

On Tuesday, 21 July 2026 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.



Weekly Net Tuesdays at 8:00 PM on the Superlink Repeater System

Tech Night—First Tuesday at 7:00PM

TARC Monthly Meeting—Third Tuesday at 7:00 PM

TARC Monthly Meeting Agenda – July 21, 2026

TARC Club Officers for 2026

President - Mark WA5MA
1st Vice President – Jack W5JHC
2nd Vice President Ky KY5VAR
Secretary – Andrew W5AWS
Treasurer - Jerry KE5PMK
Public Service Liaison - Bobby KJ5CLV, Vacant position
Repeater Trustee - Gregg W5GGW
Newsletter – Andrew W5AWS
ARES Emergency Coordinator Tulsa County - Paul WB5ANX

Club Business

Approve June meeting minutes - Mark WA5MA
Approve June financials - Mark WA5MA
Field Day wrap up – Jack W5JHC
Bike ride wrap up - Paul WB5ANX
Repeater update and Controller purchase – Paul WB5ANX
Heckler update
Fox Hunt – John K1RFG
Route 66 on the Air – Daryl N5NYT
13 Colonies Special Event Stations – Did anyone get all 13 + the extra stations?
DMR Hangout – Greg AI5HV
Looking for Public Service Liaison – Mark WA5MA
Ham.Live update and backup logger for David K5TZS
TARC Apparel link on website (Member Corner / Ham Store) – Robert KI5WDD
New Divisions – Information Technology Service Unit, Antenna Installation Team (HamRescue)
Satellite Division - Looking for a satellite team to build a satellite station go box!

Upcoming meetings and events...

TARC Tech Night is August 4th, 7 PM at TU / Audio and Digital, why is everything so different? Gregg W5GGW
TARC Ice Cream Social is August 18th 6 PM at Chandler Park (Pavilion near the water park)
TARC CW Net – Mondays and Thursdays 7 PM on 7.037 +/- QRM
Swap and Shop is 9/1 Tech Night in the parking lot

Adjourn – Be safe, Be a good friend, Get on the air!

Mark WA5MA
President – Tulsa Amateur Radio Club

**The WX5TUL Skywarn Net operates on the Superlink Repeater System.
Frequencies can be found on the w5ias.com website.**

**During severe weather please monitor and report on the Skywarn Net.
Be safe and keep your eye on the sky!**



1 Attendance

Forty-two hams added their names to the attendance register, a copy of which is reproduced below.

20260721—Tulsa Amateur Radio Club Meeting Attendance Register

Name	Call-sign	Name	Call-sign
1 ANDREW	W5AWS	34 JERRY	K3QE
2 MARK	WA5MA	35 TIM	K15ZDF
3 JACK	W5JHC	36 CODY	KJ5JDO
4 JERRY	KE5PMK	37 JEFF	AE5ME
5 ROBERT	K15WDD	38 DAVID	KJ5NPX
6 JAMES	WB6ZNM	39 HAZEL	KJ5NPW
7 BRANDON	K15UGI	40 APRIL	KJ5J1J
8 PAUL	KE5EHM	41 PAUL	WB5ANX
9 KENNY	KC5MJE	42 REMELL	KA6DOY
10 BART	N5TWB	43	
11 GREG	A15HV	44	
12 GABE	K5LDX	45	
13 BOBBY	KJ5CLV	46	
14 DAVID	KJ5UVR	47	
15 JERRY	AC5JM	48	
16 MARY	W5AAM	49	
17 JOHN	K15RFG	50	
18 ROBBY	W5RML	51	
19 DANA SWIFT	PENDING	52	
20 DARYL	N5NYT	53	
21 TOM	KJ5Q0J	54	
22 MARK	KD5SMF	55	
23 SAM	KC5BXG	56	
24 BILL	N5FER	57	
25 BEVERLEY STRADER	PENDING	58	
26 PATRICK	KJ5HJA	59	
27 MIKE	KG5YKM	60	
28 LINDA	K15VYF	61	
29 SAM	KJ5BJR	62	
30 JOHN	N5YOL	63	
31 DAVID	K5TZS	64	
32 DEBBIE	K5DBE	65	
33 ROY	WK5F	66	



2 Introductions

WA5MA introduced the club officers present: 1st Vice President, Jack, W5JHC; Secretary & Newsletter Editor, Andrew, W5AWS; Repeater Trustee, Gregg, W5GGW; Treasurer, Jerry, KE5PMK; Public Service Coordinator, Bobby, KJ5CLV; and ARES Emergency Coordinator for Tulsa County, Paul, WB5ANX.

WA5MA initiated round-robin personal introductions of those present at the meeting.

3 Business

If you were absent the club meeting then you can load the Zoom video recording that Jack, W5JHC, made via this link:

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

3.1 Newsletter

WA5MA asked whether anyone was not getting the newsletter, and whether there were any questions. Everyone present, except the visitors, received the newsletter.

Greg, AI5HV, is the only person who prints and proofreads the newsletter, catching and reporting errors to the editor who is thankful for the service.

AI5HV asked that the month and year appear on the title page to make filing and retrieval of paper from the coffee-table easier.

You can download a copy of the July newsletter via this link:

- <https://w5ias.com/wp-content/uploads/2026/07/July-2026-Newsletter.pdf>

Though the newsletter does print, it is designed for reading electronically. Henceforth, all newsletters will have the month and year appearing in the top left-hand corner of the title page.

In electronic form, the table of contents with the active links to various sections allows the reader to jump to the interesting bits, bypassing the boring boilerplate that appears in every edition.

In the July edition, Daryl, N5NYT, had an interesting article on antennas. Images, charts, and screenshots are easier to see electronically, especially when you increase the magnification of your document viewer.

3.2 Minutes

WA5MA asked for any questions or comments about the minutes of the June meeting. Nothing heard. Bart, N5TWB, moved to approve the minutes as written; Greg, AI5HV, seconded; members approved the minutes by acclamation. You can download a copy of the June minutes via this link:

- <https://w5ias.com/wp-content/uploads/2026/06/20260616-TARC-Meeting-Minutes.pdf>

3.3 Financials

WA5MA asked Treasurer Jerry, KE5PMK, to report on the financials.



KE5PMK said that for all sources, the club has \$11,606 in the bank, after purchase of another Kraken automatic direction-finder; since the Kraken is related to the repeater systems, KE5PMK paid for it with money drawn from the Sinking Fund.

You can see and hear presentation of the financials at the 6' 00" mark of the Zoom recording.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

WA5MA asked for any questions or comments about the Treasurer's report. Nothing heard. Jerry, K3GE, moved to approve the financials report; Cody, KJ5JDO, seconded; members approved the financials by acclamation.

3.4 Field Day Wrap-up

WA5MA asked Jack, W5JHC, to discuss Field Day Wrap-up.

W5JHC exhibited a slide presentation. You can see and hear his presentation at the 10' 05" mark of the Zoom recording.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

According to Zoom AI:

W5JHC highlighted the need to attract more visitors and club members for next year's event through initiatives like a courtesy table with refreshments and social media promotion. The team achieved maximum points in most categories except for youth participation, with an estimated score of 3,739 that still requires final approval.

W5JHC led a discussion about planning for Field Day 2027, proposing to test new operating methods including end-to-end multi-antenna setups and lower power levels for digital modes. The group identified key interference issues from Field Day, particularly between stations using the same bands and close antenna proximity, with W5JHC suggesting solutions like separating digital and CW operations from voice operations and potentially using band filters. W5JHC requested feedback on potential 2027 locations through a non-scientific vote on the website and expressed interest in testing new approaches during Winter Field Day.

3.5 Bike Ride Wrap-up

WA5MA asked Paul, WB5ANX, to summarize the recent biking activities.

You can see and hear WB5ANX at the 31' 30" mark of the Zoom meeting recording.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

WB5ANX reported that the club's support of four cycling events in 2026 totaled over 640 volunteer hours, and announced the upcoming Dam J.A.M. cycling event scheduled for September 12th.

3.6 Repeater Status Report

WB5ANX transitioned from cycling events to a repeater-system status report. You can see and hear what he said at the 34' 51" mark of the Zoom meeting recording.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>



WB5ANX provided updates on repeater maintenance, including restoring the 220 MHz repeater at Big Cabin and the DMR repeater connection to the Internet, as well as the six-meter beacon. Apparently, mice had chewed through the Cat-5e data cable which disconnected the DMR repeater from the Internet.

3.7 Bob Buford, W5RAB <SK>

WB5ANX acknowledged that Saturday, 25 July 2026 is the one-year anniversary of Bob Buford's death, W5RAB <SK>, who was instrumental in the design, construction and support of the Superlink repeater system, including numerous other repeaters around Northeastern Oklahoma.

3.8 Repeater Test Equipment

WB5ANX said that currently when developing and testing repeater controller programming, he develops the program on his computer then drives to a repeater transmission site where he then tests them. It is a very inefficient way of working, costly in time, fuel, and wear on his vehicle. See and hear at the 37' 43" mark of the Zoom recording.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

To improve repeater programming development, WB5ANX said that he wants to acquire another repeater controller with accessories, the same as the ones used at the Superlink Hub site. WB5ANX will use the controller for bench-testing, debugging programming issues, and prototyping new installations.

This is an essential part of repeater maintenance. Not only will bench-testing help with problem diagnosis on 850, this is also associated with expansion of capabilities for the 145.170 repeater. WB5ANX has an idea how to program the expansion, but needs to test it thoroughly before putting it into production without removing anything from the 443.850 repeater to accomplish this work.

A new controller with accessories costs \$620, including shipping. WB5ANX hopes to avoid paying taxes since the club is a 501(c)(3) organization. Manufacturer of the controller is Arcom. These controllers are single-source, which means there are no competing manufacturers from whom to solicit competitive pricing.

WB5ANX said that he will try to buy a used unit, but would like authorization to buy new because newer models have better circuit boards design to support improved audio and controls that don't exist in earlier models.

3.8.1 Motion to Approve Expense

WB5ANX tabled a motion for the club to authorize purchase of an Arcom RC-210 controller with accessories for the expense not to exceed \$650, with the source of funds drawn from the repeater maintenance Sinking Fund.

WA5MA asked for a second: Ben, WB5VST, seconded the motion. WA5MA asked those in favor of the motion to raise their hands; the majority present at the meeting were in favor of the motion. WA5MA asked whether there were any objections: Nothing heard. Motion carried by unanimous consent.



3.9 Heckler Status Report

WA5MA reported status of the illegal hecklers lurking on the various repeater systems. See the 46' 27" mark of the Zoom recording.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

The club now has three Kraken automatic direction finding systems that will allow us to more accurately triangulate the illegal transmissions

3.10 Fox Hunt

WA5MA asked John, K1RFG, to report on the fox hunt, which you can see and hear at the 47' 35" mark of the Zoom recording.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

K1RFG is scheduling the fox hunt for when it is cooler in September or October, and he will tune the fox to the input frequency of a local repeater. Power output of the fox will be 1 Watt. Hunters will hear the fox on the repeater and then search for it by listening to the input frequency.

3.11 Route 66 On The Air

WA5MA asked Daryl, N5NYT, to report on the Route 66 On The Air upcoming event, which you can see and hear at the 54' 19" mark of the Zoom recording.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

N5NYT presented plans for a Route 66 amateur radio event celebrating the 100th anniversary of the highway, which will take place over 10 days in September using multiple bands and modes. The event aims to practice radio operations, support new hams, and encourage participation from local clubs across northeast Oklahoma and potentially within 100 miles of the route.

N5NYT mentioned working with various ham clubs to set up stations and has created an online sign-up system where operators can select their preferred time slots and locations.

- <https://w5ias.com/2026/07/18/route-66-test-sign-up/>

3.12 DMR Hangout

WA5MA asked Greg, AI5HV, for status of Digital Mobile Radio, which you can see and hear at the 1:07:34 mark of the Zoom recording.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

AI5HV presented a comprehensive overview of DMR that including code plugs, different radio models, and network options like Brandmeister and TGIF.

3.13 New Public Liaison

WA5MA reported that we need new public liaison to replace Robert, KI5WDD, who is unable to continue in the role. See and hear what WA5MA said at the 1:23:52 mark of the Zoom video.



- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

3.14 Ham.Live Logging

WA5MA asked David, K5TZS, to report on integration of Ham.Live into the club website. See and hear what K5TZS said at the 1:25:00 mark of the Zoom video.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

3.15 Club Merchandise

WA5MA asked Robert, KI5WDD, to report status of the club shop. See and hear what KI5WDD said at the 1:31:24 mark of the Zoom video.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

The store will be open for any club merchandise from September 1st until 30th.

3.16 New Club Divisions

WA5MA talked about the new club divisions, which you can see and hear about from the 1:32:49 mark of the Zoom video.

- <https://drive.proton.me/urls/C28EF7K28G#m7eX4X1BsRef>

3.17 Upcoming Meetings, Events, Etc.

See the bottom of the agenda and check the club website for all the other ongoing action: <https://w5ias.com/>.

3.18 Next Meeting

WA5MA said that the next in-person meeting will be August 18th at 1800 hrs in the pavilion near the water park at Chandler Park, the occasion is our annual Ice Cream Social.

3.19 Adjournment

WA5MA called for a motion to adjourn: Mark, KD5SMF so moved; Jack, W5JHC seconded; approved by general exodus. Meeting adjourned at 2045 hrs.
