



THE SIGNAL



Official Newsletter of the
Tulsa Repeater Organization



Vol. 49 Issue 7 September 2016

“Covering Tulsa through the air”

UP FRONT – A Word from the Editor

I must start this month's column with a personal note. My mother passed away on August 28, at the age of 87 years and 2 days. Thanks to those who expressed condolences on my Facebook page. Since that time, I am left with extra business to take care of, so don't be surprized if I don't pop up on the nets as often as I usually do. I don't anticipate that this will interfere with my attendance at meetings.



In dealing with the fallout, I wasn't able to finish the report on the Cystic Fibrosis Nite Ride until Sept. 21st. You can find it later in this issue.

Public service activities in the Tulsa area winding down. Because of this, I will probably not have a report from the Dam Jam ready until next month.

However, we do have a request for a new event coming up soon. A Boy Scout in Broken Arrow is organizing a bike ride to raise funds for prosthetics for veterans, on Saturday, October 8th. We will vote on it at this month's meeting.

Another public service training activity coming up soon is the annual ARES Simulated Emergency Test, on the weekend of October 1st and 2nd. Look for the announcement under The Big Picture.

Also, this month starts the TRO Birng-A-Friend Contest. Mark, N7XYO has more detail in the Prez Sez. Recruiting new members is the main purpose of the contest.

Speaking of members, the TRO now offers a **LIFETIME membership!** No more writing checks, manipulating your PayPal account, or chasing down the club treasurer to give him money. The cost equals 15 times the normal annual dues, or \$375.00 US.

The club needs your help. The Executive Committee wants our meetings and activities to be fun, interesting and helpful. So, we need program ideas. Do you have an idea for a program? If so, let us know! Are your curious about some aspect of ham radio, and would like to see a program on the topic? Let us know!

You don't have to put on the program, but if you are able and willing to do so, that would be great! Just tell us your idea, and we will work on putting it together.

The programs don't have to be about ham radio. Hams tend to be tech minded, so anything technical or scientific will do.

Send your ideas to TRO Vice President Paul Young at ke5ehm@tulsahamradio.org.

Speaking of meetings, we are still looking for a new location. This month we will “test drive” the Mazzio's at The Farm Shopping Center, 51st and Sheridan. If you know of a possible meeting site, send us your suggestion. We are looking for a place with capable of seating 2 to 3 dozen, and if it is a restaurant, the meeting room should be isolated from the noise and foot traffic of the other customers.

In This Issue

PAGE 1 Up Front

PAGE 2 The Official Word

Prez Sez

PAGE 3 For The Record

Meeting Minutes

PAGE 4 TRO Bring-A-Friend Contest

PAGE 5 Getting Radio Active

Cystic Fibrosis Nite Ride

PAGE 8 TRO Events

TARC Events

Repeater Status

PAGE 9 The Big Picture

Club Meetings

Hamfest Schedule

PAGE 10 Oklahoma ARES Simulated Emergency Test

PAGE 11 Test Sessions

Making Contact

PAGE 12 TRO Officer Contact Information

THE OFFICIAL WORD! - What Our Leaders Have To Say
--



PREZ SEZ

Mark Conklin N7XYO

TRO has been test driving possible new meeting locations. So for this month meeting we'll try **Mazzios**, at the Farm Shopping Center, 5321 S. Sheridan Rd, Suite #27, Tulsa.

If you were at the last membership meeting at "The Brook" on Brookside, you know why we're trying out a new meeting location. So we are in test drive mode for new meeting locations. If you have suggestions for a spot with a separate dining space (away from the main dining area), that has room for 20 to 30 folks and must be open until at least 9PM. **Please let your executive committee members know and we'll give it a try.**

In last month's email blast announcing the new meeting location I mentioned that one of the best reasons to come to any club meeting is the people. For me, that is the biggest reason to come. Heck for many of us it's the main reason we attend the many area hamfests. With all the technology today, I think you could stay at home and read information (or watch videos) about the latest & greatest widget on ham radio activity. And it is nice that we have programs and information that are interesting that add to the meeting. But, for me it seeing friends and talking directly with members is the best part.

I invite you and your family to the next TRO Club meeting, and I hope you'll join us. I also suggest that you invite and bring a friend or two to the club meeting, because, in addition to the fun of seeing everyone... we're having a contest... the TRO Bring-A-Friend Contest.

What's the TRO's Bring-a-Friend Contest? Simple and Easy... Get credit for Bringing-a-Friend to TRO membership meetings.

The contest period is Sept, Oct, Nov & Dec 2016 meetings. Prize will be awarded at December meeting.

Bring-a-Friend - Sign in with your friend.

Sign in sheet will be the tally/record for the contest.

Friends should be hams (or soon to test) and potential members.

* The TRO Member that brings the most Friends to the meetings (for all 4 meetings) wins the entire prize package listed below.

**** Prize Package: ****

Yaesu FT-60R VHF/UHF Dual Band Hand Held Transceiver,
an improved whip Antenna, plus a Yaesu Speaker Mic. Wow!

The repeaters are doing great. All of the TRO machines are OPEN, so let's key that PTT and get some QSOs rolling over the Tulsa air waves. We have an antenna improvement for the 146.880 machine that set to be done soon. Joe N5TEX shared photos and gave a very nice presentation about all the improvements that have been made to the 146.880.

Remember: If you have ideas and improvements for any of our machines please share those with TRO's Engineering Committee Chair Joe Gorkos at N5TEX@tulsahamradio.org.

See you at the meeting and as always thanks for being a member of the Tulsa Repeater Organization.

FOR THE RECORD – Minutes and other organizational stuff
--

Tulsa Repeater Organization Executive Committee Meeting**13 SEP 16 1900 Rib Crib, 81st & Yale**

Officers present were:

President Mark Conklin, N7XYO

Vice President Paul Young, KE5EHM

Secretary / Public Relations Chair Doug Lee, KC5ZQM

Treasurer Steve Miller, AA5V

Trustee Merlin Griffin, WB5OSM

Engineering Chair Joe Gorkos, N5TEX

Activities Chair Kenneth Baucum, KG5CBM

Operating Standards Chair Ed Compos, K5CRQ

Membership Chair Tom Stroud, KD5OPH

APRS Engineer Ben Joplin, WB5VST

**MEETING NOTES****DOUG LEE, KC5ZQM**

Open by Mark Conklin, N7XYO at 1901

Reading of minutes: August Membership meeting waived after motion by Paul Young, KE5EHM and second by Steve Miller, AA5V. August Executive Committee meeting waived after motion by Ben Joplin, WB5VST, and second by Paul.

Treasury report: Steve reported no changes since the membership meeting, so report was already read and approved.

Engineering: Joe Gorkos, N5TEX reported that we have reached an agreement with Bob Buford, W5RAB, for a new but unused DB-224 for the 146.880 transmit antenna. In exchange, he will receive several DB-224's of unknown history and frequency, and some cash. Merlin Griffin, WB5OSM, expressed a desire to install the new antenna on the following Friday, but the installation could be done during the week if someone is available. Installation will be a two-man job, and access during the weekends is sometimes a problem. Merlin also intended to add Internet access at the same time.

Ben WB5VST added that Bob W5RAB had replaced a power supply on the 444.725 Skiatook repeater.

Public Relations; Doug Lee, KC5ZQM had nothing to report except for possible support of Jamboree On The Air, which Kenneth Baucum, KG5CBM reported was handed off to the Rogers County Wireless Association.

Activities: Paul KE5EHM and Ben went to help with Dam Jam the Saturday before the meeting. Comms went smoothly, except for low response from some of the Safeties. Kenneth KG5CBM said that Route 66 Marathon has not responded yet. Bike MS and the Fall Century are on the same weekend. Mark N7XYO offered to help Kenneth get response from Cleveland County contact for Bike MS.

Ben WB5VST, reported on a new event, a bike tour in Broken Arrow on Saturday, October 8, to raise funds for veteran's prosthetics. Kenneth will not be available that weekend, so no decision yet on if we will do it.

Membership: Doug KC5ZQM will track the numbers from the sign-in sheets for the Bring-A-Friend Contest, and push it in The Signal. Kenneth KG5CBM moved to set the spending limit for the prize at \$200.00. Prize will be a package of a handheld transceiver with accessories, such as an aftermarket antenna, speaker mic, extended battery, and programming cable.

(continued on next page)

FOR THE RECORD cont'd– Minutes and other organizational stuff
--

Doug also needs to push the lifetime membership in The Signal.

By Laws: Chair not present, but Mark noted that proposed change concerning publishing The Signal on the Web is not needed due to current wording in the By Laws.

Operating Standards: no report

Old, Unfinished, Ongoing Business: Meeting location – The main complaint about The Brook was the parking. Other locations proposed include Mazzio's and Billy Sims at The Farm Shopping Center, Zio's at 81st and Lewis, and possibly another Rib Crib. Kenneth KG5CBM asked our waitress about meeting rooms, but no go. Programs – RadarScope by Steve's son is still a possibility, so is Digital for Dummies by Scott Haley, KD5NJR, as is APRS update by Ben WB5VST. Mark N7XYO requested Ed Compos< K5CRQ to check with someone from the Tulsa Area Emergency Management Agency.

MOU's – Mark N7XYO reminded everyone to print out and mark for comment the sample he sent out earlier. Changing DVR announcements – All announcements are in a single audio file, and so it must be uploaded all at once, and at the repeater site. Internet access will enable him to do it remotely. Committee also discussed promoting meetings by Facebook and Twitter, and programs for mass emails and notifications for members.

New Business: Becky Orange, widow of Mike Orange, N5YIQ, SK, is selling his mobile command post built from an old ambulance, and is giving ham radio groups first opportunity to buy. Merlin WB5OSM moved to pass on the offer, Doug KC5ZQM seconded, and motion passed.

Close at 2021 after motion by Kenneth KG5CBM, second by Doug KC5ZQM, and approved by vote.



TRO BRING-A-FRIEND CONTEST

WHEN: September, October, November and December 2016 meetings, 1900 hrs, 4th Tuesday (possible exception for December)

WHERE: September meeting at Mazzio's in The Farm Shopping Center, 51st & Sheridan.

HOW: Show up with a friend, sign in, and make sure friend signs in. Club Secretary will track the numbers from the sign-in sheets.

WHAT (you could win): Yaesu FT-60R dualband FM handheld transceiver, with matching Yaesu speaker mic, and aftermarket antenna.

WHO: Any TRO member in good standing with the club is eligible. Friends should be hams, soon-to-be hams, and potential club members.

WHY: To increase attendance at meetings, recruit new members, increase support for the club and its activities, and because it's fun!

GETTING RADIO ACTIVE - Activities Report, Schedule of TRO Events

Cystic Fibrosis Cycle for Life Nite Ride 2016 Public Service Communications Report

Event Description: Bicycle tour of Tulsa, 17 mile route mostly on the River Parks and Midland Trails with sections on streets in Downtown Tulsa.

Date / Time: 19 AUG 15 / 1930 - 2000

Event Organization / Sponsors: Cystic Fibrosis Foundation - Sooner Chapter
2642 East 21st Street Ste. 100
Tulsa OK 74114
918-744-6354
www.cff.org

Location or Venue: Base of operations – Guthrie Green, 111 E Mathew B. Brady St, Tulsa
Route – Downtown streets from Guthrie Green to the trail on the I-244 bridge; across Southwest Boulevard ; follow the River Parks Trail down to Turkey Mountain Park; return north on the Trail to cross the Arkansas River on the 23rd Street Bridge to Boulder Avenue; north to 18th; east to the Midland Trail; north to exit the Trail at 3rd and Madison; return on downtown streets to Guthrie Green.

Purpose of Event: Raise funds for the Cystic Fibrosis Foundation's programs

Plan of Operation: Arrive at 1730; set up Command Post near the southeast corner of Guthrie Green. Volunteer briefing at 1830; volunteers disperse to initial assignments when briefing is done.
Start net at 1915
Reposition or redeploy volunteers as needed.
End net when all volunteers return to base. Pose for group photo.

NET SUMMARY

Frequency: 146.880 WA5LVT TRO Repeater (PL's: 82.5, 88.5, 141.3)

Start Time: 1917

End Time: 2155

Duration: 2 hours, 48 minutes

Number of Stations: 9 plus 2 Net Control Operators

Number of Messages: 63

(continued on next page)

GETTING RADIO ACTIVE, cont'd - Activities Report, Schedule of TRO Events

Cystic Fibrosis Cycle for Life Nite Ride 2016 Public Service Communications Report, cont'd

Table of Operators / Assignments

OPERATOR	CALL SIGN	TACTICAL CALL	DESCRIPTION
DOUG LEE	KC5ZQM	NET CONTROL	NET CONTROL
BEN JOPLIN	WB5VST	NET CONTROL	BACKUP NET CONTROL, APRS
BRIAN L. GNAD	KB5TSI	SAG 1	ROAD SAG - DOWNTOWN
PAUL YOUNG	KE5EHM	SAG 2	ROAD SAG - BETWEEN TRAILS
JOHN GRACE	KDVSB	SAFETY A	SAFETY CHECKPOINTS
RAY YOUNG	K5CFY	SAFETY B	SAFETY CHECKPOINTS
BART PICKENS	N5TWB	SAFETY C	SAFETY CHECKPOINTS
PAUL TEEL	WB5ANX	SAFETY D	SAFETY CHECKPOINTS
SCOTT HALEY	KD5NJR	SAFETY E	SAFETY CHECKPOINTS
DUSTIN DYE	AF5XC	SAFETY F	SAFETY CHECKPOINTS
KENNETH BAUCUM	KG5CBM	SWEEP	BICYCLE SAG

EVENT NARRATIVE**PREPARATION****PLANNING**

Activities Chair Kenneth Baucum, KG5CBM, said during the July 2016 Executive Committee meeting that he had received an application from the Cystic Fibrosis Foundation, and he would ask for a vote at the membership meeting. If the members approved of the event, Kenneth then asked if I would serve as Net Control so he could sweep the route on his bike like he did in 2015. I said yes, and the club voted in the event.

In 2015, I did the planning for the event and served as Net Control. We anticipated the route would be the same as last year, so we would go with that basic plan again.

I intended to simplify the plan to make managing the event easier. Instead of dividing the route into segments, I would divide it into 3 zones. Volunteers would work only one zone, unless needed else-where after their assignments were through.

The CFF had posted a route map on the MapMyride website, and they had made one major change from 2015. That year, the riders crossed the Arkansas River on the 23rd Street Bridge. This year, they use the new bike trail added to the I-244 bridge. Once across the bridge, they would cross Southwest Boulevard to access the trail on the west bank. The rest of the route remained the same.

The day before the event I checked the map again, and it had a major change. In 2015, the riders crossed the river back to the east side on the 71st Street Bridge. This year, they would turn around at the rest stop on
(continued on next page)

GETTING RADIO ACTIVE, cont'd - Activities Report, Schedule of TRO Events

Cystic Fibrosis Cycle for Life Nite Ride 2016 Public Service Communications Report, cont'd

Turkey Mountain, proceed back up the west bank trail to cross on the 23rd Street Bridge. Then they would go up Boulder Avenue to 18th, and over to the Midland Trail.

This simplified the plan in that it eliminated a good number of safety checkpoints. It also meant the reduction of three (3) SAG's to two (2).

But the short notice complicated the planning process. I didn't have time to make maps with clear markings of the safety checkpoints and the SAG staging points.

Ten days before the event, at the August Executive Committee meeting, I asked Ben Joplin, WB5VST if he could bring out his equipment for monitoring APRS. My main concern behind the request was tracking Kenneth KG5CBM as swept the route. Ben said he would do it, and this proved useful beyond that purpose.

SET UP AND BRIEFING

Ben WB5VST arrived at Guthrie Green before I did and located the table that the CFF set up for us. They placed it beside the sidewalk, next to one of the trees that are spaced around the perimeter of the park. That was fortunate for us because next to each tree is an AC outlet. Access to AC power was another one of our main concerns, especially for Ben's laptop computer.

Ben set up the Command Post radio box and his laptop for APRS while I set up my portable station. I started with the antenna and mast, which I placed next to the tree so it wouldn't interfere with foot traffic too much.

After setting up the radio, power supply and loudspeaker, I found the feedline was barely long enough to reach the radio. I figured that if I could strap the coax to the tree, it would reach with no problem. I asked Ben if he had any zip ties. While he was checking his truck to see if he had any, I remembered I had some short bungee cords in the bag for the mast sections. One of them worked just fine.

The briefing was, well, too brief for my liking. Everyone received the same plan and maps. But the maps had only handmade markings of the safety checkpoints, and they were not numbered. Also, my written description of some safety locations were not as clear as they could have been, and I didn't take time to clarify the information during the briefing. Also, because I didn't know how many volunteers would actually show up, I could not make many assignments before the briefing.

NET OPERATION

After the volunteers dispersed to their initial assignments, I intended to start the net with a roll call at 1915. But intentions don't always work out. I didn't get any response because no one could hear me. My antenna had an undetermined problem.

I tried adjusting it, but no joy. I retrieved the magmount from my car, but still no joy. I tried the portable antenna again, and it worked!

While I dealt with the antenna issue, Ben WB5VST, conducted the roll call, and reported that all volunteers had checked in and some were already on station.

The net went mostly smoothly, with a few exceptions.

First, the volunteer assigned to cover the transition from the I-244 bridge to the West Bank Trail set up about a block away from the route. I believe he had good visibility from there to see the riders, but he needed to be closer in case a rider needed assistance or to report a problem. Later, that same volunteer set up at 15th and
(continued on next page)

GETTING RADIO ACTIVE, cont'd - Activities Report, Schedule of TRO Events

Cystic Fibrosis Cycle for Life Nite Ride 2016 Public Service Communications Report, cont'd

Peoria, when he should have been several blocks to the west where the Midland Trail crossed 15th.

Second, the volunteer assigned to the West Bank Soccer Complex at 36th and Elwood went to the soccer fields in the River West Festival Park instead. This turned out to be a “happy accident” for a couple of reasons. First, he reported that a 5K was taking place in the park. Second, he had to go help another volunteer who had locked himself out of his truck. That volunteer was assigned as the SAG between the trails, so he was staged at the west end of the 23rd Street Bridge. The River West Park is a few blocks north of 23rd Street.

Another problem had to do with the club's APRS beacons loaned out to several volunteers. These beacons have ID's based on the club's call sign. When Ben WB5VST handed out the units, he wrote down which unit each volunteer was supposed to get. But when they took the units across the street to install them in their vehicles, a couple got switched around. Another volunteer who helped with the installation figured out what happened, and resolved the issue over the net.

We did receive a report that some riders were continuing on the River Trail on the east side after crossing the River, instead of proceeding on the streets from the 23rd Street Bridge to the Midland Trail. We wanted them to have SAG 2 handle the problem, but he was unable to communicate due to being locked out of his truck. We did get someone else to take care of it.

We only had two (2) riders with issues. One left the course early and crossed the river to proceed back to base before going all the way to the Rest Stop. Another rider took a spill at the bottom of Turkey Mountain after leaving the Rest Stop. Sweep Kenneth KG5CBM checked her over, but she continued and finished the ride.

TRO EVENTS
PUBLIC SERVICE

Veterans Challenge Saturday 08 OCT 16
Central Park Community Center, 1500 S Main, Broken Arrow
(pending vote)

Route 66 Marathon 20 NOV 16
6th & Main, Tulsa OK
(pending application and vote)

TARC EVENTS
PUBLIC SERVICE

TBC Fall Century Bike Tour
24 SEP 16
Whirlpool Plant, US 75 & 76th Street North

TRO September Meeting
Tuesday 27 SEP 16
1900 (7 PM)
Mazzio's at The Farm Shopping Center
51st & Sheridan

Bring-A-Friend Contest
September, October, November, and
December 2016

Bring friends and win a prize!

REPEATER STATUS

146.805 (-) PL 88.5 71st & Yale - Working

148.880 (-) PL 88.5 (CityPlex), 82.5 (Skiatook) or 141.3(Keatonville receiver) 81st & Lewis - Working

146.940 (-) PL 88.5 Sun Building, 9th & Detroit - Working

444.1 (+) PL 88.5 Skyline East 41st & Skelly Drive - Working

442.725 (+) PL 88.5 Water tower NW of Skiatook - Working

444.950 (+) PL88.5 Lookout Mountain - Working

THE BIG PICTURE – News from Green Country Hamfest, ARES, Skywarn...
CLUB MEETINGS
Tulsa Repeater Organization

Fourth Tuesday of the month, except June (Field Day) and December (Christmas) 1900 (7PM)
The Brook, 34 & Peoria (until further notice)
Schedule for 2016: 27 SEP 25 OCT 22 NOV 20 DEC (Christmas Party)

Tulsa Amateur Radio Club

Third Tuesday of the month 1900 (7PM)
Keplinger Hall, TU Campus, 5th & Harvard
Schedule for 2016: 18 OCT 15 NOV 20 DEC

Broken Arrow Amateur Radio Club

First Monday of the month (except for holidays) 1900 Central Park Recreational Center, 1500 S Main, Broken Arrow
Schedule for 2016: 03 OCT 07 NOV 05 DEC (tentative due to holiday)

American Airlines Amateur Radio Club

Last Saturday of every quarter 0900 (AM)
Martin East Regional Library
26th & Garnett
Schedule for 2016: 29 OCT 31 DEC

Tulsa Digital Radio Club

Second Saturday of every month 1300 (1 PM)
Broken Arrow Central Library
300 W Broadway
Schedule for 2016: 08 OCT 12 NOV 10 DEC

Rogers County Wireless Association

Second Saturday of every month 0900 (9 AM)
Golden Corral Restaurant 1405 West Will Rogers Boulevard
Claremore OK
Schedule for 2016: 08 OCT 12 NOV 10 DEC

HAMFEST SCHEDULE
GREEN COUNTRY HAMFEST 07 - 08 APR 17

Claremore Expo 400 Veterans Parkway,
Claremore OK 74017

Regular planning meetings are the 2nd Thursday of every month, except summer, at the Rib Crib, 81st & Yale. Next meeting will be 08 SEP 16.

greencountryhamfest.org/

TEXOMA HAMARAMA 21 – 22 OCT 16

Ardmore Convention Center
Ardmore OK

texomahamarama.org

Enid Hamfest 05 NOV 16

Hoover Building, Garfield County
Fairgrounds, 305 E Oxford Ave
Enid OK

www.enidarc.org/enidhamfest

ARES-Oklahoma Tulsa Regional Weekly Thursday Night Net

2000 hrs (8:00 PM) Every Thursday Weeks 1-3: 147.39 (no PL); Weeks 4 & 5: TARC W5IAS UHF Superlink System 443.850 (East Tulsa hub), 442.000 (Mannford), 444.600 (Mounds/ NW Okmulgee Co.), all with (+) offset and 88.5 PL.

Back- up: 146.880 (PL 82.5, 88.5 or 141.3)

VE Test Sessions
WALK-INS ARE WELCOME AT ALL SESSIONS!

Tulsa Repeater Organization

Third Thursday of odd-numbered months, 1900 (7 PM)
American Red Cross 10151 E 11th (11th & US 169) Tulsa, Oklahoma 74128
Contact: Merlin Griffin WB5OSM at 918-520-7668 - leave message, or email: WB5OSM@hotmail.com
Schedule for 2016: 17 NOV

Broken Arrow Emergency Management

First Saturday of odd-numbered months - 0930 to 1100 (9:30 to 11 AM)
Broken Arrow Public Service Complex 1001 N 6th Street Broken Arrow OK 74013
Contact: Skipper Smith, NQ2J at: nq2j@mail.com, or 918-853-8118
Schedule for 2016: 03 SEP 05 NOV

Broken Arrow Amateur Radio Club

Second Saturday of even-numbered months at 0930 (9:30 AM)
Broken Arrow Public Service Complex 1001 N 6th Street Broken Arrow OK 74013
Contact: Don Doyle AC5II at AC5II@arrl.net or 918-379-0962
Schedule for 2016: 13 AUG 08 OCT 10 DEC

Rogers County Wireless Association (New session in Owasso)

First Saturday of each quarter at 0900 (9:00 AM)
Bethel Baptist Church 10705 E 86th St N, Room136 (133 overflow) Owasso, OK
Enter at east doors from parking lot
Contact: Phil Stephens, W5PTT at: W5PTT@cox.net
Schedule for 2016: 01 OCT

Tulsa Amateur Radio Club

Third Saturday of every month at 0900
Pentecostals of West Tulsa 2124 W 41st Tulsa OK
Contact: John Carr, K5TBL at K5TBL@arrl.net or (918) 289-1718
Schedule for 2016: 15 OCT 19 NOV 17 DEC

W5YI VEC SESSION

Last Saturday of even-numbered months, 0945 (9:45 AM)
Broken Arrow Public Service Complex 1001 N 6th Street Broken Arrow OK 74013
Contact: Skipper Smith, NQ2J at: nq2j@mail.com, or 918-853-8118
Schedule for 2016: 29 OCT 31 DEC

MAKING CONTACT – How To Find Out More About The Tulsa Repeater Organization

Our Website: www.tulsahamradio.org

Our Facebook: <https://www.facebook.com/groups/TulsaRepeaterOrganization/>

Our Yahoo Group: <https://groups.yahoo.com/neo/groups/WA5LVT/info>

Our Twitter: <https://twitter.com/TulsaRepeaters>

TRO OFFICER CONTACT INFORMATION

President	Mark Conklin	N7XY)	918.232.8346	n7xyo@arrl.net
Vice-President	Paul Young	KE5EHM	918.637.8414	ke5ehm@tulsahamradio.org
Secretary	Doug Lee	KC5ZQM	918.805.0337	kc5zqm@gmail.com
Treasurer	Steve Miller	AA5V	918.381.8574	aa5v@tulsahamradio.org
Trustee	Merlin Griffin	WB5OSM	918.520.7668	wb5osm@tulsahamradio.org
Activities	Kenneth Baucum	KG5CBM	918..271.1435	kg5cbm@gmail.com
By-Laws	Gary Parham	KC5ZQP	918.369.1065	kc5zqp@aol.com
Engineering	Joe Gorkos	N5TEX	918.230.8243	n5tex@tulsahamradio.org
Membership	Tom Stroud	KD5OPH	918..695.3735	kd5oph@tulsahamradio.org
Operating Standards	Ed Compos	K5CRQ	918.231.7730	k5crq@cox.net
Past President	Stan Callahan	KE5HPB	918.381.9990	stanley_callahan@yahoo.com
Public Relations	Doug Lee	KC5ZQM	918.805.0337	kc5zqm@gmail.com

Want more information about the Tulsa Repeater Organization or have questions about articles in the newsletter? Contact us at email address wa5lvt@tulsahamradio.org or write to:



Tulsa Repeater Organization

Tulsa Repeater Organization
P.O. Box 1422
TULSA, OK 74101-1422

Mail to: