



# THE SIGNAL



Official Newsletter of the  
Tulsa Repeater Organization



Vol. 48 Issue 4 October 2015

“Covering Tulsa through the air”

## UP FRONT – A Word from the Editor

So far, 2015 has been a busy year for me! I have worked a combination of 12 public relations and public service events, along with generating reports on the public service events where I served as Net Control and a couple of the PR events, and generating the weekly Bulletin and The Signal. On top of that, I worked on my portable station and antenna mast, and squeezed in a large blog post. Then, during the first full week of this month, I attended two church conference services a day Monday through Thursday, and one on Friday morning.



With the Boy Scout Fall Festival ham radio demonstration / display on September 19, the PR calendar for the year is done. So, the PR agenda is clear until next April at Green County Hamfest in Claremore. Other activities are winding down too, with only a handful of public service events and the Christmas Party. Information about one of the events just recently came out and it is not primarily a ham radio event, but hams have been invited to join in. Army and Air Force MARS are holding a joint exercise based on a very large Coronal Mass Ejection, and the associated preparation and response efforts.

Things will start winding up again with Spotter Training in January, February, and March, unless an ice or heavy snow storm moseys on through the area and asks for a bit of our attention.

A major TNX and a big FINE BUSINESS to everyone who helped out with the all of the public relations and public service events this year. You all did a great job supporting the club, ham radio and our communities in 2015, now let's get ready to do a great job in 2016!

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## VEEP'S PEEPS – Paul Young, KE5EHM

This year has gone by fast for me. I have been busy doing a booth at the Oklahoma state Fair in OKC the last few weeks and missed a few events. TRO has two events left this year, ArchiTread 2015 Fall Edition and the Route 66 Marathon, both in November. If you can help on either one contact info is on our Facebook page

<https://www.facebook.com/groups/TulsaRepeaterOrganization/>. If you are a new Ham and want to get your feet wet, so to say, the ArchiTread will be a good one to start on.

TARC will be doing staging for the Sand Springs Christmas Parade and the Toys for Tots Toy Run in December. I am sure they could use some help on these two events if you have and questions about any TRO or TARC events you can email me [pdyoungatheart@msn.com](mailto:pdyoungatheart@msn.com) or call 918-637-8414. I hope to see every one at the next meeting or at one of the events



<b>Cystic Fibrosis Cycle for Life Nite Ride Public Service Communications Event</b>
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**EVENT INFORMATION**

**Name of Event:** Cystic Fibrosis Cycle for Life Nite Ride 2015

**Event Description:** Bicycle tour of Tulsa, 20 mile route mostly on the River Parks and Midland Trails with sections on streets in Downtown Tulsa and the Maple Ridge and Brookside neighborhoods.

**Date / Time:** 28 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](http://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 River Park Trails at Southwest Boulevard and Riverside Drive; follow the Trail down to Turkey Mountain Park, across the Arkansas River on the 71st Street Bridge, then north on the Trail to 34th Street; take 34th to Cincinnati, then north on Cincinnati to 25th, then west on 25th to the Midland Trail; north on the Midland Trail to 3rd Street; then Downtown streets to Guthrie Green.

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

**Plan of Operation:** We would begin setting up the TRO Command Post near the southeast corner of Guthrie Green at 1800. We would hold a briefing at 1845 and open the net at 1915.

We would cover the course with three (3) road SAG's and several Safeties. A volunteer last year stated at that time that he wanted to ride his bike in this year's event. Another volunteer expressed an interest in the month leading up to the event that he was willing to ride his bike as the sweep or tailgunner. We planned on two (2) bicycle SAG's, however the second volunteer had to drop out several days before due to a family obligation taking him out of state. The road SAG's would patrol the sections of the route that were on city streets and on the streets where the trails ran close to the streets. Safeties would be stationed at checkpoints where they would monitor and report on the progress of the riders. They would also relay word of any problems reported to them by riders. Safeties would stay on station until the last rider passed, then proceed to the next assigned checkpoint.

**NET SUMMARY**

**Frequency:** 146.940 WA5LVT Repeater (standard negative offset, 88.5 CTCSS tone)

**Start Time:** 1910

**End Time:** 2135

**Duration:** 2 hours, 25 minutes

**Number of Stations:** 10

**Number of Messages:** 68

## Cystic Fibrosis Cycle for Life Nite Ride Public Service Communications Event - cont'd

Table of Operators / Assignments

OPERATOR	CALL SIGN	TACTICAL CALL	DESCRIPTION
TOM STROUD	KD5OPH	NET CONTROL	COMM DIRECTOR
DOUG LEE	KC5ZQM	NET CONTROL	NET CONTROL
BRIAN L. GNAD	KB5TSI	SAG 1	ROAD SAG - DOWNTOWN
BART PICKENS	N5TWB	SAG 2	ROAD SAG – SOUTH & EAST
PAUL YOUNG	KE5EHM	SAG 3	ROAD SAG – WEST & BACKUP
STAN CALLAHAN	KE5HPB	SAFETY A	SAFETY CHECKPOINTS
MARVIN BAKER	KF5RPD	SAFETY B	SAFETY CHECKPOINTS
DUSTIN DYE	AF5XC	SAFETY C	SAFETY CHECKPOINTS
KENNETH BAUCUM	KG5CBM	SWEEP	BICYCLE SAG
GREGORY DEAN	K5OWX	SAG 4	BICYCLE SAG

**EVENT NARRATIVE**

**PLANNING AND PREPARATION:** While researching information about this event for the TRO Signal Bulletin in July, I noticed the organizers had moved the date up from October to August. This brought up a couple of concerns: the date was close to the projected date for the Claremore Lake Triathlon, which would make for an extra busy schedule for our volunteers; and TRO Activities Chair Tom Stroud, KD5OPH, who was already involved in planning comm support for the Center Of The Universe Music festival, the Triathlon, the Dam Jam Bicycle Tour, and Bike MS Oklahoma. Because of these concerns, and because this event is not that big, I decided to take the lead in organizing and planning for the Nite Ride to give Tom some relief.

However, we could not reach an agreement with Center Of The Universe about our duties, so we passed on that event, and the Triathlon was canceled, but I decided to continue with the planning for Nite Ride, because changes in the Bike MS route has presented extra challenges for Tom.

Last year, which was the first year for the Nite Ride, we faced a learning curve and chilly weather conditions. In retrospect, as Net Control, I believe that I sent volunteers to locations that the riders had already passed. I wished to avoid doing that again.

Last year, the event featured rides of ten (10), twenty (20), and forty (40) miles, mostly on bicycle and jogging trails. This year the Cystic Fibrosis Foundation decided to go with just the 20 mile ride.

The route saw several changes from last year to this year. First, the Start/Finish moved from the River West Festival Park, west of the Arkansas River, to Guthrie Green in northern Downtown Tulsa, due to the Festival Park undergoing reconstruction. Also, the closing of Riverside Drive between 21st and 41st Streets, due to construction of A Gathering Place, meant the transition from the River Park Trails to the Midland Trail would have to pass through residential areas. Some minor changes were needed to ensure a smooth and safe path through Downtown between Guthrie Green and the trails.

Christy Rife, Nite Ride Event Coordinator and Development Director for the Cystic Fibrosis Foundation, sent me a link to an interactive Google Map of the route. This allowed me to zoom in and examine the route and the surrounding areas in more detail than what a static map could provide. It also allowed me to create detailed maps of the Downtown area, the area south of Downtown, and the transition zone between the trails.

From this close examination of the route, I identified thirty-one (31) locations that would serve as road SAG staging points, safety checkpoints, and/or pick up points. I divided the route into ten (10) segments, and assigned identifiers

<b>Cystic Fibrosis Cycle for Life Nite Ride Public Service Communications Event - cont'd</b>
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**EVENT NARRATIVE, cont'd****PLANNING AND PREPARATION (cont'd):**

to these points using their segment number and a letter. 'A' represented the first point in each segment, 'B' the second point, and so on.

I chose the safety checkpoints as locations where the Safety operators could observe the riders' progress, and if a rider needed to report a problem, they should have access to the Safety volunteer.

The Pick Up Points were locations where the trails encountered streets or parking lots, or where the trails came close enough to the trails to allow the SAG's access.

I forwarded on a list of these locations to Christy, along with rider instructions for what to do in case help was needed,. In all situations, the riders were to call the CFF contact number and, if possible, report the situation to a ham radio operator. On parts of the route where the trails are not easily accessible from streets or roads, we would do the best we could to get help to the rider in need. In cases where 911 services were needed, we would assist the responders in locating the rider in need.

I also created documents for our volunteers that contained this information, plus basic instructions for them, and a SAG plan for the road SAG's.

Another issue I had to decide on was the location of the Command Post. Last year at the Festival Park, the organizers set up a stage for the ceremonies, and a local band performed. Our Command Post was set up far enough away that background noise from the stage did not interfere with the Net. That setting was open, without reflective surfaces confining the sounds, but Guthrie Green's Downtown location would present additional challenges.

During a phone conversation with Christy, she mentioned that on both sides of the stage are areas called "Green Rooms." They are not enclosed, but bordered by metal frames, with trellises and greenery. She said the one near the southeast corner would work for our Command Post, but I wanted to check it out for myself.

I went up to Guthrie Green on a Wednesday night, located the area Christy talked about, walked around while observing the layout and positions of the structures in and around the park, and thinking about how sound would reflect in that environment. I asked the security guard on duty if she had been there during a concert, and she said she had not because she had recently started that job. She did say that they would be showing "Kung Fu Panda" the following night. Cartoons usually have a lot of music, so I figured that would be a good time to check out how loud sounds carry and reflect in the area at nighttime. So, back I went the next night.

That night, the Drillers baseball team played at ONEOK Field two (2) blocks to the east, and I could hear sound from there, especially when they made a good play. I checked their schedule later and saw that they would be out of town the night of the ride, so I reckoned that they would not be a factor concerning noise issues.

I did settle on the southeast corner of Guthrie Green as the general location for the Command Post because across the street on Martin Luther King Boulevard / Cincinnati sits the Spaghetti Warehouse parking lot. That would mean that corner has the least reflected sound, and it would provide an alternative parking location for those volunteers who might not find parking directly beside Guthrie Green.

My final preparations were for the portable station and mast for the Net Control station, especially the mast.

The mast is made of PVC sections, 45° elbows, tees, threaded extensions and couplers. The base has four (4) legs of equal length, all cut from a single 10' piece. The legs insert into the "heart" of the base, which is made from three (3) tees and eight (8) elbows. I added eyescrews to the legs as attachment points for guy lines. The vertical sections of the mast have threaded extensions at both ends. I can use one (1) to three (3) sections. The bottom section screws into the base, and the other sections connect using the threaded couplers. One of the couplers has four (4) eyescrews added for guy line attachment points. Guys must be used if I use all three (3) sections.

I also have an antenna that screws directly onto one of the extensions. It is made from a PVC cap, pieces of an old unused mobile magmount antenna, and a length of wire with a solder lug as a counterpoise.

**DURING THE EVENT:** Hannibal Smith of "The A Team" was fond of saying, "I love it when a plan comes together!" In this case, I would add one word - "mostly."

I arrived at Guthrie Green around 1730 and found a parking space close to the registration tent behind the stage. I

## Cystic Fibrosis Cycle for Life Nite Ride Public Service Communications Event - cont'd

**DURING THE EVENT (cont'd):** then introduced myself to a young lady named Carrie Little. She introduced me to Christy, and she led me to where they had set up tables for us in the Green Room. I wasn't expecting the tables, but I was sure glad they provided them.

After unloading equipment from my car, I began setting up my station and the antenna mast. I used only two (2) sections of mast, but the location inside the Green Room placed my antenna high enough to where it was surrounded by metal. We moved the tables and the mast just outside the Green Room, and right beside the lane where the riders would be coming in to reach the Finish Line.

Volunteers also began to gather, so I started the briefing earlier than planned. I didn't prepare an ICS Check-In List beforehand, so I improvised one. I distributed the documents and began going over the plans.

I wasn't sure how many Safeties would show up, so I waited a bit to finish assigning all the checkpoints for each one to cover. Three showed up, and that turned out to be the bare minimum needed. One or two more would have made things easier on everyone. I think we might have left a couple of checkpoints uncovered.

Once everyone deployed, I finished setting up the Net Control station and tested the antenna. Several volunteers reported weak audio on my signal, so I switched to an alternative magmount that I placed on top of the radio.

The 9Ah battery that I recently bought for the portable station worked well on high power for close to an hour. But when it started dropping on transmit, I changed over to low power and it continued working without interruption for the rest of the net. I guess low power didn't affect my audio because no one reported any problems hearing me.

I didn't anticipate many problems to occur with the riders, but I knew that because parts of the route could be hard to access, I had to plan for the worst. Eventually, of the ninety-two (92) riders that participated, only one had to drop out due to a mechanical issue about halfway through. We would have gladly provide SAG service, but he had already arranged for a personal SAG.

I am not sure if my plan was a true success, because I cannot say it was thoroughly tested. I will say it did work as far as it was tested, and with that I can say that I am pleased – Doug Lee, KC5ZQM

## Boy Scouts Fall Festival 2015 TRO Ham Radio Display / Demonstration

### EVENT INFORMATION

**Name of Event:** Boy Scouts Fall Festival 2015

**Event Description:** Displays and demonstrations of various Scouting and related activities spread across the Camp Robson area of the Jack Graves Scout Reservation. Scouts and members of the public can view all the activities and even participate in some.

**Date / Time:** Saturday 19 SEP 2015, open to public 1100 to 1530 (11 AM to 3:30 PM)

**Event Organizers / Sponsors:** Indian Nations Council, Boy Scouts of America, Donald W. Reynolds Scout Resource Center, 4295 South Garnett Road, Tulsa, OK 74146. Phone (918) 743-6125, Fax (918) 743-6049, <http://www.okscouts.org/about/indian-nations-council/>

**Location or Venue:** Jack Graves Scout Reservation, 101st Street & 193rd East Avenue, Broken Arrow OK

**Purpose of Event:** To give Scouts and the public a preview and a taste of Scouting activities, to encourage young Scouts to stay in the program, and to recruit new Scouts.

**Plan of Operation:** BSA personnel would set up tents for larger displays on Friday. Final setup would begin Saturday morning after 0700. The ham radio display/demonstration would be in the northeast corner of the Robson Family Pavilion. Set up for the display would begin around 0730.

**Boy Scouts Fall Festival 2015 TRO Ham Radio Display / Demonstration - *cont'd***
**EVENT INFORMATION (*cont'd*)****Plan of Operation (*cont'd*):**

The event would open to the public at 1100 and remain open until 1530. The access road that runs along the west side of the Camp would open at 1600. Tear down could begin as soon as 1500, depending on the level of public interest.

The ham radio display/demonstration would include a 2-Meter portable station, literature about ham radio and the TRO, and, if possible, an HF station.

**Volunteer List**

OPERATOR	CALL SIGN	DESCRIPTION
DOUG LEE	KC5ZQM	PUBLIC RELATIONS / PUBLIC INFORMATION OFFICER
KENNETH BAUCUM	KG5CBM	ADDITIONAL PORTABLE STATION
JIM ERB	KG5EWK	HF OPERATIONS
CHASE CRUM	KG5CLM	PRESIDENT & SETUP ASSISTANCE

**EVENT NARRATIVE**

**Planning and Preparation:** In late July, Willie Rochester, a BSA staffer, inquired by email about TRO participation in this year's event. He is new to this position, so he didn't know what to expect. I responded by describing what we did last year.

In previous years, Bart Pickens, N5TWB, has headed up these efforts, and we greatly appreciate everything that Bart has done. However, Bart would not be available this year, so I decided as Public Relations / Public Information Officer for the club that I would take the lead. Last year, we had another public relations event going on at the same time, so I had to divide my time and efforts between both events. This year I could devote all the resources available to just the Fall Festival. So, I created a Facebook event page for planning and organizing our efforts.

HF has been the central part of past demonstrations at the Fall Festival. Without it, I was reluctant to even do the event this year. At first, Fred Williams, KD5NBR offered to bring out his tent and HF station the same as he did last year. However, he decided to pull away from participating in club activities so he can concentrate on personal issues.

I was already planning on taking out my portable 2 Meter station that consists of an Icom IC-228H mobile, a 9Ah SLA (Sealed Lead Acid, or gel cell) battery, an improvised PVC antenna mast and an improvised antenna built from parts of a mobile dual-band magmount, a threaded PVC cap, and a counterpoise made from a solder lug and a 19-inch length of wire. I thought that this alone would not be enough to attract the Scouts' and the public's attention. After attending a planning meeting at the Scout Reservation, I changed my mind and decided that this opportunity to promote amateur radio was too important to pass up, so I decided to proceed.

Brian Gnad, KB5TSI offered use of his HF station, a Yaesu FT-900, a G5RV antenna and a deep-cycle battery, just a few days before the event. I picked it up from him at his job on the way to the planning meeting. I wasn't sure if we could get the station on the air, because we lost use of the Sub Club's trailer-mounted tower. I took the HF station with me in case we could get the antenna mounted in the trees next to the pavilion where we would set up.

**During the Event:** I arrived at the Scout Reservation after 0730. Three young scouts helped me move the PR kit, my portable station, and Brian's HF station from my car to the pavilion. While parking my car, Jim Erb, KG5EWK, and TRO President Chase Crum, KG5CLM arrived in Jim's truck. They parked next to to the northeast corner of the pavilion where we would set up.

I concentrated on setting up my portable station first, then we turned our attention to the HF station. Jim and (*cont'd on next page*)

## Boy Scouts Fall Festival 2015 TRO Ham Radio Display / Demonstration - *cont'd*

### EVENT NARRATIVE (*cont'd*)

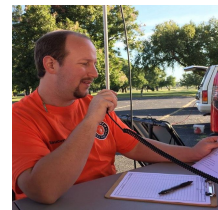
Chase, with the help of a ladder borrowed from the Boy Scouts, managed to get the G5RV up in the trees, despite the questionable appearance of one branch on a tree that had seen better days before the web worm infestation that had affected it and so many other trees in the region this year. The antenna wasn't up very high, but that didn't seem to affect its performance much. Jim made several contacts with stations in the MIDCARS Net out of Ohio, and I made my first HF contact using my own General class privileges! Moments later I received by email a QSL card from Barry Sherwood, N5HW in Lindale TX.

Chase left around noon, but Kenneth Baucum, KG5CBM arrived soon after that with his own portable dualband VHF/UHF station. He improvised a counterpoise for his magmount antenna using foil hot dog wrappers, right before I pointed out that the nearby roof support column was attached to the overhead beam with a steel plate. Kenneth stuck with the hot dog wrappers because he wasn't sure about how the horizontal polarity would affect his signal.

We didn't have many visitors, but we had strong interest from some. A young Scout named Reese had been a guest operator at last year's event, and he got to talk this year on both HF and 2 Meters. Brian Duncan, KG5GMW, a Scout leader from Owasso, and his son kept coming by. Brian passed his Tech test at Green Country Hamfest this year, and upgraded to General at Ham-Com in June. While he was testing at Ham-Com, his son took the Boy Scouts' radio merit badge class offered there. Brian expressed great interest in creating a closer connection between Scouting and ham radio in the Tulsa area, and even mentioned the possibility of conducting the radio merit badge class at next year's Green Country Hamfest. We also had a brief visit from Jim Haley, KE5OOM, who thought I might be running packet because I had my computer set up. Doug Lee, KC5QM

### ACTIVITIES REPORT – Kenneth Baucum, KG5CBM

September wrapped up very nicely with excellent support for Bike MS: The Road Divided. Bike MS was a tremendous success thanks to the efforts of this club and our friends in the OKC, Guthrie and Stillwater areas. We helped about 300 riders make a 150 mile journey during two beautiful Oklahoma days. We had lots of good communication and teamwork going and made a great impression on the event staff and local clubs.



Special thanks to those on the Communications Team who could make it out from Tulsa: Chase Crum, Ben Joplin, John Grace and Merlin and Lynda Griffin. Thanks also to all of the SAG Drivers and their leader, Michael Bulmer. Thank you to J.C. Nocker, K5JCN, from the OKC area for helping to coordinate resources from that area and providing testing data for the repeaters along the route. If you were not able to make it this year -- we understand and hope to see you next time!

Finally, thanks to those of you who donated time, money or equipment to make the Bike MS event work. Your support of amateur radio is part of what makes these events so great to be a part of.

October brings us a short break during which lots of planning for our two November events: ArchiTread and Route 66 Marathon. Keep an eye on the Facebook page for details on ArchiTread on Sunday, November 15th and the Route 66 Marathon on Sunday, November 22nd.

ArchiTread is an 8 mile, casual bicycle tour through downtown Tulsa, with about 10 stops at local points of interest for the architecture community. They have requested that we provide SAG support and communications back to the command post. Due to route length and other factors, there is no plan for fuel reimbursement, but you can pickup a custom water bottle from the registration area, and have access to food at designated rest stops.

The Route 66 Marathon will be very similar to past years, in terms of services provided. Our team will be assigned locations and equipment to setup flag stations, which we will use to communicate to the event participants and staff about any hazards that might occur or have occurred and are affecting the event. Amateur radio was requested to be a reliable method of contact between the command post and flag stations, in order to ensure that word gets out quickly and reliably in case of any emergencies.

Thank you all for your support of these events. It is important for us to stay fresh and be in a state of continuous learning and improvement when it comes to public service and preparation for assistance in times of disaster.

**ACTIVITIES REPORT (cont'd)**

**TRO EVENTS**  
**PUBLIC SERVICE**

**ArchiTread 2015 Fall Edition**  
15 NOV 15 1130 hrs.  
Soundpony Lounge, 409 N. Main, Tulsa OK

**Route 66 Marathon**  
22 NOV 15 0600 hrs.  
Gypsy Coffeeshouse & Cyber Cafe, 303 N. Cincinnati,  
Tulsa OK

These events provide an excellent opportunity to try new things while the pressure is low. If you have any questions about these or other events, please feel free to contact me at KG5CBM@tulsahamradio.org.

Kenneth Baucum, KG5CBM  
Activities Committee Chairperson, Tulsa Repeater Organization  
kg5cbm@gmail.com  
kg5cbm@tulsahamradio.org  
918-271-1435

**TARC PUBLIC SERVICE EVENTS**

**Sand Springs Christmas Parade**  
04 DEC 15 1700 hrs (tentative)  
Old K-Mart on Charles Page Boulevard

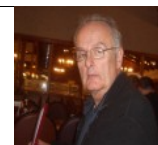
**ABATE Toys for Tots Toy Run**  
12 DEC 15 1100 hrs (tentative)  
Tulsa County Fairgrounds, 15<sup>th</sup> & New Haven

**NEW MEMBERS**

Steven Palmer - KG5HSO  
William Adams - KC5QLA  
Marvin Baker – KF5RPD

Welcome to the TRO and thank you for joining!

**MEETING NOTES – ED COMPOS, K5CRQ**



TRO Minutes: 9-22-2015  
Meeting called to order by President Chase Crum KG5CLM at 19:00 hrs.  
Introduction made of all attending.  
Minutes of last meeting read by secretary Ed Compos K5CRQ and accepted as read on vote of the members present.  
Treasurer Steve Miller AA5V read the financial report and it was accepted as read by vote of the members present.  
Engineering report by Joe Gorkos N5TEX all repeaters working. A planning meeting will be held for the .88 repeater.  
Membership- no new members.  
Ken Baucum KG5CBM is the club new activities chairman.  
Boy Scout Fall Festival was a great event all went well and Doug Lee KC5ZQM made his first HF contact, congratulations.  
Merger of the TRO and TARC -meetings and discussions still and is a work in progress.  
We are sorry to report the lost of Stan's father. Our prayers are with him and a donation to the diabetes foundation will be made by the club.  
Motion made to adjourn and seconded and close at 20:01 hrs.

Ed Compos, Secretary

**Personal note from TRO Past President Stan Callahan, KE5HPB**

As you know that I recently lost my father. I want to take this time to say 'Thank You' to each and everyone for all of the cards, phone calls, Facebook posts and radio messages of encouragement and support through this difficult time. Times like this show you just how much love and real friendship you really have. This is much more than just a 'Club;' this is really a brotherhood. "Thank You" from all of the Callahan Clan.

Stan  
KE5HPB



### ENGINEERING REPORT – Joe Gorkos, N5TEX

Note from Bob Buford, W5RAB:

“Today, 10/06/2015, I went to Skiatook and repaired the following with Ben, WB5VST's help:



444.725 /449.725, found the Kenwood TKR820 repeater had lost the programming on the receive frequency EEPROM. Reprogrammed the repeater.

146.280 remote receiver and UHF transmitter at Skiatook not working. Ben and I went to the site and found the power supply had died. We moved the APRS equipment and power supply to the 146.280 equipment cabinet and used that power supply. It is a Motorola unit with about 12.5A capacity and should work OK. Ben went back to the site and cleaned up our temporary wiring making sure the power supply was positioned to prevent problems with the cabinet doors. This site has some mice problems and needs to be looked at periodically.”

We have a minor intermod issue at Skiatook affecting RX sensitivity that may require filtering.

146.88: We will start putting together the new equipment this Tuesday, 20 OCT 15.

All other systems working ok.

### REPEATER STATUS

146.805 (-) PL 88.5 71<sup>st</sup> & Yale Working

148.880 (-) PL 82.5 (Skiatook receiver) 88.5 (Keatonville receiver) or 141.3 (CityPlex) 81<sup>st</sup> & Lewis Working, but rebuild in progress

146.940 (-) PL 88.5 9<sup>th</sup> & Detroit Working

444.1 (+) PL 88.5 41<sup>st</sup> & Skelly Drive Working

442.725 (+) PL 88.5 NW of Skiatook Working

444.950 (+) No PL Autumn Oaks, 71<sup>st</sup> & Yale Working

ATV Repeater

421.250 Output

434.250 Input

Work In Progress



**Army & Air Force MARS Coronal Mass Ejection COMEX – Amateurs Invited!**
**MARS Exercise to Simulate a Coronal Mass Ejection; Amateurs Invited to Participate**

Beginning the week of November 8, 2015, the Military Auxiliary Radio System (MARS) will participate in a quarterly contingency HF exercise in support of the Department of Defense. The exercise scenario will simulate a Coronal Mass Ejection (CME) event and focus on actions that radio operators should take prior to and following such an event. [Coronal mass ejections (or CMEs) are huge bubbles of gas threaded with magnetic field lines that are ejected from the Sun over the course of several hours. Coronal Mass Ejections disrupt the flow of the solar wind and produce disturbances that strike the Earth with sometimes catastrophic results. More on CMEs here. - source NASA.] Training objectives for this exercise will include:

**CLUB MEETINGS**

**TRO** Fourth Tuesday of the month, except June (Field Day) and December (Christmas)  
1900 (7PM) Tally's Cafe, 11<sup>th</sup> & Yale  
Schedule for 2015: 27 OCT 24 NOV 15 DEC  
[tulsahamradio.org](http://tulsahamradio.org)

**Tulsa Amateur Radio Club** Third Tuesday of the month  
1900 (7PM) Keplinger Hall, TU Campus, 5<sup>th</sup> & Harvard  
Schedule for 2015: 17 NOV 15 DEC  
[w5ias.com](http://w5ias.com)

**Broken Arrow Amateur Radio Club** First Monday of the month (exceptions for holidays)  
1900 Central Park Recreational Center, 1500 S Main, Broken Arrow  
Schedule for 2015: 02 NOV 07 DEC (tentative due to holiday)  
[w5drz.org](http://w5drz.org)

**American Airlines Amateur Radio Club** Last Saturday of every EVEN numbered month  
0900 (AM) Martin East Regional Library  
26<sup>th</sup> & Garnett  
Schedule for 2015: 31 OCT 26 DEC

**Rogers County Wireless Association**  
Second Saturday of the month 0900 (9 AM)  
Golden Corral Restaurant  
1405 West Will Rogers Boulevard  
Claremore OK  
Schedule for 2015: 14 NOV 12 DEC  
[rcwa.org](http://rcwa.org)

\*Understanding what a CME is and how much forecast lead time can be expected prior to the CME.

\*What effects are associated with a CME and what precautions should radio operators take prior to the CME to protect equipment.

\*Following the CME, operators will begin assessing the effects and begin reporting this information.

\*Interoperability with Amateur Radio operators and groups.

Amateur Radio operators, ARES and RACES members are encouraged to participate in this exercise. If you are interested in participating, click [here](#) to register. -- Paul English, NETCOM Land Mobile Radio Manager, Army MARS Program Manager

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**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)

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

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

**October 2015**

**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), except March

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](mailto:WB5OSM@hotmail.com)

Schedule for 2015: 17 SEP 19 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](mailto:nq2j@mail.com), or 918-853-8118

Schedule for 2015: 07 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](mailto:AC5II@arrl.net) or 918-379-0962

Schedule for 2015: 12 DEC

RCWA (New session in Owasso)

First Saturday of each quarter at 0900 (9:00 AM)

Bethel Baptist Church

10705 E 86<sup>th</sup> St N, Room136 (133 overflow)

Owasso, OK

Enter at east doors from parking lot

Contact: Phil Stephens, W5PTT at: [W5PTT@cox.net](mailto:W5PTT@cox.net)

Next session: 02 JAN 16

**W5YI VEC SESSIONS:**

**American Airlines Amateur Radio Club**

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](mailto:nq2j@mail.com), or 918-853-8118

Schedule for 2015: 31 OCT 26 DEC

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Want more information about the Tulsa Repeater Organization or have questions about articles in the newsletter, contact us at email address [wa5lvt@tulsahamradio.org](mailto:wa5lvt@tulsahamradio.org) or write to:



**Tulsa Repeater Organization**

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