



W5IAS.com

TULSA AMATEUR
RADIO CLUB

Emergency Communications



The W5IAS Transmitter

TARC Officers & Committees

- ◆ **President**
Mark Adams, WA5MA
- ◆ **Second Vice President**
Ky Vargus, KY5VAR
- ◆ **Treasurer**
Jerry Weikel, KE5PMK
- ◆ **Membership Committee**
Jack Conway, W5JHC
- ◆ **Newsletter Editor**
Andrew Shead, W5AWS
- ◆ **Public Service Liaison**
Robert Kerns, KI5WDD
Bobby Hunt, KJ5CLV
- ◆ **Repeater Maintenance**
Paul Teel, WB5ANX
David Kennedy, N5DMK
- ◆ **First Vice President**
Jack Conway, W5JHC
- ◆ **Secretary**
Andrew Shead, W5AWS
- ◆ **Repeater Trustee**
Gregg Wonderly, W5GGW
- ◆ **Club Historian**
Andrew Shead, W5AWS
- ◆ **Webmaster**
Jack Conway, W5JHC
- ◆ **ARES Coordinator Tulsa County**
Paul Teel, WB5ANX
- ◆ **Quartermaster**
Paul Young, KE5EHM

TARC Weekly Net

Tuesdays at 8:00 PM on the Superlink System

<https://w5ias.com/repeater-systems/>

In Tulsa tune to 443.850 MHz 88.5 PL, or listen online via Broadcastify

<https://www.broadcastify.com/listen/feed/43986>

TARC Tech Night

1st Tuesday of the month at 7:00 PM

TARC Monthly Meeting

3rd Tuesday of the month at 7:00 PM

All meetings are at Tulsa University

Keplinger Hall Room 3140

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September Meeting

You can find the minutes of our September 2026 meeting here:

- <https://w5ias.com/wp-content/uploads/2026/09/20260915-TARC-Meeting-Minutes.pdf>

Route-66 On The Air

—Daryl, N5NYT

We had a great turnout and improved scores this year. There were 20 participants, some were members of W5IAS, some regular non-members and some new names in the list. You'll find the participant list below.

The Total Number of Contacts is up almost a thousand more than last year—good show everyone. The summer heat made it unattractive to set up along the sidewalks of 66 as it weaves through Tulsa and Northeast Oklahoma, but the nice part about this event is that it can be done from the air-conditioned comfort of one's shack.

Below is the overall tabulation of contacts by mode and band. 80 meters made up 10% of the contacts this year. Nice job.

Band	CW	Phone	Digital	Total	%
80	0	100	152	252	10
40	191	92	594	877	34
30	0	0	19	19	1
20	127	516	698	1341	52
17	0	0	71	71	3
15	0	2	9	11	0
10	0	0	8	8	0
70	0	0	1	1	0
Totals	318	710	1552	2580	100

My compliments to all those who jumped into the mix this Rt66 Event Week. There were quite a few new “first time” activators. I was one of them. I wasn't expecting the “two contacts” a minute pace of it all. How much fun was that?

Participants

K5LDX Gabe	K5TZX David	N5ITG Bruce *	KG5GJ Brian *
N5FER Bill *	N5NYT Daryl	N5TEX Joe *	KA6DOY Remell
KI5EGH Mike	K3GE Jerry *	K5JZZ Steve *	W5AWS Andrew
W5GGW Greg *	WA5MA Mark *	KJ5NFM Eugene	N5LOL Brent
WG5F Ed	KJ5EDE Logan *	K5JHC Jack	KJ5KKC Tyler

* Signifies 100+ Contacts

Conclusion

I'm looking forward to next year's Rt66 Event. We've already got the W6L Event Call Sign locked down and we will be hoping for cooler weather next year. I hope to see you all again. Thanks for participating.

Tech Night

For our Tech Night on October 6th, Andrew, W5AWS, delivered a talk on using AI as a diagnostic tool, centered around how to effectively use the Xiegu G90. It proved that operating from the W5AWS home QTH is futile in the S5-level of local Radio Frequency Interference (RFI). You can download the paper via this URL:

- <https://drive.proton.me/urls/DZCCCHNBNR#zGHt7HiB2hg8>

AI is useful for aggregating disparate information. It isn't your Best Friend Forever (BFF), it is purposely designed to be an engaging sycophantic flatterer and stroker of egos. It is a Large Language Model (LLM) good at statistical inference. It is a tool, and like any tool, is harmful if used carelessly.

W5AWS read from the book *How To Talk To AI—And How Not To* by Jamie Bartlett, about “ten habits for talking to AI without losing control”. You had to be present at the Tech Night to receive the wisdom.

W5AWS also got the AI to suggest some starting presets for casual CW rag-chewing, which you can download via this link:

- <https://drive.proton.me/urls/C0CCEK600G#FWiHFS5cTBP7>

Future of the Newsletter

We need all members of the club to decide on the future of the club newsletter by voting your preferences. Please choose from the ballot shown at this link:

- <https://w5ias.com/2026/08/08/newsletter-2027/>

Preferences are:

1. I Love It — Keep It

This is if you want us to keep producing a PDF version of the newsletter available to the club. Realize voting this also comes with the potential needs for help and support building it.

2. I Don't Read it.

This is a vote to stop the newsletter

3. Email Each Article

This is a vote to KEEP the articles coming, but instead of a PDF, an email will come out to you as new posts/articles are added.

Votes Thus Far

As of this writing, the club roster lists 209 members.

According to the poll status, only 47 members have bothered to cast their ballot, which translates to a membership participation-rate of $\frac{47}{209} \times 100 \approx 22\%$ or

slightly more than one fifth, one in five of you who care about the newsletter. Our club is a democracy that thrives on your active participation.

As the poll stands today, the vote is in favor of continuing the newsletter. One or two of those who love it and want to keep it should now volunteer to become the next editor, because next year there won't be an editor and the newsletter will die due to lack of interest or ho-hum apathy.

Newsletter Vote

I Love It - KEEP IT	30 (63.83 %)
I Don't Read It	0 (0 %)
Email Each Article - No Newsletter	17 (36.17 %)

Change in Poll Numbers

Somehow, there is one less in favor of keeping the newsletter than there was last month, and we've gained five new members of the club since then, which makes participation in the poll worse.

Nominations for 2027

It's about that time of year again when we must decide who serves the club during the new year. We have three vacancies pending.

Treasurer

Our long-time club treasurer Jerry, KE5MPK, withdraws his name from consideration in 2027, so we need someone to become the new treasurer. Either volunteer or nominate someone capable of doing the job.

Newsletter Editor.

Andrew, W5AWS, withdraws his name for consideration in 2027 as editor of the newsletter.

Newsletters are so last-millennium and TL;DR¹. We need the club membership to vote on whether to discontinue the newsletter in favor of periodic blasts to the member-

ship list from the website, similar to *groups.io*. If the club decides to continue publishing a newsletter then we need a new editor to begin in January 2027.

Public Service Liaison

Robert, KI5WDD, cannot continue as public liaison helping Bobby, KJ5CLV, so we need a volunteer to replace Robert.

Club Badges

—Jeffrey, KJ7JTU

Our new club badge is more durable and looks like the one shown here, except with your name and callsign. To get one, contact Jeffrey, KJ7JTU, by completing and submitting the form on our website that you can reach via this URL:

- <https://w5ias.com/member/tarc-badge-request/>



Newsletter Submissions

Do you have something you would like to share with other members of our club? Send your contributions, text and pictures, via email to the editor of the newsletter at this address Editor@W5ias.com.

Deadline for submissions is the 25th of each month.

There are no word limits. Use as many words as you need to tell your story. If you have much to say, think about writing your story in installments. Use pictures to save words; send pictures at full resolution. Busy pictures the size of postage stamps don't work.

Don't be shy. The editor's job is to make you look good in print.

Club-serving Members

Tulsa Amateur Radio Club Active Positions				
	Position	Name	Call Sign	Duration
ELECTED	President	Mark Adams	WA5MA	31 Dec 2026
	First Vice President	Jack Conway, IV	W5JHC	31 Dec 2026
	Second Vice President	Ky Vargus	KY5VAR	31 Dec 2026
	Secretary	Andrew Shead	W5AWS	31 Dec 2026
	Treasurer	Jerry Weikel	KE5PMK	31 Dec 2026
	Public Service Liaison Officer	Robert Kerns	KI5WDD	31 Dec 2028
		Bobby Hunt	KJ5CLV	
	Trustee	Gregg Wonderly	W5GGW	31 Dec 2028
APPOINTED	Quartermaster	Paul Young	KE5EHM	UNLIMITED
	Webmaster	Jack Conway, IV	W5JHC	
	Social Media Administrator	Greg Meador	AI5HV	
	Merchandise Coordinator	Robert Kerns	KI5WDD	
	Newsletter Editor	Andrew Shead	W5AWS	
	Membership Committee	Jack Conway, IV	W5JHC	
	ARES Coordinator	Paul Teel, III	WB5ANX	
	Volunteer Examiner Coordinator	David Kennedy	N5DMK	
	Trailer Team Leader	Cody Guillaume	KJ5JDO	
	Trailer Team Members	Greg Meador	AI5HV	
		Robbie Moreland	W5RML	
		Gabe Griffin	KJ5JOW	
		Rusty Johnstone	KJ5MGC	
		David Kennedy	N5DMK	
		Tim Morgan	KI5ZDF	
		Cory Anderson	KJ5LAM	
		Steve Childers	KF5VCQ	
	Trailer Team Advisors	Jack Conway, IV	W5JHC	
		Paul Teel, III	WB5ANX	
	Repeater Maintenance Committee	Paul Teel, III	WB5ANX	
		David Kennedy	N5DMK	

Treasurer's Cash Report

—Jerry, KE5PMK

TARC
Treasurer's Report
9/30/2026

	General	Fund Hamfest	Sinking Fund	Current Mo Total	Year to Date	Current Yr To Date Budget	Prior Yr Total
Cash balance beg of period	3,442.12	1,037.63	8,008.02	12,487.77	13,802.52	13,977	5,102.74
Receipts							
Dues	100.00	-	50.00	150.00	5,780.00	5,410	3,810.00
Sale of radio equipment	-	-	-	-	1,014.71		
Green Country Hamfest	-	-	-	-	-		
Raffle	-	-	-	-	425.00	550	575.00
Centennial dinner	-	-	-	-	-		1,060.00
Contribution	-	-	637.29	637.29	1,430.84	818	1,042.82
Interest	-	-	3.06	3.06	30.16	33	12.92
Miscellaneous	-	-	-	-	6.00		80.00
Total deposits	100.00	-	690.35	790.35	8,686.71	6,811	6,580.74
Disbursements							
Repeaters:							
Equipment							
Rent							
Green Country Hamfest:							
3 tables & 1 electric drop	-				55.00	55	55.00
Radio Equipment	413.74			413.74	1,976.34	600	484.68
Door prizes	-				100.00	100	100.00
Ares	-				-	300	
Bike rides	-				83.07	-	
Centennial expenditures	-				-		1,047.00
Insurance	-				619.51	620	619.51
PayPal fees	4.36			4.36	156.78	159	125.50
HF University	-				-	-	-
Field day	-				742.36	1,100	1,058.25
Ice cream social	-				205.46	175	119.53
Website and related	44.85			44.85	777.81	849	676.18
Mail Box	-				180.00	180	180.00
Miscellaneous	-				1,912.53		282.37
Christmas	-				239.60		-
Maker Faire	-				57.16		-
Trailer & related	-				1,570.44	-	-
Total expenditures	462.95	-	607.95	1,070.90	10,282.01	4,138.71	4,748.02
Transfers into fund	838.89	-	1,211.11	2,050.00			
Transfers out of fund	(838.89)	-	(1,211.11)	(2,050.00)			
Cash balance end of period	3,079.17	1,037.63	8,090.42	12,207.22	12,207.22	16,650	6,935.46
Summary by Account							
Checking	1,586.59	-	692.42	2,279.01			
Savings	1,442.30	1,037.63	7,398.00	9,877.93			
PayPal	50.28		-	50.28			
Total	3,079.17	1,037.63	8,090.42	12,207.22			

Jerome Weikel:
Repeater controller and related

607.95

Jerome Weikel:
Satellite Station Go Box
DX Engineering 378.71
Amazon MktPlace 35.03

Glossary

ARES.....Amateur Radio Emergency Service.

ARRL.....Amateur Radio Relay League.

AWG.....American Wire Gauge.

BFF.....Best Friend Forever

BMS.....Battery Management System:

A battery safety system that does load balancing of the charge and discharge cycles and monitors the temperature, health and safety of the individual cells that comprise the battery, incorporating short-circuit and reverse polarity protection.

CD.....Compact Disc.

CQ.....Seek-You—telegraphers abbreviation requesting contact from anyone hearing.

CW.....Continuous Wave, synonymous with the practice of Morse code When you transmit Morse code using CW, you are sending bursts of unmodulated radio frequency energy that the receivers detect by offsetting the receive-frequency by a few hundred Hertz All of which is done automatically most of the time.

DMR.....Digital Mobile Radio.

DVM.....Digital Volt Meter.

DX.....Ham jargon for long distance, also a brand of gasoline for obvious reason farther on a gallon.

Elmer.....Ham radio jargon for a mentor, someone willing to help others thrive in the hobby.

EZNEC.....Easy Numerical Electromagnetics Code.

FCC.....Federal Communications Commission.

FEMA.....Federal Emergency Management Agency.

FF.....Far Field: Radiation pattern at distance.

FSK.....Frequency Shift Keying.

FT8.....Short for Franke–Taylor design, 8-FSK modulation) is a frequency shift keying digital mode of radio communication used by amateur radio operators worldwide. It was released on June 29, 2017, by its creators Joe Taylor, K1JT, and Steve Franke, K9AN, as part of the WSJT software package.

GOTA.....Get On The Air.

HF.....High Frequency—3 to 30 MHz.

HOA.....Home Owners Association.

HT.....Handheld Transceiver.

iPad.....Line of tablet computers by Apple

kerchunk....A technical term peculiar to the operation of repeater systems An onomatopoeia expressive of the sound heard when you briefly press the PTT of a transceiver to engage the repeater to hear if it is possible to open it for communication Don't do this; push-to-talk, announce your call sign then ask for a signal check.

LID.....Licensed IDiot: A rude or unobservant operator Those who don't learn from their mistakes We learn by doing, and if we're not making mistakes, we're not doing anything The trick is to avoid making the same mistake too many times Click on the number of this footnote to return to the text and continue reading.

MMANA.....<http://gal-ana.de/basicmm/en/>

NCO.....Net Control Operator.

NIFOG.....National Interoperability Field Operations Guide

NTS.....National Traffic System

OKMRC.....OKlahoma Medical Reserve Corps.

PC.....Personal Computer

PDF.....Portable Document Format

POTA.....Parks On The Air.

PTT.....Push To Talk.

QRM.....On-frequency interference Telegrapher's Q-code abbreviation.

QRP.....Low power 5W and below Telegraphers Q-code that says lower your power.

QSL.....Q-code for I confirm receipt of your transmission.

QSO.....Completed contact with another operator Telegrapher's Q-code for I can communicate with.

QST.....Telegrapher's Q-Code shorthand for "Calling All Stations".

QSY.....Change frequency. Telegrapher's Q-code requesting a change in operating frequency.

RFI.....Radio Frequency Interference

ROM.....Read Only Memory.

SOTA.....Summits On The Air.

SSB.....Single SideBand modulation.

SWR.....Standing Wave Ratio The ratio of transmitted energy to energy reflected back to the transmitter by a mismatched impedance Voltages generated by high SWR can destroy the power transistors of a transceiver High SWR also means that the antenna radiates less energy.

TARC.....Tulsa Amateur Radio Club.

TBD.....To Be Determined.

TL;DR.....Too long; didn't read <https://en.wikipedia.org/wiki/TL%3BDR>

TRO.....Tulsa Repeater Organization.

TRS.....Tip, Ring, Sleeve of a segmented single-pole plug.

TU.....University of Tulsa.

UHF.....Ultra High Frequency—300 MHz to 3 GHz.

URL.....Universal Resource Locator.

VHF.....Very High Frequency—30 to 300 MHz.

WARC.....The World Administrative Radio Conference (WARC) bands are three portions of the shortwave radio spectrum used by licensed and/or certified amateur radio operators. They consist of 30 meters (10.1–10.15 MHz), 17 meters (18.068–18.168 MHz), and 12 meters (24.89–24.99 MHz).[1][2] They were named after the World Administrative Radio Conference, which in 1979 created a worldwide allocation of these bands for amateur use. The bands were opened for use in the early 1980s. Due to their relatively small bandwidth of 100 kHz or less, there is a gentlemen's agreement that the WARC bands may not be used for general contesting. This agreement has been codified in official recommendations, such as the IARU Region 1 HF Manager's Handbook, which states: "Contest activity shall not take place on the 5, 10, 18, and 24 MHz bands."
https://en.wikipedia.org/wiki/WARC_bands

- 1 TL;DR—Too Long; Didn't Read (<https://en.wikipedia.org/wiki/TL%3BDR>)