

# T H E S I G N A L



## ARES OK

### *Changes in Zone 4 & 5*

**Charles Goodson, KC5UEG**, has resigned his position as Section Emergency Coordinator (SEC) to become an Assistant SEC working with the North Texas Section on FEMA contacts.

**Mark Conklin, N7XYO**, has replaced Goodson as the SEC. Mark is an experienced Zone Emergency Coordinator (ZEC) for the Tulsa and Northeast portion of the state.

**Ben Joplin, WB5VST**, has been appointed to replace Conklin as ZEC for Zone 4 & 5. Joplin is experienced both as a trainer and on deployments during communication emergencies. He was on site at Camp Gruber when evacuees from the Gulf arrived after Hurricane Katrina. Proficient in many operating modes, Joplin is also a long-time member of Tulsa Repeater Organization (TRO). He has served as a club officer on

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## ANNOUNCEMENTS

### TRO Memberships

Please renew, if you haven't done so already.

### Next TRO Meeting - March 22

Our annual weather meeting with meteorologist from Tulsa Weather Service. Tuesday, March 22, at Ryan's Steakhouse, 10934 E. 21st St., Tulsa, OK.

### TRO On Facebook

Join the TRO Facebook Group, <http://tinyurl.com/4tbnplr>. Information, discussions, photos, and more!



### NEW! TRO Signal Bulletin

Daily updates. <http://tinyurl.com/4t6lx3d>.

**ARES OK - CONT'D FROM PAGE 1**

numerous occasions. He recently retired from the IT and Communications Department of AEP/PSO.

**Jay Eimer, AD5PE**, has accepted the appointment of Emergency Coordinator (EC) for Rogers County in Zone 5, District 1. Jay is another experienced amateur radio operator.

**WHAT IS ARES?**

The ARES organization consists of licensed amateur radio operators who have voluntarily registered their qualifications and equipment for communications duty in the public service when disaster strikes.

**Section Emergency Coordinator (SEC)**

The SEC is the Assistant Section Manager for emergency preparedness. The SEC is appointed by the Section Manager (SM) to take care of all matters pertaining to emergency communications and the Amateur Radio Emergency Service on a section-wide basis.

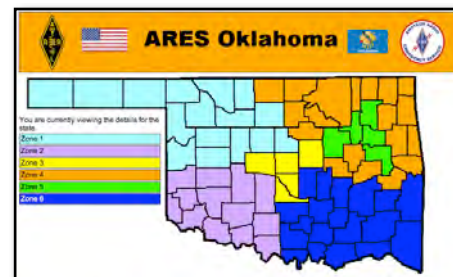
**Zone Emergency Coordinator (ZEC)**

A ZEC assists the Section Emergency Coordinator (SEC) with his or her duties at the zone level.

**Emergency Coordinator (EC)**

The ARRL Emergency Coordinator (EC) is a key team player in ARES on the local scene. Working with the Section Emergency Coordinator (SEC), the District Emergency Coordinator (DEC), and the Zone Assistant Section Emergency Coordinator (ASEC), the EC prepares for, and engages in management of communications needs in disasters.

More info on the ARES Website. ([www.aresok.org](http://www.aresok.org))

**AMATEUR RADIO AREA TESTING DATES**

**Third Thursday of odd numbered months.** 7:00 p.m. at the Red Cross building, 11th & 169. Contact Merlin Griffin. Phone 520-7668 or e-mail [wb5osm@hotmail.com](mailto:wb5osm@hotmail.com).

**Second Saturday of even numbered months,** 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](mailto:ac5II@arrl.net) or 379-0962.

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

*2011 Schedule:*

- January 8
- March 5
- May 7
- July 9
- September 10
- November 5

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

**Last Saturday of each month**

10:00 A.M. at the Martin East Regional Library, 2601 S Garnett Road, Tulsa, OK. All testing by appointment ONLY. Please contact Pete KF5RD at [mann.p@cox.net](mailto:mann.p@cox.net) or 918.437.4846. Always check with Pete. This group changes schedules regularly.

**Ham Test Online.** A very effective online study course for hams.

[www.hamtestonline.com](http://www.hamtestonline.com)

**THE PREZ SAYS . . .**

Hamfest 2011 is now on the record books as having a very good turnout. During the event, several members of *TRO* renewed their memberships, and we added one new member to our rosters.

My thanks to Steve Miller and Joyce Callahan for working all weekend at the *TRO* table with me. Thanks also to Ed Compos, Gary Parham, Cindy and Bill Downes, and Ben Joplin for helping, as well.

In addition, Ben had a table of his own where he sold his own equipment, as well as some of *TRO*'s surplus.

One of our first projects is a video to be used at events to promote *TRO* to the public and to draw in new members. Watch for details as they unfold.

We do have a full cabinet now:

- Tom Stroud, KD5OPH, Activities Chair

- Ben Joplin, WB5VST, Operations Standards
- Cindy Downes, KF5JFM, Public Relations
- Joyce Callahan, Membership
- Bud Blust, WA5QDZ, By-laws

Joyce and Cindy have hit the pavement running and producing results already. You go, Girls!

One of my goals for this year is to have the 94 repeater up and running (not a campaign promise!), as well as the 88 repeater. I believe the 88 is close.

A very important part of *TRO*'s pledge to public service/safety is member participation in our service events. I'm open to suggestions on how to increase this participation.

Stanley Callahan, KE5HPB  
*TRO* President

**TREASURER'S REPORT****Treasury Report 3-14-2011 For February 2011**

<b>TRO Accounts Balance Beginning:</b>		<b>\$2340.58</b>
Checking beginning balance:	\$ 276.83	
Checking ending balance:		\$ 276.83
Savings beginning balance:	1902.70	
2-28-11 Interest	+ .44	
Ending savings balance:		1903.14
PayPal account beginning:	161.05	
1 - Renewal (Family)	+30.00	
Service charge:	-1.17	
PayPal account ending:		189.88
<b>TRO Ending Accounts Balance:</b>		<b>\$2369.85</b>



*Respectfully submitted by Gary Parham, KC5ZQP*

**TRO BUDGET 2011****Annual Expenses:**

Insurance	\$325.00	
P.O.Box	38.00	
City/Plex site rental	120.00	
Field Day	250.00	
Christmas Party mtg.	250.00	
Membership supplies	100.00	
Contest/Awards	100.00	
Office/PR	75.00	
Pres. Discretionary fund	150.00	
SUB TOTAL		\$1408.00

**Capital Expenses:**

146.88	\$250.00
146.805	400.00
146.94	300.00
444.100	XXX
444.725	50.00
444.95	XXX
DIGI	XXX
ATV	XXX
APRS	200.00

(Tulsa Tough is granting \$750 for APRS. This request is for antenna upgrades to 5/8 wave whips.)

SUB TOTAL	\$1200.00
TOTAL	\$2608.00

**\*\*THIS IS ONLY A PROPOSAL - NOT ALL MONIES MAY BE SPENT.**

**\*\*SOME FIGURES MAY BE AMENDED AS NEEDED.**

Stan Callahan, KE5HPB  
President, TRO

THE VP CORNER



Spring is here, and the weather will become the big conversation item because of rapidly changing conditions. It's important to make sure you're prepared for

emergencies. Double check your list of items needed to operate in adverse conditions, such as spare batteries, flashlights, and perhaps a "go kit." Are they ready?

Congratulations to the entire Green Country Team for an excellent job done on this year's "Hamfest" in Claremore. I enjoyed greeting hundreds of Hams from all over the multi-state area at the front door. It was great to meet, in person, some of the Hams we talk with over the air.

All the tables were sold, and extra tables were added at the entrance. Vendors had a good supply of radios and gear. The only minor complaint I received was someone wanted to buy two of the same radio, and the vendor only had one left. My suggestion is to call the vendor ahead and have them bring what you want.

On several of the daily nets, today, I heard many participants say how much they enjoyed being at Hamfest 2011.

Finally, back at TRO, we're discussing programs for this year's meetings. Some of the activities we're considering are: making 2-meter, twin-lead, dipole antenna; fox hunting techniques; show and tell "Go Kits;" and of course, Field Day activities.

If you have a specific interest you'd like to present to the group, let me know at one of the meetings or call me at 918-230-8243.

Joe Gorkos, N5TEX  
TRO Vice President

*Tentative TRO monthly meetings:*

- April: Building a 2 meter, dipole, twin lead, roll up antenna
- May: Field Day discussion, who, what, where, and how
- June: Field Day activities; normally we do not have a meeting this month
- July: Red Cross and HAM radio. Bring in someone from Red Cross to give talk.
- August : Fox Hunting techniques and tools. Follow up with a Fox Hunt the following Saturday. (Should have a small prize for the first place winner.)
- September: A discussion about "Go kits" what make them up. Suggestions, ideas for kits. Members bring in kits, "Show and Tell."
- October: ARES what is it and how to join and be involved. History of ARES.
- November: Red Cross and HAM radio. Bring in someone from Red Cross to give talk.
- December: Christmas Party with give a ways.

For up-to-date information on **TRO Events:**

[www.tulsaamradio.org/othrevents.htm](http://www.tulsaamradio.org/othrevents.htm)

**Monday, May 30, 2011 (Memorial Day)  
Maple Ridge Run**

The TRO will again provide communications support for the Maple Ridge Run. The runs begin at 0800 and are usually concluded by or before 1200.

Communications volunteers need to arrive at 0700. You can't be late or the streets will be blocked. **Volunteer for some fun, communications practice and some ham fellowship.**

**Contact:** Tommy - 146.88 repeater,  
KD5OPH@tulsaamradio.org or 918.695.3735

## VE TESTING RESULTS AT GREEN COUNTRY HAM

Between the two VE Testing sessions:

- 38 people took the test
- 39 if you count the one retake on Friday night.  
He was successful, and passed the Extra class test on the second try.

We produced:

- 6 new **Techs**
- 11 new **Generals**, and
- 4 went all the way to **Extra**

I am very grateful to the VE's that helped with this, and a couple we had on standby if they were needed.

I will put more information about all the volunteers who helped put on the Green Country Hamfest this year. Watch Green Country Hamfest for more info.

[www.greencountryhamfest.org](http://www.greencountryhamfest.org)

The Green Country Hamfest committee will hold a wrap-up meeting on April 14, 2011. Time and place TBA.

*Merlin Griffin WB5OSM*

*President, Green Country Hamfest, Inc.*



## FROM THE INTERNET . . .

Japan Asks Radio Amateurs to Keep Frequencies Clear As Country Goes into Recovery Mode after Devastating Earthquake on the ARRL

Web site. <http://tinyurl.com/4ds3jre>.

**Project idea: Tech Shop in the Neighborhood.** <http://tinyurl.com/4aw3wcf>

Thanks, Tim K3LR

**Make Online** posted a video demonstration of how to use vinegar, hydrogen peroxide and salt to etch a circuit board. Thanks, Jeff AB6MB <http://tinyurl.com/4dcbyay>

**Free of charge to ARRL members:**

The ARRL Letter (weekly digest of news and information), the ARES E-Letter (monthly public service and emergency communications news),

Division and Section news -- and much more! <http://www.arrl.org/membership>

**Alerting Methodologies:** Refer to the *ARRL ARES Newsletter* for information on using these alerts.

<http://tinyurl.com/4e8mj9x>

- Twitter: [www.twitter.com](http://www.twitter.com)

- Google Latitude: <http://tinyurl.com/4cevmpx>
- Foursquare: <http://foursquare.com/>
- Loopt: <http://www.loopt.com/>
- Calling Post: <http://www.callingpost.com/>
- Blackboard Connect: <http://tinyurl.com/5tt3lnu>
- Yahoo Groups: <http://groups.yahoo.com/>
- National Hurricane Conference:** April 18-22, Atlanta, Georgia. <http://www.hurricanemeeting.com>





**TRO MINUTES**

TRO Board and Club meeting was held 2-22-2011.

Board meeting was open at 18:10 hours by Tom Stroud KD5OPH, President.

Officers present were Tom KD5OPH, Ed Compos K5CRQ, Ben Joplin WB5VST, Mark Conklin N7XYO and Steve Miller AA5V.

We discussed the Oak Post Challenge.

We also discussed the Club getting two tables, one for the club's promotion stuff and one to sell equipment. This motion was made by Ed K5CRQ and seconded by Mark N7XYO. Motion passed on vote.

The club has some radio equipment, given to us, that we are not using. A motion to sell it at Hamfest was made by Ben WB5VST and seconded by Mark N7XYO. Motion passed on vote. The equipment is 220 mgh ssb radio, 10 meter fm radio, 2 swr meters, This equipment will be sold at the Green Country Hamfest.

A bill for our insurance was submitted for payment in the amount of \$325.00 for the year. Motion made by Ed K5CRQ to pay and seconded by Mark N7XYO. Passed on vote. Bill will be paid.

Motion made to close by Ed K5CRQ and seconded by Tom KD5OPH. Passed on vote and board meeting was closed at 19:21 hrs.

Club meeting open by Tom KD5OPH at 19.25 hrs.

Minutes were read from the last meetings and by Ed K5CRQ.

Treasurers report read by Gary Parham KC5ZQP.

Tom talked about the last two years, the clubs accomplishments, as well as working with local clubs and clubs out of town, referring to Oklahoma City, on events and Field Day.

Merlin Griffin WB5OSM presented the slate of Officers nominated for next year. They are as follows:

**President:** Stan Callahan KE5HPB

**Vice-president:** Joe Gorkos N5TEX

**Secretary:** Ed Compos K5CRQ

**Treasurer:** Gary Parham KC5ZQP

**Trustee:** Merlin Griffin WB5OSM

No nominations came from the floor. All candidates were elected by a vote of the members present.

Congratulations to all our elected officer and hope you have a great year.

Meeting was closed at 19:59.

Merlin Griffin gave a presentation on Frequency Coordination for Repeaters.

Twenty-five members were present for the meeting.

Ed Compos, K5CRQ  
TRO Secretary



**HAM QUIZ:**

**What is the maximum power output permitted on the 60 meter band?**

- A. 50 watts PEP effective radiated power relative to an isotropic radiator
- B. 50 watts PEP effective radiated power relative to a dipole
- C. 100 watts PEP effective radiated power relative to an isotropic radiator
- D. 100 watts PEP effective radiated power relative to a dipole

## WHAT IS AMATEUR RADIO?



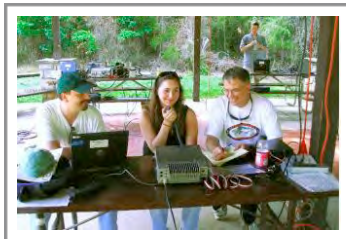
Most of the time, it's the most fun you can have with a radio. It's a way to talk with people around the world, or even orbiting the world; to send e-mail without any sort of internet connection and to keep in touch with friends across town or across the country. But it is called the "Amateur Radio Service" because it also has a serious face. It's a very important emergency communications system too. When cell phones, regular phones, the internet and other systems are down or overloaded, Amateur Radio still gets the message through. Radio amateurs, often called "hams," enjoy radio technology as a hobby –that's the fun part. But it's also a service –a vital service that has saved lives again and again when regular communication systems failed.

Amateur Radio kept New York City agencies in touch with each other on 9-11. When hurricanes Katrina, Rita and Wilma destroyed other communications, ham radio provided vital life-and-death capabilities until systems could be rebuilt. Countless lives have been saved where skilled hams acted as emergency communicators to render aid, whether it's during fires, floods,

earthquakes or a tornado. But most of the time, hams do what they do because it's just plain fun.

## WHO ARE THESE HAMS?

There are almost 700,000 Amateur Radio operators in the USA and over two million in nearly every country in the world. They come from all backgrounds – movie stars, missionaries, doctors, students, politicians, truck drivers and just plain folks. They are all ages, sexes and income levels linked by their interest in wireless communications technologies. There are more licensed American Amateur Radio operators now than ever before in history.



They form a worldwide community of licensed operators using the airwaves with every conceivable means of communications technology. It is made from people who enjoy learning and being able to transmit voice, data and pictures through the air to unusual places, both near and far, without depending on commercial systems.

The Amateur Radio frequencies are the last remaining place in the usable radio spectrum where you as an individual can develop and experiment with wireless

communications. Hams not only can make and modify their equipment, but create whole new ways to do things.



Computer hobbyists enjoy experimenting in wireless digital communications, software defined radios (SDR), long-distance digital and image transmissions. 'Off the grid' power sources and other concepts undreamed of just a few years ago are common in the ham community.

While a Morse code key may still be on the desk, it is probably next to a modern, computerized radio communications system capable of operating, with or without supportive infrastructure, under the most extreme conditions.

## WHY A LICENSE?

Amateur Radio is as old as radio itself and has been a licensed service for nearly a century, offering a pool of self-trained experts able to provide backup emergency communications. While license application requirements vary by country, the Amateur Radio Service is also controlled by international law and agreements because radio waves do not stop for international borders. In its regulations (Part 97),

the Federal Communications Commission (FCC) recognizes the ability of the hobby not only to advance radio communication and technical skills, but also to enhance international goodwill.

Although hams get involved in the hobby for many reasons, they all have in common knowledge of today's wireless technologies, regulations and operating principles. In the U.S., this is demonstrated by passing an FCC examination for a license to operate on radio frequencies known as the "Amateur Bands." These are frequency allocations provided by the FCC for use by hams at intervals from just above the AM broadcast band all the way up to microwaves.

### WHAT'S THE APPEAL OF HAM RADIO?

Some hams are attracted by the ability to communicate across the country, around the globe, even with astronauts on the International Space Station. For some it opens the door to new friendships over the air or through participation in one of more than 2000 Amateur Radio clubs throughout the U.S. Others build and experiment with electronics. Hams are at the cutting edge of many technologies. They provide thousands of hours of volunteer community and emergency services when normal communications go down or are overloaded. All of them enjoy being creators, not just consumers, of wireless technology.



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[www.arrl.org](http://www.arrl.org)

New to HAM Radio? Check out  
Hello Radio [www.hello-radio.org](http://www.hello-radio.org)

### HAMFEST 2011

*Photo Shoot*





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## For more information about the TRO visit [www.tulсахamradio.org](http://www.tulсахamradio.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@tulсахamradio.net](mailto:wa5lvt@tulсахamradio.net) or write to:

### **Tulsa Repeater Organization**

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

#### **TRO officer contact information:**

President: Stanley Callahan, KE5HPB, 918-381-9990 [ke5hpb@tulсахamradio.org](mailto:ke5hpb@tulсахamradio.org)  
Vice-president: Joe Gorkos, N5TEX, 918-230-8243 [n5tex@tulсахamradio.org](mailto:n5tex@tulсахamradio.org)  
Secretary: Ed Compos, K5CRQ, 918-231-7730 [k5crq@cox.net](mailto:k5crq@cox.net)  
Treasurer: Gary Parham, KC5ZQP, 918-369-1055 [kc5zqp@aol.com](mailto:kc5zqp@aol.com)  
Trustee: Merlin Griffin, WB5OSM, 918-520-7668 [wb5osm@hotmail.com](mailto:wb5osm@hotmail.com)

#### **Committee Chairperson contact information:**

Membership: Joyce Callahan, [joyce@tulсахamradio.org](mailto:joyce@tulсахamradio.org)  
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By-laws: Bud Blust, WA5QDZ, 918-747-3704 [debtfree@ionet.net](mailto:debtfree@ionet.net)  
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**Tulsa Repeater Organization**

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