

T H E S I G N A L



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VP Corner - Joe Gorkos N5TEX

There is a time at some point when all of us need to read the Radio Amateur's code and reflect on its significance and meaning.

I believe all of us should learn and live by the Radio Amateur's Code. I hope you agree.



The Radio Amateur's Code

Written by Jerry Taylor

The Radio Amateur is:

- **Considerate**... He/She never knowingly operates in such a way as to lessen the pleasure of others.
- **Loyal**... He/She offers loyalty, encouragement and support to other amateurs, local clubs, the radio society in his/her country, through which amateur radio in his/her

country is represented nationally and internationally.

- **Progressive**... He/She keeps his/her station up to date. It is well-built and efficient. His/ Her operating practice is above reproach.
- **Friendly**... He/She operates slowly and patiently when requested; offers friendly advice and counsel to the beginner; kind assistance,

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ANNOUNCEMENTS

Next TRO Meeting:

Tuesday, September 27, 7:30 p.m. (6:30 p.m. for dinner), at Ryan's Steakhouse, 10934 E. 21st St., Tulsa, OK.

TRO Signal Bulletin: <http://groups.yahoo.com/group/WA5LVT/>

Upcoming TRO Events:

www.tulсахamradio.org/troevents.htm

TRO on Facebook:

www.facebook.com/home.php?sk=group_189314365941

VP CORNER - JOE GORKOS N5TEX (CONTINUED FROM PAGE 1)

- cooperation and consideration for the interests of others. These are the marks of the amateur spirit.
- **Balanced**... Radio is a hobby, never interfering with duties owed to family, job, school or community.
- **Patriotic**... His/Her station and skills are always ready for service to country and community.

(Adapted from the original Amateur's Code, written by Paul M. Segal, W9EEA, in 1928.)



volunteers?

[N5TEX 73's Joe](#)

For this month's activity, I will be demonstrating several methods how to terminate a BNC connector.

We will have a fox hunt in October.

Looking for a good fox. Any

THE PREZ SAYS

WOW! What a summer! A record-breaking heat wave, one of the longest 100*+ stretches ever and the driest since the 30's.

It's been a busy summer for me. I've been busy with meetings for the M.S. Ride, the Mother Road event which is here this weekend. The Post Oak Run and meetings with Joe on the '94 repeater location. (By the time you read this the M. S. 150 will be history).

We will have the Williams Route 66 marathons in the next two months.

If you haven't worked an event yet this is an easier event in which to participate. THEN, we will be looking at Christmas....WOW where has the year gone to?

In October, Joe is going to try to have a Fox Hunt. I hope that you can participate in that. Sounds fun. The October meeting will be conducted by Joe the Vice Prez as I will be out of town (at Camp Gruber).

[Stanley Callahan, KE5HPB](#)

[TRO President](#)



GREEN COUNTRY HAMFEST REPORT

More of the 2012 Green Country Hamfest is coming together. It will be March 9-10, 2012, back at Claremore Expo. The grand prize will likely be, once again, the Elecraft K3. We are still discussing the rest of the prize package.

We are also negotiating the possibility of hosting the ARRL West Gulf Division Convention for 2012.

[Merlin Griffin](#)

[WB5OSM](#)

**ENGINEERING REPORT**

Joe Gorkos N5TEX, Stan Callahan KE5PHB and myself AA5V met with Sam Childers, owner of Arbuckle Towers, at the tower on 209th West Avenue just north of highway 412 to discuss the tower as a site for the 146.94 repeater. The tower is a good site and there is room in the existing buildings for the repeater. Sam told us we could install in one of the buildings. Our problem with the site is leasing a place on the tower is intended to make money for Arbuckle Towers and we do not have money. We offered receipts as a 501(c)(3) corporation of a donation from Arbuckle Towers in the amount they would charge for the rent of the space on the tower, but, Sam was not interested. So, Joe - N5TEX is moving forward with the possibilities we may have with the City of Sand Springs and using space on one or more of their water towers in west Tulsa County.

Mark Thrash - WB5MBK is getting equipment together to make antenna and feedline repairs on the 146.805 repeater. There are other plans from Mark - WB5MBK and Brad Smith - W5BS for .805 to have an internet connection available at the repeater and have EchoLink available on the repeater.

With the 100+ temperatures past, Merlin Griffin - WB5OSM will be planning the installation of the 444.100 repeater back at the Skyline East Building as soon as possible. I hope this is done sometime around the middle of October. We are working around club activities and planned vacations to set a date to complete this project.

I would like to thank those members that have pledged to help the club monetarily for equipment improvements. Some things like the antenna and feedline replacements for 146.805 and at the transmitter site of 146.88 and to replace and/or build replacement 146.28/88 remote receiver units as well as installation of the 146.94 could not be done without your support. As the plans are finalized for our maintenance projects our Treasurer will come a calling.

As always, I encourage everyone to use the repeaters.

[Steve Miller - AA5V](#)

Answer to Ham Quiz for September:

Which of the following is an example of a digital communications method?

- A. Packet
- B. PSK31
- C. MFSK
- D. All of these choices are correct.

Answer: D

[73 DE WB5OSM](#)

[Merlin Griffin](#)



TRO AND RED CROSS VE TESTING RESULTS

Another successful VE testing session on September 15, for the TRO/Red Cross. We produced three new Technician class licenses and two gentlemen upgraded to General.

The successful applicants were:

- Grady Harper, Tulsa, Technician
- Larry Todd WB5IL, Tulsa, General (administrative upgrade)
- Michael Warshum, Tulsa, Technician
- Curtis Oshman KF5IKN, Tulsa, General
- Michael Pickert, Mustang, Technician

The VE Team:

- John Brudvic KC4URD
- Elihu Lebow W5PPD
- Merlin Griffin WB5OSM

Our next scheduled test session: Thursday, November 17, 2011 @ 18:45 at the Red Cross, 11th St. and Hwy 169.

Merlin Griffin
WB5OSM

Ham Radio Communication
2011 Williams Route 66 Quarter Marathon - Oct. 15

Sign up today to participate via Facebook (<https://www.facebook.com/event.php?eid=193613617377886>) or contact Tom Stroud, KD5OPH, 918-695-3735 kd5oph@tulsahamradio.org

AMATEUR RADIO AREA TESTING DATES

Third Thursday of odd numbered months. Next Session: 17 Sept 2011, 6:45 p.m. at the Red Cross building, 11th & 169. Contact Merlin Griffin. Phone 520-7668 or e-mail wb5osm@hotmail.com.

Second Saturday of even numbered months, Next Session: October 8, 9:30 a.m. at the Church of Christ, 505 E. Kenosha Street, Broken Arrow. Walk-ins welcome. Contact: Don Doyle—AC5II at ac5II@arrl.net or 379-0962.

First or Second Saturday of odd numbered months, 9:30 a.m. at Hardesty Regional Library, 8316 E 93rd Street, Tulsa, OK 74133.

2011 Schedule:

- November 5

Walk-ins welcome. Contact Tom K5EHX. E-mail: tom@k5ehx.net or phone: (918) 835-7889 and leave message. Talk-in on 146.55 simplex.

W5YI-VEC Test Sessions

Test sessions held the last Saturday of every third month. Next Session: 29 October 2011 then January 28, 2012. Martin East Regional Library, 2601 S. Garnett Road, Tulsa, OK. **BY APPOINTMENT ONLY!** Contact John, K5ENA, K5ENA@cox.net or 918-346-8284.

Ham Test Online. A very effective online study course for hams. www.hamtestonline.com

TRO MEETING MINUTES FOR AUGUST 23, 2011

Board meeting called to order Stan Callahan KE5HPB

Present were: Tom Stroud KD5OPH, Ben Joplin WB5VST, Joe Gorkos N5TEX, Steve Miller AA5V, Ed Compos K5CRQ

Discussion was held on upcoming events which will be discussed at the meeting.

Joe N5TEX is still working on locations for the .94 repeater northwest of town and things are looking good. More info at the regular meeting

The Post Oak run group advised they would like us to handle their communications again and will try to make a donation of money or equipment for the service.

Meeting closed at 2100 hrs.

Regular club meeting was held on 8-23-2011 at Rayan's steakhouse at 19:25 hrs.

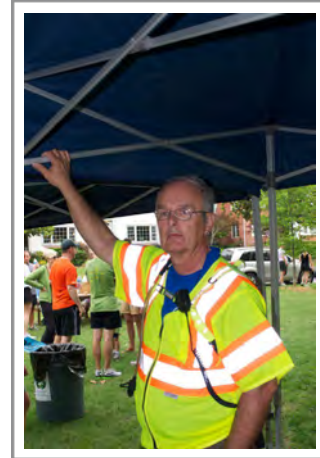
President Stan Callahan KE5HPB called the meeting to order and introductions were made.

Minutes of the last meetings were read by Ed Compos K5CRQ Sec. Motion was made by Mark Conklin N7XYO to accept and seconded By Tom Hance KD5CNY and passed on vote.

The treasurers report was read by Stan KE5HPB and a motion was made by Ed K5CRQ to accept and seconded by Ray Young KE5WGA and

passed on vote.

Steve Miller AA5V reported that the 444.1 repeater is ready to put back on site and we will need some STRONG helpers.



Tom Stroud KD5OPH reported he still needs operators for the Dam Jam and the up coming MS 150. Please contact him and help.

The Route 66 is coming up and operators need for it contact Tom. More on this at next meeting.

Regular meeting closed at 20:40 hours

Joe Gorkos presented a program on Fox Hunting and the associated equipment and it operation. Very interesting program; lots of good info.

Thanks Joe. Good job.

[Ed Compos K5CRQ](#)
[TRO Secretary](#)

HAM QUIZ FOR OCTOBER

From General Exam.:

Which of the following describes the function of a two input NOR gate?

- A. Output is high when either or both inputs are low.
- B. Output is high only when both inputs are high.

C. Output is low when either or both inputs are high.

D. Output is low only when both inputs are high.



COMMENTARY BY STANLEY CALLAHAN

These past couple of weeks I've heard this word passed around a lot, and it's a good "thang." You are our heroes. This is referring to the us, the SAGs and Communications units at the bike rides in which we've helped. This is what the folks that I sagged have said to me. They just couldn't say thanks enough to us.

Now, this is my own personal commentary. The folks that have endured the "pains and sprains, blood, sweat and tears" to raise money for

research for M.S.,(some of my extended family have this) Diabetes (including myself and Brian Gnad who benefit from research) and so on. These are my heroes for the day. These folks have done what I can only think about doing.

And to mention one of our own - Mark Thrash WB5MBK who was a participant in the M. S. 150 mile ride and FINISHED!

And to my daughter who ran her first marathon this past weekend - The Race for the

Cure. I say THANK YOU! Every one of those folks who put on running shoes or hopped on a bicycle to raise money - YOU are my HEROES.

[Stan Callahan](#)

[KE5HPB](#)

**MS150 - JOB WELL DONE!**

We would like to express our thanks to the following Bike MS 150 2011 communication volunteers. They should feel very admirable of themselves to take time from their families, jobs and things they love doing on a weekend, their efforts are their to make a difference in the safety and well being of 500 bike riders alone out on the mother road HWY 66. It was an eventful weekend for us with all coming back to the finish line safe with wheels down.

Ham Radio Communication Volunteers for Bike MS 150 2011

Nco (IC/Command Post) - Tom Stroud

Co-NCO (Command Post) - Ben Joplin

Sag Adam (Field Operations/Back-up NCO) - Stan Callahan

Sag Delta - Charles & Electra Sharp

Sag Echo - Floyd Grant

Sag Foxtrot - Jim Beach

Sag Golf - John Grace

Lead 1 (Safety) - Merlin Griffin & wife Linda

Sweep 1 - Brian Lee Gand

Extra Grats: to Ben Joplin For Setting up his RV with a mobile repeater as our Mobile Command Post,..and making things interesting and eventful for us each day.

Brian Gand for just being Brian and the remarkable job of finding the Tail.

Charles' daughter, Electra, did an outstanding job as a youth co-operator for us in Sag Delta it so grate to have youth operators working with us.

Job Well Done,

[Tom Stroud KD5OPH](#)
[TRO Activities Chairman](#)

BSA FALL FESTIVAL - AFTER ACTION REPORT

I was able to attend the 9/14 evening meeting for the orientation to the site and the activities. Vickie, the event organizer, was very easy to work with on all matters. She has given me a Thank You card and participation ribbon for TRO. I asked a work colleague (N5ICN) to assist me with this project so I want to make sure to recognize his efforts as he is not a TRO member.

We set up a 20m HF station with a vertical antenna (courtesy of AD5PE of TARC) and a 2 meter station. The Radio Equipment and power supply was provided by Tulsa Technology Center (Icom IC-271A all mode 2 meter & Yaesu FT-847 HF/6/2/440) with coax provided by TARC. Just this equipment alone presents multiple operating possibilities that we were not able to fully work to our advantage.

Specific feedback/opportunities for improvement:

1. We were set up in a high traffic area but our visibility was limited as we did not have a large sign to advertise the activity. We were on the site map given to all participants.

This is an area TRO ought to consider for future Fall Festivals to get a large vinyl sign for visibility.

2. We had some traffic but it tended to be parents/grandparents rather than the kids. Further technology on items like space communications via satellite or ISS could be an area that could draw some participants. Also, digital communications methods could also help draw others. This will probably require knowledgeable operators.
3. We had no requests to operate the equipment. We need to make some prior arrangements with other operators to be available at distant stations for working those we can get interested in operating.

It was a good learning exercise for me and I'd be glad to continue to handle this project w/ TRO while working to make the improvements noted above.

Respectfully submitted,

N5TWB
Bart Pickens

**Keep Up To Date
On the Latest HAM News!**

Doug Lee KC5ZQM writes and emails a weekly bulletin that features the most current, ham-related information on testing sessions, public service events and training, club meetings, and Nets. You can subscribe to this bulletin at <http://groups.yahoo.com/group/WA5LVT/>

Check out the past issues on the TRO website: <http://www.tulshamradio.org/TROBulletinSelect.htm>



WHAT'S THE SET?

SET is an acronym for **Simulated Emergency Test**. The ARRL's Simulated Emergency Test is a nationwide exercise in emergency communications, administered by Amateur Radio Emergency Service –ARES-OK Leaders including Emergency Coordinators (County level), District Emergency Coordinators (Multi-County area), Zone Emergency Coordinators (Regional area) Section Emergency Coordinators (State) and many local, regional, and statewide Net Managers. Many other Section Leaders like the Section Manager and the Section Traffic Manager may have a hand in planning the exercises.

When is the SET? SATURDAY OCTOBER 1, 2011

How to Join the SET

To participate in this year's emergency test, contact your **local** ARES-OK County and District level emergency coordinators to find out the details. ARES-OK teams will conduct their exercises on **SATURDAY OCTOBER 1, 2011**. If you don't know who your **local** contact is, please go to www.ARESOK.org log in (new volunteers click apply) and find your ARES-OK County and District level emergency coordinators for assistance.

Whether you're a new licensee or an experienced radio amateur, the **SET** is a golden opportunity to learn or practice useful skills in traffic handling,

net operation and emergency communications protocols and management.

Purpose of SET

1. To find out the strengths and weaknesses of ARES, and NTS in providing emergency communications.
2. To provide a public demonstration--to served agencies such as the American Red Cross, the emergency management agency and through the news media--of the value to the public that Amateur Radio provides, particularly in time of need.
3. To help radio amateurs gain experience in communications using standard procedures and a variety of modes under simulated-emergency conditions.

Mark Conklin
N7XYO

Read more about this year's SET on the ARRL website:
<http://www.arrl.org/news/get-set-for-the-2011-arrl-simulated-emergency-test>



A NEW BOOK THAT SHOULD INTEREST BOTH YOUNG AND OLD OPERATORS



Computers in Amateur Radio By Steve White, G3ZVW

A practical guide to a wide range of amateur radio topics. Software defined radio (SDR), Datamodes, modeling for Antennas, Propagation and even Terrain for HF, D-Star and APRS. CD packed with logging, contests, mapping, Morse code training, APRS, RTTY, SSTV and more.

HB9DRV SELLS RIGHTS TO HAM RADIO DELUXE

Simon Brown, HB9DRV, has sold the rights to his popular [*Ham Radio Deluxe*](#) software package to a group consisting of Mike Carper, WA9PIE, Randy Gawtry, K0CBH and Rick Ruhl, W4PC. All three principals have more than 25 years of experience with radio data communications. Rick Ruhl is the president of [W4PC Software, Inc](#)

whose products

include the

PakRatt,

PKTerm and

Radio

Operations

Center software

suites. Randy

Gawtry is the

president of

[Timewave](#)

[Technology Inc](#)

whose products

include the PK

and DSP

families of data controllers and other commercial data products. Mike Carper is an experienced Fortune 500 technology executive, educator and featured speaker in the areas of wireless technologies and IT Service Management.

“Simon has done a fantastic job with this software,” Carper said. “His vision for integrating rig control, rotor control, logging, digital modes, and satellite operations into a single integrated feature-rich software suite has captivated the ham radio community. We’d like to see this product continue in a way that respects the hard work put into this package by Simon and others, maintaining that vision, while delivering timely fixes and feature enhancements in the future, will be the number one priority.”

“After many years writing the *Ham Radio Deluxe* software it’s necessary to take a break and hand

the whole project over to another team,” said Simon Brown, HB9DRV. “The support effort required has become more than I can realistically manage, with many thousands of users, new radios and other hardware appearing all the time and unexpected changes to the infrastructure used by *Ham Radio Deluxe* such as QRZ.com, I

no longer have any time at all for other projects. As some of you will know, I have formed a company called [SDR-RADIO.com GmbH](#) and I am now working in the Software Defined Radio arena with

RFspace. This is the technology of the future; a future I want a part of. In 2012 I plan to return to England and get back on the air, something I haven’t done much during the last 25 years.”

The new owners are in the process of building a development environment for *Ham Radio Deluxe* and they plan to begin by addressing some of the bugs in the existing “To Do List” for an upcoming version 5.1 release. The 5.1 release will be made available at no charge to registered users when completed.

Thanks to ARRL for this information: <http://www.arrl.org/news/view/hb9drv-sells-rights-to-ham-radio-deluxe>



65 GREAT THINGS ABOUT HAM RADIO

Reprinted with permission from CQ Magazine:
<http://www.cq-amateur-radio.com/>

1. It works when nothing else does
2. It makes you part of a worldwide community
3. The opportunity to help neighbors by providing public service and emergency communications
4. Some of the nicest people you'll ever meet
5. Some of the smartest people you'll ever meet
6. Some of the most interesting people you'll ever meet



7. Some of the most generous people you'll ever meet (along with some of the cheapest!)
8. Lifelong friendships
9. Friends around the world (including those you haven't met yet)
10. The opportunity to go interesting places you might not otherwise go to
11. The opportunity to do interesting things you might not otherwise get to do
12. The opportunity to expand your knowledge of geography
13. The opportunity to expand your knowledge of earth and space science
14. Practical uses for high school math
15. Practical uses for high school physics

16. A good way to practice a foreign language
17. A good way to keep in touch with faraway friends and relatives
18. A good way to get driving directions when visiting someplace new (with or without GPS)
19. A good way to find the best places to eat when visiting someplace new (with or without GPS)
20. Finding "non-touristy" off-the-beaten-path places to stay, eat, visit, etc.
21. A good way to learn about virtually any topic
22. A good way to bridge the generation gap
23. A good way to keep tabs on elderly/infirm people
24. People named Joe (Walsh, Rudi, Taylor)
25. How many of your non-ham friends have actually talked to someone in some remote place such as Cape Verde or the Seychelles?
26. How many of your non-ham friends might have talked to an astronaut aboard the space station?
27. How many of your non-ham neighbors might have a satellite uplink station in their basements—or in the palms of their hands?
28. How many of your non-ham neighbors might have a TV studio in their garage?
29. What other hobby group has designed, built, and had launched its own fleet of communication satellites?
30. Where else can you play with meteors?
31. Moonbounce
32. Informal way to improve technical skills

65 GREAT THINGS ABOUT HAM RADIO (CONT'D)

33. Informal way to improve communication skills

34. Introduces a variety of career paths

35. Offers unparalleled opportunities for career networking

36. Opportunities for competition in contesting and foxhunting

37. A good way to collect really cool postcards from around the world (despite the growth of electronic confirmations)

38. Nearly endless variety of different things to do, on and off the air

39. Hamfests

40. Dayton

41. Field Day



42. Working DX

43. Being DX

44. DXpeditions

45. Contesting

46. Award-chasing

47. Double-hop sporadic-E

48. Worldwide DX on 6 meters (once or twice every 11 years) [The current extended sunspot minimum has shown that mechanisms other than F2 propagation can offer intercontinental

DX on the "magic band" at any point in the solar cycle.]

49. Tropospheric ducting

50. Gray-line propagation

51. TEP, chordal hops, etc.



52. Getting through on CW when nothing else will

53. Unexpected band openings

54. Building your own gear

55. Using gear you've built yourself

56. Operating QRP from some remote location

57. Experimenting with antennas

58. Working DX while mobile or while hiking

59. Experimenting with new modes and new technology

60. The opportunity to help build an internet that doesn't rely on the internet

61. DXing on your HT via IRLP and Echolink

62. Contributing to scientific knowledge about propagation

63. Keeping track of other people's GPS units via APRS

64. Ham radio balloon launches to the edge of space, and as always...

65. 65. Reading CQ!



For more information about TRO, visit www.tulshamradio.org

If you would like more information about the **Tulsa Repeater Organization** or have questions about articles in the newsletter, please contact us by e-mail at wa5lvt@tulshamradio.net or write to:

Tulsa Repeater Organization

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