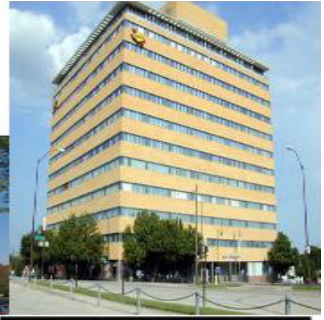




# THE SIGNAL



Official Newsletter of the  
Tulsa Repeater Organization



Vol. 56 Issue 11

December, 2023

“Covering Tulsa through the air”

## Prez Sayz:

I hope everyone is enjoying this nice weather we are having. I know I am getting a few of my honey-dos off my list. Not much going on with the club, nothing new going on. The club voted not to have a Christmas party this year. So, there will not be a meeting or a Christmas party this month. The next club meeting will be January 23, 2024. The meeting will be at FreeWay Cafe 5849 S 49th W Ave, Tulsa. It will start at 7:00 but if you want to eat with us be there at 6:00. I wish everyone a MERRY CHRISTMAS and a HAPPY NEW YEAR!

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TRO President  
Paul Young - KE5EHM

## TRO/TULSA RED CROSS NOVEMBER VE TESTING RESULTS:

By Merlin Griffin - WB5OSM

At the November 16, 2023 VE Test session we had two successful candidates:

Mr. Gary Garrison KI5KFN of Tulsa General to Extra

Mr. Joel Foster of Collinsville, unlicensed to Technician

We had seven candidates in all, a number of them were students and their instructor was giving them extra credit if they took the test. The outcome didn't matter.

The VE Team was Don Ferry - N5DGF, Dave Kennedy - N5DMK, and Merlin Griffin - WB5OSM. Our next TRO/Tulsa Red Cross testing session will be January 18, 2024 @ 7:00 PM CST provided the roads are not icy.

## GREEN COUNTRY HAMFEST 2024 APRIL 12 AND 13:

Registration for the Green Country Hamfest 2024 should open on or about January 1, 2024. We are still working on the prize package, but have determined that we will go with Yaesu again this year.

## Continuation From August 2023 Signal - Shortwave Broadcasting Service that has applied to the FCC:

By Merlin Griffin - WB5OSM

I previously wrote an article about a new shortwave broadcasting service that wants to operate 20KW digital transmitters just outside of the amateur bands. Other shortwave broadcasters are shutting down, VOA is no more, Radio Australia shut down their last transmitter a couple of years ago. This service will not be music or news, it will be apparently a constant stream of stock quotes. I knew this type of service had sprung up in the UK. I follow a You Tube poster from the UK that goes by Ringway Manchester. He reports on all things happening on medium and shortwave bands. For example, AM broadcasting is going away in the UK. We kind of thought it was headed out in the US, but there are still a lot of people listening to it hear. One AM station, puts their audio quality up against FM. He also reports on things like numbers stations, pirate radio stations and just strange signals heard especially on shortwave and amateur bands over here and over there.

Apparently, the network latency in the internet can lead to delays in getting a stock quote out, and a trader may miss a price change. I don't play the market like that, so I don't know, but I guess for professional traders, these things are important. If you are trading large numbers of shares a move of a stock price up or down could cost someone thousands of dollars. I do not know if it deals with commodities trading too.

After at first taking a wait and see approach, the ARRL has now expressed strong concerns about this service, and wants more protection of the amateur bands. In other regulatory news, it appears that the FCC is finally getting ready to start regulating the digital modes, by bandwidth and not symbol rate. A move requested by digital mode enthusiasts for some time as new technologies keep emerging. We can transmit data faster and still stay within the bandwidth of a standard SSB signal on HF and probably less than the bandwidth of a standard 5 kHz deviation analog FM signal above 50 MHz.

### Merry Christmas and a Happy New Year!

My first home in  
1984. Nice having  
a 45 foot tower at  
the time.  
DE AA5V



**TRO TREASURY REPORT OF 12/18/23:**

Treasury Report of December 18, 2023

<b>Total TRO Accounts Beginning Balance</b>	<b>\$6800.03</b>
Checking Beginning Balance	<b>\$3171.34</b>
12/08 3304 Steve Miller reimbursement for TRO PO Box 1422 thru 12/2024	-176.00
Checking Balance	<b>\$2995.34</b>
PayPal Beginning Balance	<b>\$41.82</b>
No activity	
PayPal Ending Balance	<b>\$41.82</b>
Cash Beginning Balance	<b>\$100.00</b>
Cash Ending Balance	<b>\$100.00</b>
Savings Beginning Balance	<b>\$3486.87</b>
11/09 Service Charge	-2.00
11/30 Interest Earned	+0.57
Ending Savings Account Balance	<b>\$3485.44</b>
<b>Total TRO Account Balance</b>	<b>\$6622.60</b>

Respectfully Submitted by Steve Miller – AA5V 12/18/2023

## Engineering Report:

No new news on finding a site for the 146.805 and 444.950 repeaters.

### REPEATER STATUS

146.805 (-) PL 88.5 ? ? ? ? – Down  
146.880 (-) PL 88.5 (CityPlex), 82.5 (Skiatook) or 141.3  
(Keetonville receiver) 81<sup>st</sup> & Lewis – Working  
146.940 (-) PL 88.5 Sun Building, 9<sup>th</sup> & Detroit – Working  
927.700 (-25 MHz) (902.7) CityPlex - Working  
  
Metro Link:  
444.1 (+) PL 88.5 Skyline East 41<sup>st</sup> & Skelly Drive – Working  
444.725 (+) PL 88.5 GRDA tower NW of Skiatook – Working  
444.950 (+) PL 88.5 ? ? ? ? – Down



### ARES Net

Thursday evenings at 8:00 PM  
1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Thursdays on the 147.39 MHz repeater  
4<sup>th</sup> and if there is a 5<sup>th</sup> Thursday use the  
TARC Super Link System 443.850 MHz PL 88.5 Hz



### FREQUENCY CHANGE!

#### ARES Net beginning January 4, 2024

Thursday evenings at 8:00 PM  
1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Thursdays on the **145.11 MHz** repeater  
with a PL 88.5 Hz  
4<sup>th</sup> and if there is a 5<sup>th</sup> Thursday use the  
TARC Super Link System 443.850 MHz PL 88.5 Hz

## CLUB MEETINGS

### **Tulsa Repeater Organization**

Fourth Tuesday of the month at 1900 (7PM) except June (Field Day) and December (Christmas).  
Meetings are held at Freeway Cafe at 5849 South 49<sup>th</sup> West Avenue in Tulsa.  
If you plan on eating be there 30 minutes to an hour early.

### **Tulsa Amateur Radio Club**

Third Tuesday of the month 1900 (7PM)  
Meetings are held at Tulsa University Keplinger Hall Room 3140 (west of Harvard & 5<sup>th</sup> Street)

### **Broken Arrow Amateur Radio Club**

First Monday of the month (except for holidays) 1900 (7 PM)  
Community Recreation Center, 1500 South Main, Broken Arrow

### **Rogers County Wireless Association**

Second Saturday of every month at 0800 (8 AM)  
Check the RCWA website at [www.rcwa.org](http://www.rcwa.org) for meeting information.

## VE TEST SESSIONS WALK-INS ARE WELCOME AT ALL SESSIONS!

**Check with the contact for each testing session for their plans.**

### **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 [WB5OSM@hotmail.com](mailto:WB5OSM@hotmail.com) or (918)520-7668 - leave message

### **Broken Arrow Emergency Management**

First Saturday of odd-numbered months - 0900 to 1100 (9:00 to 11 AM)  
Broken Arrow Public Service Complex 1001 N 6th Street Broken Arrow OK 74012  
Contact: Loyd Beeson, AE5MM at [ae5mm@arrl.net](mailto:ae5mm@arrl.net) or (918)638-2393 (text msg or voice)

### **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 74012  
Contact: Don Doyle AC5II at [AC5II@arrl.net](mailto:AC5II@arrl.net) or (918)379-0962

### **Rogers County Wireless Association** (New session in Owasso)

First Saturday of each quarter at 0900 (9:00 AM)  
Trinity House, 9210 N Garnett, Owasso OK 74055  
Contact: Dustin Dye, AB5C at [contact@rcwa.org](mailto:contact@rcwa.org) or (918)734-0869

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

**Our Website:** [www.tulsahamradio.org](http://www.tulsahamradio.org)

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

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

### TRO OFFICER CONTACT INFORMATION

President	Paul Young	KE5EHM	918.637.8414	<a href="mailto:ke5ehm@tulsahamradio.org">ke5ehm@tulsahamradio.org</a>
Vice-President	Don Ferry	N5DGF	918.607.3292	<a href="mailto:n5dgf@tulsahamradio.org">n5dgf@tulsahamradio.org</a>
Secretary	Bart Pickens	N5TWB		<a href="mailto:n5twb@tulsahamradio.org">n5twb@tulsahamradio.org</a>
Treasurer	Steve Miller	AA5V	918.381.8574	<a href="mailto:aa5v@tulsahamradio.org">aa5v@tulsahamradio.org</a>
Trustee	Merlin Griffin	WB5OSM	918.520.7668	<a href="mailto:wb5osm@tulsahamradio.org">wb5osm@tulsahamradio.org</a>
Activities	Paul Young	KE5EHM	918.637.8414	<a href="mailto:ke5ehm@tulsahamradio.org">ke5ehm@tulsahamradio.org</a>
Engineering	OPEN			
Public Relations	OPEN			
Membership	Tom Stroud	KD5OPH	918..695.3735	<a href="mailto:kd5oph@tulsahamradio.org">kd5oph@tulsahamradio.org</a>
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By-Laws	Gary Parham	KC5ZQP	918.369.1065	<a href="mailto:kc5zqp@aol.com">kc5zqp@aol.com</a>
Past President	Mark Conklin	N7XYO	918.232.8436	<a href="mailto:n7xyo@tulsahamradio.org">n7xyo@tulsahamradio.org</a>
Newsletter Editor	Steve Miller	AA5V		<a href="mailto:aa5v@tulsahamradio.org">aa5v@tulsahamradio.org</a>

**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  
P.O. Box 1422  
TULSA, OK 74101-1422**

Mail to: