



ARRL Standard



Pray for our  
Troops



God Bless America!

# QUA/HAMnews

October  
2019

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**HAPPY  
HALLOWEEN**

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MARS Station AAV4CAB

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## QUICKY NOTES

Accessing the Club's web page: <<http://www.BluegrassARS.org>>.

Telephone Number for the Shack (basement of the Red Cross Building): (859) 231-0974.

Subscribe to ListServ: Send an eMail to: [bars-request@lsv.uky.edu](mailto:bars-request@lsv.uky.edu); in Subject line type Subscribe plus <your call sign>

Post notes to the Club List Serv: <[bars@lsv.uky.edu](mailto:bars@lsv.uky.edu)>.

The October program will be a discussion on the proposed changes to the club's By-Laws.



Reports of the RECORD OF THE BY-LAWS COMMITTEE MEETINGS will not be published in the newsletter due to length. Contact Secretary Bruce Campbell to obtain a copy of the reports.

QUA/HAMnews

October 2019

## Meeting Notice

Bart Breeding/KB4FEE,  
Chair, Newsletter Committee  
Bluegrass ARS, Lexington, Kentucky

The general meeting of the Bluegrass Amateur Radio Society, Inc., will be held Monday, October 7, 2019, at 7:30 PM, in Meeting Room B, second floor of the Red Cross Building, 1450 Newtown Pike, Lexington.

The program will be a discussion of the proposed By-Laws changes.

Do you have a topic you would like a program on or a program you would like to present? Do you have a home brewed project you have built? Bring it and show it off! Question? Ask it! Maybe your question isn't one about a Club activity or function, maybe you are having a problem getting some newly acquired equipment set up and operating correctly, or you have an antenna with radiation problems. Regardless of your question, problem, or suggestion, bring it to the Club meeting.

The Club shack is open most Saturday mornings for anyone to operate the Club's stations, or to bring pieces of equipment out to be tuned or checked, or to learn about Amateur Radio, or to just sit around and talk just drop in, no appointment necessary. Bluegrass Amateur Radio Society's ham shack is located in the basement of the Red Cross building at 1450 Newtown Pike Lexington, KY 40511. Entrance is down the steps (look for the BARS banner hung on the railing) at the North Side of the building.

## Fayette County ARES Coordinator - Sandy Gragg

The Fayette County ARES net has resumed. Remember the Fayette County ARES net every Tuesday at 8:30 pm on the 146.94 repeater. We are looking for more folks that would help share in the net control. If you would like to Help, contact Sandy KM4PJU, at 859-699-0035

## Jamboree-on-the-Air

<https://www.scouting.org/jota/>



Jamboree-on-the-Air, or JOTA, is the largest Scouting event in the world. It is held annually the third full weekend in October. JOTA uses amateur radio to link Scouts and hams around the world, around the nation, and in your own community. This jamboree requires no travel, other than to a nearby amateur radio operator's ham shack. Many times you can find the hams will come to you by setting up a station at your Scout camporee, at the park down the block, or perhaps at a ham shack already set up at your council's camp.

## Tell Me More

Scouts of any age can participate, from Cub Scouts to Boy Scouts and Venturers, including girls.

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(continued from page 1, Jamboree-on-the-Air)  
Once at the ham radio station, the communication typically involves talking on a microphone and listening on the station speakers. However, many forms of specialized communication may also be taking place, such as video communication, digital communication (much like sending a message on your smartphone but transmitted by radio), or communication through a satellite relay or an earth-based relay (called a repeater). The exchanges include such information as name, location (called QTH in ham speak), Scout rank, age, and hobbies. The stations you'll be communicating with can be across town, across the country, or even around the world! The World Scout Bureau reported that the 2017 JOTA-JOTI had over 1.5 million Scout participants from more than 160 countries.

### When Is It?

Jamboree-on-the-Air is held the third weekend in October. There are no official hours, so you have the whole weekend to make JOTA contacts. The event officially starts Friday evening during the JOTA Jump Start and runs through Sunday evening.



### How Can I Participate as a Scout?

Contact your local Scout council and see what may already be planned in your area. You can also contact a local ham radio operator or a local amateur radio club. You can find a searchable database of clubs at [www.arrl.org/find-a-club](http://www.arrl.org/find-a-club). This website is operated by the American Radio Relay League, the national association for amateur radio, which is cooperating closely with the BSA on JOTA and many other activities. Your local club may be able to direct you to its planned JOTA activities. These can include ham stations set up at camporees or other events. Or, if there are no planned activities, you can either work with them to get something set up or arrange to visit a local radio operator's ham shack at a scheduled time to participate in JOTA.

Contact your local Scout council and see what may already be planned in your area and how you can help. You can find your council using the Council locator.

If nothing is currently planned, or if current plans aren't reaching your area, you can work with the council or a local unit (pack, troop, crew) to set up a JOTA station or arrange for visits to your ham shack. You can also participate just by making QSOs with the many JOTA stations that will be on the air. A good resource to find a local Scout unit is the Be-A-Scout website at .

## JOTA-JOTI 2019

<https://www.jotajoti.info/home/w>

JOTA-JOTI is the world's largest digital Scout event taking place online and over the air. The educational event brings together more than 2.5 million Scouts every year in October for a weekend of Scouting and friendship. Young people can learn about communications technology and connect with fellow Scouts from over 170 countries.



Fun for everyone

JOTA-JOTI is about the 21st century skills you can learn in Scouting and the values of global citizenship. The event is open to Scouts around the world, enabling young people to connect and communicate with each other using the Internet and amateur radio. JOTA-JOTI engages youth in educational activities that build teamwork, cross-cultural understanding and skills for the future.

### How do I get involved?

The best way to get involved is to find a local Scout group participating in JOTA-JOTI and join in with their activities.<https://www.jotajoti.info/home/w>



## Apply Ham Radio to All Scouting Activities

### W3LNE calling CQ, CQ, CQ for all Scout Ham radio operators, CQ, CQ, CQ.

<https://k2bsa.net/apply-ham-radio-to-all-scouting-activities/>

If you are you a Ham and a Scout, I have a question for you. Have you integrated Ham Radio into all of your Scouting events?

If you haven't, why not? If you have, I want to hear from you and what you are doing.

Ham radio is all about fun, safety, and learning new things, just like Scouting. You may have even gotten into Ham Radio or learned Morse Code through Scouting. As a Ham you have technical expertise in many fields that can help your Troops explore new Merit Badges with a Ham Radio twist, this is Radio Scouting.



Imagine this scenario; As you are gathering for your weekend hiking and camping trip, you hear several of your Scouts on the local repeater reporting that they are on the way to the rendezvous point and telling others, with excitement, about their upcoming weekend. As they arrive you can hear several of them telling their parents to listen on the linked repeater for a check-in at 2100 tonight and another says they will try to get a health and welfare message out at 2030. Everyone loads up in the cars but not before coordinating a simplex frequency for the convoy. On the highway one of the Scouts with his General ticket makes a few HF contacts on the Scoutmasters mobile HF rig. In one of the other cars, some of the designated APRS Scouts are trying out a miniature TNC to report the convoys' location by APRS. Another Scout checks his smart phone and confirms they are tracking on APRS via the Internet. Along the way several repeaters are

checked into and the weather forecast checked and weather alerts are turned on in their HTs.

At the trail head, the Scouts divide into two Patrols and confirm the primary repeater coverage and a backup secondary simplex channel and confirm the check-in schedule, of course with 2 deep leadership. At the last Troop meeting they had preprogrammed their HTs and planned activities, reviewed Long Tone Zero (LiTZ) procedures, the Wilderness Protocol, and RF exposure limits. As they hike, they chit chat on simplex and checked-in with the other Patrol. Along the way the Patrols stopped at a few high spots for some hill topping contacts, with great success.



As the Patrols arrived at their campsite, they divided up the tasks and put the tents up and got squared away. Of course they put up a twin lead VHF/UHF antenna they had learned how to build at the last JOTA. They also placed a homemade 20 M dipole in a couple of trees to try some CW and phone on their QRP rig. They had set up a schedule on a Radio Scouting blog with some Troops across the country to QSL with. Two Scouts are sent to get water from the spring 1/2 mile down a side trail and report back a good water source and that they are returning via their HTs. They make some great contacts on 20 M after dark and can't wait for tomorrow. Several Scouts sitting around the campfire talking about what it would take to do a moon bounce on the next campout as they can practically reach out and touch the full moon.



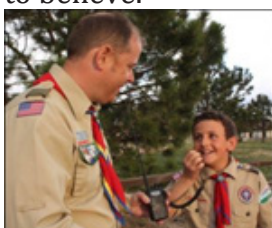
The next morning the Scouts are buzzing about the longest contact they made last night, over 5,062 miles on 10 watts wire to wire, can't do that with a cell phone. As they

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**(continued from page 3, Apply Ham Radio)**

reach the midpoint of the hike, they arrive at a clearing and break out their satellite Yagis and get set up for their Fun Cube Satellite pass and later in the afternoon, hopefully, the ISS (International Space Station) contact.

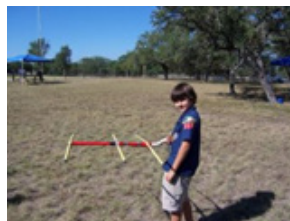
As the Scouts return home many are thinking about the upcoming QRP rig building class and the tour of the County Emergency Operations Center. Some are working on their Arduino and Raspberry Pi projects as part of their Programming and Robotics Merit Badges. They have discovered there are so many Merit Badges and Scout activities that have a connection to Amateur Radio, that it is hard to believe.



This may sound like a pipe dream but this could be a typical outing for your Scouts combining Scouting and Amateur Radio. Exploring all the Merit Badges that will be easier to complete with their new knowledge. Planning a high adventure canoeing trek for the fall with their radio gear with them. In fact they can plan every activity with Amateur Radio as an integral part of the event. Scouting leaders and parents will feel they run a safer and richer program for their Scouts. They also will know that they are building lifelong skills that will be used in future jobs and in service to their communities.

I can think of at least 14 Merit Badges that can be directly related to Amateur Radio (Aviation, Digital Technology, Electricity, Electronics, Emergency Preparedness, Energy, Engineering, Geocaching, Radio, Robotics, Search and Rescue, Signs, Signals and Codes, Space Exploration. Weather) and an additional 13 indirectly related (Astronomy, Backpacking, Climbing, Camping, Fire Safety, Kayaking, Lifesaving, Motorboating, Photography, Safety, Small-Boat Sailing, Whitewater, Wilderness Survival).

I believe our Scouts today represent our leaders of tomorrow. They will be our innovators, experimenters, entrepreneurs and explorers. Through



Radio Scouting we can help them develop the skills they need to meet the challenges of tomorrow. With greater exposure to Science, Technology, Engineering and Mathematics (STEM) their opportunities of success will be increased.

Today we all use radio technology in our cell phones, Bluetooth headsets, WiFi, and high-resolution pictures from Pluto 3 billion miles away by radio.

We as Amateurs are using some of the most basic and sophisticated equipment on the market. We build our own antennas, use digital signal processing, build satellites and have one of the largest frequency spectrums allocated to us for emergency support and experimentation. We have had a vital function providing communications at every national disaster this country has ever had.



With the availability of inexpensive dual band HTs, no code testing, and online practice testing websites, there are few hurdles to keep your Scouts from earning their licenses.

So join me in sharing your skills, knowledge and expertise and mentor our Scouts by starting or expanding the role of Amateur Radio in your Troop and Council. I challenge you to take on this important job and I guarantee you won't be disappointed and will have fun along the way.

I hope to hear about all your great successes and how you are making Radio Scouting part your next Scout activity.

Yours in Scouting  
Don Kunst

## Spring Camporee

### Boy Scouts Include Amateur Radio in Spring Camporee

<http://www.arrl.org/amateur-radio-and-scouting>

The Riverside District in South Brevard County, Florida, recently incorporated amateur radio as a part of its camporee. The event was attended by 100 Boy Scouts from eight different troops. At these events scouts compete in various skills like map and compass, fire building, cooking, etc. This year Troop 314 from West Melbourne, the host troop, decided to include Amateur Radio as one of the events.

As a part of the camporee competition, scouts compete in patrols normally consisting of about five members. At the amateur radio event, scouts received points for listening to an overview of Amateur Radio and actually talking on the air. Jan Heise, K4QD, organized the event with the help of his grandson Aaron Ludwig, KJ4UQS, and members of the Platinum Coast Amateur Radio Society (PCARS). Both Jan and Aaron are members of T-314. Jan obtained special event station callsign K4R (for Riverside District). They set up an HF station capable of contacting amateurs (often called HAMS) around the world, and a VHF station used for local area contacts.

PCARS members John Gerstner, K4LRP, and Marty Grove, KJ4LQX, came to the camporee and performed most of the HF operating while Aaron did the majority of the VHF operating and provided the Amateur Radio overview. As a special treat, Chuck Green, AD4ES, flew his four passenger plane overhead while Eric Smitt, K9ES, operated both HF and VHF talking to scouts at the special event station.

Scouts at the camporee were very interested in the Amateur Radio station, and almost all of them wanted to talk on the radio. The group used primarily 20 meters on HF, and on VHF they used the PCARS 146.85 wide area repeater. It was great to hear scouts say, "Wow, I just talked to Germany." or "Hey, that guy is in Canada." Everyone agreed that the special event station was a success.





## Thinking Day” Activity Gets Girl Scouts Thinking About Ham Radio

<http://www.arrl.org/news/thinking-day-activity-gets-girl-scouts-thinking-about-ham-radio>

04/13/2015

When Girl Scout leader Jill Galus, KB1SWV, was planning a “Thinking Day” activity last fall, she learned about Thinking Day On The Air (TDOTA). The World Association of Girl Scouts and Girl Guides designates February 22 as Thinking Day — to commemorate the birth of both Scouting founder Lord Robert Baden-Powell and his wife Olave, the first Chief Guide. On Thinking Day Girl Scouts and Guides to reflect upon the international nature of their movement. Akin to the Boy Scouts Jamboree On The Air (JOTA), Thinking Day on the Air is a global activity aimed at encouraging Girl Scouts and Guides to make friends via Amateur Radio. Both events were conceived by Les Mitchell, G3BHK (SK). Galus asked her dad, Skip Youngberg, K1NKR, if he and the Nashoba Valley Amateur Radio Club he belongs to would be willing to support a TDOTA station this year for her troop in Raymond, New Hampshire.

The Nashoba Valley Amateur Radio Club (NVARC) supported Galus — “and had a lot of fun doing it,” Youngberg told ARRL. The club agreed to let the girls use the club’s N1NC call sign and its tower trailer, while Youngberg offered equipment.

“By the time Thinking Day arrived on February 21, five local other troops had joined hers for the event,” Youngberg said. “[S]he soon found that she had the tiger by the tail.”

Stan Pozerski, KD1LE; Ralph Swick, KD1SM; Greg Cote, KB1WAQ, and his daughter Sarah, also a Girl Scout, and Youngberg traveled to New Hampshire and set up at a Masonic lodge. In addition to radios for HF and VHF, the NVARC team set up code practice oscillators for the girls to try. Eighty girls had signed up, split between morning and afternoon sessions, but because bad weather was forecast for later that day, all but 13 of them arrived in the morning.

“Needless to say, there was a lot of ‘audio QRM,’” Youngberg said. “Nevertheless, every activity succeeded in capturing the girls’ interest.”

The ham radio mentors demonstrated Morse code and taught the youngsters how to send their names on the code practice oscillators. Galus had maps and a globe on hand to teach world time concepts as well as a craft table to string beads to spell “GS” in Morse code, as a keepsake.

The girls did not succeed in making contact with other Girl Scouts or Girl Guide groups, but the hams were able to demonstrate how to get on the air, both on HF and VHF. Afterward, Youngberg and his daughter sent QSL cards to the stations they’d worked. “When the replies come back,” he said, “those budding scientists and potential new hobbyists will be reminded of a great experience and will have another thing to be excited about.”

More details and photos are available in the March edition of the NVARC Signalnewsletter. — Thanks to Skip Youngberg, K1NKR, and Jill Galus, KB1SWV

**The Girl Scout motto is "Be prepared." In the 1947 Girl Scout Handbook, the motto was explained this way: "A Girl Scout is ready to help out wherever she is needed. Willingness to serve is not enough; you must know how to do the job well, even in an emergency."**

### Boy Scout Oath or Promise

**On my honor, I will do my best**

**To do my duty to God and my country and to obey the Scout Law;**

**To help other people at all times;**

**To keep myself physically strong, mentally awake and morally straight.**

Bruce Draper, AA5B, aa5b.corral@gmail.com

# Contest Corral

# October 2019

Check for updates and a downloadable PDF version online at [www.arrl.org/contests](http://www.arrl.org/contests).

Refer to the contest websites for full rules, scoring information, operating periods or time limits, and log submission information.

Start - Finish Date-Time Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
1 0100 1 0300	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	<a href="http://arsqr.blogspot.com">arsqr.blogspot.com</a>
1 0800 7 2000	All	IQRP Quarterly Marathon	CW Ph Dig	RS(T)	<a href="http://arimontebelluna.it/contest.htm">arimontebelluna.it/contest.htm</a>
1 1900 1 2300	222	220 MHz Fall Sprint	CW Ph Dig	4-char grid square	<a href="http://svhfs.org">svhfs.org</a>
2 2000 2 2100	3.5	UKEICC 80-Meter Contest	Ph	4-char grid square	<a href="http://www.ukicc.com">www.ukicc.com</a>
3 0700 3 1000	3.5-7	German Telegraphy Contest	CW	RST, LDK (if DL)	<a href="http://agcw.org/index.php/en">agcw.org/index.php/en</a>
3 1700 3 2000	3.5	SARL 80-Meter QSO Party	Ph	RS, serial, grid locator or QTH	<a href="http://www.sarl.org.za">www.sarl.org.za</a>
3 1700 3 2100	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	<a href="http://nrau.net/activity-contests">nrau.net/activity-contests</a>
3 1900 3 2100	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or power	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
5 0600 6 1800	3.5-28	TRC DX Contest	CW Ph	RST, serial, "TRC" if member	<a href="http://www.trcdx.org/trcdx">www.trcdx.org/trcdx</a>
5 0800 6 0800	1.8-28	Oceania DX Contest, Phone	Ph	RS, serial	<a href="http://www.oceaniadxcontest.com">www.oceaniadxcontest.com</a>
5 1200 6 1159	1.8-28	Russian WW Digital Contest	Dig	RST(Q), 2-char oblast code or serial	<a href="http://rdclub.ru/rdr-news/russian-ww-digital-contest/51-rus-ww-digi-rules">rdclub.ru/rdr-news/russian-ww-digital-contest/51-rus-ww-digi-rules</a>
5 1400 7 0200	Any	YLRL DX/NA YL Contest	CW Ph Dig	Serial, RS(T), SPC	<a href="http://ylrl.org/wp/dx-na-yl-contest">ylrl.org/wp/dx-na-yl-contest</a>
5 1600 6 1100	3.5-7	International HELL-Contest	Dig	RST, serial	<a href="http://www.darc.de/der-club/referate/conteste/hell-contest/ausschreibung">www.darc.de/der-club/referate/conteste/hell-contest/ausschreibung</a>
5 1600 6 2200	1.8-28	California QSO Party	CW Ph	Serial, county or SPC	<a href="http://www.cqp.org">www.cqp.org</a>
5 1700 5 2100	3.5-28	FISTS Fall Slow Speed Sprint	CW	RST, SPC, name, mbr or power	<a href="http://fistsna.org">fistsna.org</a>
5 1800 6 1800	All	SKCC QSO Party	CW	RST, SPC, name, 4-char grid square	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
6 0500 6 2300	3.5-28	RSGB DX Contest	CW Ph	RS(T), serial	<a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>
6 0600 6 0900	3.5	UBA ON Contest, SSB	Ph	RS, serial, ON section (if ON)	<a href="http://uba.be/en/hf/contest-rules">uba.be/en/hf/contest-rules</a>
6 2200 6 2359	7-21	Peanut Power QRP Sprint	CW Ph	RS(T), SPC, peanut number or power	<a href="http://www.nogaqrp.org/PeanutPower">www.nogaqrp.org/PeanutPower</a>
9 0030 9 0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	<a href="http://naqcc.info">naqcc.info</a>
9 1900 9 2300	432	432 MHz Fall Sprint	CW Ph Dig	4-char grid square	<a href="http://svhfs.org">svhfs.org</a>
10 0001 10 2359	28	10-10 International 10-10 Day Sprint	CW Ph Dig	Name, mbr or "0," SPC	<a href="http://www.ten-ten.org">www.ten-ten.org</a>
12 0000 12 2359	1.8-28	QRP ARCI Fall QSO Party	CW	RST, SPC, mbr or power	<a href="http://qrparci.org/contests">qrparci.org/contests</a>
12 0000 13 1559	3.5-28	Makrothen RTTY Contest	Dig	4-char grid square	<a href="http://www.pl259.org/makrothen">www.pl259.org/makrothen</a>
12 0300 13 2100	1.8-UHF	Nevada QSO Party	CW Ph	RS(T), "NV" and county, or SPC	<a href="http://nvqso.com">nvqso.com</a>
12 0800 12 1400	902 and up	Microwave Fall Sprint	CW Ph Dig	6-char grid square	<a href="http://svhfs.org">svhfs.org</a>
12 0800 13 0800	1.8-28	Oceania DX Contest, CW	CW	RST, serial	<a href="http://www.oceaniadxcontest.com">www.oceaniadxcontest.com</a>
12 1200 13 1200	3.5-28	Scandinavian Activity Contest, SSB	Ph	RST, serial	<a href="http://sactest.net/blog/rules">sactest.net/blog/rules</a>
12 1200 13 2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
12 1600 13 2200	1.8-UHF	Pennsylvania QSO Party	CW Ph Dig	Serial, county or ARRL/RAC section	<a href="http://paqso.org">paqso.org</a>
12 1600 13 2359	1.8-144	Arizona QSO Party	CW Ph Dig	RS(T), county or SPC	<a href="http://www.azqsoparty.org">www.azqsoparty.org</a>
12 1700 12 2100	3.5-28	FISTS Fall Unlimited Sprint	CW	RST, SPC, name, mbr or power	<a href="http://www.fistsna.org">www.fistsna.org</a>
12 1800 13 1800	1.8-144	South Dakota QSO Party	CW Ph Dig	RS(T), county or SPC	<a href="http://www.sdqsoparty.com">www.sdqsoparty.com</a>
12 2000 13 2000	1.8	PODXS 070 Club 160-Meter Great Pumpkin Sprint	Dig	RST, SPC	<a href="http://www.podxs070.com">www.podxs070.com</a>
13 0530 13 0800	3.5	UBA ON Contest, CW	CW	RST, serial, ON section (if ON)	<a href="http://uba.be/en/hf/contest-rules">uba.be/en/hf/contest-rules</a>
13 0800 13 1000	50	UBA ON Contest, 6 Meters	CW Ph	RST, serial, ON section (if ON)	<a href="http://uba.be/en/hf/contest-rules">uba.be/en/hf/contest-rules</a>
14 0000 14 0200	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	<a href="http://www.4sqrp.com">www.4sqrp.com</a>
14 1900 14 2030	3.5	RSGB 80-Meter Autumn Series, CW	CW	Other station's call, your call, serial, name	<a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>
17 1900 17 2030	3.5	AGCW Semi-Automatic Key Evening	CW	RST, serial, 2-digit year first used a bug	<a href="http://agcw.org/index.php/en">agcw.org/index.php/en</a>
18 1600 18 2359	3.5-14	Zombie Shuffle	CW	RS(T), SPC, zombie number or area code, name	<a href="http://www.zianet.com/qrp">www.zianet.com/qrp</a>
19 0000 20 1600	50-144	Araucaria World Wide VHF Contest	CW Ph	RS(T), 6-char grid square	<a href="http://avhfc.com/rules/en.pdf">avhfc.com/rules/en.pdf</a>
19 0000 20 2359	50-1296	ARRL EME Contest	CW Ph Dig	Signal report	<a href="http://www.arrl.org/eme-contest">www.arrl.org/eme-contest</a>
19 0000 20 2359	3.5-28	JARTS WW RTTY Contest	Dig	RST, age of operator	<a href="http://jarts.jp/rules2019.html">jarts.jp/rules2019.html</a>
19 0001 20 2359	28	10-10 International Fall Contest, CW	CW	Name, mbr or "0," SPC	<a href="http://www.ten-ten.org">www.ten-ten.org</a>
19 1400 20 0200	All	New York QSO Party	CW Ph Dig	RS(T), county or SPC	<a href="http://www.nyqrp.org">www.nyqrp.org</a>
19 1500 20 1459	3.5-28	Worked All Germany Contest	CW Ph	RS(T), DOK (local area code) or serial	<a href="http://www.darc.de/der-club/referate/conteste/worked-all-germany-contest/en/rules">www.darc.de/der-club/referate/conteste/worked-all-germany-contest/en/rules</a>
19 1500 20 1500	1.8	Stew Perry Topband Challenge	CW	4-char grid square	<a href="http://www.kkn.net/stew">www.kkn.net/stew</a>
19 2000 19 2359	1.8-7, 21-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	<a href="http://sites.google.com/site/feldhellclub">sites.google.com/site/feldhellclub</a>
19 2130 19 2230	7	Argentina National 7 MHz Contest	Ph	RS, 2-digit year first licensed	<a href="http://lu4aa.org/wp/concurso-nacional-40m">lu4aa.org/wp/concurso-nacional-40m</a>
20 0000 20 0200	14-21	Asia-Pacific Fall Sprint, CW	CW	RST, serial	<a href="http://jsfc.org/apsprint/aprule.txt">jsfc.org/apsprint/aprule.txt</a>
20 0700 20 1000	144	UBA ON Contest, 2 Meters	CW Ph	RST, serial, ON section (if ON)	<a href="http://uba.be/en/hf/contest-rules">uba.be/en/hf/contest-rules</a>
20 1700 21 0100	1.8-144	Illinois QSO Party	Ph	RS(T), county or SPC	<a href="http://www.w9awe.org/ILQP.html">www.w9awe.org/ILQP.html</a>
20 1900 20 2030	3.5	RSGB RoLo CW	CW	RST, previous 6-char grid square received	<a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>
21 0100 21 0300	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	<a href="http://qrpcontest.com/pigrun">qrpcontest.com/pigrun</a>
21 1300 25 2359	All	ARRL School Club Roundup	CW Ph Dig	RS(T), class (I/C/S), SPC	<a href="http://www.arrl.org/school-club-roundup">www.arrl.org/school-club-roundup</a>
21 1800 22 0300	1.8-UHF	Telephone Pioneers QSO Party	CW Ph Dig	RS(T), chapter number (if any), name	<a href="http://www.tpqso.com">www.tpqso.com</a>
23 0000 23 0200	1.8-28	SKCC Sprint	CW	RST, SPC, name, mbr or power	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
23 1900 23 2030	3.5	RSGB 80-Meter Autumn Series, Data	Dig	Other station's call, your call, serial, name	<a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>
26 0000 27 2359	1.8-28	CQ Worldwide DX Contest, SSB	Ph	RS, CQ zone	<a href="http://www.cqwww.com">www.cqwww.com</a>
30 2000 30 2100	3.5	UKEICC 80-Meter Contest	CW	4-char grid square	<a href="http://www.ukicc.com">www.ukicc.com</a>
31 1900 31 2030	3.5	RSGB 80-Meter Autumn Series, SSB	Ph	Other station's call, your call, serial, name	<a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>

All dates refer to UTC and may be different from calendar dates in North America. Contests are not conducted on the 60-, 30-, 17-, or 12-meter bands. Mbr = Membership number. Serial = Sequential number of the contact. SPC = State, Province, DXCC Entity. XE = Mexican state. Listings in blue indicate contests sponsored by ARRL or NCJ. The latest time to make a valid contest QSO is the minute listed in the "Finish Time" column. *Data for Contest Corral is maintained on the WATBNM Contest Calendar at [www.contestcalendar.com](http://www.contestcalendar.com) and is extracted for publication in QST 2 months prior to the month of the contest. ARRL gratefully acknowledges the support of Bruce Horn, WATBNM, in providing this service.*



# What is JOTA?

[www.arrl.org](http://www.arrl.org) › [jamboree-on-the-air-jota](http://jamboree-on-the-air-jota)

When Scouts want to meet young people from another country, they usually think of attending a World Jamboree. But few people realize that each year more than a million Scouts and Guides "get together" over the airwaves for the annual Jamboree-on-the-Air (JOTA). During the 2014 event, worldwide Scouting participation included 1.1 million Boy Scouts and 200,000 Girl Guides/Girl Scouts, for a total participation of over 1.3 million--the largest Scouting event in the world.

Modern technology offers Scouts the exciting opportunity to make friends in other countries without leaving home. JOTA is an annual event in which Boy and Girl Scouts and Guides from all over the world speak to each other by means of Amateur (ham) Radio. Scouting experiences are exchanged and ideas are shared via radio waves. Since 1958 when the first Jamboree-on-the-Air was held, millions of Scouts have met each other through this event. Many contacts made during JOTA have resulted in pen pals and links between Scout troops that have lasted many years. With no restrictions on age or on the number of participants, and at little or no expense, JOTA allows Scouts to contact each other by ham radio. The radio stations are operated by licensed amateur radio operators. Many Scouts and leaders hold licenses and have their own stations, but the majority participate in JOTA through stations operated by local radio clubs and individual radio amateurs. Some operators use television or computer-linked communications.



## Program Schedule for 2019

David Richardson/W9KHZ, Chair, Program Committee  
Bluegrass ARS, Lexington, Kentucky

The following programs are scheduled for 2019. Your input and suggestions for programs for 2019 are needed. Call David Richardson, W9KHZ at 869-983-1380 or e-mail at [daveinlex3@gmail.com](mailto:daveinlex3@gmail.com).

Month	Topic	Presenter(s)	Comments
✓ January	"Winter Field Day" January 26-27, 2019	David Richardson/W9KHZ	
✓ February	CERT Program	Shelly Bendall LFUCG	
✓ March	SkyWarn National Weather Service, Louisville, KY	Joe Sullivan	
✓ April	Portable Go-Kit	David Richardson/W9KHZ	
✓ May	Antenna Theory and Design	Bill Fuqua/WA4LAV	
✓ June	"ARRL Field Day" June 22-23, 2019	David Richardson/W9KHZ	
✓ July	Lightening Protection	Jim Bacher	
✓ August	"Hamfest" August 10, 2019	David Richardson/W9KHZ	
✓ September	Annual Family Picnic	Bill DeVore	Shelter#4, Shillito Park, LEX
October	Discussion of By-Laws and SOP changes		
November	Report of Nominating Committee	Additional discussion on By-Laws and SOP	
December	"Annual Auction"/Election	Andrew Cook	

## Meeting Schedules for Area Clubs, Exam Sessions, etc.

Volunteer examinations are held in or near Lexington on a schedule that has tests in central Kentucky every month of the year. Schedules for area sessions, plus meetings, etc., are as follows:

The Bluegrass Amateur Radio Society, Inc. (Lexington) - (Fernie Williams/KE4MAI (ARRL - \$15.00) and Margie Williams/KE4MAJ(WCARS- \$10.00)), with Darrell/AC4YD in Winchester and Richmond (W5YI), John/K4FT in Danville (ARRL), and Ron/WX4GPS in Georgetown (ARRL - \$15.00), have a schedule to offer an exam monthly in Lexington/central Kentucky. (See schedules on page 10 of this newsletter). ARRL sponsored tests are held the second Saturday of the month, 10:00 AM in the Red Cross Building, Meeting Room "B", 1450 Newtown Pike, Lexington (except the August session is the Saturday of the second weekend of the month and is held at the site of the Central Kentucky ARRL Hamfest), and WCARS sponsored sessions are held the third Tuesday of the scheduled month, 7:00PM in Meeting Room "A" in the Red Cross Building, 1450 Newtown Pike, Lexington. Contact Margie/KE4MAJ at 859-489-6274 or email to ke4maj@arrl.net. Go to <<http://www.lexkywcars.org>> for information.

Winchester (W5YI VEC) - They are located in the Clark County EOC, 200 Maryland Avenue, Winchester, Kentucky. Their 2019 schedule (10:00AM): Saturday, January, 12, Saturday, April 13, Saturday, July 13, and Saturday, October 12. Contact Liaison Darrell Epperson/AC4YD, AC4YD@arrl.net, 859-771-1834

Danville (ARRL VEC) - Test sessions are fourth Saturday in January, April, July and October at 10:00 AM. Liaison John Wulf/K4FT, johnk4ft@gmail.com, 563-505-0339, Wilderness Road Amateur Radio Club, American Legion Post 46, 45 Spears Lane, Danville, KY 40422 - Repeater 145.310 (100 pl).

Georgetown (ARRL VEC) - Liaison Ron Malinowski/WX4GPS, wx4gps@arrl.net, 502-542-8252, Georgetown Police Dept, 550 Bourbon St., Georgetown (for dates see schedule on page 4 of this newsletter).

Radio Theory and Construction Workshop - Each Saturday 1:00-3:00 PM in the Bluegrass ARS Education Center, basement of the Red Cross Building, 1450 Newtown Pike, Lexington. Contact Bill Fuqua/WA4LAV at (859) 272-9523 or wa4lav@arrl.net.

Versailles/Woodford County - The Woodford County Amateur Radio Club meets the first Wednesday of each month at 7:00 PM in the Versailles Fire Station No. 2 on Big Sink Pike (38°3'34" N 84°43'11"W). Anyone interested in amateur radio is cordially invited. Also, visit their web site at <<http://www.ky4wc.org>>. You may contact Todd Rose/KE4YAH (atrose@windstream.net).

Fayette County ARES Net - Tuesday, 8:30 PM, 146.940 (-600 Tone 88.5) repeater.

Amateur Television and Specialized Communications Net

- An informal meeting is held every Sunday evening at 9:00 PM (local time)

on the 146.760 (-600 offset) repeater in Lexington.

Kentucky Six-Shooters Net - Wednesday evenings at 8:00 PM six meters FM on 52.525 MHz (vertically polarized). David Jordan/KI4AWZnet control; and, Daily Six-Meter FM Ragchew net 7:00-9:00 PM on 52.525MHz (vertically polarized). James Peel/KG4VAR net control.

KY-QRP - Temporarily canceled.

Scott County Amateur Radio and Emergency Service Club (SCARES) - Meetings are the third Saturday each month, 9:00 AM in the Solarium room at Georgetown Community Hospital, 1140 Lexington Road, Georgetown. Check in to their weekly simplex net Tuesdays at 7:00 PM on 146.685 (PL 141.3).

Central Kentucky ARS (Richmond-Berea) - Meet the Third Thursday each month in the Madison County EOC, Richmond, Kentucky, at 7:00 PM. Talk-in on 146.865 (-600, PL-192.8 Hz) and 145.370 (-600, PL-192.8 Hz) repeater for location, directions to meeting site, or other information.

Greater Mason County ARA meeting, 7:00 PM, second Tuesday each month, Maysville Community College Science Building.

Pioneer ARC (Winchester) - Fourth Tuesday each month, Golden Corral Restaurant, 7:00 PM (eat at 6:00), except March 26 meet at Christview Christian Church (SkyWarn). Talk-in/info on 145.430 (-600, T-203.5).

Jessamine Amateur Wireless Society (Nicholasville) - Meet Second Monday each month, 7:00 PM, St. Joseph/R.J. Corman Ambulatory Care Center, 1250 Keene Road (U.S. 27 Bypass south to intersection with 169; turn at the light.) Talk-in on the 145.490 (T-123.0).

The Jessamine County ARES Net - Tuesdays at 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.

The Madison County ARES Net, Monday at: 7:00 PM, 146.865 (pl 192.8). Everyone is invited to check in. . . Wilderness Trail Emergency Net, Wednesdays, 8:30 PM, 146.715 (pl 100.0). . . Glenn/KO4OL.

The Southeast Kentucky ARC - meet at the Laurel County EOC, 168 Substation St, London. Meetings on odd number months (Jan, Mar, etc.) are on the Second Tuesday at 6:00 PM; meetings on even number months (Feb, Apr, etc.) are the Second Saturday at 11:00 AM. Talk-in on 147.180 (PL-74.4) for directions tor other information. District 11 Skywarn Net meets Sundays at 8:00 PM on 146.925 (-PL- 79.7) and is linked to 147.180 (PL-74.4) and other repeaters in and close to the area. District 11 ARES Net meets Mondays at 9:00 PM on 146.925 (PL-79.7) and is linked to 147.180 (PL-74.4) and other repeaters in and close to the area.

Please send any changes or corrections to these notices to my attention, Bart Breeding/KB4FEE, in care of Bluegrass ARS, Inc., PO Box 4411, Lexington, KY 40544-4411, or e-mail to aratat291@twc.com.



## Schedule for Volunteer Examinations in 2019

Harry Spark/KN4S,\*  
Bluegrass Volunteer Examiners  
[kn4s@kn4s.com](mailto:kn4s@kn4s.com)

The exam schedule for 2019 follows nearly the same format as past years. The scheduling is for Lexington/Fayette County and the sessions in Danville, Georgetown, Winchester, and Richmond hamfest. The Bluegrass Amateur Radio Society-sponsored ARRL exams will continue to be held on the second Saturday of the second month of each quarter (except the August Session will be the date of the Central Kentucky ARRL Hamfest in Lexington), and the WCARS sessions remain as they were last year, Tuesday evenings quarterly.

### Test Session Locations

Lexington*	Winchester**	Danville	Georgetown
Red Cross Building	Clark County EOC	Amer Legion Post 46	Georgetown Police Dept
1450 Newtown Pike	200 Maryland Ave	45 Spears Lane	550 Bourbon Street
Lexington KY 40509	Winchester KY 40391	Danville KY 40422	Georgetown KY 40324

\* August, Bluegrass ARS Hamfest, Eastland Shopping Center, Lexington, Kentucky

\*\* September, Richmond Hamfest, Madison County Fairgrounds, Richmond, Kentucky

### Contact Information

ARRL VEC: Lexington and BARS ARRL Hamfest test sessions - Liaison [Fernie Williams/KE4MAI](mailto:FernieWilliams@ke4mai.net), [ke4mai@arrl.net](mailto:ke4mai@arrl.net), 859-652-3393

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

Danville - Liaison [John Wulf/K4FT](mailto:JohnWulf@k4ft.com), [johnk4ft@gmail.com](mailto:johnk4ft@gmail.com), 563-

505-0339, Wilderness Road ARC, <http://www.wrarc.com>

Georgetown - Liaison [Ron Malinowski/WX4GPS](mailto:RonMalinowski@wx4gps.net),

[wx4gps@arrl.net](mailto:wx4gps@arrl.net), 502-542-8252

WCARS VEC: Lexington - Liaison [Marguerite Williams/KE4MAJ](mailto:MargueriteWilliams@ke4maj.net),

[ke4maj@arrl.net](mailto:ke4maj@arrl.net), 859-489-6274 ([www.bluegrassars.org](http://www.bluegrassars.org))

W5YI VEC: Winchester - Liaison [Darrell Epperson/AC4YD](mailto:DarrellEpperson@ac4yd.net),

[AC4YD@arrl.net](mailto:AC4YD@arrl.net), 859-771-1834

TEST SESSION FEE: ARRL - \$15; WCARS - \$10; W5YI - \$14

10/05/2019 | 8th Annual  
Vette City Hamfest  
Location: Bowling Green, KY  
Type: ARRL Hamfest  
Sponsor: Kentucky Colonels  
Amateur Radio Club  
Website: <http://vettecity-hamfest.com>

10/18/2019 | Delta Division  
Convention (Hamfest Chattanooga 2019)  
Location: East Ridge, TN  
Type: ARRL Convention  
Sponsor: Chattanooga Amateur Radio Club  
Website: <http://www.hamfestchattanooga.net>

10/26/2019 | Hazard Hamfest  
Location: Hazard, KY  
Type: ARRL Hamfest  
Sponsor: Kentucky Mountains  
Amateur Radio Club, Inc.  
Website: <http://kymarc.org>

03/07/2020 | Cave City  
Hamfest  
Location: Cave City, KY  
Type: ARRL Hamfest  
Sponsor: Mammoth Cave  
Amateur Radio Club  
Website: <http://ky4x.org>

Date and Time	VEC	Location
October 12, 2019 10:00 am	Darrell Epperson (W5YI)	Winchester, KY
October 22, 2019 6:00 pm	K4TG Laurel VE Team	Lawrenceburg, KY
October 26, 2019 10:00 am	Wilderness Road (ARRL)	Danville, KY
November 9, 2019 10:00 am	Bluegrass Amateur Radio Society	Red Cross Building, Newtown Pike, Lexington, KY

**In politics as in philosophy, my tenets are few and simple. The leading one of which, and indeed that which embraces most others, is to be honest and just ourselves and to exact it from others, meddling as little as possible in their affairs where our own are not involved. If this maxim was generally adopted, wars would cease and our swords would soon be converted into reaping hooks and our harvests be more peaceful, abundant, and happy."**

**— George Washington**



**TREASURER'S REPORT**

Respectfully submitted by John Barnes/KS4GL, Treasurer

**BLUEGRASS AMATEUR RADIO SOCIETY, INC.****INCOME, EXPENSES, AND ACCOUNT BALANCES**

as of August 31, 2019

	Checking Account	PayPal Account	Savings Account	Total
<b>INCOME:</b>				
ARRL Dues	0.00	0.00	0.00	0.00
BARS Dues	0.00	0.00	0.00	0.00
Coax/Repeater	0.00	0.00	0.00	0.00
Donations	755.00	0.00	0.00	755.00
Education	142.86	0.00	0.00	142.86
Hamfest	3027.00	0.00	0.00	3027.00
Interest	2.51	0.00	0.04	2.55
Sales Tax	0.00	0.00	0.00	0.00
Miscellaneous	0.00	0.00	0.00	0.00
<b>Total</b>	<b>3927.37</b>	<b>0.00</b>	<b>0.04</b>	<b>3927.41</b>

<b>EXPENSES:</b>		
ARRL Dues	0.00	0.00
Coax/Repeaters	0.00	0.00
Donations	158.00	158.00
Education	404.73	404.73
Election	0.00	0.00
Equipment	0.00	0.00
Field Day	0.00	0.00
Hamfest	1773.08	1773.08
Insurance	0.00	0.00
Miscellaneous	0.00	0.00
Newsletter	0.00	0.00
Picnic	0.00	0.00
P O Box	0.00	0.00
Sales Tax	0.00	0.00
Telephone	0.00	0.00
<b>Total</b>	<b>2335.81</b>	<b>2335.81</b>

**ACCOUNT BALANCES**

	July 31, 2019	August 31, 2019
Checking Balance*	10396.88	11988.44
PayPal Balance	3636.32	3636.32
Savings Balance	201.14	201.18
<b>Total Balance</b>	<b>14234.34</b>	<b>15825.94</b>

**\* Fund-specific balances in Checking Account**

General	7752.65	9606.08
Coax/Repeater	804.98	804.98
Education	1839.25	1577.38
<b>Total Checking</b>	<b>10396.88</b>	<b>11988.44</b>

## Bluegrass Amateur Radio Society (BARS) Directors' Meeting Minutes of August 19, 2019 Red Cross Building, Lexington, Ky.

The August, 2019, Directors' Meeting was called to order at 7:29pm by President Andrew Cook, KF4OWP.

In attendance were:

1st Vice President – Bill Fuqua, WA4LAV.

2nd Vice President – David Richardson,

W9KHZ;

Treasurer – John Barnes, KS4GL;

Secretary – Bruce Campbell, KM4EHU;

Directors-at- Large – Mark Elliott, KN4HVX;

plus MARS Representative Harvey Frye, AA4HF, and also Bart Breeding, KB4FEE, Bill Weaver, WE5P, and Brad James, WA4HBM.

Treasurer's Report – John Barnes, KS4GL.

1. No Membership Applications were received since the July Directors' Meeting.

2. Summary Treasurer's Report as of July 31, 2019:

Checking account:

General fund: \$7,752.65

Coax/repeater: 804.98

Education: 1,839.25 \$10,396.88

PayPal account:

3,636.32

Savings account: 201.14

Total balance of accounts: \$14,234.34

Hearing no objections, the Treasurer's Report was accepted by general consensus.

Committee Reports.

Contest: Pete Kragh, K2UPD. (no report)

Education: Bill Fuqua, WA4LAV. Bart Breeding, KB4FEE, and David

Richardson, W9KHZ, began the Technician Class License study session with seven(7) students on Wednesday evenings at the Red Cross Building.

Emergency Preparedness: Sandy Gragg, KM4PJU. (no report)

Hamfest: David Richardson, W9KHZ. Two-hundred and sixteen paid attendees passed through the doors of the Hamfest. Net proceeds from admission tickets, door prize tickets, and table rentals, less expenses, totaled \$1,263.42. Sales of BARS surplus equipment in the silent auction totaled \$755.00.

Newsletter: Bart Breeding, WB4FEE. Nothing to report.

Program: David Richardson, W9KHZ. The October Program will be "Revised Bylaws".

Public Relations and Membership: Bart Breeding, KB4FE. Nothing to report.

Repeater: Andrew Cook, KF4OWP.

1. The antennas and coax transmission lines for the repeater at the WKYT-TV station were tested by Southern Communications and found to be in serviceable order.

2. Southern Communications will retune the duplexer cavities in the future.

3. One of the antenna mounting brackets on the TV tower is broken.

4. The Repeater Committee will consider the future disposition of the system at the WKYT-TV station due to its interoperability with other communications systems at this location, and also the high expected cost of maintaining its operation on the TV tower.

Shack: David Richardson, W9KHZ.

Antenna maintenance and replacements activities are continuing.

HF Liaison: David Richardson, W9KHZ. Nothing to report.

VHF Liaison: Tim Kunkel, KF4MPM. Nothing to report.

Volunteer Examinations: Fernie Williams, KE4MEI. (no report).

Historian: Bill DeVore, N4DIT. Nothing to report.

Library: John Barnes, KS4GL. Nothing to report.

MARS: Harvey Frye, AA4HF, and Barry Jackson, WB4N. The MARS station is operating successfully on its network.

Trustee: Andrew Cook, KF4OWP. Nothing to report.

Bylaws: Andrew Cook, KF4OWP. Secretary Bruce Campbell, KM4EHU,

1. Reported that the revisions to the Bylaws are being proof-read and will soon be ready to submit to the Directors' for preliminary approval before they are presented to a general membership vote for adoption. The Bylaws committee meeting is open to any interested BARS member.

(continued on page 13)

(continued from page 12, Director's meeting 08-19-19)

#### Old Business:

The disposition and disposal of the donated equipment was discussed.

#### New Business:

The September 9th Directors' Meeting is to be re-scheduled for Monday September, 23rd.

#### Upcoming BARS Schedule:

October 7th, 6:00pm - Bylaws Committee Meeting.

October 7th, 7:30pm - BARS General Meeting.

Program: Bylaws.

October 21st, 6:00pm - Bylaws Committee Meeting.

October 21st, 7:30pm - Directors' Meeting.

November 4th, 6:00pm - Bylaws Committee Meeting.

November 4th, 7:30pm - BARS General Meeting.

Program: Nominations for 2020 Officers.

November 18th, 6:00pm - Bylaws Committee Meeting.

November 18th, 7:30pm - Directors' Meeting.

December 2nd, 6:00pm - Bylaws Committee Meeting.

December 2nd, 7:30pm - BARS General Meeting.

Program: Elections of 2020 Officers. Members' Auction.

December 16th, 6:00pm - Bylaws Committee Meeting.

December 16th, 7:30pm - Directors' Meeting.

With no other business at 8:40pm, President Andrew Cook, KF4OWP, asked for a motion to adjourn the meeting which was so moved by John Barnes, KS4GL, seconded by Bruce Campbell, KM4EHU, and accepted unanimously.

Recorded and submitted by:

Bruce Campbell, KM4EHU Secretary

## Radio & Wireless Technology Patch Program

<https://ylrl.org/wp/girl-scouts/>

The American Radio Relay League (ARRL) has developed a special Radio and Wireless Technology Patch Program for Girl Scouts with assistance from members of Girl Scouts of the Green and White Mountains and Girls Scouts of Greater Atlanta (GSUSA).

The Radio and Wireless Technology Patch Program will inspire girls to learn fundamentals of radio communication and wireless technology and to take action in their communities to apply communications to connect people, provide safety, and explore related careers. Girl Scouts will have the opportunity to learn about Amateur Radio (also known as "ham" radio) and do hands-on activities with Amateur Radio.

~ Discover — Explore the natural world to learn about radio communications and wireless technologies.

~ Connect — Use knowledge of wireless technology to understand its capabilities and its limitations. Be an informed citizen who understands how wireless technologies are regulated and used.

~ Take Action — Make a difference in their communities by making friends through radio contacts, providing public service and emergency communications, and raising awareness of career opportunities.

This program is designed for adult facilitators' use with Girl Scouts at the Brownie, Junior, Cadette, Senior, and Ambassador levels.

We encourage Girl Scout leaders to reach out to local Amateur Radio clubs in their communities for assistance with the activities associated with this patch program. The Amateur Radio community includes many individuals who have interests and careers in technology, and who, because of their interest in radio, will also have basic – and sometimes, very advanced – knowledge of electronics and other technology topics you might explore with your troop.

Adults should consult with Volunteer Essentials, Safety Activity Checkpoints, and Risk Management at Girl Scout Councils to ensure Girl Scout safety guidelines are followed when working with girls. For more information please click [Radio\\_and\\_Wireless\\_Technology\\_Patch\\_Program-1\\_30\\_17](#) for the PDF.

For supplies required please click [Girl Scout Patch Class Supplies](#) for the supply list

I want to thank Michelle, W5MQC for all her help with this information.



QUA/HAMnews is published monthly by the Newsletter Committee of the Bluegrass

Amateur Radio Society, Inc., and is distributed by e-mail only.

Letters to the editor, technical articles, items of interest to the Ham community and guest editorials are invited and will be published at the discretion of the editor. Items for sale by members of the Society will be advertised without charge for one issue, and may be resubmitted as often as desired. These ads must be non-commercial in nature.

Articles published in QUA/HAMnews do not necessarily represent the views of the Officers, Board of Directors, editor, or Society membership, nor does publication thereof represent concurrence by the Officers, Board of Directors, editor, or Society membership of the contents of the article. No article will be published unless it is accompanied by the name(s) of the person(s) submitting the material.

Bart Breeding/KB4FEE, 3101 Symons Cir., Lexington, Kentucky 40511 (859) 644-2216 aratat291@twc.com

Standing Committee Chairs:

Contest ..... Pete Kragh/K2UPD (859) 223-9389 (k2upd@aol.com)  
Education ..... Bill Fuqua/WA4LAV (859) 272-9523 (wlfuqu00@uky.edu)  
Emergency Preparedness (Liaison Bluegrass ARS with LFUCG DEM)  
..... Sandy Gragg/KM4PJU (859) 699-9934 (sandygragg@gmail.com)  
Hamfest ..... David Richardson/W9KHZ (859) 983-1380 (daveinlex3@gmail.com)  
Newsletter ..... Bart Breeding/KB4FEE (859) 644-2216 (aratat291@twc.com)  
Program ..... David Richardson/W9KHZ (859) 983-1380 (daveinlex3@gmail.com)  
Public Relations and Membership .. Bart Breeding/KB4FEE (859) 644-2216 (aratat291@twc.com)  
Repeater ..... Andrew Cook/KF4OWP (859) 396-9930 (kf4owp@gmail.com)  
Shack ..... David Richardson/W9KHZ (859) 983-1380 (daveinlex3@gmail.com)  
Volunteer Examinations ..... Fernie Williams/KE4MAI (859) 652-3393 (ke4mai@arri.net)  
Trustees, Ex Officio Committee Chairs, and Contacts for Special Activities:  
Historian ..... Bill DeVore/N4DIT (859) 273-8345 (billdit@twc.com)  
KY-QRP Group ..... Roger Colvin/KJ4YSY (859) 494-6268 (KJ4YSY@GMAIL.COM)  
Library ..... John Barnes/KS4GL (859) 253-1178 (jrbarnes@iglou.com)  
Shack/Repeater Trustee ..... Andrew Cook/KF4OWP (kf4owp@gmail.com)  
HF Liaison to Shack Committee ..... David Richardson/W9KHZ  
VHF Liaison to Shack Committee ... Tim Kunkle/KF4MPM

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Secretary:

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Directors-at-Large:

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426 Blueberry Lane  
Lexington, Kentucky 40503  
859/279-6307, and  
Mark Elliott/KN4HVX  
3852 Scarlet Oak Ln  
Lexington, KY 40514  
859/338-9792  
mellio72@yahoo.com

Annual Dues (January 1 - December 31)

Payable using Pay Pal - Go to <<http://www.BluegrassARS.org>>, Click on

"Membership," click on the option for your preference as below:

Regular Membership: One year - \$20.00; two years - \$38.00; three years - \$55.00 (Additional family member(s) at the same address \$1.00 each per year)  
Associate Membership - \$15.00 (for those who reside farther than 50 miles from Lexington)

Full-Time Student Membership - \$12.00 (for those 21 and under, and no other Club member in the family)

Shack telephone: (859) 231-0974 web page: <http://www.BluegrassARS.org/>

## Calendar of Ham Radio Activities for October 2019

- Tue 1 Amateur Swap Net 145.370 (T-192.8) , 8:00 PM; Fayette County ARES Net 8:30 pm It is on the LEX 94 machine ,146.940 MHZ, A NEGATIVE OFFSET, AND A PL TONE OF 88.5.; "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz.
- Wed 2 Wilderness Trail Emer Net, 8:30 pm, freq. 146.715, PL 100 ; Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);
- Thu 3 Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; District 9 ARES Net 7:15 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in the area; Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.
- Sat 5 Shack open 9:00-Noon; Radio Theory and Construction Workshop, 1:00-3:00 PM,
- Sun 6 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); District 9 Skywarn Net, 8:00 PM, 146.925 (PL-79.7 Hz) linked to 147.180 (PL-74.4 Hz), other repeaters in the area.
- Mon 7 District 9 ARES Net 9:00 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in the area.
- Tue 8 Amateur Swap Net 145.370 (T-192.8) 8:00 PM; Fayette County ARES Net 8:30 pm It is on the LEX 94 machine ,146.940 MHZ, A NEGATIVE OFFSET, AND A PL TONE OF 88.5. , "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz;
- Wed 9 Wilderness Trail Emer Net, 8:30 pm, freq. 146.715, PL 100 ; Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);
- Thu 10 Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; District 9 ARES Net 7:15 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in the area. Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control. PARC (Clark Co.) 8:45 pm 145.43, P/L 203.5
- Sat 12 Shack open 9:00-Noon; Radio Theory and Construction Workshop, 1:00-3:00 PM,
- Sun 13 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); District 9 Skywarn Net, 8:00 PM, 146.925, PL-79.7 Hz) linked to 147.180 (PL-74.4 Hz) linked to 147.180 (PL-74.4) and other repeaters in the area
- Mon 14 District 9 ARES Net 9:00 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in the area. Jessamine Amateur Wireless Society meeting, 7:00 PM, St. Joseph/R.J. Corman
- Tue 15 Amateur Swap Net 145.370 (T-192.8) 8:00 PM; Fayette County ARES Net 8:30 pm It is on the LEX 94 machine ,146.940 MHZ, A NEGATIVE OFFSET, AND A PL TONE OF 88.5. , "Casual Communicators Net," PM Eastern, 443.325+ MHz;
- Wed 16 Wilderness Trail Emer Net, 8:30 pm, freq. 146.715, PL 100 ; Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);
- Thu 17 Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; District 9 ARES Net 7:15 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in the area. Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control. PARC (Clark Co.) 8:45 pm 145.43, P/L 203.5
- SAT 19 Shack open 9:00-Noon; Radio Theory and Construction Workshop, 1:00-3:00 PM,
- SUN 20 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); District 9 Skywarn Net, 8:00 PM, 146.925 (PL-79.7 Hz) linked to 147.180 (PL-74.4 Hz), other repeaters in the area.
- Mon 21 Bylaws Committee Meeting, 6:00 pm ; Directors' Meeting: 7:30 pm; Jessamine Amateur Wireless Society meeting, 7:00 PM, St. Joseph/R.J. Corman  
Ambulatory Care Center, 1250 Keene Road., Nicholasville;
- Tue 22 Amateur Swap Net 145.370 (T-192.8) 8:00 PM; Fayette County ARES Net 8:30 pm It is on the LEX 94 machine ,146.940 MHZ, A NEGATIVE OFFSET, AND A PL TONE OF 88.5. "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz;
- Wed 23 Wilderness Trail Emer Net, 8:30 pm, freq. 146.715, PL 100 ; Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);
- Thu 24 Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; District 9 ARES Net 7:15 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in the area. Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control. PARC (Clark Co.) 8:45 pm 145.43, P/L 203.5
- Sat 26 Shack open 9:00-Noon; Radio Theory & Construction Workshop, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike;
- Sun 27 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); District 9 Skywarn Net, 8:00 PM, 146.925 (PL-79.7 Hz) linked to 147.180 (PL-74.4 Hz), other repeaters in the area.
- Mon 28 District 9 ARES Net 9:00 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in the area.
- Tues 29 Amateur Swap Net 145.370 (T-192.8) 8:00 PM; Fayette County ARES Net 8:30 pm It is on the LEX 94 machine ,146.940 MHZ, A NEGATIVE OFFSET, AND A PL TONE OF 88.5. , "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz
- Wed 30 Wilderness Trail Emer Net, 8:30 pm, freq. 146.715, PL 100 ; Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);
- Thur 31 Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; District 9 ARES Net 7:15 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in the area. Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control. PARC (Clark Co.) 8:45 pm 145.43, P/L 203.5