Vice President Ky KY5VAR
Secretary - Andrew W5AWS
Treasurer - Jerry KESPMK
Public Service Liaison - Bart N5TWB
Repeater Trustee - Gregg W5GGW
Newsletter - Richie W5DKL
ARES Emergency Coordinator Tulsa County - Paul WB5ANX

Club Business
Approve April meeting minutes - Mark WASMA
Approve April financials - Mark WASMA
Update on Treasury and Sinking Fund, current membership - Jerry KESPMK
Michael Schooling - Tulsa Bicycle Club
Approve Bike Rides, ARES update, Repeater update - Paul WB5ANX
Field Day planning - Jack W5JHC
Member Spotlight, Mag Loop antennas- Ky KY5VAR, Mark KD5SMF
Scouting update - Dave W5PPA
Did you monitor the Skywarn Net yesterday?
What's happening with HamRescue?
Frequency lists (Superlink Repeater System and DMR) on back of agenda
TARC Apparel link on website (Member Corner / Ham Store) - Robert K1SWDD

If you are an ARES member you should be checking into the weekly ARES Net.
ARES Net Thursdays at 8:00 PM - Weeks 1-3 145.170 (PL 88.5) / Weeks 4-5 Superlink Repeater System (PL 88.5).

Current club members pay your TARC dues before June 30th.

Upcoming meetings and events...
TARC Tech Night is June 3rd - Swap and Shop (Clean out your garage of all your un-used ham gear!)
TARC Monthly Meeting, June 17th - Field Day Planning.

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

20250521—Tulsa Amateur Radio Club Meeting Attendance Register			
Name	Call-sign	Name	Call-sign
1 ANDREW	W5AWS	34 JERRY	AC5JH
2 JACK	W5JHC	35 GREGG	W5GGW
3 MARK	W5JHA	36 JEFF	AC5NE
4 BART	N5TWB	37 DARYL	N5NYT
5 JERRY	KE5PMK	38 MARK	KJ5JV
6 JAMES	K1SDAZ	39 MIKE	K8TYN
7 PAUL	WB5ANX	40 HEATHER	K1SLGP
8 ROBERT	K1SWDD	41 CLIFF MURRAY	TULSA BIKE CLUB
9 KENNY	KC5WJE	42	
10 MIKE SCHOOLING	TULSA BIKE CLUB	43	
11 REMELL	K6DDY	44	
12 PAUL	KE5EHM	45	
13 IAN	KC5THI	46	
14 GABE	KJ5JOW	47	
15 JEFFREY	KJ7JTU	48	
16 DAVID	K5TZS	49	
17 ROB	W5RML	50	
18 GREG	A1SHV	51	
19 COREY	KJ5LAM	52	
20 BOBBY	KJ5CLW	53	
21 DENNY	K1SVWF	54	
22 JOHN	KD5RFQ	55	
23 KY	KY5VAR	56	
24 MARK	KD5SNP	57	
25 GARY	KB5L	58	
26 JERRY	K1SRQJ	59	
27 CJ	W0CGJ	60	
28 LINDA	K1SVYF	61	
29 ROY	W5CF	62	
30 BRENT	N5LGL	63	
31 VICKY	N5HQT	64	
32 SAM	KC5BXG	65	
33 CURTIS	K8PCFQ	66	

1 Attendance

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

1.1 Zoom

We streamed video of this meeting to Zoom for those unable to attend in person. You can access the video here:

<https://w5ias.com/2025/05/21/may-meeting-zoom-recording/>

2 Introductions

WA5MA introduced the club officers present: First Vice President Jack, W5JHC; Second Vice President Ky, KY5VAR; Secretary Andrew, W5AWS; Treasurer Jerry, KE5PMK; Repeater Trustee, Gregg, W5GGW; ARES coordinator for Tulsa County, Paul, WB5ANX; and Public Service Liaison, Bart, N5TWB.

2.1 Round-robin

WA5MA initiated a round-robin roll-call of those present in the audience.



3 Business

3.1 Newsletter

WA5MA asked whether any club-member present is not receiving the newsletter: Nothing heard.

3.2 Minutes

WA5MA asked whether there are questions or comments about the minutes of the last meeting as published in the newsletter: nothing heard.

WA5MA asked for a motion to approve the minutes as written. Ky, KY5VAR, moved to approve the minutes as written.

WA5MA asked for a second. Mark, KD5SMF, seconded the motion. Motion approved by acclamation.

3.3 Financials

WA5MA asked whether there were any questions or comments about the January and February financial reports.

Treasurer Jerry, KE5PMK, said the sinking fund now stands at approximately \$6k; the general fund balance is \$7,100. Currently, 176 members have renewed their membership of the club; 73 members remain to either renew by Field Day or be dropped from the membership roster.

KE5PMK reported that we have several out-of-state club members in Arkansas, Wyoming, and Nebraska.

3.3.1 Testing Fund

For several years we maintained a separate testing fund that has remained unused except when we purchased five Baofang handheld transceivers as promotional gifts to newly licensed operators under the age of eighteen.

Treasurer KE5PMK solicited club officers via email about abolishing this unused fund, returning the money to the general fund. Club officers unanimously approved the change.

Testing fund is now closed with the money reallocated to the general fund.

3.3.2 Motion to Approve Financials

WA5MA asked for a motion to approve the financial reports; Paul, KE5EHM, so moved; Bart, N5TWB, seconded. Motion approved by acclamation.

3.4 Communications Trailer Storage

Ever since thieves broke into and looted the comms trailer when it was in paid storage, Steve, KF5VCQ, has kept it on his home property where he spent the COVID years completing furnishing and installation of equipment that makes the trailer what it is today.



For some time, we have needed to relieve KF5VCQ of the storage burden and have finally located suitable storage at BattleCreek Storage, 3000 N Aspen Ave, Broken Arrow, OK 74012.

We discussed the pros and cons of paid storage compared with free storage provided by an obliging club member.

We agreed to pay month-by-month for storage of the trailer and rental of a storage unit for equipment at BattleCreek Storage, which gives us the flexibility to move to any free accommodation that becomes available.

Per-month storage cost is \$60 for the trailer, and \$75 for a storage unit, for an annual cost of \$1,620.

Ky, KY5VAR moved that we agree to pay per-month storage cost for the trailer and a storage unit; Daryl, N5NYT seconded. Motion approved by acclamation.

3.5 Bikes, ARES, Repeaters,

WA5MA called upon Paul, WB5ANX, for his reports.

3.5.1 Bikes

Paul, WB5ANX, introduced two guests from the Tulsa Bicycle Club (TBC), Mike Schooling who leads the Tour de Tulsa event and Cliff Murray who is the TBC treasurer responsible for writing the fuel reimbursement checks at the end of the day. WB5ANX said that he wanted the club to hear how much TBC appreciates having Safety And Gear support available during these cycling events.

Mike said that the Tulsa Amateur Radio Club has been a reliable partner with TBC since the year 2000 when the club was on course using mobile telephones to communicate. Mike was hesitant to say so but Jerry, KE5PMK, confirmed that indeed we did use mobile phones during that initial period.

Mike said that cyclists seeing the Tulsa Amateur Radio Club on course gives a comforting sense of security knowing that help is readily available when things go wrong on the highways.

KE5PMK said that Tom Brown of *Tom's Bicycles* was the first shop to provide on-course mechanical assistance during cycling events. For several years, we have provided the on-course mechanics with an Automatic Position Reporting System (APRS), and this year we provided a radio receiver to the mechanics so that they could hear the radio traffic and know what is happening at all times.

Cliff said that while waiting in the comms-trailer command-post to write fuel-reimbursement checks at the end of the day, he was surprised by the amount of radio traffic and level of detail provided by operators around the course, the care and attention to the safety of the cyclists.

Mike asked the number of events we support. WB5ANX said that we support six cycling events each year, and that the Tulsa Tough is the largest two-day event with approximately 1,500 cyclists.

3.5.2 ARES

WB5ANX urged anyone interested in participating with ARES to visit the club website and download the task books: <https://w5ias.com/oklahoma-ares/>. Contact WB5ANX for more information: wb5anx@arrl.net.

3.5.3 Repeaters

WB5ANX said that all the club-owned repeaters are working. However, the Cavanal repeater is not functioning correctly. We are working to contact the owners to find out what's needed to return it to full operation. Meanwhile, if anyone is out towards the east and Fort Smith then check functionality of the repeater.

3.5.4 DMR

WB5ANX said that all the Digital Mobile Radio (DMR) repeaters are working. Repeater frequencies and DMR IDs are listed on the back side of the agenda, and on the Repeater drop-down of the club website.

3.6 Member Spotlight: Mag Loop Antennas

WA5MA invited KY, KY5VAR, to introduce member spotlight.

KY5VAR called upon Andrew, W5AWS, and Mark, KD5SMF.

Andrew, W5AWS, had set up a double small transmitting loop-antenna tuned to the 80 m band, explaining that a mag loop needs no ground plane, has a bi-directional radiation pattern in the plane of the loop, and has a null perpendicular to the loop.

Someone asked how far from the ground the loop should be located. W5AWS said that it should be at least three feet from the ground to prevent the ground from detuning the antenna.

Tuning of the loop is very sensitive to hand capacitance. W5AWS demonstrated remote tuning of the antenna using a NanoVNA.

Someone asked the effect of operating the antenna indoors compared with outside. W5AWS said that the effectiveness of the antenna is better outside than inside, yet he operated PSK31 successfully from inside. Also, W5AWS made a surprising contact on 80 m when W5IAS was operating during Route-66 on the air; the contact happened to be SSB with N5DMK who was calling CQ—it wasn't so surprising when it became clear that N5DMK was located within a mile of W5AWS.

Though W5AWS didn't say so during the meeting, he has operated CW successfully using this antenna from inside his house on 40 m with KI5EGH in Sapulpa, despite S9+ levels of RFI. Operation during the Nervous Novice Nets wasn't as effective because he couldn't hear other stations who happened to be in the direction of the antenna's null.

Mark, KD5SMF, explained that he had been building a mag loop but encountered problems sourcing a suitable air variable capacitor.

- <https://www.orenelliottproducts.com/product-category/air-variable-capacitors/>



KD5SMF explained that the induced voltage in the loop is very high even at low input power from the radio, which means that arcing across the plates of the air variable capacitor is likely when injecting too much RF power. KD5SMF had intended to use his loop with his FT-817 radio. W5AWS suggested that instead of a variable capacitor, frequency agility might be possible with pluggable modules made with disc-ceramic capacitors of various values and sufficiently high working voltage.

KD5SMF and W5AWS yielded the floor to WA5MA.

3.7 Field Day

WA5MA invited Jack, W5JHC to rise and talk about Field Day.

W5JHC delivered a slide presentation showing the status of Field Day planning for 2025. Venue will be at Haikey Creek Park Tri-Plex on the weekend of 28 & 29 June, 2025.

Food will be pizza this year. Relatively inexpensive and easy to provide.

You can indicate your interest in volunteering to support Field Day 2025 by sending email to fieldday@w5ias.com, or RSVP via this link:

- <https://w5ias.com/2025/05/01/field-day-rsvp/>

W5JHC yielded to WA5MA.

3.8 Ham Rescue

WA5MA asked Remell, KA6DOY about Ham Rescue.

KA6DOY said that we still need someone to volunteer to organize Ham Rescue now that Gabe, KI5ZWB, is unable to take the lead.

3.9 Club Apparel

WA5MA asked Robert, KI5WDD, about club apparel.

KI5WDD said that we now fulfill orders for apparel by opening the club shop quarterly. The new system seems to be working well. You can get to the club shop via this link: <https://w5ias.com/adverts/>.

3.10 Swap & Shop

WA5MA said that Tech Night on June 3rd is Swap & Shop. It will be either in Room 3140 of Keplinger Hall at TU or in the parking lot outside.

3.11 Radios for Tulsa Tough

WA5MA asked Bart, N5TWB, to talk about the installation of radios in the rented vehicles provided by Tulsa Tough for use by SAG drivers.

N5TWB said that only a few of the inexpensive 25W mobile radios we purchased for use in rented vehicle continue to work. We now need to replace the defective units with new models.



N5TWB said that we cannot use higher power radios or make modifications to rented vehicles. Therefore, we need radios that can work from LiFePo rechargeable batteries, self-contained in their temporary installation.

N5TWB said that he and WB5ANX has identified a source of five radios with 12Ah batteries and necessary accessories that have a projected cost of \$1,100 and that we need to approve that amount in order for us to support the Tulsa Tough cycling event.

Ky, KY5VAR, said that we should have a budget limit of \$1,200.

WA5MA asked for a motion to approve a budget limit of \$1,200 to supply us with enough radios to support Tulsa Tough. Iain, KC9THI, so moved; KY5VAR seconded; motion approved by acclamation.

Tulsa Tough happens on June 7th & 8th.

3.12 Club Badges

These club badges await collection by their owners:

- KI5UTN, JANIS — paid
- NJ5Z, John — \$2
- KI5TZG, Ellis — paid
- KI5HJM, Cameron — paid
- KI5ZWB, Gabe — \$2
- KC5BTQ, Lowell — paid
- KI5HJR, Bruce — paid

4 Next Meeting

Our next monthly meeting of the Tulsa Amateur Radio Club is June 17th 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; Ky, KY5VAR, made a motion to adjourn; Mark, KD5SMF seconded; motion approved by a general exodus.

Meeting adjourned at 2045 hrs.

Minutes respectfully submitted by
Andrew, W5AWS, Secretary.
