



THE SIGNAL



Official Newsletter of the
Tulsa Repeater Organization



Vol. 56 Issue 1

January, 2023

“Covering Tulsa through the air”

PREZ SAYZ:

I hope everyone made it through the Holidays ok. I am ready for some warmer weather so I get out and about. I am getting a slight case of cabin fever, or maybe going a little crazy! A few things coming up in the near future. Green Country Hamfest is coming this April 7, and 8. I will be there both days, if you go, please come by and say hello at the TRO table. We have been asked to support the bikers at the Copland Classic on May 20. Gas and a t-shirt will be provided if you can help. I will post something on Facebook later with more info. We will have elections next month. The meeting this month is January 24th at 7:00. Come early if you want to eat with us (6:00). We meet at Freeway Cafe 5849 S 49th W Ave, Tulsa. I hope to see you at the meeting. 73

President TRO
Paul Young KE5EHM

MEETING PLACE FOR THE JANUARY 24th IS FREEWAY CAFE:

The TRO meeting for January will be at **Freeway Cafe, 5849 S 49th West Avenue in Tulsa** at 1900. Come 30 minutes to an hour early if you plan to eat.

TRO CHRISTMAS PARTY:

We all enjoyed the holiday party for 2022....

The 2022 party: a dirty santa game went well and fun with the stealing gifts and all to end at a final gift you never know what will be....The 50/50 pot was won by Don Ferry – N5DGF. The



main prizes a GizWiz RF Coaxial Universal Testing Adapter Connector Kit, one for the party and one for a draw of the full club membership. Bob Buford – W5RAB won the one for the

In This Issue	
PAGE 1	Prez Sayz Meeting Place For November TRO Christmas Party
PAGE 2	Green Country Hamfest Two Bills Concerning
PAGE 3	Two Bills Concerning
PAGE 4	TRO Treasury Report
PAGE 5	Engineers Report Repeater Status ARES Net
PAGE 6	Club Meetings VE Test Sessions
PAGE 7	Making Contact

party and Kenny Adams – KC5MJE won the one for the membership draw. Just so happened Kenny was at the party, so, we do not have to ship it!
With all of us that were there none of us took pictures, but, a lot of fun.

GREEN COUNTRY HAMFEST APRIL 7TH & 8TH, 2023:

Green Country Hamfest will be April 7-8 back at the Claremore Expo Center again this year. Admission will be \$8.00 in advance \$10.00 at the door. Flea Market tables will be \$15.00 in advance and \$20.00 at the door, if any remain. Commercial booths are \$50.00 each and electrical connections are \$25.00. If you want electricity in the flea market area, please talk to us as arrangements have to be made. Top three prizes all from Yaesu, 1st Prize the FTDX10, Second Prize the FT-991 A, Third prize the FT-891. Then we will do this for the first time in a long time, we will hold a special raffle prize drawing also from Yaesu the all new FT-710 AESS 160-6 meters 5-100W SDR radio, with one of the best receivers there is, external speaker included. This will be a special raffle, tickets will be \$20.00 ea, only 100 will be sold. These super prize tickets will only be sold at the Hamfest and will go on sale Friday at 16:00. The deal is a \$20.00 ticket will get you one chance to win a rig that goes for about \$1100 on the open market.

On-line registration is open now until March 31. Go to our website greencountryhamfest.org
73 de WB5OSM

TWO BILLS CONCERNING AMATEUR RADIO:

Submitted by Merlin Griffin - WB5OSM

Two bills concerning amateur radio have been introduced into the House of Representatives. The first one is designed to fight private land use restrictions and HOA restrictions on amateur radio antenna structures. Many hams live in housing additions where the HOA won't let you have an antenna structure and you must use indoor antennas, attic antennas, or a cleverly disguised flag pole antenna. Some HOA's try to ban flagpoles, but have caught enough flack from veteran's organizations, that they've pretty much lost that fight. The bill would not completely eliminate restrictions, they could still say, "not visible from the street," "back yard only," and/or "if it falls it must stay within your lines. We know there is something in the bill that says, they can require that guy wire anchors be hidden or camouflaged, or otherwise not visible from the street. Whatever that means. Not the guy wires themselves, but the anchors. Again unsure what that would entail. HOA power was weakened a few years ago, by the satellite TV providers. Same kind of deal, the HOA, could not keep you from having a dish, but they could regulate it's placement and visibility. There is a battle brewing over placement of 5G cellular antennas right now. It's an interesting situation, people living in areas where there a likely to be strong HOAs, would like to take advantage of the new technology, after all they just bought new 5G capable phones. However, the wavelengths used by true 5G requires the antenna needs to be nearby in order to penetrate a building. "Oh my! those things are ugly and don't belong in our beautiful neighborhood." They wanted the City or County to ban them, but local government said that the federal laws are very clear, we cannot regulate wireless communication. That is the sole providence of the federal government, and mainly the FCC. Here in Tulsa, a compromise was worked out in some neighborhoods, the 5G antennas were moved to existing street light poles. Also did you know, that a **TRO** member, Ray K5JCM (SK) and a few others, helped lead the fight that got local antenna restrictions basically lifted. Certain city councilors tried to severely restrict

amateur and CB antennas, but for once someone fought City Hall and won. The ARRL took it then on the national level and we ended up with a legal doctrine called PRB-1 (Private Radio Bureau), the division within the FCC that regulated amateur and CB radio among other private spectrum users at the time. In a nutshell it says that when it comes to wireless telecommunication, regulation of it falls strictly to the federal government and all state and local governmental control is preempted. The courts have upheld this over the years and called it legal precedent setting. However, PRB-1 did not affect private land use restrictions or restrictions placed on property owners by HOA's. This bill which has been in the works, and kicked around for probably 20-30 years is finally seeing the light of day in congress. Don't celebrate too early, the HOA's have a strong lobby in congress and don't like having their authority threatened. So I see an uphill battle for this bill. I am positive that ARRL will be asking us to rattle our congressional representatives cages on this. I see a fund raiser coming to, to help with our own lobbying.

The second bill is a little internal house keeping. It seeks to get the FCC to change the way digital modes are regulated. Right now Part 97 regulates the baud or symbol rate you can transmit with digital modes. The bill highly encourages the FCC to change this to specifying bandwidth instead. New technology will allow us to transmit data at much faster rates and still stay within the bandwidth of a typical SSB signal. This mainly would affect those running certain digital modes on the HF bands. Above 30 MHz, they already allow like 1200 baud packet on two meters and 9600 on 70 CM. The figure I hear being kicked around by the digital operators is 2.8 kHz limitation below 30 MHz. They say they could probably live with a 2.3 kHz maximum bandwidth if they have to. The typical IF filter for SSB in HF receivers. This bill may not even have to be fully implemented. It's just a way of congress telling the FCC to get off their backside and get to the program. Technology changes are moving faster than you are, just do your job. The FCC certainly has the ability to do this without an act of congress.

For more about this potential legislation go to ARRL.org on the internet and I am sure they will publish articles about in *QST*.

TRO TREASURY REPORT OF 01/20/23:

Total TRO Accounts Beginning Balance		\$5927.73
Checking Beginning Balance		\$2074.88
12/21 3298 Steve Miller-AA5V	-166.00	
Reimburse Cost of P.O. Box 1422 thru 12/31/23		
01/12 3299 CityPlex Towers for 146.88 rprr site rent	-100.00	
01/17 Deposit 1 New Family Membership	+30.00	
Checking Balance		\$1838.88
PayPal Beginning Balance		\$265.36
PayPal Ending Balance		\$265.36
Cash Beginning Balance		\$95.00
Cash Ending Balance		\$95.00
Savings Beginning Balance		\$3492.49
12/30 Interest Earned	+0.59	
Ending Savings Account Balance		\$3493.08
Total TRO Account Balance		\$5692.32

Respectfully Submitted by Steve Miller – AA5V 01/20/2023
Rejoining Members – Tom White – K5EHX & Gina Pitts – KE5CZB

ENGINEERING REPORT:

No changes to any of the repeaters.

REPEATER STATUS

146.805 (-) PL 88.5 ? ? ? ? – Down
146.880 (-) PL 88.5 (CityPlex), 82.5 (Skiatook) or 141.3
(Keetonville receiver) 81st & Lewis – Working
146.940 (-) PL 88.5 Sun Building, 9th & Detroit – Working
927.700 (-25 MHz) (902.7) CityPlex - Working

Metro Link:

444.1 (+) PL 88.5 Skyline East 41st & 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
1st, 2nd and 3rd Thursdays on the 147.39 MHz repeater
4th and if there is a 5th 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 49th 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 & 5th 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 for meeting information. I couldn't find it.

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 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 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 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 or (918)734-0869

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 or (918)853-8118

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

Our Website: 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	ke5ehm@tulsahamradio.org
Vice-President	Tom Stroud	KD5OPH	918.695.3735	kd5oph@tulsahamradio.org
Secretary	Bart Pickens	N5TWB		n5twb@tulsahamradio.org
Treasurer	Steve Miller	AA5V	918.381.8574	aa5v@tulsahamradio.org
Trustee	Merlin Griffin	WB5OSM	918.520.7668	wb5osm@tulsahamradio.org
Activities	Paul Young	KE5EHM	918.637.8414	ke5ehm@tulsahamradio.org
Engineering	OPEN			
Public Relations	OPEN			
Membership	Tom Stroud	KD5OPH	918.695.3735	kd5oph@tulsahamradio.org
Operating Standards	Ed Compos	K5CRQ	918.231.7730	k5crq@cox.net
By-Laws	Gary Parham	KC5ZQP	918.369.1065	kc5zqp@aol.com
Past President	Mark Conklin	N7XYO	918.232.8436	n7xyo@tulsahamradio.org
Newsletter Editor	Steve Miller	AA5V		aa5v@tulsahamradio.org

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

Mail to: