



THE SIGNAL



Official Newsletter of the
Tulsa Repeater Organization



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“Covering Tulsa through the air”

PREZ SAYS:

I hope everyone had a nice Christmas and New Year's. I know for me getting to see family and friends makes the holidays the best. If you didn't get the ham radios you wanted for Christmas you have another chance to get them in a few months at the **Green Country Hamfest 2019 Friday April 12th & Saturday April 13th**. We have officers elections coming up if you want to run for office or know someone that wants to, let one of the officers or the election committee know. I wish everyone will come to the next meeting on Jan 22, 2019.

Paul Young – KE5EHM

MEETING PLACE FOR JANUARY 22 IS:

Shiloh's Family Restaurant
2604 North Aspen Avenue in Broken Arrow

DECEMBER – CHRISTMAS PARTY:

The Christmas party was another good time. Paul Teel – WB5ANX won the MFJ 874 power meter and Ben Joplin – WB5VST won the IS-399 multi-power source Weather Radio. Michael Paxman – K5MWP won the 50/50 pot. Paul Young – KE5EHM won one of the Shiloh's Restaurant gift cards and I haven't tracked who won the other. I'm told everyone had a good time unwrapping everyone else's junk. Wish I had been able to attend.

By Steve Miller – AA5V

In This Issue

PAGE 1 Prez Says
January Meeting Place
December Christmas Party
PAGE 2 Green Country Hamfest
2019
Membership Meeting Minutes
PAGE 3 Membership Meeting
Minutes
Treasurer's Report
PAGE 4 Treasurer's Report
Activities
Engineering Report
Repeater Status
PAGE 5 ARES Net
The Successful Ham Radio
Operator's Handbook
PAGE 6 The Successful Ham
Radio Operator's Handbook
PAGE 7 Club Meetings
VE Test Sessions
PAGE 8 Making Contact
TRO Officer Contact Information



GREEN COUNTRY HAMFEST 2019 WILL BE APRIL 12 & 13:

Green Country Hamfest 2019 will be April 12 & 13, 2019 back at the Claremore Expo.



We've selected an Elecraft K3S as the Grand Prize for this year, the Yaesu FT991A as first prize, Heil Parametric Receive Audio System (PRAS) second place prize and a Yaesu FT891 as third place prize.

Registration is open on the website now. The only way to preregister this year is **on-line** for tickets and flea market tables. Check www.greencountryhamfest.org for more information.

Also, it has been decided to keep our same prices as last year. Preregistered tables will be \$10.00. Tables (if available) bought at the door will be \$15.00. Preregistered tickets will be \$8.00 and \$10.00 at the door. Preregistration ends on March 31, 2019.

If you want to be involved in planning the hamfest, we meet the 2nd Thursday of the month, September through May. Our meeting place, at least for now, is Mazzio's at the Farm 51st and Sheridan. The April meeting will be the night before the big show and will be at Claremore. Contact Merlin WB5OSM for more information. Email wb5osm@hotmail.com or call 918.520.7668

73, Merlin Griffin - WB5OSM

MEMBERSHIP MEETING MINUTES OF 11/27/18:

Tulsa Repeater Organization Membership Meeting Minutes

Date: November 27, 2018 1903 hrs. # Present: 21

Secretary: Paul Teel, WB5ANX

Opening from Paul Young, KE5EHM, President

- Introductions

Reading of Minutes

- Motion to approve as posted, Bart Pickens, N5TWB
- Second by Ben Joplin, WB5VST
- Approved by voice vote.

Treasurer's Report

- Motion to approve as posted, Steve Murtha, KA5MOD
- Second by Bob Hildebrand, KG5MQQ
- Approved by voice vote.

Engineering

- All systems are operational.

Activities

- Proposal to provide SAG support the Rut's & Gut's bike event set for December 9.
- Motion by Mike Paxman, K5MWP
- Second by Ben Joplin, WB5VST
- Approved by voice vote.

No report from Public Relations, Membership, Operating Standards, By Laws, or Trustee:

Old Business

- None

New Business

- None

Announcements:

- Details on the TRO Christmas Party. Same location as the membership meeting, December 11, at 7 pm. Come at 6 to eat. Dirty Santa, bring a wrapped prize.
- Nominating committee was formed for the 2019 year and will report at the January meeting.
 - Ben Joplin, WB5VST will be past-president.
 - Also serving will be Bart Pickens, N5TWB; Ed Compos, K5CRQ; Joe Gorkos, N5TEX; Ray Young, K5CFY.

End of Business:

- Kenneth Baucum, KG5CBM, made the motion to adjourn.
- Johnnie Rentfro, N5XQK, seconded the motion.
- Motion approved by voice vote.
- **Meeting adjourned at 1928 hours.**

TRO TREASURY REPORT OF 01/14/19:

Total TRO Accounts Beginning Balance	\$5139.73
Checking Beginning Balance	\$1450.91
11/29 Steve Miller-AA5V reimburse for IS-399 Wx Radio & MFJ874 Meter - Prizes	-\$158.95
11/29 Steve Miller-AA5V reimburse for 2 Shiloh Gift Cards - Prizes	-\$40.00
01/14 Steve Miller-AA5V reimburse TRO P.O. Box 01/01/2019 thru 12/31/2019	-\$82.00
Checking Balance	\$1169.96
PayPal Beginning Balance	\$219.18
No activity	
PayPal Ending Balance	\$219.18

Cash	\$25.00
No activity	
Cash Balance	\$25.00
Savings Beginning Balance	\$3444.64
11/30 Interest	+\$1.41
12/31 Interest	+\$1.46
Ending Savings Account Balance	\$3447.51
Total TRO Account Balance	\$4861.65
Respectfully Submitted by Steve Miller – AA5V 01/14/2019	

ACTIVITIES:

The TRO is in need of an Activities Chairman. Kenneth Baucum – KG5CBM has done a fantastic job as Activities Chairman for 99 years, but, needs a break. Contact TRO president Paul Young – KE5EHM at KE5EHM@tulsahamradio.org if you are interested.

ENGINEERING REPORT:

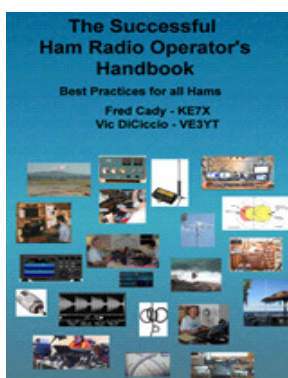
Joe Gorkos – N5TEX reports: All our repeaters are up and running.
 Thank you Bob – W5RAB, Tom – K5OVT and Joe – N5TEX

REPEATER STATUS	
146.805 (-) PL 88.5	Autumn Oaks Building 71 st & Yale - Working
148.880 (-) PL 88.5 (CityPlex), 82.5 (Skiatook) or 141.3 (Keetonville receiver)	81 st & Lewis - Working
146.940 (-) PL 88.5	Sun Building, 9 th & Detroit – Working
927.700 (-25 MHz) (902.7)	CityPlex - Working
Metro Link:	
444.1 (+) PL 88.5	Skyline East 41 st & Skelly Drive – Working
444.725 (+) PL 88.5	GRDA tower NW of Skiatook – Working
444.950 (+) PL88.5	Autumn Oaks Building 71 st & Yale – Working



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



Ad of interest to ham radio operator's submitted by Doug Lee - KC5ZQM

The Successful Ham Radio Operator's Handbook

This new book is aimed at new or returning hams, to help them understand the practical aspects of the hobby, how to use their radios, build antennas and baluns, and get on the air successfully. In it you will find explanations of how the various parts of your ham radio - the transmitter and receiver – work, plus how these are being implemented using software defined radio technology. Operating techniques for VHF/UHF repeaters, HF radio DXing techniques, and the new digital modes are covered. Radio propagation, antennas, transmission lines, SWR and the mysteries of baluns are explained. Building your HF station, choosing a radio, connecting your radio to a computer, and mobile and portable operation are extensively covered.

Both the pdf and spiral-bound printed versions are available from Lulu.com, and the print copy is also sold by DX Engineering. You can find them via the links below:

<http://www.ke7x.com/successful/ordering-the-successful-ham-radio-operator-s-handbook>

Here is a link that describes the book in more detail:

<http://www.ke7x.com/successful>

Follow us on www.facebook.com/KE7XBOOKS to keep up-to-date on book news and to be notified of book discounts at www.lulu.com.

This book has 267 pages, 211 figures and diagrams, and 53 tables of data to make understanding the sometimes complicated ham radio operations much easier. The book follows KE7X's philosophy of presenting material in several forms to accommodate people with different learning styles -- reading, visualizing, hands-on -- with the many figures and text explanations and there are hands-on exercises throughout the book that can help you learn more about your particular radio.

Follow us on www.facebook.com/KE7XBOOKS to keep up-to-date on book news and to be notified of book discounts at www.lulu.com.

One instructor for new and advanced ham classes has said, "This book is exactly what is needed. I've seen some other books targeting the new hams that are less than satisfying both technically and in content but this one is right on the mark and covers so much information that I so often get asked about, during and after teaching classes."

Here are more details on the content:

- With nearly 110 years of ham radio experience between them, the authors are still excited about the challenges this wonderful hobby offers. *The Successful Ham Radio Operator's Handbook* will guide you when exploring some of these.
- Its goal is to help new operators and returning old-timers learn about the breadth of exciting ham radio activities and challenges available today.
- It answers the question "Why is ham radio relevant in the Internet age?"
- It covers a wide range of topics, helping the reader to understand the excitement of different facets of ham radio and to choose a challenging and exciting activity to pursue.
- It helps the reader better understand how the radio works. Many hams only use a small fraction of the features of their radio. For example, if you understand how a noise blanker or a roofing filter or the AGC works, you will be able to more easily use these, and other, features of your radio to your benefit.
- It provides exercises designed to apply the knowledge to cement your understanding of how your radio works without being radio-specific. It is good for all makes and models.
- It helps the reader get enough background to understand much of the jargon hams who pursue special activities, such as the various digital modes, VHF contesting and moon bounce. It quickly takes the novice reader to higher level of understanding and provides URLs and websites that help the reader go deeper into new interests.
- Antennas remain a key area where all hams can still successfully experiment and create a key part of their station. This book provides information to help new hams get started cutting their own verticals and dipoles. It explains why some popular multiband antennas may have compromises that impact performance.
- It gives practical guidelines about choosing transmission lines and building and using baluns and chokes.
- Digital modes such as RTTY, PSK and the new WSTJ modes are explained. The computer-to-radio connections needed for these modes are discussed and illustrated.
- Many hams are motivated by public service and emergency preparedness. This book describes typical local emergency organizations and national networks.
- Hams who like to operate while traveling will find practical information on reciprocal international agreements and how to get permission to operate legally.

CLUB MEETINGS

Tulsa Repeater Organization

Fourth Tuesday of the month, except June (Field Day) and December (Christmas) 1900 (7PM)
Shiloh's Restaurant, 2604 North Aspen, Broken Arrow
Come early if you plan on having dinner.
Schedule for 2019: JAN 22, FEB 26, MAR 26, APR 23, MAY 28, JUN 25, JUL 23, AUG 27, SEP 24, OCT 22,
NOV 26, DEC 10

Tulsa Amateur Radio Club

Third Tuesday of the month 1900 (7PM)
Keplinger Hall, TU Campus, 5th & Harvard
Schedule for 2018: FEB 19, MAR 19, APR 16, MAY 21, JUN 18, JUL 16, AUG 20, SEP 17, OCT 15, NOV 19, DEC 17

Broken Arrow Amateur Radio Club

First Monday of the month (except for holidays) 1900 (7 PM)
Central Park Recreational Center, 1500 S Main, Broken Arrow
Schedule for 2018: FEB 4, MAR 4, APR 1, MAY 6, JUN 3, JUL 1, AUG 5, SEP 9, OCT 5, NOV 4, DEC 2

Rogers County Wireless Association

Second Friday of every month at 1900 (7 PM)
Eggbert's at 900 South Lynn Riggs Blvd, Claremore OK
Come around 6'ish if you plan on having dinner.
Schedule for 2018: FEB 8, MAR 8, APR 12, MAY 10, JUN 14, JUL 12, AUG 9, SEP 13, OCT 11, NOV 8, DEC 13

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

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@cox.net, or 918-853-8118

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

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
Contact: Phil Stephens, W5PTT at: W5PTT@cox.net

Tulsa Amateur Radio Club

Third Saturday of every month at 0900
Pentecostals of West Tulsa 2124 W 41st Tulsa OK
Contact: John Carr, K5TBL at 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 74013
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 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	ke5ehm@tulsahamradio.org
Vice-President	Tom Stroud	KD5OPH	918.695.3735	kd5oph@tulsahamradio.org
Secretary	Paul Teel	WB5ANX	918.640.6000	wb5anx@tulsahamradio.org
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
Engineering	Joe Gorkos	N5TEX	918.230.8243	n5tex@tulsahamradio.org
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

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:

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Mail to: