



THE SIGNAL



Official Newsletter of the
Tulsa Repeater Organization



Vol. 49 Issue 4 June 2016

“Covering Tulsa through the air”

UP FRONT – A Word from the Editor

This year seems to be a year of change, even though some things have remained the same. Our country will elect a new president this year. The TRO already has! We also have a new Membership Chair. The Maple Ridge Run moved to the northern section of the neighborhood. Tour de Cure this year added a 100 mile ride that went to Muskogee, and adjusted the other routes as well. Tulsa Tough also redesigned their routes, and took away my normal assignment at the Kiefer rest stop, but I stil got to help at another location not far from me.

Another major change this year is the TRO Field Day location. While we have enjoyed combining efforts with the Tulsa Amateur Radio Club at Chandler Park for the last few years, we feel that we needed to do something different this year. I'll let President Mark Conklin tell you the details in Prez Sez.



In This Issue

PAGE 1 Up Front

The Official Word

Prez Sez

PAGE 3 For The Record

Meeting Minutes

PAGE 5 Getting
Technical

Engineering Report

PAGE 6 *Repeater Status*

PAGE 7 Getting Radio
Active

Activities Report

Camp Bandage

PAGE 8 *TRO Events*
TARC Events

PAGE 9 *Maple Ridge*
2016

Tour de Cure 2016

PAGE 11 *The Big Picture*

PAGE 12 *Club Meetings*

Hamfest Schedule

PAGE 13 *Test Sessions*

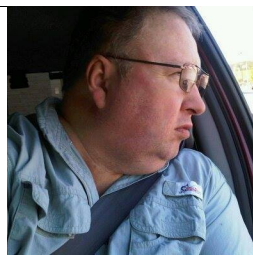
Making Contact

PAGE 14 *TRO Officer*
Contact Information

THE OFFICIAL WORD! - What Our Leaders Have To Say

PREZ SEZ - Mark Coknlin N7XYO

The Tulsa Repeater Organization welcomes you to the Field Day site at the Okmulgee County EOC, 110 N. Alabama Ave Okmulgee, OK 74447. Talk in 147.225+88.5pl



When: June 25-26

Set up starts at 0900hrs Local

Feld Day contest begins June 25th 1800hrs UTC (1300 local, 1 PM) runs 24 hours.

TRO Club Picnic 1700hrs Local Saturday eve.

*** TRO Club Picnic 1700hrs Local on Saturday *** (side dishes are pot luck, see details below)

For members we have a few prizes to give-away, including a Dual-Band Handi-Talkie!

(continued on next page)

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

PREZ SEZ - cont'd

Sign up to so we know how many will be at the picnic and what you're bringing to this fun family event!
Sign up on at Volunteer Spot: <http://vols.pt/Fongvz>

Field Day is an annual amateur radio exercise, community fun event, sponsored by the ARRL, encouraging emergency communications preparedness among amateur radio operators. In the United States, it is typically the largest single emergency preparedness exercise in the country, with over 30,000 operators participating each year.

The Club will provide for the picnic: Hamburgers, hot dogs, buns, condiments, plasticware, paper plates, & basic drink selection of water, sweet & un-sweet tea. If you wish to drink soda or other soft drinks, please provide your own.

We are asking that members bring something to add to the picnic, such as a side dish, chips, or desserts. The recommended items are potato salad, baked beans, coleslaw, you know picnic food. Let us know what you are going to bring using <http://vols.pt/Fongvz> so we don't have too much potato salad and not enough of the other sides.

Will you be bringing along guests (family and friends)? We need an accurate head count so we can have enough burgers, dogs and fixings for everyone.

Map to EOC can me found at: <https://goo.gl/maps/t252WbScKMH2>
Come on out and enjoy the fun of HAM radio at Field Day... hope to see everyone there.

73 Mark Conklin, N7XYO

FOR THE RECORD – Minutes and other organizational stuff

MEETING NOTES – DOUG LEE, KC5ZQM



Tulsa Repeater Organization May 2016 Membership Meeting Tally's Good Food Cafe 11th & Yale

Vice President Paul Young, KE5EHM, conducted the meeting because President Mark Conklin, N7XYO, was away on vacation.

No visitors were present, so the meeting opened with introductions at 1906. Twelve members were present.

Treasurer Steve Miller, AA5V moved to accept the minutes of the April membership meeting as given in The Signal. Activities Chair Kenneth Baucum, KG5CBM, seconded, and motion passed.

Kenneth KG5CBM moved to accept the minutes of the May Executive Committee meeting as given in The Signal. Engineering Chair Joe Gorkos, N5TEX, seconded, and motion passed.

(continued on next page)

FOR THE RECORD cont'd– Minutes and other organizational stuff**Tulsa Repeater Organization May 2016 Membership Meeting - cont'd**

Steve AA5V had distributed copies of the Treasurer's Report to everyone before the meeting. Kenneth KG5CBM moved to accept as presented, APRS Engineering Chair Ben Joplin, WB5VST, seconded, and motion passed.

Engineering Report: Joe N5TEX reported that Merlin is making progress on programming the controller on the new 146.880 repeater.

Activities Report: Kenneth KG5CBM explained that we are using Volunteer Spot for sign up to help ease the planning process, and to enable sending updates with one email to all volunteers for a particular event instead of sending separate emails to each volunteer.

He also discussed current details on Maple Ridge Run, Tour de Cure, and FreeWheel.

Maple Ridge Run: Meet up early at Maple Park, 15th and Madison, because police will block off the streets as early as 0630. Command Post will be Kenneth's SUV. Frequencies for talk-in and the Net will be 146.880 repeater, with 146.550 simplex as a backup. Someone mentioned that the 146.940 repeater is nearby, at the Sun Building.

FreeWheel: needs more volunteers to sign up. It runs from 18 – 25 JUN, the week before Field Day, but Kenneth, KG5CBM is only asking for help from the 19th on.

Public Relations Report: Doug Lee, KC5ZQM discussed Camp Bandage, the Foxhunt, and Field Day.

Camp Bandage: not as big a display as last year, so not as many visitors from the public. Two new things we had this year were the Sub Club tower, and the Foxhunt playing on Doug KC5ZQM's portable station. The Foxhunt did attract some attention from visitors.

Foxhunt: Kelly Walls, KD5HPG, was found at 1108 by Landy Bible, KF5ZKR, so we will have a new fox for next month's Foxhunt.

Field Day: Doug KC5ZQM will set up a small literature display, and at least a couple of banners.

Membership, By-Laws, and Operating Standards Chairs were not present, so no reports from them.

Vice President Paul KE5EHM updated us on his recovery from surgery.

Old Business:

We have use of the Electron Benders' W5OK callsign this year. Next year, TARC will use it, and both clubs will alternate from year to year afterwards.

Field Day location is the Okmulgee EOC, 110 N. Alabama Ave., Okmulgee OK 74447. Time will be from 0900 Saturday 25 JUN to 1300 Sunday 26 JUN.

Doug KC5ZQM asked Steve AA5V about the inventory of club equipment. Steve said he had all the reports in from the repeater site chairs, but he just needed to consolidate them into a single report. Doug then reminded Steve that he needed a copy of the report for club records.

Kenneth KG5CBM, stated he no longer needed the antenna he requested for Activities; he only needs a mast up to 20 feet. He will donate what he has, and Paul KE5EHM he has some sections that he will donate also at Maple Ridge.

Field Day plans:

Joe N5TEX will bring a radio with antenna and coax.

(continued on next page)

FOR THE RECORD cont'd– Minutes and other organizational stuff**MINUTES; May 2016 TRO Membership Meeting 24 MAY 16 - cont'd**

Tony White, KA5TRO, said he would be assisting the Broken Arrow EOC with their Field Day, but he offered use of his equipment.

Doug KC5ZQM will bring out the Ham Aid station, but will need help with the G5RV antenna.

Head count by meeting time, via Volunteer Spot, was 3 for Saturday, and 2 for Sunday.

Cooking will be done by Boy Scouts.

Kenneth KG5CBM moved at 1945 to dismiss. Steve AA5V seconded and motion carried.

Doug KC5ZQM then presented a short speech about Public Relations and The Average Ham.

Tulsa Repeater Organization Executive Committee Meeting 14 JUN 16 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

Engineering Chair Joe Gorkos, N5TEX

Operating Standards Chair Ed Compos, K5CRQ

Membership Chair Tom Stroud, KD5OPH

President Mark Conklin, N7XYO opened the meeting at 1904.

Vice President Paul Young, KE5EHM, moved to waive the reading of the minutes and accept as emailed to the Committee by Secretary Doug Lee, KC5ZQM. Operating Standards Chair Ed Compos, K5CRQ seconded, and motion carried.

Treasurer Steve Miller, AA5V passed out copies of the Treasury report and current club membership roster. Doug KC5ZQM moved to accept the report as presented. Paul KE5EHM seconded, and motion passed.

Engineering Chair Joe Gorkos, N5TEX discussed the progress of the 146.880 repeater project, and the performance of the 444.950 during the Tulsa Tough Bike Tours the previous weekend.

146.880 project: The repeater was working good, then a key up caused two transmitters to activate, but issue has been resolved. Trustee Merlin Griffin, WB5OSM, is still working on the programming. Installation will have to wait until 09 JUL, and will require disassemble of the old unit for removal.

444.950 performance: Worked great during Tulsa Tough. It will have to be moved to the Sun Building, because TARC plans to put a new Fusion system in the current location at the studios of Channel 8 on Lookout Mountain.

Field Day plans: Okmulgee EOC can go all day and night; has towers in place and masts available; fence can be used to support push up poles. HF stations can be separated physically because the EOC has an ICOM IC706 in the Comm Room, and we can put radios in the Operations and Conference Rooms as well. Prizes for the members-only drawing are in. Head count for the picnic could be as
(continued on next page)

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

MINUTES: TRO Executive Committee Meeting – cont'd

high as 35 to 50. Talk in will be on the 147.225 Preston repeater.

Mark Conklin then referred to an email request concerning the Jamboree On The Air in October, forwarded by Activities Chair Kenneth Baucum, KG5CBM, to the Committee. We do not need to take action on it now, but we should investigate.

Ed K5CRQ made a motion at 1952 that we dismiss. Steve AA5V seconded, and motion carried.

GETTING TECHNICAL – Engineering Report, Repeater Status

ENGINEERING REPORT – Joe Gorkos, N5TEX



The following information comes from both Merlin Griffin, WB5OSM , and Joe, N5TEX:

The new 146.88 repeater will not have an interactive DVR, like the old one. The current DVR is DOA, and I don't know if it is fixable. It's ancient technology, although still one of the best ever made. I don't know if it will be compatible with the SCOM controller.

What the SCOM does allow, is customization of the audio. It has a library of built in words you can build messages from. It also allows you to record and save some messages, but not really on-the-fly like the old one. That would be do-able in a way, but would require an internet connection, or to keep a computer with dial up modem and remote access program like Norton's PC Anywhere, and I am sure there are some freeware versions of it out there too, up at the site.

Now I've been in quite a bit of contact with an engineer from SCOM and he tells me there is a major firmware upgrade for the SCOM 7330 just released. It with an internet connection and about \$65.00 in hardware allows a remote front panel connection to the controller, and you can also set up an IRLP node on the controller, and control it that way.

However, for right now, I am planning to just have some pre-canned messages, that will rotate through on a regular basis. Already the machine makes a routine greeting at the top of the hour, date, time, day of week and call sign. It may have the club's acronym TRO in it, if it doesn't it will. Then at the bottom of the hour, I have it playing a message about how to use the remote receivers, and where they are.

Bob is going to try to get a little more isolation between receiver and transmitter when we get the new stuff up there, and 88.5 will work the Cityplex receiver, and I guess we will change Owasso-Keetonville to 141.3. That is a hot receiver out there. I sat at the meeting one night keying it with an HT on low power from inside Tally's. The hill out there is around 800 feet above Mean Sea Level and the tower is around 250 feet above that. They supplied us a DB-224 with a heliax and lightning suppression, for free. The tower belongs to Muskogee Communications and their chief tech is Joe Borovetz WA5VMS. I was a little concerned when we moved up there, that we share the site with a 100 watt VHF repeater for Limestone VFPD. However, it doesn't seem to bother us. I think most of the other stuff up there is on UHF, except for an APRS node on 144.39. The Skiatook receiver doesn't do bad either, we are checking to see if we can do something bigger and higher, but nothing has come of it yet.

Then I want to set up a rotation where the little sound track you recorded about when and where the club meeting is will play at the bottom of the hour. Then another one will rotate about the TRO sponsored VE exams. Then I am working on another one about "We are looking for a few good hams to help with a Public Service Event and to contact Ken KG5CBM, KG5CBM@Tulsahamradio.org ."

Since right now to change the verbiage of these messages, I would have to lug a lap top up to the site and change it, we will just go with kind of generic stuff. We can't announce what the presentation at the meeting will be, just that we have a meeting. We won't be able to say Tour de Cure, or Bike MS, just a Public service event.

(continued on next page)

GETTING TECHNICAL cont'd – Engineering Report, Repeater Status

REPEATER STATUS
146.805 (-) PL 88.5 71 st & Yale - Working
148.880 (-) PL 88.5 (Keatonville receiver), 82.5 (Skiatook) or 141.3 (CityPlex) 81 st & Lewis - Working
146.940 (-) PL 88.5 Sun Building, 9 th & Detroit - Working
444.1 (+) PL 88.5 Skyline East 41 st & Skelly Drive - Working
442.725 (+) PL 88.5 Water tower NW of Skiatook - Working
444.950 (+) PL88.5 Lookout Mountain - Working
ATV Repeater – Off the Air (equipment removed)

Engineering Report – cont'd

During weather nets we can issue a command that sets a drop out message that plays every so often on the squelch tail, that says, "Severe Weather Net Activated, please contact Net Control WX5TUL," and then a WX in CW. If someone keys up when it's talking, it will just send the WX in Morse Code. During public service nets, we can have it say, "Public Service Net Active, please contact net control." Then in either case there will be a simple command that changes it back to normal.

Unlike the ACC controllers the SCOM allows a mixed message format. You can do speech, morse code, beeps, bleeps, bops, DTMF tones, PL Tones, and/or pager tones all in the same message. This could be used to wake up some other piece of equipment somewhere. Say we wanted to link to another repeater somewhere

at certain times, or use it to page some of our guys out for certain events. This is kind of what's taking so long with the project. The SCOM has a lot of capabilities and almost all of it software defined. Some of the levels are set both ways, a potentiometer inside the beast, and/or commands given through the software.

Another thing that takes so long is this is command line programming; no one has come up with a GUI for it yet. I do have a tool called Prog7330 that helps. It inserts the passwords for you, and you can type in the built-in words for the messages, then the code numbers for your custom audio, and it will translate this into the commands that the 7330 understands, help identify syntax errors then save it in a nice little file you can store on a flash drive, hard drive, in the cloud, wherever. It even supports some documentation statements for if I come back later, or somebody else needs to work on it, we can tell what we've done.

I am working with a guy from California, an SCOM expert, that can get us some professionally done custom audio for the controller, that will match the built in voice. Professional Radio Announcer with Studio grade equipment It will add words like Tulsa, Tulsa Repeater Organization, our web site and Facebook addresses, Green Country Hamfest, other things custom to our area. The estimate is about \$40. We are waiting upon a firm quote. He will be doing some for another SCOM group in Colorado, and Los Angeles. I think some of it will be for the Cactus Intertie, that links much of the SW U. S. together. Some of this may be in a future release of SCOM standard speech words, but probably not those custom for the Tulsa area, and the Tulsa Repeater Organization. Some of it will be complete announcements like for VE Testing or the Green Country Hamfest Also once we get the files from him, I will be able to take audio editing software, slice it up into individual sound bites or words to mix and match into new announcements.

Due to some of the longer complete announcements, such as one for VE Testing. Now the quote is \$60.00. However, for this price the announcer will do multiple takes until he gets it perfect. Mike Morris, WA6ILQ, says it will not go above this. If there are any extra charges over and above this he will take care of it himself. Also once we get the files they are ours to edit as we please. You can run them through an audio editing program and take them apart into individual words or short phrases, and reassemble them into new ones.

I have just a few more minor tweaks to the programming and other than the custom audio, the SCOM and new repeater will be ready to go. Bob, Joe, and I are thinking about installation on July 4, weekend. We are avoiding Field Day weekend, since we know many of you are already busy with those plans.

Good news on 146.88 repeater! We are ready to install the new 146.88 repeater possibly on Saturday July 2nd at City of Faith. We will need assistance removing the old equipment and installing the new repeater. Lots to be done, we will give the actual time and meeting location on Facebook.

GETTING RADIO ACTIVE - Activities Report, Schedule of TRO Events

ACTIVITIES REPORT – Kenneth Baucum, KG5CBM

I'd like to thank all of our amazing volunteers who came out in support of Maple Ridge Run and Tour de Cure this month. Some of you pulled double-duty for TARC and helped out with Tulsa Tough as well -- so it's been a full month! Oklahoma Freewheel is happening this week, and we still have room for volunteers if you want to help out. Contact Kenneth Baucum, KG5CBM via email at kg5cbm@tulsahamradio.org to sign up. It's going to be a hot week for the cyclists, but we'll do our best to keep them safe. I have fuel-reimbursement checks for those of you who helped out at Tour de Cure -- I'll bring them to the meeting and for those who are not usually at the meetings, I'll try to reach out to you via email or phone to make arrangements. I'll see you all at the next meeting!



TRO At Camp Bandage 2016

by Doug Lee, KC5ZQM

Camp Bandage for me started the night before the event. I went out that Friday evening to make sure the tent got set up, hang some banners, and leave the PR kit. This was to make sure that if any of our people arrived before I did Saturday morning, they would be able to find our spot easily.

The Camp Bandage staff also had a cookout for the volunteers helping with the general set up. I showed up with a bag of mesquite BBQ flavored chips, which went well with the burgers and brats they served.

On the drive back to Chisholm Trail Park South the next morning, I encountered some heavy fog between Kiefer and Bixby. Because our location was not far from a pond, I knew that moisture could be a problem. No water got into the PR boxes, but the tables were wet with dew. Fortunately, I had a clean rag that, along with sunshine, had the tables dry before I set up the literature display.

But first, I set up my portable station, including the antenna and PVC mast.

The last time I set up the antenna and mast, I didn't have a good way to adjust the tension on the guy lines. This time, I had some tensioners made of short pieces of PVC pipe with grooves cut across both ends of each piece, and hose clamps at each end to hold the tensioner in place on the line.

Eventually, our display included the Sub Club's tower trailer, the Command Post radio box built by Ben Joplin, WB5VST, an Elecraft KX3 brought out by Gary Burch, W5ODS, and the spotter/chaser vehicles of Ben, WB5VST, Stan Callahan, KA5STN, Kenneth Baucum, KG5CBM, and Ray Young, K5CFY. Stan also had a weather station mounted on Ben's mast, and a remote display of weather conditions on the PR table.

Though not part of our display, TRO members Brian Gnad, KB5TSI, and Paul Bisdorf, AE5PB, were right next to us representing Broken Arrow Emergency Management.

We didn't have as many visitors as last year, but then, we didn't have as big a display as last year. We did have two things this year that we didn't have last year: one was the Sub Club tower, and the other was the Monthly TRO Foxhunt.

I had my radio tuned to the Foxhunt on the 146.880 repeater, and audible on the external speaker I had plugged into the radio. The Foxhunt drew quite a bit of interest as it was happening, including some questions from one visitor interested in becoming a ham.

I tried to help the Foxhunters with signal reports and interpretation of the Fox's clues. From our location at 101st and the Creek Turnpike on my antenna, about 11 feet off the ground, and the
(continued on next page)

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

TRO at Camp Bandage 2016 - cont'd

Command Post radio with an antenna mounted on a mast on the trailer at about 25 feet, we could not hear him on the input at 146.280.

Kelly Walls, KD5HPG, the Fox, was found by the first Foxhunter at 1108. Charles Sharpe, AA5TC, the second and only other Foxhunter participating that day, found Kelly at 1128, so Kelly ended the foxhunt at that time.

Gary, W5ODS tried to work some CW on his KX3 and on the Ham-Aid Icom IC-718, but the bands weren't very good. He managed only one contact.

Even though it involved a good amount of work by a number of people, Camp Bandage was fun! I'm already looking forward to next year. Thanks to everyone who helped out!



GaryBurch, W5ODS tunes the Ham Aid station for CW at Camp Bandage 2016, Chisholm Trail South Park, Broken Arrow 21 MAY 2016

TRO EVENTS

PUBLIC SERVICE

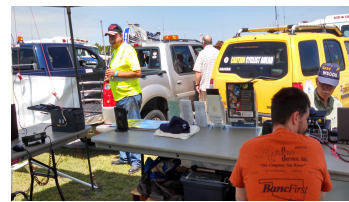
Freewheel Oklahoma
19 – 25 JUN 16
Madill OK to Caney KS

ARRL Field Day
Saturday – Sunday, 25 – 26 JUN 19
Okmulgee EOC
110 N Alabama Ave

TARC PUBLIC SERVICE EVENTS

ARRL Field Day
Saturday – Sunday, 25 – 26 JUN 19
Chandler Park
21st & 59th West Ave.,

NAME	CALL	COMMENT
Ray Young	K5CFY	Brought and set up Sub Club tower trailer
Paul Young	KE5EHM	Vice-President
Kenneth Baucum	KG5CBM	Activities Chair; displayed vehicle
Stan Callahan	KA5STN	Past President; weathe station; displayed vehicle
Chris Redman	KG5KBL	Assisted with set up and tear down
Ben Joplin	WB5VST	Command Post station; HF station; mast; solar panels
Brian Gnad	KB5TSI	Broken Arrow Emergency Management
Paul Bisdorf	AE5PB	Broken Arrow Emergency Management
Gary Burch	W5ODS	HF station; CW operations
Mark Conklin	N7XYO	President
Jim Moore	KB5RMK	Visitor; K-9 Search Dogs Oklahoma
Tim	KG5TIM	Visitor
Shannon	KG5TIN	Visitor
Don Miller	KG5NNO	Visitor
Charles Sharpe	AA5TC	Visitor, Foxhunter
Craig Wooten	KD5CUZ	Visitor
Tim Hallman	K9DOK	Vistor, K9 Search Dogs Oklahoma
Doug Lee	KC5ZQM	Secretary; Public Relations Chair



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

2016 Maple Ridge Run Saturday May 28th 2016

Report Dated: 2016-06-06

Submitted by: Kenneth Baucum, TRO Activities Committee Chairperson

Volunteer List: Kenneth Baucum, KG5CBM, Net Control

Ben Joplin, WB5VST, Safety 1

Doug Lee, KC5ZQM, Safety 2

Ray Young, K5CFY, Safety 3

Stan Callahan, KA5STN, Safety 4

Paul Young, KE5EHM, Safety 5

John Grace, KD5VSB, Safety 6

Bob Hildebrand, KG5MQQ, Safety 7

Statistics: 8 Volunteers, at 7 static posts, with 1 Command Post operator

89 messages passed over the air

3 requests for or offers of assistance

20 man-hours volunteered

Narrative: At 0700, radio operators began arriving at 16th and Madison in Tulsa, to begin setup for support of the annual Maple Ridge Run.

Around 0730 the radio net was opened and resources were deployed to the route. At 0800 the first runners were observed leaving the starting line and their progress was monitored as they circled the route.

The event went without major incident. The communications net was closed at approximately 0930 and all units informed to stand down.

Lessons Learned: New logging software implemented by the Net Control station worked very well. A few minor areas of improvement were noted. A paper pad and pen proved to be a valuable backup to an otherwise very efficient system of logging.

The location for the radio command post was ideal in dry conditions, but mist and light rain made staying dry a temporary concern.

Praises: The Tulsa Repeater Organization was proud to be able to help the Maple Ridge Run once again and we salute the event organizers for their efforts in keeping runners and riders safe and providing a safe and welcoming atmosphere for our team to volunteer. Thank you once again for an excellent event, tshirts and for giving us a place to practice our skills of communication and be able to help keep the community safe while supporting a great cause!

2016 Tour de Cure Saturday June 4th, 2016

Report Dated: 2016-06-06

Submitted by: Kenneth Baucum, TRO Activities Committee Chairperson

Volunteer List: Kenneth Baucum, KG5CBM, Net Control

Ben Joplin, WB5VST, APRS Position Monitoring

Bob Hildebrand, KG5MQQ, SAG 1

Paul Teel, WB5ANX, SAG 2

Jerry Weikel, KE5PMK, SAG 3

(continued on next page)

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

2016 Tour de Cure Saturday June 4th, 2016 – cont'd

Volunteer List (cont'd):

Ray Young, K5CFY, SAG 4
Brian Gnad, KB5TSI, SAG 5
John Grace, KD5VSB, SAG 6
David Siebert, KF5YZW, SAG 8 [sic]
Tom Stround, KD5OPH, Safety 1
Stan Callahan, KA5STN, Sweep 24
Paul Young, KE5EHM, Sweep 45
Daniel Wills, KF5RHH, Sweep 70
Bart Pickens, N5TWB, Sweep 100

Statistics: 14 Volunteers, in 12 SAG vehicles, with 2 Command Post operators

171 messages passed over the air

26 requests for or offers of assistance

114.9 man-hours volunteered

Narrative: At 0600, radio operators began arriving at Hillcrest Hospital South, near 91st and US-169 to begin setup for support of Tour de Cure, a cycling fund-raiser for diabetes research sponsored by the American Diabetes Association.

At 0730 the radio net was opened and resources were deployed to the route. At 0738 the first cyclists were observed leaving the starting line and the SAG vehicles began dispersing quickly to monitor the route.

Rain began to make its way into the area around 0800 with a heavy downpour moving through between 0815 to 0845 from north to south along the entire course.

One of the SAG drivers was alerted visually to an incident as he drove between Rest Stop 1 and Rest Stop 2 at about 8:45am, where he stopped and advised that he was out of the vehicle to investigate a cyclist who appeared to have crashed and he was going to see if any help was needed. He noted that the rider had hit her head, hip and received some "road rash" and required first aid. At 8:51am, he began loading and transporting both the injured rider and a riding companion to rest stop number 2, noting that it was the closest rest stop to the incident and they did not seem to require 911 emergency medical assistance. The driver confirmed later that she was treated by medical personnel at that rest stop, and that medical personnel were told she had experienced several concussions previous to this event, but the medical personnel didn't recommend any emergency transport, so we took care to monitor her state of mind throughout the remaining interactions we had with her. At 9:28am, the driver called and advised that he was transporting both riders to the start/finish line and that they were not going to complete the ride. The riders were dropped off at the finish line at about 10:22am.

The remainder of the event went without major incident.

At approximately 12:41, one of our SAG drivers noted that 3 cyclists had made a wrong turn and were about 8 miles off course. The driver made an effort to stop and communicate with the cyclists, and give them directions to return to the course, and offered to transport them. Two cyclists elected to continue riding, while one asked for transport. A few quick calculations were made at the command post, and it was determined that the rest stops and event headquarters would likely be closed before the cyclists could reach any of them, and that at the moment we knew they were off course, the nearest open rest stop was 20 miles away. By the time they were back on course, the next nearest rest stop was 30 miles away. A decision was made to have one of the drivers who was previously released from duty to make a run out to the cyclists with water. A driver volunteered for *(continued on next page)*

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

2016 Tour de Cure Saturday June 4th, 2016 – cont'd

the job, and delivered the water, while the driver who originally found them off course stayed with them to ensure they returned safely to the finish line.

The last rider crossed the finish line at around 1515. The communications net was closed and all remaining units informed to stand down.

Lessons Learned: New logging software implemented by the Net Control station worked very well. A few minor areas of improvement were noted. A paper pad and pen proved to be a valuable backup to an otherwise very efficient system of logging.

The location for the radio command post was ideal in dry conditions, but blowing rain made hearing the radio difficult and staying dry became a concern quickly. In the future, the command post may seek shelter indoors or in a vehicle, such as the donated RV.

Suggestions: The roadside signage is great for SAG drivers to visualize and drive the route backwards, but the roadside paint markings could use improvement in some areas. I'll work to find out where the complaint was found, to help gauge the effectiveness.

For other events, we find a single mark every one to two miles, or two marks before a turn and one after a turn to confirm are usually most helpful.

Praises: The Tulsa Repeater Organization was proud to be able to help Tour de Cure once again and we salute the Tour for its efforts in keeping riders safe and providing a safe and welcoming atmosphere for our team to volunteer. Thank you once again for an excellent lunch, tshirts and for giving us a place to practice our skills of communication and be able to help keep cyclists safe while supporting a great cause!



The Crew



Net Control KG5CBM



Trike Race Line Up

Scenes from Maple Ridge Memorial Day Run 2016

THE BIG PICTURE – News from Green Country Hamfest, ARES, Skywarn...

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 2016: 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: 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: 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: 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: 09 JUL 13 AUG 10 SEP 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/

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

Armored OK

texomahamarama.org

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.

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: 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: 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: 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

Tulsa Amateur Radio Club

Third Saturday of every month at 0900
Pentecostals of West Tulsa 2124 W 41st Tulsa OK

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: 25 JUN 27 AUG 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/189314365941/>

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

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: