



THE SIGNAL



Official Newsletter of the
Tulsa Repeater Organization



Vol. 49 Issue 2 April 2016

“Covering Tulsa through the air”

UP FRONT – A Word from the Editor

Do you remember Modell Phipps? This character was a 95 year old man played by a local actor, who often appeared on local radio station KRMG. Morning host John Eherling would ask Modell how things were going at the Phipps house, and Modell would always say, “Busy, busy, busy!” before relating the antics of his wife, her obese, crazy sister Inez, and his pet howler monkey, Everett. Well, I don't have a wife with a sister, or a monkey, but I have been in Modell Phipps mode since last issue.



First up, along with handling PR for the TRO, I agreed to become Secretary! While preparing to take on that job. I took a look at the club's Constitution and By Laws, and notice some problems with the formatting. I found some inconsistencies in formatting across the sections, and the formatting made the document hard to navigate through. Without changing the wording, I corrected those problems. But then I noticed a few problems in the wording – misspellings, typos, and an unclear expression. After checking with the rest of the Executive Committee, I corrected those items.

At the February board meeting, Mark Conklin, N7XYO, made the comment that we need to get back to doing some of the fun things the club used to do besides the public service events. So, at the membership meeting that month, I said that, with that thought in mind, if nobody objected, I would be The Fox on the 3rd Saturday in March. The TRO used to have monthly Foxhunts, and we were waaaaay, overdue to have another one! No one objected, so I hid out at Chandler Park on 19 MAR. I had fun! See my report later in this issue.

Next up, after the March meetings, we set up a display at the Wagoner County Emergency Preparedness Expo on 26 MAR, in Coweta. Several displayed their storm spotter or chaser vehicles, while I set up an information table and my portable station. Ray Young, K5CFY brought out the Sub Club's tower trailer. Ben Joplin set up his command post station with VHF/UHF and APRS capabilities. He also set up the ARRL HF station, with a G5RV mounted on the tower. Paul Young, KE5EHM brought out the canopy and tables for the display. Rob Giger, KG5AUN, added to the fun with his RC storm chaser truck.

Of course, the big event was the Green Country Hamfest in Claremore on the 8th and 9th. I didn't set up an elaborate display like I did last year, but we did have quite a few visitors stop to ask questions. Most of the club literature that I printed out for hamfest, including the Special Edition of The Signal, left with somebody.

Now, time for me to start planning for Camp Bandage, 21 MAY in Broken Arrow!
Thanks to everyone who helped out with the PR displays!

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THE OFFICIAL WORD! - What Our Leaders Have To Say

PREZ SEZ - Mark Coknlin N7XYO

Wow, Spring 2016 is here and the Green Country Hamfest has come and gone. I don't know about you, but I had a good time at hamfest. In addition to looking at all the fun old stuff and lots of new ham radio goodies, I really enjoy getting to see old friends and meeting lots of new friends. Kudos to the all folk with Green Country Hamfest to another fine event.



With spring, as you know by now, TRO has a crop of new officers. Well mostly new - some are ol'familiar faces. The officers for 2016 are; President Mark Conklin, N7XYO; Vice President Paul Young, KE5EHM; Secretary Doug Lee, KC5ZQM, Treasurer Steve Miller, AA5V; Trustee Merlin Griffin, WB5OSM.

I want to acknowledge another group of the folks that help with the business of running the TRO. They are the committee chairpersons: Public Relations is Doug Lee, KC5ZQM; Activities is Kenneth Baucum, KG5CBM; Engineering is Joe Gorkos, N5TEX, Operating Standards is Ed Compos, K5CRQ. And for By-Laws we have Gary Parham, KC5ZQP who will remain in that seat for now. We do have an open seat as our Membership Chairman. If you are interested in helping as the Membership or By-Laws chairperson please contact me (see by-laws at www.TulsaHamRadio.org for listing of chairperson's duties).

Going forward we need your thoughts, ideas and comments for Programs & Activities. All members need to make time to meet and get to know three very busy chairpersons because they are the folks that help develop programs, events and activities for your education, enjoyment and involvement:

Paul Young, KE5EHM Vice President – Programs,
Doug Lee, KC5ZQM Public Relations, and
Kenneth Baucum, KG5CBM Activities.

So at the next TRO club meeting stop by and say hello to them!

Contact emails for all of our officer and chairpersons can be found on the TRO website at www.TulsaHamRadio.org

Board/business meetings will be held monthly, prior to the general monthly membership meeting. We plan to hold the business meeting on the 2nd Tuesday of meeting months (typically will be at Rib Crib at 81st & Yale – Meeting at 7pm).

For Club meetings, we hope to keep the business portion of the general monthly membership meeting down to about 30 minutes, or less. So checking that the club's website (www.TulsaHamRadio.org) often is important so you can read the newsletter/bulletin(s) and get all the latest business news. At the club meetings, once we do an overview of the current business we'll get on to the fun stuff and the program.

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THE OFFICIAL WORD! cont'd - What Our Leaders Have To Say

PREZ SEZ cont;d

Please make sure TRO has your latest email address. Any changes please contact our Treasurer, Steve Miller, AA5V with your new info. It's very important to keep your email addresses up-to-date.

The TRO's webpage is our official vehicle for keeping members informed: www.TulsaHamRadio.org We'll still have a Facebook page... but just like the Bulletin: it's just another method of outreach to our members.

Through the webpage you can access the clubs newsletter the Signal, find the weekly bulletin, check the upcoming events calendar and tons of other helpful information. We'll still post info to Facebook... but check the webpage first.

As most members know there has been some discussion of the two Tulsa metro area amateur radio clubs becoming one club. Every current member of the TRO has by now (either an email or if TRO did not have an email for the member, then by US Mail) received from TRO, Inc., a straw poll about this matter. I appreciate all the members that took the time to think about this matter and to respond to the poll. I plan to announce the results of the poll at the April membership meeting.

We had a full room at last month's membership meeting... let's fill the room at this month's meeting and show our presenter how much we appreciate them taking time to share his knowledge with TRO members. See you there! 73

FOR THE RECORD – Minutes and other organizational stuff

MEETING NOTES – DOUG LEE, KC5ZQM



MINUTES - TRO MEMBERSHIP MEETING 23 FEB 2016

President Chase Crum, KG5CLM, opened the meeting at 1900 with introductions. A total of 27 people were present.

Reading of the January minutes suspended or tabled.

Steve Miller, AA5V read the Treasury Report. Mark Conklin, N7XYO moved to accept, Paul Young, KE5EHM seconded, and motion passed on vote.

Joe Gorkos, N5TEX, started the Engineering Report. Work on rebuilding 146.88 is progressing well, everything else is working. The 444.950 repeater is working very well in its new location; Steve AA5V suggested leaving it there.

Kenneth Baucum, KG5CBM reported on Activities. He has received applications for two (2) public service events: Tour de Cure and Bike MS.

Bike MS: Same route and plan as last year, from Norman to Stillwater with an overnight stay in Guthrie. Date is 24 -25 SEP 2016.

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FOR THE RECORD cont'd– Minutes and other organizational stuff**MINUTES - TRO MEMBERSHIP MEETING 23 FEB 2016 - cont'd**

Tour de Cure: Will be 04 JUN 2016. They are updating the route, but it will still begin and end at Hillcrest Hospital

Vote on approving these events tabled until more details are available.

Membership Chair was not present, so no report.

Doug Lee, KC5ZQM presented the Public Relations report. Two events are currently on schedule: Wagoner County Emergency Preparedness Expo and TRO club booth at Green Country Hamfest.

Wagoner County Expo is Saturday, 26 MAR 2016: The major emphasis is on storm spotter / chaser vehicles. Contact Tom Stroud, KD5OPH if you have a vehicle to display. We will have a booth; Paul will bring out a tent and tables like last year.

Hamfest booth: Hamfest is 08 - 09 APR 2016 at Claremore. Doug will handle set up and tear down of the booth, his main concern is volunteers to help him man the booth. A major concern is to have two (2) volunteers take charge of the booth for an hour on Friday night and noon on Saturday so that Doug can go eat and shop. Doug asked if anyone wanted to volunteer for the booth right then. Paul and Ray Young, and Kenneth, KG5CBM responded.

Old Business: No one had any old business to discuss or present.

New Business: Joe, N5TEX mentioned that at the Executive Committee decided at their meeting the previous Thursday night that repeater site chairs need to take pictures of equipment at the site for inventory purposes.

Chase, KG5CLM, expressed his gratitude that the Club trusted him as a new member to serve as President.

Chase asked Bart Pickens, N5TWB, Nominating Committee Chair, to conduct the election at 1926. Bart replied that all he could do was make his report as the Chair, and then turn the election back over to Chase.

Nominations / Elections: Only two elective offices needed to be filled. Vice-President Paul Young, KE5EHM, Treasurer Steve Miller, AA5V, and Trustee Merlin Griffin, WB5OSM, had all expressed a desire or willingness to continue in their positions. President Chase Crum, KG5CLM, cannot continue due to work obligations; and Secretary Ed Compos, K5CRQ, has served long enough and has no desire to continue. Mark Conklin, N7XYO was nominated for President at the January meeting. Doug Lee, KC5ZQM, had expressed his willingness to become Secretary in the February 2016 issue of The Signal, the club newsletter, and Bart, N5TWB confirmed this in a personal conversation before the meeting. Ben, WB5VST moved that we elect these officers by acclamation, Brian Gnad, KB5TSI seconded, and motion passed on vote.

Steve, AA5V, reported on the action items discussed at the Executive Committee meeting.

Vice President Paul Young, KE5EHM announced that at the March meeting Steve Piltz, KA9MLL from the National Weather Service will put on a program.

One of the action items from the Executive Committee Meeting was that we need to have more Executive Committee meetings to discuss and handle business, so that we can shorten the business portion of membership meetings, and possibly have programs.

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FOR THE RECORD cont'd– Minutes and other organizational stuff**MINUTES - TRO MEMBERSHIP MEETING 23 FEB 2016 – cont'd**

Also, we will look to have more fun activities beyond public service events. With that in mind, Doug, KC5ZQM said, that if no one objects, he will be the fox for a foxhunt on the third Saturday of March..

Bart, N5TWB, mentioned that the TRO is invited to join them once again at Chandler Park for Field Day.

Kenneth Baucum, KG5CBM moved to adjourn at 1942. Motion was seconded and passed.

EXECUTIVE COMMITTEE MEETING, 17 MAR 16, RIB CRIB, 81ST & YALE

President Mark Conklin, N7XYO, opened the meeting at 1915.

Besides Mark, the following officers attended the meeting:

Vice President Paul Young, KE5EHM

Secretary and Public Relations Chair, Doug Lee, KC5ZQM

Treasurer Steve Miller, AA5V

Engineering Chair Joe Gorkos, N5TEX

Activities Chair Kenneth Baucum, KG5CBM

Operating Standards Chair Ed Compos, K5CRQ

Past President Stan Callahan, KE5HPB

We are looking for two new officers: Membership and By Laws Chairs.

Asset Inventory: Mark asked Joe if he had pics and equipment lists for all the repeater sites. Most sites are covered. All inventory information needs to go to both Steve and Doug for both treasury and corporate records.

Liabilities: Many budget items set according to traditional cost based on previous budgets and records.

CityPlex Rental is definitely \$100.00 a year.

Website Cost: Not sure, because our new plan is a 3-year deal; monthly cost thought to be approximately \$7.00

Contests, Awards and Prizes: The club has handled prizes for participation in activities different ways in the past, with most prizes given at the Christmas Party. The Committee will reconsider how to do this in the future, but current budget for prizes remains the same.

President's Discretionary Fund is set by the By Laws and cannot change without a change to the By Laws.

Engineering overview: We have pretty much bought all the new stuff needed for current repeater projects and maintenance; may swap some coax or other equipment between sites as needed.

The rebuild of 146.88 might render an extra receiver, which could save future expense.

Budget for all other repeaters ok.

A 6 meter system is in the works at Skyline. We will use existing coax and antenna left behind by Red Cross.

Antenna needs work.

APRS: Budget is ok.

ATV: Equipment has been removed. We will have to reconsider this issue later, but it remains in the budget for now.

Donations: The only one that has been consistent over the last few years has been the Route 66 Marathon. The director of the Marathon has been seriously injured, so the future of this might be in question.

Membership: Income from this adjusted from \$1000 to \$1500.

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April 2016

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EXECUTIVE COMMITTEE MEETING, 17 MAR 16, RIB CRIB, 81ST & YALE - cont'd

Activities budget: Kenneth requested the club buy a 20 foot mast and antenna for activities when Ben's mast or the Sub Club's trailer tower are not available. He suggested a GP1 for the antenna. He already has sufficient feedline. Item added to budget for \$150.00.

After discussing and adjusting the budget, the Committee voted to approve the final version to present for a vote at the regular meeting.

Contracts & Agreements: (documents outlining who has what at each repeater site, and what they are doing with it, and for how long). Agreements need to contain contact information for those needing access to sites.

Activities: Needs to be more than Public Service, need more fun activities such as the Fox hunt.

Public Relations: Post events including meetings, public service, foxhunts, etc. on Facebook, mention the website more often and use Committee email to disseminate information. Kenneth and Steve are giving the website a facelift, which should help ease the flow information to members.

Mark recommended using Volunteer Spot website for volunteer sign-ups for events. He also suggested establishing more control over the club's Facebook group.

Paul, Kenneth and Doug will work together to come up with more fun activities and programs for meetings.

We discussed the wording of the straw poll of members concerning dissolving the corporation. Decision was made to use a polling website instead of using email. Survey Monkey was chosen because Kenneth is familiar with it.

Final item: Doug has produced a version of the Constitution and By Laws edited for more readable and more consistent formatting, and for correction of spelling and capitalization errors without changing the wording, but he has found 3 places where the wording needs adjustment. Decision was made to let him make the adjustments, and the Committee will handle final approval through email.

Meeting adjourned at 2115.

MEMBERSHIP MEETING, 22 MAR 16, TALLY'S GOOD FOOD CAFE, 11TH & YALE

President Mark Conklin, N7XYO, opened the meeting at 1859 by asking if anyone was a first time visitor. Luis Garcia, a prospective ham who plans to test at the Green Country Hamfest in April responded.

Mark then started the regular introductions. Total attendance was 27, with 23 members.

Mark said the initial plan for the meeting was to let Steve Piltz, KA9MLL put on the program first, but Steve was not ready, so we would proceed with business, and let Steve do his presentation when ready. We would resume business when Steve was finished.

Mark then had volunteers distribute printouts of the minutes from the February membership and March Executive Committee meetings, while he stated that the goal of the Board was to keep the business portion of the membership meetings short, around 30 minutes or less. To do this in the future, the minutes and the treasury reports would be *(continued on next page)*

FOR THE RECORD cont'd– Minutes and other organizational stuff**MEMBERSHIP MEETING, 22 MAR 16, TALLY'S GOOD FOOD CAFE, 11TH & YALE - cont'd**

put on tulsahamradio.org as PDF's before the meetings, so members can download and print them out as they desire.

Mark then asked for a vote to waive the reading of the minutes. Motion made by Paul Young, KE5EHM, seconded by Kenneth Baucum, KG5CBM, and passed. A similar vote asked for waiving the reading of the treasury report. Motion made by Ed Compos, K5CRQ, seconded by Brian Gnad, KB5TSI and passed.

Engineering: Engineering Chair Joe Gorkos, N5TEX said the rebuild of 146.88 is waiting on S-Com program. Need to gather pictures of equipment at each repeater site. Treasurer Steve Miller, AA5V, said the pics were not enough, he needed lists as well.

Activities: Activities Chair Kenneth Baucum, KG5CBM spoke about the Wagoner County Emergency Preparedness Expo coming up the following Saturday in Coweta. Tom Stroud, KD5OPH is heading up that effort. Tom stated that anyone helping out needs to be there at 9 AM.

Kenneth also discussed some of the accommodations offered by other events we have applications for.

Kenneth finished by mentioning that contact has been made with Maple Ridge. They are changing the route due to construction on The Gathering Place.

Steve Piltz then began his presentation concerning a mysterious radar signature recently picked up by the Memphis TDWR. He discussed the speculation he had seen on social media, and took guesses from the audience, then presented his findings using Google Earth and Gibson Ridge software. The phenomenon is physical and not electromagnetic, it occurs over a landfill, it is affected by wind, and it happens in the afternoon during peak heating. The phenomenon has been compared to gaseous expulsions of a biological nature.

Steve then transitioned to a comparison of NWS Doppler and the FAA's TDWR radar systems. He showed how the Dual Polarity products of the NWS radar contributed to understanding the 2013 Broken Arrow tornado, and it also confirmed the findings of Charles Doswell and an associate in 1979. Steve finished his presentation by mentioning a website, pivotalweather.com, that offers free soundings and model data.

At 1954, we returned to business.

Public Relations Chair, Doug Lee, KC5ZQM, asked if anyone else was willing to help with the club's booth at Green Country Hamfest. No one responded, so Doug said that if anyone is walking around at the Hamfest and wants to sit down, we will try to find them a seat at the table, but they should be ready to interact with people and answer questions. He asked of those who volunteered last month which spot they wanted. Kenneth said Friday night was best for him, and Vice-President Paul Young, KE5EHM, said he would take Saturday noon.

We will push the membership brochures at Hamfest. Doug also mentioned Camp Bandage on Saturday May 21, but we have plenty of time to plan for it.

After the PR report, Mark had Doug, Kenneth and Paul stand up. He said that these were the officers tasked with making club activities fun. If anyone has an idea for a program or an activity, to contact one of them.

Doug followed up with a report on the Foxhunt held the previous Saturday. Kelly Walls, KD5HPG found him after 50 minutes into the hunt, and will be the Fox next time on Saturday, April 16th. Doug encouraged others to join the fun. *(continued on the next page)*

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

MEMBERSHIP MEETING, 22 MAR 16, TALLY'S GOOD FOOD CAFE, 11TH & YALE – cont'd

Mark mentioned that we need to fill two offices: By Laws and Membership Chairs.

Mark then mentioned an email that will be coming out concerning a straw poll about the dissolution of the club.

Tom Stroud asked for prayers for Chris Lieberman, the director of the Route 66 Marathon. He has been in coma, and could stay there for up to a year. He is a strong supporter of TRO.

Brian Gnad, KB5TSI, moved to adjourn, Kenneth seconded. Motion passed and meeting ended at 2005.

EXECUTIVE COMMITTEE MEETING, 12 APR 2016, RIB CRIB, 81ST & YALE

Discussions at the start the meeting covered results of the straw poll, Mark Conklin, N7XYO sending Doug Lee KC5ZQM an abbreviated budget for The Signal, new ideas for club table at Hamfest, and installation of a 6 Meter repeater at Skyline.

President Mark Conklin, N7XYO, opened the meeting at 1923

The other officers attending were:

- Paul Young, KE5EHM, Vice-President
- Doug Lee, KC5ZQM, Secretary and Public Relations Chair
- Tom Stroud, KE5OPH, Membership Chair (Thanks, Tom for stepping up!)
- Ben Joplin, WB5VST, APRS/Skiatook Site Engineer
- Ed Compos, K5CRQ, Operating Standards Chair
- Kenneth Baucum, KG5CBM, Activities Chair
- Joe Gorkos, N5TEX, Engineering Chair.

Doug Lee read the minutes from the March Executive Committee meeting.

Treasury report not given because Treasurer Steve Miller, AA5V is still recovering from injuries. We expect to have that updated by the April membership meeting. We had two new members and two renewals at Hamfest, plus the club donated a \$50 cash prize to Hamfest.

Kenneth said that he shopped at Hamfest for the antenna and mast item budgeted for Activities, and because what he found was beyond the budgeted amount, he had not bought anything yet. We plan to revisit the planned purchase.

Program for April meeting: Paul stated that Paul Teel, WB5ANX, Tulsa County ARES Emergency Coordinator might not be available to discuss his go-bag, but we could have a go-kit roundup anyway, and invite members to show and discuss their kits.

Contracts and Agreements: Should cover the following questions: Who owns what? Who gets to access, operate and control it? What call sign is on the machine?

Mark asked about documentation on the DMR system at the Sun Building, and asked what equipment was supposed to be purchased or donated to TRO after a year. Ed said he would check the minutes, and that he thought most of that equipment belongs to Bob Buford, W5RAB.

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

EXECUTIVE COMMITTEE MEETING, 12 APR 2016, RIB CRIB, 81ST & YALE - cont'd

Major concern about any equipment at TRO sites that have the WA5LVT call is that we must have access, or a defined plan of access so we can turn it off if needed.

Activities:

Not sure yet about Maple Ridge Run in May. Kenneth has not received word back from them.

Tour de Cure, Bike MS, and Freewheel need to be voted on.

Doug reminded everyone about the Foxhunt scheduled for Saturday after the board meeting. We need to promote that more through Facebook, email, and club website.

Ben asked if anyone had any objections to use of the club's APRS equipment for activities by other clubs. No one objected to the equipment being used for the benefit of the community.

We need to make sure all information and promotions for fun activities appear on TulsaHamRadio.org.

Field Day discussion centered on the question whether we should go alone or go back to Chandler Park with TARC, and if we go alone, should we consider the Okmulgee EOC. Okmulgee Lake Park was also discussed, and some of the parks in Owasso have been suggested. We will take other suggestions from the members at the meeting at Tally's.

Straw poll results: The online numbers were 26 against dissolving the club, and 10 for. So far that is close to 75% opposed. No results known from the mailed ballots at the time of the meeting.

Discussion about Freewheel arose. Kenneth said he would need 8 operators each day. Mark pointed out that volunteers do not have to committ to all 8 days, they can committ for one day if needed. Route is entirely within the TARC UHF linked repeater system's coverage.

Update on rebuild of .88: Merlin has all the equipment assembled into a rack, but still working on programming the S-Com controller, and once that is finished, we will schedule a work day for installation.

Ed moved that we dismiss, Joe seconded, and measure passed on vote at 2029.

TRO Membership Fees Due!

That time of year again. Time to break out the checkbook and fire up the ink pen, write out a check, address and stamp an envelope, and snail mail it to the address on the last page of this newsletter. Or you could take your check or cash to the TRO hamfest booth and pay in person.

What if you want to do it the 21st Century way, online? Well, if you have a PayPal account, you can. I know, because I did it that way. You sign in to your account, select the Send and Request feature, then select Pay for Goods or Services.. The system will ask for an email. Use wa5lvt@tulsahamradio.org. Then once you've entered the correct email, set the amount to \$25.00 US, add the description, "2016 TRO Membership Dues for < your name & callsign >," designate the checking account or debit/credit card you wish to use, and submit.

NEW MEMBERS

- Dr. Ronald Fetters – AJ4YK
- Jennifer Moody – AK4UN
- Mikaila Williams – K14DS
- Lorenzo Ramos - KG5DXQ
- David Siebert – KF5YZW
- Steve Murtha – KA5MOD
- Ben Novak – W5ZBN
- John Carr – K5TBL
- Luis Garcia – KG5MYP (passed test at Hamfest! Welcome to the greatest hobby in the world!)

Welcome to the TRO and thank you for joining!

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

TRO BUDGET 2016-2017	Exp	Current
TRO FUNDS AS OF 2/16/2016		<u>\$5,406.23</u>
Scheduled Expenses	Cost/mo	Cost/yr
Insurance		\$200.00
Signal	\$0.00	\$0.00
P.O. Box		\$66.00
CityPlex site rental		\$100.00
Field Day		\$250.00
Christmas party		\$250.00
Membership supplies		\$150.00
Contest/Awards/Prizes		\$400.00
Legal fees 501 (c)(3)		\$0.00
Web Site		\$100.00
Office/ PR		\$100.00
President Discretionary Fund		<u>\$150.00</u>
Scheduled Sub-total		<u>\$1,766.00</u>
Projected Income		
Donation - RT 66		\$1,000.00
Memberships		\$1,500.00
		\$0.00
		<u>\$0.00</u>
Income Sub-total		<u>\$2,500.00</u>
Capital Improvements: Repeater: Repair, Maintance & Improvements		
Cap Sub-total	\$1,550.00	<u>\$7,906.23</u>
Scheduled Sub-total	<u>\$1,766.00</u>	
Total Expenses	<u>\$3,316.00</u>	
BALANCE		<u>\$4,590.23</u>

GETTING TECHNICAL – Engineering Report, Tech Articles & Tips, Repeater Status

ENGINEERING REPORT – Joe Gorkos, N5TEX

The 146.88 new repeater is coming along and most of its components are installed in a relay rack. Waiting for the completion of the programming of the S-COM controller. This is a new make and model for us that requires a great deal of learning and programming. Once that is complete and installed in the rack, we will begin final testing. After testing is completed we will set up a date to remove the old .88 repeater and install the new system. This entire process will require a lot of man power to get accomplished. We will need some volunteers to help complete the project on the install date.



All other systems at this time are working.

GETTING TECHNICAL (cont'd) – Engineering Report, Repeater Status

REPEATER STATUS

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

148.880 (-) PL 88.5 (Keatonville receiver), 82.5 (Skiatook) or 141.3 (CityPlex) 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 (+) No PL Autumn Oaks, 71st & Yale - Working

ATV Repeater – Off the Air (equipment removed)

GETTING RADIO ACTIVE - Activities Report, Schedule of TRO Events

ACTIVITIES REPORT – Kenneth Baucum, KG5CBM

Hello, fellow operators! I hope you're enjoying your week, and some of the beautiful weather we've been blessed with so far this year. I want to take a few moments to reflect on the events we've participated in so far this year, and the upcoming events for consideration to include on our calendar.



Wagoner County Emergency Preparedness Expo went very well and our team had a lot of positive interaction with the public. Tom Stroud, KD5OPH organized a spotter vehicle display and Doug Lee, KC5ZQM setup a public information booth. Thank you to the 13 volunteers who donated 95.75 man-hours of their Saturday to help support amateur radio and Skywarn.

Saturday, April 16th was the last TRO Foxhunt. Kelly Walls, KD5HPG, won the Foxhunt in March, so he was the Fox this time. No one found him in the allotted time, so he will host the event on May 21st. Rules are posted on the Facebook page, and you can monitor the 146.88 repeater output to hear all traffic, or monitor the input to locate the Fox. The hunt starts at 10am. Happy hunting!

Coming up on May 30th is the 2016 Maple Ridge Run (<http://www.fleetfeettulsa.com/races/2016-maple-ridge>). This year's event will be a little different, starting near 15th and Madison, due to ongoing construction on Riverside Drive. I'm still awaiting an application from the event coordinator, and will pass that along once it is received. We would likely be providing support from stationary positions on a simplex frequency, similar to past events. If we are asked to participate, the safety briefing would be at 7:30am, and the event starts at 8am. Sign up will be conducted on VolunteerSpot, check the Facebook page and website for more information.

Tour de Cure returns on June 4th, 2016 – We've received the application and are once again being asked to provide SAG and communications support along the route. This event is expected to operate much like it did last year, with the team divided up on specific assignments along the route, looking for cyclists in need. A t-shirt and lunch will be provided, and fuel during the event will be reimbursed with check by mail after receipts are turned in. Safety Briefing will be held at 6:30am, event starts at 7:30am. Sign up will be conducted on VolunteerSpot, check the Facebook page and website for more information.

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GETTING RADIO ACTIVE (cont'd) - Activities Report, Schedule of TRO Events
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ACTIVITIES REPORT (cont'd)

Oklahoma Freewheel is asking for help during their cross-state bicycle tour starting June 19th through the 25th. Person's interested in helping out can sign up for any one or more days during the week, and the following accommodations can be expected: indoor overnight "camping" (usually a church, school gym or classrooms), two evening meals (Friday night plus one other night is covered, the rest of the meals are on your own), and fuel reimbursement (in cash before you leave the event for any fuel or ice used during the event). Freewheel is also willing to cover one tank of gas each direction to and from the event. Additional information about OK Freewheel and this year's route can be found at <http://www.okfreewheel.com>. Sign up will be conducted on VolunteerSpot, check the Facebook page and website for more information.

Bike MS Oklahoma has sent in an application as well and is asking for help September 24-25, 2016. The route will be virtually the same as last year, from Norman to Guthrie, then finishing in Stillwater. Bike MS is offering fuel reimbursement for the event (sorry, no travel), and meals Saturday and Sunday during the event, as well as a handy tshirt. Overnight lodging accommodations can be made on your own, or you can contact me for details on two rooms being offered on Saturday night. There could be additional rooms available as well, at a discounted rate. Currently, it looks like you'll need to make your own arrangements for a room Friday night, if needed. Additional information will be gathered and shared as the event draws closer. Sign up will be conducted on VolunteerSpot, check the Facebook page and website for more information.

Thank you all once again for your fantastic support of Tulsa and surrounding communities, and for well-representing amateur radio. Until next time, "Keep it live and on the air," – 73's and good day!

TRO FOXHUNT 19 MAR 16 by Doug Lee, KC5ZQM

Long, long ago, in a galaxy far, far away....

Well, not really... but the TRO had not held a foxhunt in such a long time it feels like it happened long, long ago, in a galaxy far, far away. Plus the Executive Committee has decided we need to get back to doing some of the fun things we used to do, so I opened my mouth at the February meeting and said, "If no one objects, I'll be the Fox next month on the third Saturday." No one objected, so I was stuck... but I'm glad I was!

As I tend to do sometimes, I overprepared.

When we used to have Foxhunts, no one had written down any rules, so I worked up a document based on the rules we used to use. Because we hadn't done one in such a long time, I knew that new hams might need some guidance on how to do it, so I wrote up a tutorial as well. I created an event page on the club's Facebook group, and posted the documents to the Files section.

I thought long and hard about my "foxhole," and didn't decide until just a few days before the hunt to "hide" in Chandler Park. According to the rules, the Fox must hide in a publicly accessible area inside Tulsa County. We don't want any foxhunters getting sideways with security or law enforcement personnel, so we encourage the Fox to check with business owners or managers first, or to inform law enforcement agencies if hiding on publicly-owned land. In light of recent history, some members of the public could be suspicious of a man talking on radio. Chandler Park covers a large area, and it can accommodate more than one event at a time, and is seldom crowded enough to cause it to be a target for those with bad intentions, so law enforcement shouldn't be a problem. I checked the Park's online calendar, and they did have an Easter Egg hunt scheduled for Pageant Field, where we often hold Field Day, close to the Community Center. I left a voice mail with the contact person explaining what was going on with the
(continued on next page)

GETTING RADIO ACTIVE (cont'd) - Activities Report, Schedule of TRO Events
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TRO FOXHUNT 19 MAR 16 by Doug Lee, KC5ZQM (cont'd)

Foxhunt, in case anyone had questions, and that I would avoid the area near the Easter Egg hunt.

I charged up all my handhelds the night before the hunt, and printed out the rules and tutorial documents.

I got up a bit early for me that Saturday morning, and did part of my regular routine before packing up my HT's and my portable antenna and mast, and loading them in the car. I headed out to my foxhole, with a stop at a convenience store for coffee and breakfast.

I drove around the park, to confirm where the Easter Egg hunt would be, and to scout out the exact location I would set up. I chose a spot in front of the first picnic shelter past the swimming pool and near a public restroom. Drinking extra coffee that morning due to the chilly temperatures made the proximity of a restroom an important factor in my choice of a foxhole!

I made my first transmission on the 146.88 repeater at 10 AM. Ron Lancaster, KB5VDB, responded that he wasn't out hunting, but he had me $\frac{3}{4}$ scale at his house near 41st & 129th East Ave. Ray Young, K5CFY, had me just a little north of due west on his beam at 31st & Garnett. When he said that, I thought, "Oh boy... this Foxhunt might not last as long as I planned!" I like to make things challenging, changing radios, antennas, and so on, including the multiple receivers that .88 has!

Another ham, John Wilson, KG5JNT, was northbound on US 75 on his way to visit with Larry Holden, KC5KLM in Osage County, so he wasn't hunting, but he did report on my signal strength a few times. His first report had me at $\frac{1}{2}$ scale near 67th Street North. Considering that Chandler Park is on top of a hill overlooking the Arkansas River, he probably had an almost clear shot at my signal.

At 1010, I gave my first clue: "I am located on the surface of an oblate spheroid." Real helpful, huh? Like I said, I like to make Foxhunts challenging!

On my next transmission, I explained about the repeater's 3 receivers and gave the PL tones to each one. I followed that with more information about the oblate spheroid. An oblate spheroid is a body that is not completely round. The Earth is flatter in the Northern Hemisphere than it is in the Southern Hemisphere, so it is an oblate spheroid. Like I said, that's not very helpful, but at least people learned something about geometry and the planet we call home.

At 1026, I said that another hunt was going on where I was, but it was seasonal, occurring once a year.

Kenneth Baucum, KG5CBM, checked in, saying he just got out of a CERT training event, and he had time to join the hunt. He had me $\frac{1}{2}$ scale on Memorial while crossing the river.

Ron deciphered the clue about the Easter Egg hunt and began an Internet search of hunts occurring in parks in Tulsa County. He mentioned two, one in Haikey Creek Park in Broken Arrow and one in Bixby.

At 1035, I confirmed the clue about the Easter Egg hunt, and added that I could see traffic where I was. Of course, a lot of traffic was coming into the park, but I was facing north, and could see across the river to US 412. I also changed from my mobile radio to using my HT's. The only one I didn't use was my Baofeng UV5R.

(continued on next page)

GETTING RADIO ACTIVE (cont'd) - Activities Report, Schedule of TRO Events
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TRO FOXHUNT 19 MAR 16 by Doug Lee, KC5ZQM (cont'd)

When I used a handheld, I held it with my left hand out the window and resting on top of the 'Ole Green Bean (my car), and talked into a speaker mic.

At 1040, I began to read from the Rules to fill up the required one minute duration of my transmissions. Kenneth replied that he had no signal on the repeater input at Haikey Creek Park. Ron advised him to go to Chandler Park. Kenneth added that he was headed that way anyway for another training event later on. Rob Giger, KG5AUN, added that he heard me nearly full scale at the Fairgrounds.

At 1050, while finishing up my reading of the Rules, Kelly Walls, KD5HPG, showed up behind Chase Robbins, a young friend of his who is studying to take his test at Green Country Hamfest next month on the 8th and 9th, at the Claremore Expo Center.

At 1102, I read some more from the tutorial, and Kenneth reported my signal as 6 or 7 at 71st & Riverside.

My next transmission at 1110 produced no audio due to an equipment malfunction.

At 1125, Kenneth arrived as I finished reading the tutorial. I declared the Foxhunt over, because Kenneth was the last active Foxhunter that I knew of. However, Charles Sharpe, AA5TC checked in at 1130, stating that he was looking, but couldn't check in due to a radio issue.

After the Foxhunt, I turned control over future Foxhunts to Kenneth. He is the TRO Activities Chair, so the hunts should be under his jurisdiction. He can change the rules as he sees fit, but I don't think he will make any great changes right away.

We will hold the Foxhunts on the third Saturday of the month from spring through fall. Kelly has indicated he will probably use the 146.88 repeater again, but he definitely won't be hiding in Chandler Park!

I'm not sure that I'll be able to participate in future Foxhunts, so I figured the least I could do was to get them started up again. I did have fun, and I encourage everyone to join in on the fun whenever you can!

WHAT'S IN YOUR KIT?

Remember those credit card commercials that asked, "What's in YOUR wallet?" Well, we're not being nosy or trying to sell you something, but we are looking for members to bring out their go-bags or go-kits for a bit of Show & Tell. Someone else might get a good idea for their own kit, or you might pick up an idea or two yourself!

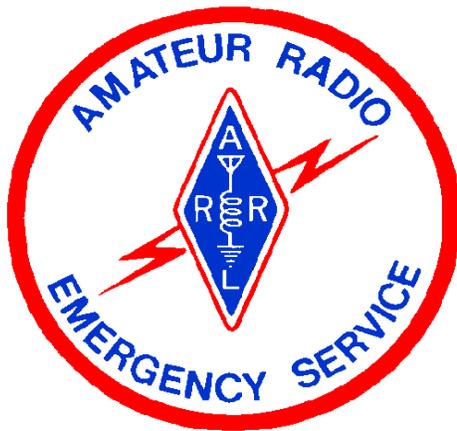
I admit, I don't have much of a go-kit myself, but I have put together a portable station that I will discuss at the meeting. Come out and find out what's in the picture!

TRO APRIL MEETING
1900 (7PM), 26 APR 16
TALLY'S GOOD FOOD CAFE

GO KIT ROUNDUP
DISPLAY AND DISCUSS YOUR KIT
OR LEARN FROM OTHERS!



THE BIG PICTURE – News from ARRL, Green Country Hamfest, ARES, Skywarn...
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Interested in Net Control training?

The Tulsa ARES organization is offering training to become a net control operator (NCO). NCO's are critically important to our ability to conduct proper nets during emergencies. We are looking for ARES members that want to learn how to run a net. The training will include an overview of NCO' duties and best practices along with a place in a rotation that will allow practice. Experienced NCO's will be your mentors and help you along the way.

If you are interested please contact Paul Teel, WB5ANX@arrl.net, Ray Young (K5CFY) at broncoman351@sbcglobal.net, or Ben Joplin (WB5VST) at benj1@aol.com.

Upcoming MARS COMEX May 7th

The exercise will take place on Saturday May 7 between 6AM CST and 6PM.

Based on previous experience, DOD will put requests for information into the MARS network early in the exercise. Amateur Radio stations should expect MARS operators to come up on Amateur radio frequencies sometime in the mid morning hours with requests for information. That is all the detail we have or will probably get.

Here is the condensed Operations Order

GENERAL OVERVIEW:

EXECUTION OF THIS COMEX REQUIRES COORDINATION WITH RADIO STATIONS IN THE AMATEUR RADIO SERVICE (ARS).

TRAINING EXERCISE SIMULATES A NATIONAL CRISIS SITUATION.

THROUGHOUT THE COMEX, STATIONS SHOULD OPERATE UNDER EXERCISE CONDITIONS THAT SIMULATE A COMPLETE UNAVAILABILITY OF CYBERSPACE, ELECTRICAL, AND TELECOMMUNICATIONS INFRASTRUCTURE FOR A PROLONGED PERIOD OF TIME. ALL MARS AND AMATEUR RADIO STATIONS SHOULD PLAN TO TRAIN IN THE COMEX, REGARDLESS OF THEIR ABILITY TO USE BACKUP POWER.

FRIENDLY FORCES

- (1) AIR FORCE MARS
- (2) ARMY MARS
- (3) AMATEUR RADIO OPERATORS
- (4) DOD FORCES
- (5) DEPARTMENT OF HOMELAND SECURITY
- (6) AMERICAN RADIO RELAY LEAGUE

MISSION

AD HOC LOCAL COORDINATION WITH AVAILABLE AMATEUR RADIO RESOURCES.

DEMONSTRATE INTEROPERABILITY BETWEEN DOD NETWORKS, GOVERNMENT, AND AMATEUR RADIO STATIONS.

INTENT

ESTABLISH AND SUSTAIN DEPENDABLE, MULTI-LAYER HF RADIO-ONLY NETWORK COMMUNICATIONS TO SUPPORT DOD OBJECTIVES AND INTERFACE WITH RELEVANT AMATEUR RADIO NETWORKS AS REQUIRED TO FULFILL DOD REQUIREMENTS.

(continued on the next page)

THE BIG PICTURE (cont'd) – News from Green Country Hamfest, ARES, Skywarn...

Upcoming MARS COMEX May 7th (cont'd)

CONCEPT OF OPERATIONS

THIS COMEX IS DESIGNED TO EMULATE A SCENARIO THAT WOULD NORMALLY OCCUR FOR A PERIOD OF SEVERAL MONTHS OR LONGER. HOWEVER, THE COMEX IS CONDUCTED OVER A HIGHLY COMPRESSED TIME PERIOD TO EXERCISE REQUIRED MISSION CRITICAL TASKS WITHIN A VOLUNTEER FORCE.

UTILIZING MARS STATIONS AND LOCALLY AVAILABLE AMATEUR RADIO STATIONS AS SOURCES, REPORT ON ALL OBSERVATIONS AND INFORMATION AS REQUESTED.

REPORTABLE OBSERVATIONS

REQUESTED OBSERVATIONS MAY BE REPORTED FROM MARS STATIONS, AMATEUR RADIO STATIONS, OR ANOTHER VALID SOURCE SUCH AS GOV AGENCY, WEATHER SERVICE, ETC. ONLY REAL CONDITIONS THAT ARE ACTUALLY OBSERVED ARE REPORTED.

AMATEUR RADIO ACTIVITY

AMATEUR RADIO ACTIVITY IN THIS COMEX IS INTENDED TO PROVIDE AN OPPORTUNITY FOR INDIVIDUAL, NON MARS AFFILIATED AMATEUR RADIO STATIONS TO SUPPORT A DOD ACTIVITY IN A REALISTIC, AD-HOC MANNER. STATE MARS DIRECTORS, THROUGH THEIR CIVIL AFFAIRS OFFICERS (A) AND EMERGENCY COORDINATORS (AF) HAVE PRIMARY RESPONSIBILITY FOR COORDINATING LOCAL, AD-HOC AMATEUR RADIO SUPPORT AND SHOULD TAKE IMMEDIATE ACTION TO COORDINATE THIS ACTIVITY WITH IINTERESTED LOCAL AMATEURS, GROUPS, AND CLUBS. FOR THE PURPOSES OF THIS COMEX NO DISTINCTION IS INTENDED BETWEEN INDEPENDENT AMATEURS, ARES OR RACES AFFILIATED AMATEURS AND ORGANIZATIONS.

INTERNET AND STORE AND FORWARD TYPE SYSTEMS WILL NOT BE USED DURING THIS EXERCISE.

Bill Stewart WA9AQQ / AFD6SC
 Deputy Director Region 6 Air Force MARS
wrkestew@suddenlink.net

Listen for the 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)

Listen for the ARES Oklahoma HF Net @ 2130 hrs UTC (1630 CDT)

Every Sunday 7.260 MHz (alt freq 3.900 MHz)+/- QRM



THE BIG PICTURE (cont'd) – 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)

Tally's Cafe, 11th & Yale

Schedule for 2015: 26 APR 24 MAY 25-26 JUN (ARRL Field Day) 26 JUL 23 AUG 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: 17 MAY 21 JUN 25-26 JUN (ARRL Field Day) 19 JUL 16 AUG 20 SEP 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: 02 MAY 06 JUN 05 JUL (Tuesday due to holiday) 01 AUG 08 SEP (Tuesday due to holiday) 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: 25 JUN 29 SEP 31 DEC

Tulsa Digital Radio Club

Second Saturday of every month 1300 (1 PM)

Broken Arrow Central Library

300 W Broadway

Schedule for 2016: 14 MAY 11 JUN 09 JUL 13 AUG 10 SEP 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: 12 MAR 14 MAY 11 JUN 09 JUL 13 AUG 10 SEP 08 OCT 12 NOV 10 DEC

HAMFEST SCHEDULE**GREEN COUNTRY HAMFEST 07 - 08 APR 16**

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 12 MAY 16.

greencountryhamfest.org/

DAYTON HAMVENTION 20 – 22 MAY 16

Hara Arena

Dayton OH

hamvention.org

DALLAS HAM-COM 10 – 11 JUN 16

Irving Convention Center

Irving TX

hamcom.org

OKC HAM HOLIDAY 22 – 23 JULY 16

Biltmore Hotel

I-40 at Meridian

Oklahoma City, OK

hamholiday.org

TEXOMA HAMARAMA 21 – 22 OCT 16

Ardmore Convention Center

Armore OK

texomahamarama.org

THE BIG PICTURE (cont'd) – News from Green Country Hamfest, ARES, Skywarn...

VE Test Sessions

WALK-INS ARE WELCOME AT ALL SESSIONS!

ARRL VEC 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: 12 MAY 14 JUL 15 SEP 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: 07 MAY 02 JUL 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: 11 JUN 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: 02 JUL 01 OCT

W5YI VEC SESSIONS:

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: 30 APR 25 JUN 27 AUG 29 OCT 31 DEC

THE BIG PICTURE (cont'd) – News from Green Country Hamfest, ARES, Skywarn...

Eastern Oklahoma / Northwestern Arkansas



SKYWARN STORM SPOTTER PROGRAM

We are a collection of volunteers and professionals that participate in the Skywarn Concept for the benefit of the counties served by the National Weather Service in Tulsa Oklahoma.

We have a volunteer group of people who serve on an Advisory board with members of the Weather Service and Emergency Managers, spotters, etc... to help improve communication and information flow, adopt and promote standards for severe weather warning networks, and encourage professionalism in the volunteer ranks. We also staff the HAM desk at the NWS Tulsa with qualified volunteer HAM's during severe weather events.

We are NOT a Club or Organization! We have no charter or official structure. We do not recruit spotters or chasers, nor do we organize or direct them exclusively during severe events. However, we encourage all persons who participate in Skywarn activities (Emergency Managers, Spotters, Media, Net Controllers, etc...) to register in our database so that we can improve communication and knowledge among our various groups and agencies.

More importantly, ALL people in our County Warning Area are encouraged to attend spotter training, and if possible participate in one or more of our committees or activities. There is no exclusivity, formality, or title required for participating.

Instead we expect that people who want to help, make it known to us and come forward to participate on their own.

OKARKSKYWARN.ORG is only successful when we have broad, consistent, participation from our many representatives.

We hope that if you are not one, you will become one soon!

SEVERE WEATHER REPORTING CRITERIA

Report these items during a Skywarn Net

WHEN NET CONTROL ASKS ONLY FOR TORNADO REPORTS, HOLD ALL OTHER REPORTS!
OR CALL 1-800-722-2778, OR USE THE "SUBMIT A STORM REPORT" FEATURE OF THE NWS WEBSITE

PRIORITY

TORNADO

PERSISTENT, ROTATING WALL CLOUD

(duration of at least 10 minutes)

FUNNEL CLOUD

SECONDARY IMPORTANCE

HAIL 1 INCH OR LARGER

(1 inch hail is the size of a quarter; compare to coins, golf balls, etc.)

WINDS 58 MPH OR GREATER

DAMAGE AND MAJOR FLOODING

FOR WIND AND HAIL REPORTS, MEASURED IS BEST, BUT ESTIMATED IS ACCEPTABLE, BUT PLEASE STATE IF MEASURED OR ESTIMATED.

DO NOT REPEORT RAIN OR LIGHTNING! DO REPORT FLOODING OR LIGHTNING DAMAGE!

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
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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

Our Website: www.tulsahamrdio.org

Our Facebook: <https://www.facebook.com/groups/189314365941/>

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

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: