



TRANSMITTER



TULSA AMATEUR RADIO CLUB, INC. NEWSLETTER ©

November 1993

Elections & Bylaws Vote

It's that time of year again, the election of officers. The nominating committee made public it's recommended slate of officers at the October meeting. The slate is as follows:

- President -**
Steve Sargent, N5VJH
 - Vice President -**
Richard Morgan, WB5IQS
 - 2nd Vice President -**
Lou Wilcoxin, N5TXA
 - Secretary -**
Pat Lane, K5QOP
 - Treasurer -**
Tim Aman, KB5OGH
 - Trustee -**
Robert Reynolds, KB5PCN
 - *Public Service Liaison Officer -**
Vince Moore, N5RFB
- (* New office pending Bylaws ratification)

There will be two separate votes, the first will be the adoption and ratification of the changes in the Club's By-laws. The second vote will be for 1994 officers of the club. The new position of Public Service Liaison Officer will only be valid if passed with the new By-laws.

It is very important that as many members come to the meeting as can, to vote. However in this issue of the Transmitter, there is a Proxy Voting Ballot. If you wish to vote by Proxy please return the ballot as quick as possible and mark on the envelope PROXY. This issue of the Transmitter is going to be short because of the need to get out the Proxy Ballots.

I would like to congratulate the fine work the Nominating Committee, under Charlie Kays - AB5EF and the By-laws Committee under Pat Lane - K5QOP did.

Their work I believe has guaranteed the successful growth of the club as well as established a true direction the club can follow in the years to come.



LUCKY 13!

Have you seen the latest QST. Well the Tulsa Amateur Radio Club placed 13th in the 6A class. What does this mean? Well in 1991 we placed 32nd in class 5A with 3232 points. In 1992 we placed 21st in class 6A with 2666 points, we only operated 12 hours due to severe weather shutting us down. That year there were 36 clubs in the 6A category. This year we finished 13th with 4706 points and there were still 36 clubs in the 6A category. And guess what? Number 12 had 4734 points, number 11 had 4884 points and number 10 had 5000 points.

This is the "old if we only had" routine..but think about it. One satellite contact - 100 points and 40 more CW QSO's and we could have made 11th. Folks pat yourself on the back, because there was only one other Oklahoma station that placed higher in their category (Choctaw ARC - 2A Battery) and one other that had more points (Broken Arrow ARC - 2A). Congratulations go out to those clubs as well for their successful Field Day endeavor. Manning 8 stations gave more variety and perhaps we can lure more operators for next year. Anyway job well done.

By the way if I get the smoker I want next year everyone will have bring the Alka-Seltzer for my Barbecue.

October Meeting

For those of you who missed it was full of variety. Major Glen Fite led a sing-a-long which needless to say is probably why the FCC doesn't allow music on the amateur bands. The Major was the only one in key and the rest of us should keep our day time jobs. Major Fite and Jon Wallace gave a great presentation on the Salvation Army's Mission as well as a history and background. Jon Wallace then personally thanked the amateurs who had participated in the Catoosa Tornado disaster.

The second program was on test equipment and needless to say a dream bench could had with what was available. Ron Gamel, N5WX showed off his IFR Service Monitor and a Fluke portable scope. Tim Diehl, KB5ZVC had an O-scope with a RF pick-up to show voltages on an antenna. And Steve Sargent, N5VJH showed off a TDR (Time Domain Reflectometer). There were many other goodies to be seen as well.

REPEATERS

The 443.000 UHF machine just got a recent overhaul. The receiver was deaf at 1 mV sensitivity. We realigned it to .3uV. New Decibel Bp - Br duplexers (new to us) were added and aligned by Steve Sargent, N5VJH, using a Hewlett Packard Spectrum Analyzer. The transmitter was tuned up and a Micro Computer Concepts RC-1000 Controller was added.

With the controller will come an autopatch on 443.00. Some technical modifications will have to be made to keep 145.27, 147.045 and 443.000 from buzzing over each others phone calls. We are having to construct some "off hook" logic, so that all three repeaters can share the same phone line. Oh I forgot to mention that 147.045 will have an autopatch too.

The MCC RC-1000 controller only has 31 speed dial numbers, that will present a problem when we exceed 31. The CAT-500 controller has 60 speed dial numbers. Hopefully the 443.000 machine will have a CAT controller on it in the future.

And there are still speed dial numbers available - see Robert Reynolds, KB5PCN for details. Don't forget the TARC Net on each Thursday @ 9:00 PM. Check in and have fun and good company on Thursdays!

TARC OFFICERS

President, Vince Moore, N5RFW
Vice President, Steve Sargent, N5VJH
2nd V Pres., Lou Wilcoxson, N5TXA
Secretary, Richard Morgan, WB5IQS
Treasurer, Tim Aman, KB5OGH
Trustee, Robert Reynolds, KB5PCN

CLUB MEETS

Tulsa Amateur Radio Club
2nd Tuesday of the month @ 7:00 PM,
Keplinger Hall, TU Harvard, Tulsa

Tulsa Repeater Organization
4th Tuesday of the month @ 7:30 PM,
Vo-Tech, 34th & Memorial, Tulsa

Broken Arrow Amateur Radio Club
1st Monday of the month @ 7:00 PM,
EOC, Police Building, Broken Arrow

American Airlines Amateur Radio Club
Last Saturday of the month @ 8:00 AM,
Lil Abner's Dairyette, Catoosa

Owasso Amateur Radio Club
3rd Monday of the month @ 7:00 PM,
Owasso Community Center South of Fire
Department off of 76th Street North,
Owasso

Let's Make A Deal...

SELL: ICOM 251A two meter all mode base. Call Charlie Smith, KB5VDP @ 224-2508

SELL: ICOM IC245 two meter radio with 55B. Rated at 10 watts and has a scanner installed. Call Ted, N5AFZ @ 247-3254 after 6:30PM

SELL: Pair of C-64 CW Interfaces, AEA CP-1 Gap Vertical 6 Call Tom, KB5HMZ @ 227-1140

SELL: Atlas 210X, slide in bracket & power supply, TEN-TEC 2510B Mode B satellite radio. Call Hank, WA5JRH @ (405) 722-0640

SELL: Alinco DJ F1-HT w/ lots of accessories, \$360 Yaesu 726 Satellite Duplexor Module \$150, Spectrum SCR77 VHF Repeater w/ pre selector \$650, Call: Vince, N5RFW @ 446-6451

SELL: Yaesu FT 470, several battery packs, earphone/head mike, lapel mike, wall charger, soft cases, 2 antennas, Call: Tom N5KBG @ 355-4140.

SELL: Collins 30L1 HF Amplifier, excellent condition, \$475 Call: Lloyd, N5HBD @ 743-9673

SELL: Heath 401 Transmitter and 301 Receiver. Call: Dave, N5XQJ - Bartlesville @ (1) 333-9400 10AM-4PM

SELL: Cushcraft R5, HF vertical LN. \$225.00 Call: Carl, W5NLB @ 627-8998

SELL: United States Frequency Allocation Radio Spectrum Charts. 3 kHz to 300 GHz, full color, heavy paper, 3' x 4' New \$10 - limited supply, old Motorola repeater cabinet \$25, RCI 2950 10 meter mobile \$175 Call: Chuck N5FWX @ 445-7272

SELL: Collins KW-2 Amp supply, round emblem, Ham IV, light duty tower. Call Dale Bramer, WB2ZUG @ 341-5527

SELL: Cushcraft R5 Vertical \$180.00 Call: Curtis, N5WIT @ 587-0526

WANT: UHF Transceiver Call: Greg, N5LWO @ 747-0218

SELL: Drake T4X & R4B Twins w/ matching power supply also talk about selling a Kenwood TS520 Call: Gary, WB9VOM @ 665-8447

WANT: 2 meter amplifier 5 in 30 out Call Jason, N5ZZY @ 743-5320

SELL: Drake UV-3, w/ PS-3 power supply, touch tone mike, full synthesized 2 meter rig \$275. Mosely PR067 \$300 Call: Bill, N5FER @ 272-0521

SWAP MEETS

Broken Arrow Swap Meet
2nd & 4th Saturday @ 8:00 AM,
Presbyterian Church at 12th and
College in Broken Arrow

SA-TRO-DAY Meet
3rd Saturday @ 8:00 AM, PSO
(covered) lot at 7th & Frankfort in
Tulsa

NET NEWS

MONDAYS:
Creek County ARES/RACES 145.430 @ 7:30 PM

TUESDAYS:
Okmulgee County Ares/Races 147.225 @ 8:00 PM
Tulsa District ARES/RACES 146.880 @ 9:00 PM

WEDNESDAYS:
Swap 3.910 MHz @ 7:00 PM
Bartlesville ARES 146.76 @ 8:00 PM
Pawhuska ARES Net 146.985 @ 9:00 PM

THURSDAYS:
TARCNET 145.27 @ 9:00 PM
Sooner Swap 147.000 @ 7:00 PM

SATURDAYS:
Owasso Net 146.43 Smpix MHz @ 9:00 AM

SUNDAYS:
American Airlines Net 147.000 @ 9:00 PM

OTHER:
Bat Net ThFS 146.880 @ 10:00 PM
Sooner Traffic MTWTF 3.845 MHz @ 5:30 PM
Gater Trader Swap M & F 3.898 MHz @ 6:00 PM

Reminders:

Your ARRL Membership and renewals to that membership can be processed through the TARC. This will not cost you any extra and will not delay delivery of QST or any other services. It does however pay the club commission at \$5.00 for new memberships and \$2.00 for renewals. So help the club and join the ARRL, the main line national organization that benefits all amateur radio.

New FCC Rules Impact Public Events Communications

The FCC has relaxed the rules in Part 97 to allow greater flexibility for 1) public service and 2) personal communications. The action had the general support of the amateur community which perceived that the existing rules hampered amateurs' ability to serve the public and meet their personal communications needs.

The FCC has relaxed the prohibition against using Amateur Radio as an alternative to other radio services such as the maritime services, land mobile radio services or the cellular telephone service. This may now be done, on an occasional basis. Among other things, this removes the ambiguity that has plagued ham groups in providing communications in public events. It should end those situations in the past where hams have had to debate every aspect of a communications effort as to legality prior to engagement. Now, provided it is done on only an occasional basis, and the ham or his employer do not have a financial interest in the effort, hams can just do it.

Hams will also be able to more fully satisfy their personal communications needs. This means that, yes, now hams can order pizza via the autopatch (to use the classic example). They will be able to make or break dentist appointments. They will, however, still not be able to call their businesses for messages, or run a message service for hire. The rules still specifically prohibit "communications in which the station licensee or control operator has a pecuniary [business] interest, including communications on behalf of any employer," and for "hire or for material compensation..."

Hams are still restricted in providing communications via Amateur Radio to the media to cases involving safety of life and property and where no other means of communications are reasonably available before or at the time of the event - the essence of the Commission-labeled "immediacy requirement." This undermines the commercial media's ability to take advantage of amateurs for business gain, a long time League concern.

The FCC has stated that "any amateur-to-amateur communication is permitted unless specifically prohibited." This means that if the rules don't say in black and white that you can't do it, you can. And, if you're still not sure after applying this test, then we must turn to the amateur community itself for the answer, and NOT the FCC. (The FCC declined in the rulemaking proceeding to provide a list of examples of permitted and prohibited communications, and there is no indication that they will do so in the future).

For example, standards for communications and answers on specific questions concerning a local repeater should be developed by local repeater organizations, and not the local FCC field office. And that leads us to the bottom line in all of this-. the FCC has given us more latitude in fulfilling our promise, but with that comes a much greater responsibility for self-regulation and cooperation than ever before. We should be up to it.

Reprint from the October 1993 ARRL Field Forum with prior permission.

Ham Calendar

NOVEMBER 1993

- 4 TARC Net 9:00PM**
Bat Net 10:00PM
- 5 BAT Net 10:00PM
Tulsa Amateur Radio School
- 6 BAT Net 10:00PM
Owasso Net 9:00PM
- 7 AA Net 9:00PM
- 8 Creek County ARES/RACES Net 7:30PM
- 9 TARC Meeting 7:00PM**
ARES/RACES Net - Merlin 9:00
- 11 TARC Net 9:00PM**
Bat Net 10:00PM
- 12 BAT Net 10:00PM
Tulsa Amateur Radio School
- 13 BAT Net 10:00PM
Owasso Net 9:00PM
BA Swap Meet 8:00AM
- 14 AA Net 9:00PM
- 15 Creek County ARES/RACES Net 7:30PM
- 16 ARES/RACES Net - Tim 9:00PM
- 18 TARC Net 9:00PM**
Bat Net 10:00PM
VE Testing - SE VoTech 6:30 PM
- 19 BAT Net 10:00PM
Tulsa Amateur Radio School
- 20 BAT Net 10:00PM
Owasso Net 9:00PM
VE Testing Cntr Phy Handicp 9:30AM
Sat-TRO-day SwapMeet, T-Hunt 8AM
- 21 AA Net 9:00PM

- 22 Creek County ARES/RACES Net 7:30PM
- 23 ARES/RACES Net- Vince 9:00PM
TRO Meeting 7:30PM
- 25 TARC Turkey Net 9:00PM**
Bat Net 10:00PM
- 26 BAT Net 10:00PM
Tulsa Amateur Radio School
- 27 BAT Net 10:00PM
Owasso Net 9:00PM
BA Swap Meet 8:00AM
AA ARC - Meeting & Testing
- 28 AA Net 9:00PM
- 29 Creek County ARES/RACES Net 7:30PM
- 30 ARES/RACES Net -Chris

DECEMBER 1993

- 2 TARC Net 9:00PM**
Bat Net 10:00PM
- 3 BAT Net 10:00PM
Tulsa Amateur Radio School
- 4 BAT Net 10:00PM
Owasso Net 9:00PM
- 5 AA Net 9:00PM
- 6 BA ARC - Meeting
Creek County ARES/RACES Net 7:30PM
- 7 ARES/RACES Net - Merlin 9:00PM
- 14 TARC Christmas Party 7:00 PM**
ARES/RACES Net - Merlin 9:00
- 16 TARC Net 9:00PM**
Bat Net 10:00PM
VE Testing - SE VoTech 6:30 PM
- 17 BAT Net 10:00PM
Tulsa Amateur Radio School
- 18 BAT Net 10:00PM
Owasso Net 9:00PM
VE Testing Cntr Phy Handicp 9:30AM
Sat-TRO-day SwapMeet, T-Hunt 8AM
- 19 AA Net 9:00PM
- 20 Creek County ARES/RACES Net 7:30PM
- 21 ARES/RACES Net - Tim 9:00PM
- 23 TARC Net 9:00PM**
Bat Net 10:00PM
- 24 BAT Net 10:00PM
Tulsa Amateur Radio School
- 25 CHRISTMAS**

Thank You

I just want to thank the Nominating Committee for their efforts in preparing a slate of officers for the club. Many hours were spent talking to folks, getting input and ideas. Much was discussed about the future of the club. In away, many more than just the committee members were involved in this process.

A special thanks goes to to Pat Lane - K5QOP, Tim Diehl - KB5ZVC, Chris Whitney - KJ5OM and Jack Long - KC5ADR, also known as the Nominating Committee.

**73, Charlie Kays - AB5EF
Nominating Committee Chairman
Continued on Page4...**

TESTING

First Saturday 9:30 AM

Broken Arrow, Church of Christ, 811 North 4th, 1/4 Mile West of Lynn Lane on 71st, Contact Carl Russell, AB5JU @ 250-3731

Second Saturday 9:00 AM

Tulsa, Center for the Physically Limited, 815 South Utica, Contact Heinz Browleit, W5UIP @ 749-9613

Third Thursday 7:00 PM

Broken Arrow, SE Vo-Tech 129th East Ave & 111th Street, Contact Merlin Griffin WB5OSM @ 272-3081

Fourth Saturday 10:30 AM

Catoosa, Lil Abners Dairyette, Contact Don Feigel, WD5EHU @ 455-6208

CLUB NEEDS

- 1) *Donations for Salvation Army radio equipment*
- 2) *Volunteers to install equipment*
- 3) *Additional repeater sites East and North*
- 4) *Receipts for KRMG Club Awards (keep till later)*
- 5) *Volunteers for Glenpool Christmas Parade*

EME Program by Oklahomas #1
Pioneer Charlie Calhoun - WORRY
Great Prizes
Need large attendance!

Club Repeaters 145.27, 147.045, 443.000

Membership is \$20 /year, associate/family membership is \$10 /year. Article deadline is 4th Tuesday of the month. Articles printed in the Transmitter may or may not express the view of the club membership or it's officers. The club is not responsible for any articles or ads that are placed in the Transmitter. Articles may be edited for utilization pf space and content. All articles become the property of Tulsa Amateur Radio Club unless previously Copyrighted. Copyrighted articles must have approval of the author before being printed in the Transmitter. Corrections should be sent to Vince Moore at the club address or by phone. 446-6451. Tulsa Amateur Radio Club, Inc is a non-profit corporation operating in the State of Oklahoma.

MEETING

November 9TH @ 7:00PM, TU -
Keplinger Hall- 5th & Harvard



THE TRANSMITTER
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