



# THE SIGNAL



Official Newsletter of the  
Tulsa Repeater Organization



Vol. 54 Issue 4

April, 2021

“Covering Tulsa through the air”

## PREZ SAYS:

Things are starting to start up for the year. TRO has been asked to support Cop Land Classic again. Date will be May 15. If you like to help SAG please email me at KE5EHM@tulsahamradio.org. A few things a SAG must have, Mobile radio, a safety vest, be able to transport at least 2 bikers and their bikes. Next is a list of things to bring if you have them. GPS (Tomtom) or Phone, tire pump, tools for bike, first aid kit, ice chest for you and bikers, APRS. If you don't have one the club will have some. Field Day will be June 25 and 26. TRO will just do Saturday June 25. If you have any ideals where we could set up for the day, please contact me. Tulsa Tough will be June 12 and 13 check with TARC for more info. TRO's next net meeting will be on Tuesday April 27 at 8:00 on the 146.94 repeater. Check in for more info on upcoming events. If you have not payed your club dues, please do so ASAP.

TRO President,  
Paul Young – KE5EHM

## In This Issue

PAGE 1 Prez Says  
March Meeting Place  
Club Dues  
PAGE 2 Oklahoma ARRL Section  
Manager Change  
Green Country Hamfest  
PAGE 3 The End of OkArkSkywarn  
Treasurer's Report  
PAGE 4 TRO Fiscal Year Budget  
Minutes of 03/23 TRO Meeting  
Engineering Report  
PAGE 5 Engineering Report  
Repeater Status  
ARES Net  
PAGE 6 Club Meetings  
VE Test Sessions  
PAGE 7 Making Contact  
TRO Officer Contact Information

## MEETING PLACE FOR APRIL 27th IS:

The TRO meeting for April will be on the 146.94 repeater at 8 PM on Tuesday, April 27<sup>th</sup>.  
146.940MHz -600KHz offset and 88.5 PL.

## CLUB DUES WERE DUE MARCH 2021:

TRO annual club dues are due in the month of March. \$25.00 for single regular membership and \$30.00 for a family membership.

**OKLAHOMA SECTION MANAGER CHANGE:  
Oklahoma SM Kevin O'Dell, N0IRW, Stepping Down;  
Mark Kleine, N5HZR, Appointed as OK SM**

04/05/2021

Kevin O'Dell, N0IRW, Oklahoma's long-serving Section Manager (SM) — serving two terms from 2010 to 2014 and again serving since 2016 — has decided to step down effective April 9, 2021. Although he is stepping down as Oklahoma SM, O'Dell will continue to serve amateur radio and ARRL as a member of ARRL's Public Relations Committee. Prior to becoming SM, O'Dell served as both a Public Information Officer and as the Public Information Coordinator for the Oklahoma Section for many years.

Mark P. Kleine, N5HZR, a resident of Norman, Oklahoma, has been appointed to replace O'Dell as Oklahoma Section Manager effective April 9, and will serve out the balance of O'Dell's term, which extends to September 30, 2022.

Kleine has been a very active member of the Oklahoma amateur radio community for many years, currently serving as an Oklahoma Assistant Section Manager, a leader of the South Canadian Amateur Radio Society (SCARS), and as President of the Central Oklahoma Radio Amateurs (CORA), a group of nine amateur radio clubs that host the Oklahoma City Hamfest "Ham Holiday." An ARRL Life Member, Kleine is also an amateur radio license class instructor and Volunteer Examiner for three different Volunteer Examiner Coordinators.

ARRL Radiosport and Field Services Manager Bart Jahnke, W9JJ, made the appointment based on the recommendations of ARRL West Gulf Division Director John Robert Stratton, N5AUS; O'Dell, N0IRW; West Gulf Vice Director Lee Cooper, W5LHC, and leaders of the Oklahoma Section.

**GREEN COUNTRY HAMFEST FALL SWAP MEET:**

It's official, it's on, a Fall Swap Meet put on by Green Country Hamfest Inc. It will be held in the east parking lot of Asbury Church 6767 S. Mingo RD. Saturday September 11, 2021. Bring your own table, or tailgate to your heart's content. We will get things going about 8:00. This is an outdoor event, so social distancing should not be an issue. An ARRL VE Testing session will be held inside the building in conjunction with this event. The important thing is admission is *FREE!* swap and trade spaces are likewise *FREE!*, a couple of Yaesu dual band HT's will be raffled off during the event. Tix will be \$5.00 ea or five for \$20.00, must be present to win. Then mark your calendars for April 8-9 2022. The Green Country Hamfest will return to Claremore Expo Center better than ever. We can't get much bigger, we're using all the space Expo has as it is.

73 DE WB5OSM

## THE END OF OKARKSKYWARN.ORG IS COMING:

You are receiving this because you have at some point registered with Okarkskywarn.org to receive free email weather alerts from the NWS Tulsa forecast office.

Sadly, due to circumstances beyond our control we will be terminating the service on July 1st this year. We have been providing this service for over 10 years, and believe it is superior to most other such services available (especially for free), however it is NOT officially supported by the NWS parent umbrella, and this has exposed us and NWS Tulsa to unexpected outages and impacts. It is also constantly underfunded, but I chose not to actively solicit support \$\$ for a service that I couldn't guarantee would be reliable, so we are left with no choice but to end it. In an effort to get through this severe season with emails flowing, the emails have been already been stopped for all products except Severe Thunderstorm Warnings, Tornado Warnings, and The Hazardous Weather Outlooks and we hope to provide these until July 1st. This should give people time to look for an alternative supplier for weather alert information.

I will be reviewing other free and paid services for this type of data and if I find a good one and/or can negotiate a discount for okarkskywarn members who sign up with a new service - I will pass that info along.

It has been my privilege to work with the NWS Tulsa staff these past many years on this project and I want to give a special shout out to Jamie Frederick, Steve Piltz, and George Matthews who helped birth this into existence over a decade ago! Its been a good run I think.

Regards,  
Steve "blufie" Bluford – KD5JQG

Okarkskywarn Admin

Editors note: Steve - thank you very much for the support and your expertise of the Okark Skywarn website for all those years.

## TRO TREASURY REPORT OF 04/24/21:

### Treasury Report of April 24, 2021

<b>Total TRO Accounts Beginning Balance</b>	<b>\$5726.01</b>
Checking Beginning Balance	<b>\$1933.97</b>
04/06 Deposit 21-Regular 4-Family \$35 donation	+\$680.00
Checking Balance	<b>\$2613.97</b>
PayPal Beginning Balance	<b>\$243.82</b>
03/26 1 renewal	+\$25.00
04/01 1 renewal	+\$25.00
04/10 2 year renewal	+\$50.00
PayPal fee	-\$3.81
PayPal Ending Balance	<b>\$340.01</b>
Cash Beginning Balance	<b>\$70.00</b>
Cash Ending Balance	<b>\$70.00</b>
Savings Beginning Balance	<b>\$3478.22</b>
03/31 Interest Earned	+0.89
Ending Savings Account Balance	<b>\$3479.11</b>
<b>Total TRO Account Balance</b>	<b>\$6503.09</b>

Respectfully Submitted by Steve Miller – AA5V 04/24/2021

**TRO 2021/2022 FISCAL YEAR BUDGET:**

The following is the proposed budget for the 03/01/2021 through 02/28/2022 fiscal year. Budget to be voted on at the next TRO membership meeting.

<b>TRO BUDGET 2021-2022</b>		<b>Expenses</b>	<b>Income</b>	<b>Current</b>
<b>TRO FUNDS AS OF 03/01/2021</b>				\$5,799.29
<b>Projected Income</b>				
Memberships				
Family		13	\$390.00	
Regular		54	\$1,350.00	
<b>Income Total</b>			\$1,740.00	
<b>Scheduled Expenses</b>				
	<b>Cost/mo</b>	<b>Cost/yr</b>		
Insurance		\$200.00		
Signal	\$0.00	\$0.00		
P.O. Box		\$106.00		
CityPlex site rental		\$100.00		
Field Day		\$150.00		
Christmas party		\$250.00		
Membership supplies		\$0.00		
Contest/Awards/Prizes		\$100.00		
Legal fees 501 (c)(3)		\$100.00		
Web Site Hosting 2 years expires 04/29/2022		\$0.00		
Domain tulsahamradio.org expires 07/24/2022		\$0.00		
Office/ PR - Dues letters, etc.		\$100.00		
President Discretionary Fund		\$150.00		
<b>Scheduled Sub-total</b>		<u>\$1,256.00</u>		
<b>Capital Improvements:</b>				
Repeater: Repair, Maintenance & Improvements		\$650.00		
Purchase Yaesu DR-1XFR or better		\$500.00		
<b>Cap Sub-total</b>		<u>\$1,150.00</u>		
<b>Scheduled Sub-total</b>		<u>\$1,256.00</u>		
<b>Total Expenses</b>		<u>\$2,406.00</u>		
<b>BALANCE</b>				<u>\$5,133.29</u>



## **MINUTES OF TRO MEETING OF 03/23/21:**

### **Tulsa Repeater Organization Member Meeting Minutes**

Date: 03/23, 2021 2000 hrs. # Present: 8

Submitted by: Steve Miller – AA5V

#### **Meeting opened on the 146.94 MHz repeater at 2000 hours by Ray Young - K5CFY net control.**

- Checkins: Ray Young – K5CFY, Steve Miller - AA5V, Ben Joplin – WB5VST, Paul Teel - WB5ANX, Gene Watson - KE5LTS, Kelly Baker – N5TUG, Lou Wilcoxson - N5TXA, Robert Busch - AD5JL
- Ray – K5CFY informed us that Paul Young – KE5EHM TRO President was out of town this evening.
- Ray brought up our next activity would be the Cop Land ride on May 15, 2021. Paul - WB5ANX wants the duties of the SAG's and how they will be performed considering the Covid Pandemic. Ray said Paul – KE5EHM is trying to get that information together.
- Steve – AA5V gave an engineering report about what Bob Buford – W5RAB, Joe Gorkos – N5TEX and Merlin Griffin – WB5OSM had done at the CityPlex repeater site. Replaced the 927.7 MHz repeater. Replaced the 146.88 repeater and controller. Checked antennas. Was missing the 3 connector cable to plug in all three of the link receivers on the 146.88 repeater, so, left the repeater with only the local (CityPlex) receiver working. Merlin – WB5OSM said he & Bob would be going back with the hookup cable for all three receivers on March 27. They would do more antenna testing then.
- Paul – WB5ANX reminded the net that next Monday, March 29, 2021 would be the last Storm Spotter Training virtual seminar for this year. If you want to register go to [www.weather.gov/tsa/spotter\\_training](http://www.weather.gov/tsa/spotter_training).

#### **Meeting net closed at 2022.**

#### **ENGINEERING REPORT:**

By Merlin Griffin - WB5OSM

Saturday, March 20, Bob - W5RAB, Joe - N5TEX, and myself accessed the City-Plex site to do some more work on the 146.88 machine. Bob and Joe went out on the roof and installed a stronger bracket in order to better support the VHF transmit antenna a DB-224 which was leaning at about 45-degree angle. The antenna is now fully erect. The remote receivers are still not keying the repeater. We know the receivers are working properly, we know the remote sites are working properly. Merlin investigated the repeater controller programming and gave a specific command to allow a receiver on port #2 of the controller to key transmitter #1 on the controller. Still no response from the remote receivers. When we killed power to the RLS-1000 remote base switch the repeater keyed up from port #2. We at first thought that meant the RLS-1000 was working properly, but upon examination of its schematic it was discovered that the pull up voltage on the repeater COR line is directly derived from the 12 V power bus, running through a 10k resistor. In-fact all pull up voltages used in the switcher come through that line connected to an in-line SIP of 10 k resistors. I've never seen anything like that before. It appears that the RLS-1000 is not working. Looking at the schematic the problem is either the main processor chip is fried, the output logic chip, got fried, or hopefully it's just we lost the five-volt regulator. The output chip and the regulator should be pretty off

the shelf components and I believe all the chips are socket mounted in the unit. Now, the company that made it, Computer Automated Technologies is out of business. So, we can't buy a new one. It turns out Bob has one in his possession, and is going to let us try using it. He will get it to me some-time this week. I think it is just a board and will need to be wired into the box that we have. If we go with this unit, I believe we should still try to repair the existing one, then see about buying the replacement unit from Bob, so we can have a spare.

73 DE WB5OSM

#### REPEATER STATUS

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

146.880 (-) PL 88.5 (CityPlex), 82.5 (Skiatook) or 141.3 (Keetonville receiver) 81<sup>st</sup> & Lewis – Working with CityPlex receiver ONLY.

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 Prosperity Center 71<sup>st</sup> & Yale – Working

#### 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

## CLUB MEETINGS

### **Tulsa Repeater Organization**

Fourth Tuesday of the month, except June (Field Day) and December (Christmas) 1900 (7PM)  
Due to the Covid19 distancing directive the TRO meeting will be held on the 146.94 repeater (88.5PL) at 8:00PM on the fourth Tuesday of the month.

Schedule for 2021: APR 27, MAY 25, JUL 27, AUG 24, SEP 28, OCT 26, NOV 23, DEC 14

### **Tulsa Amateur Radio Club**

Third Tuesday of the month 1900 (7PM)

Due to the Covid19 distancing directive the TARC meeting will be held on the 145.110 repeater (88.5PL) at 7:00PM on the third Tuesday of the month.

Schedule for 2021: APR 20, MAY 18, JUN 15, JUL 20, AUG 17, SEP 21, OCT 19, NOV 16, DEC 21

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

First Monday of the month (except for holidays) 1900 (7 PM)

Due to the Covid19 distancing directive, check the BAARC website at [www.w5drz.org](http://www.w5drz.org) for meeting information.

Schedule for 2021: MAY 3, JUN 7, JUL 5, AUG 2, SEP 6, OCT 4, NOV 1, DEC 6

### **Rogers County Wireless Association**

Second Saturday of every month at 0800 (8 AM)

Due to the Covid19 distancing directive, check the RCWA website at [www.rcwa.org](http://www.rcwa.org) for meeting information.

Schedule for 2021: MAY 8, JUN 12, JUL 10, AUG 14, SEP 11, OCT 9, NOV 13, DEC 11

## VE TEST SESSIONS

### **WALK-INS ARE WELCOME AT ALL SESSIONS!**

**Due to the Covid19 pandemic 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

### **Tulsa Amateur Radio Club**

Third Saturday of every month at 0900

Pentecostals of West Tulsa 2124 W 41<sup>st</sup> Tulsa OK

Contact: John Carr, K5TBL at [K5TBL@arrl.net](mailto:K5TBL@arrl.net) or (918)289-1718

## ARRL VEC SESSION

Last Saturday of even-numbered months, 1000 to 1130 AM

Broken Arrow Public Service Complex 1001 N 6th Street Broken Arrow OK 74012

Walkins welcome until 1030

Contact: Skipper Smith, NQ2J at: [nq2j@cox.net](mailto:nq2j@cox.net) or (918)853-8118

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

**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	Tom Stroud	KD5OPH	918.695.3735	<a href="mailto:kd5oph@tulsahamradio.org">kd5oph@tulsahamradio.org</a>
Secretary	OPEN			
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	OPEN			
Engineering	Joe Gorkos	N5TEX	918.230.8243	<a href="mailto:n5tex@tulsahamradio.org">n5tex@tulsahamradio.org</a>
Public Relations	OPEN			
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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:**

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TULSA, OK 74101-1422**

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