



ARRL Standard



Pray for our Troops



God Bless America!

# QUA/HAMnews

January 2020

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### HAPPY NEW YEARS



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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; in Subject line type Subscribe plus <your call sign>

Post notes to the Club List Serv:<bars@lsv.uky.edu>.

The January program will be a discussion about Winter Field day. The discussion will be led by David Richardson.



Below you will find the Club's Ebay account for the sale of the surplus equipment. Copy the URL into your browser and take a look at the items we have up for auction.

<https://www.ebay.com/sch/bluegrassars/m.html>

QUA/HAMnews

January 2020

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, January 6, 2020, at 7:30 PM, in Meeting Room B, second floor of the Red Cross Building, 1450 Newtown Pike, Lexington. A Director's Meeting will be held at 7:30 pm on January 20, 2020.

The program for January will be about Winter Field Day. Winter Field Day is January 25-26, 2020.

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

**NEW MEMBERS**

- Calvin Smith/WX1ATC
- Kenneth Johnson/KN4ZIE
- David Keown/KN4ZIF
- Suzanne Meyer/KN4ZIG

DUES FOR 2020 ARE NOW DUE. PLEASE SEE JOHN BARNES ALSO UPDATE YOU MAIL, EMAIL AND PHONE NUMBER.



<https://www.winterfieldday.com/>



us for our yearly event. We are sure you will find this event a pleasant change and challenge to that of a normal summer time field day.

## I Got My License, Now What?

It seems that when people are studying for their ham radio Technician license exam, they understandably get very focused on learning the material and passing the FCC exam. Suddenly, the Volunteer Examiner tells them “you passed” and the thrill of success bursts forth!

This is sometimes followed by the question: I got my license, now what?

The most general answer to this question is “find something you are interested in doing and do it.”

For many new hams, this is easy— they just need to think about what got them interested in ham radio and follow that path. But other folks have this basic idea that they “want to do ham radio” but may not be sure how to actually get started.

This article is to give you some ideas on what to do, assuming you have a Tech license and some basic 2m or 70 cm radio equipment.



## Portable operating at Field Day as part of an ARES group

If you haven’t already connected up with some local radio hams, give that a try. Having someone to talk to about various ham radio activities can really help. If you have a radio club in the area, be sure to connect up with them and attend a meeting. (See the ARRL listing of ham radio clubs.)

Here are some ideas for radio activity to help get you started (in no particular order):

### Public Service

Often people get interested in amateur radio to provide a service to the community. There are many opportunities to get involved in helping out with events such as walkathons, marathons, bike races, etc. Communications support may be provided by a

(continued on page 3)

## Winter Field Day Association

Winter Field Day Association (WFDA) is a dedicated group of Amateur Radio Operators who believe that emergency communications in a winter environment is just as important as the preparations and practice that is done each summer but with some additional unique operational concerns.

We believe as do those entities of ARRL Organizations like ARES & RACES that maintaining your operational skills should not be limited to fair weather scenarios. The addition of Winter Field Day will enhance those already important skills of those that who generously volunteer their time and equipment to these organizations. This is why WFD is open to all licensed amateur radio operators worldwide.

Disasters are unpredictable by nature and can strike when you least expect them. WFDA’s goal is to help enhance your skills and ready you for all environmental conditions found in the US and Canada during the spring, summer, fall and winter Preparedness is the key to a professional and timely response during any event and this is what local and state authorities are expecting when they reach out to the emergency service groups that offer their services.

If you are serious about emergency communications as we are; we welcome you to join us for our yearly event. We are sure you will find this event a pleasant change and challenge to that of a normal

(continued from page 2, I Got My)

a ham radio club or, more likely, the local Amateur Radio Emergency Service (ARES) group. The Radio Amateur Civil Emergency Service (RACES) is another public service organization, normally associated with a governmental agency such as the county sheriffs department. Sometimes ARES and RACES are combined into one group. The ARRL has a web page that compares the two organizations.

Most ARES and RACES groups have some kind of "registration database" for you to sign up. However, it usually works best to reach out and find the local hams that are in charge of these groups and let them know you are interested. Find out when they hold their meetings and on-the-air nets and join in. Make yourself visible and available.

### Emergency Communications



Often I hear new hams say they are interested in emergency communications or as the ARRL says When All Else Fails. They've heard about or experienced landline and mobile phones getting overloaded during blizzards, hurricanes and wildfires and want to have alternative communications. The prepper community refers to this as SHTF.

Being prepared for emergencies boils down to two basic questions: 1) what are the conditions that you are preparing for? 2) who do you want to communicate with? Most likely, you need to be ready for a power outage of some duration, which implies the use of battery backup or a gasoline generator to power your radio equipment. Who you want to communicate with varies from just your immediate family over short distances to being able to contact other hams much further away. Thinking through the answers to these two questions will get you started on creating the desired communication capability.

### Find A VHF/UHF Repeater

Another way to connect with the local amateur radio community is via VHF/UHF repeaters. These things are the utility mode for communicating



locally. Take a look at How to Choose a Repeater for some tips on finding a repeater that works for you. Introduction to VHF/UHF Repeaters provides an excellent overview of how repeaters work.

### Develop Your Home Station

Many hams start out with a VHF/UHF handheld transceiver (HT), which gets them on the air quickly. This really is a ham shack in your hand, which is useful for many activities. By itself, the HT has limited range, so many hams are interested in extending its range. One thing you can do is attached an external antenna to the HT to give it greater radio coverage (see Considering a VHF/UHF Antenna for Your Home?). This will increase your simplex range and allow you to hit more distant repeaters. Another thing to consider is establishing a VHF/UHF home base station (see A VHF FM Station at Home), which provides more output power to increase coverage.

### Single Sideband on VHF

While the majority of VHF operating is using FM, there is a whole 'nuther world out there in the weak-signal operating modes. We call this "weak signal" since we are often pulling signals out of the noise to make a contact. Signal Sideband (SSB) is the preferred voice mode when signals are weak since FM performs poorly when the signal level drops. You'll also find quite a bit of Morse Code CW (Continuous Wave) communication used since it is even better than SSB when the signals are weak. To play with SSB, you need an all-mode transceiver that operates on VHF such as the Yaesu FT-857D or FT-817ND. You'll also need to get a suitable antenna, one that is horizontally polarized and probably a yagi antenna with gain. See Getting Started on 2-Meter SSB.

The 6m band is known as The Magic Band because it can suddenly come alive with signals bouncing off sporadic-e clouds in the ionosphere. On most days, 6 meters acts like any other VHF band with mostly local propagation. But when the sporadic-e hits (very common in the summer months), you can talk across North America.

(continued on page4)

**(continued from page 3, I Got My)**

When the normal sunspot cycle is strong, we can also get F2 propagation, which allows contacts to be made into Europe, South America and Asia.

**Space Contacts**

Another great use of the 2m and 70 cm bands is to contact outer space. The International Space Station (ISS) has a ham radio station on board and most of the astronauts have their amateur radio license (see ARISS). The primary use of this station is for contacts with schools as part of NASA education outreach mission. However, the astronauts sometimes decide to make contacts on their own time. It really depends on the interests of the astronaut and a few of them have really gotten into making random ham radio contacts. Also, very often there is a packet radio station transmitting from the ISS such that you can "digipeat" through the station to contact other hams on earth. It is even a fun exercise to see if you can successfully track the ISS and then hear the packet station transmitting. The ISS is in low earth orbit (LEO), so it is usually overhead for only 10 minutes or so, depending on the pass.



Bob operating OSCAR as PJ4/KØNR on the island of Bonaire

Another type of space operation is using OSCAR (Orbiting Satellite Carrying Amateur Radio) satellites, which are basically repeaters in the sky. These satellites are also in LEO so you repeat through them to contact other hams while you both have the satellite within range. Some of these satellites use FM, so you can work through them using just a dualband (2m/70cm) HT and a small yagi antenna. It does take a bit of study and practice to track the satellites, figure out the right

frequency, point the antenna and adjust for doppler shift. But that is what makes it a fun learning experience and radio challenge. See the AMSAT web site for more information.

**Summits On The Air**

The Summits On The Air (SOTA) program is a great combination of hiking and portable ham radio operating. The basic idea of SOTA is to operate from a designated list of summits or to work other radio operators when they activate the summits. The designated summits are assigned scoring points based on elevation with scoring systems for both activators (radio operators on a summit) and chasers (radio operators working someone on a summit



Bob KØNR operates 2m FM using an HT and small Yagi antenna from Aspen Ridge in Colorado

A basic VHF SOTA station is a handheld FM transceiver with a 1/2-wave telescoping antenna. The standard rubber duck on a handheld transceiver (HT) is generally a poor radiator so using a 1/2-wave antenna is a huge improvement. Just stuff the HT and antenna in a backpack along with the usual hiking essentials and head for the summit. See How To Do a VHF SOTA Activation.

**Packet Radio and APRS**

Some new hams are interested in digital communications via amateur radio. This is a great way to blend computer technology and radio communications. There are many ways to do this but packet radio is one of the most common on the VHF/UHF bands. Simply put, packet radio uses relatively slow speed modem tones (1200 or 9600 baud) fed into an FM transceiver using a

(continued on page 5)

**(continued from page 4, I Got MY)**

Terminal Node Controller (TNC). The transmissions are in “packet form” using the AX.25 protocol, which is handled by the TNC. Think of it as “SMS text messaging before there was text messaging.” One of the most common usages of AX.25 packet is the Automatic Packet Reporting System (APRS). APRS is quite versatile but the most common use is position reporting, with a robust set of internet-based mapping tools to plot the position of a particular ham radio stations. For example, the figure to the right shows the track of Steve WG0AT as he ascended a SOTA mountaintop in Colorado.

**Work the High Frequency Bands**

I’ve mostly given examples of VHF/UHF operating, but a Technician license does give you some useful operating privileges on the High Frequency (HF) bands. In particular, Techs have voice privileges on 10 meters (28.3 to 28.5 MHz). When the sunspots are active, 10m is an awesome worldwide DX band. You literally can talk around the world. To do this, you’ll need a transceiver capable of SSB on the 10m band and a suitable antenna. The antenna does not have to be exotic — a simple dipole or 1/4-wave vertical can do well.

If you get hooked on the fun of HF DX, then you’ll want to start working on your General Class License. But that is a topic for another day.

73, Bob KØNR

<https://hamradioschool.com/i-got-my-license-now-what/>

**Bluegrass Amateur Radio Society (BARS) Directors’ Meeting Report of December 16, 2019**

Red Cross Building, Lexington, Ky.

Attached is a summary report of topics discussed at the Directors’ Meeting on December 16, 2019.

A quorum was not present to conduct BARS business.

Please let me know if there are any additions or corrections. The file can be edited and or re-formatted as needed for inclusion in the Newsletter.

**NOTE: A SPECIAL DIRECTORS’ MEETING WILL BE HELD AT 7:00PM ON JANUARY 6, 2020, BEFORE THE REGULAR SCHEDULES OPEN GENERAL MEEETING.**

73.  
-Bruce, KM4EHU.

**The December, 2019, Directors’ Meeting was not convened due to lack of quorum at 7:36pm.**

**In attendance were:**

**1st Vice President (and Director-at-Large-elect) Bill Fuqua,**

**WA4LAV;**

**2nd Vice President – David Richardson, W9KHZ;**

**Treasurer – John Barnes, KS4GL;**

**Secretary – Bruce Campbell, KM4EHU.**

**In addition, President-elect Brad James, WA4HBM, Jodie Wells, WB4LKQ, and Sandy Gragg, KM4PJU, plus MARS Representative Harvey Frye AA4HF were present.**

**Treasurer’s Report – John Barnes, KS4GL.**

**1. One new membership applications was received in December.**

**2. Bank account statements for the month ending November 30, 2019, indicate:**

**Checking account:**

<b>General fund:</b>	<b>\$8,408.73</b>	
<b>Coax/repeater:</b>	<b>804.98</b>	
<b>Education:</b>	<b>1,601.19</b>	<b>\$10,814.90</b>

<b>PayPal account:</b>	<b>6,264.82</b>	
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<b>Savings account:</b>	<b>201.30</b>	
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<b>Total balance of accounts:</b>	<b>\$17,281.02</b>
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Secretary Bruce Campbell, KM4EHU, reported that eighty-eight(88) 2020 Bylaws Ballots were mailed on Saturday, December 14th, to seventy-seven(77) addresses of BARS members whose paid dues were current through calendar-year 2019.

The status of the donated equipment was discussed. The records of the hamfest

**(continued on page 9)**

**Bluegrass Amateur Radio Society (BARS)      General Meeting Agenda      January 6, 2020**

- I. Call meeting to order.
- II. Recognition:
  - a. Welcome and self-introduction of members and visitors.
  - b. New licensees.
- III. Trivia Question: Terry Layman, N6OKR.
- IV. Program Presentation:
  1. Revised Bylaws Ballot Count.
  2. Winter Field Day. David Richardson, W9KHZ.
  3. Donated equipment status, audit and report on sales, Bill Fuqua, WA4LAV, and John Barnes, KS4GL.
  4. Standard Operating Procedures. Bruce Campbell, KM4EHU.
- V. Members' news (time permitting).
  - License upgrades.
  - Birthdays this month.
  - Sick-call.
  - Expeditions and travels.
  - New equipment, and used equipment for sale or trade.
  - Moves and relocations.
  - ARRL and other clubs' news.
- VI. Treasurer's report – John Barnes, KS4GL:
  1. New membership applications: Chris Gay, KU4A.
  2. Financial.
- VII. Old Business.
  - a. Open discussion.
- VIII. New Business:
  - a. Revised Bylaws Ballot Count Ratification.
  - b. Open Discussion.
- IX. Committee chair comments and announcements: (time permitting)
  - Contest – Pete Kragh, K2UPD.
  - Education – Bill Fuqua, WA4LAV.
  - Emergency Preparedness – Sandy Gragg, KM4PJU.

(continued on page 7)

**(continued from page 6, General Meeting agenda)****Hamfest - David Richardson, W9KHZ.****Newsletter - Bart Breeding, WB4FEE.****Program - David Richardson, W9KHZ.****Public Relations and Membership - Bart Breeding, WB4FEE.****Repeater - Andrew Cook, KF4OWP.****Shack - David Richardson, W9KHZ.****Volunteer Examinations - Fernie Williams, KE4MAI.****Historian - Bill DeVore, N4DIT.****Library - John Barnes, KS4GL.****MARS - Harvey Frye, AA4HF; Barry Jackson, W4BN.****Trustee: David Richardson, W9KHZ.****Bylaws - Andrew Cook, KF4OWP.****X. Special Interest Groups and Service Groups comments and announcements: (time permitting)****XI. Trivia Question Results.****XII. Next BARS Meeting Schedules (at Red Cross Building, Newtown Pike, Lexington, Ky.):****January 6th, 7:00pm - Special Directors' Meeting****January 6th, 7:30pm - BARS General Meeting . Program: Winter Field Day.****January 20th, 7:30pm - Directors' Meeting.****January 25th-26th - Winter Field Day.****February 3rd, 7:30pm - BARS General Meeting . Program: (to be announced).****February 17th, 7:30-pm - Directors' Meeting.****XIII. President's comments and announcements.****1. Suggestions for upcoming program presentations.****2. Members' interests in committees and activities.****XIV. Motion for adjournment.****Director's Meeting 12-16-19****Attached is a summary report of topics discussed at the Directors' Meeting on December 16, 2019.****A quorum was not present to conduct BARS business.****Please let me know if there are any additions or corrections.****The file can be edited and or re-formatted as needed for inclusion in the Newsletter.****NOTE: A SPECIAL DIRECTORS' MEETING WILL BE HELD AT 7:00PM ON JANUARY 6, 2020, BEFORE THE REGULAR SCHEDULES OPEN GENERAL MEETING.****73.****-Bruce, KM4EHU****(continued on page 8)**



**(continued from page 7, Director's Meeting 12-16-19)**

**Bluegrass Amateur Radio Society (BARS)  
Directors' Meeting Report of December 16, 2019  
Red Cross Building, Lexington, Ky.**

The December, 2019, Directors' Meeting was not convened due to lack of quorum at 7:36pm.

In attendance were:

1st Vice President (and Director-at-Large-elect) Bill Fuqua, WA4LAV;

2nd Vice President - David Richardson, W9KHZ;

Treasurer - John Barnes, KS4GL;

Secretary - Bruce Campbell, KM4EHU.

In addition, President-elect Brad James, WA4HBM, Jodie Wells, WB4LKQ, Bart Breeding, KB4FEE, and Sandy Gragg, KM4PJU, plus MARS Representative Harvey Frye AA4HF were present.

Treasurer's Report - John Barnes, KS4GL.

1. One new membership applications was received in December.
2. Bank account statements for the month ending November 30, 2019, indicate:

Checking account:

General fund:	\$8,408.73	
Coax/repeater:	804.98	
Education:	1,601.19	\$10,814.90
PayPal account:	6,264.82	
Savings account:	201.30	
Total balance of accounts:		\$17,281.02

Secretary Bruce Campbell, KM4EHU, reported that eighty-eight(88) 2020 Bylaws Ballots were mailed on Saturday, December 14th, to seventy-seven(77) addresses of BARS members whose paid dues were current through calendar-year 2019.

The status of the donated equipment was discussed. The records of the hamfest auctions and E-bay sales of donated equipment were reviewed in December by David Richardson, W9KHZ, Sandy Gragg, KM4PJU, Bill Fuqua, WA4LAV, and John Barnes, KS4GL. To date, the total of all expenses associated with the donated equipment amounted to \$7,009.01, and \$8,645.60 was received from sales of the donated equipment, resulting in a net profit of \$1,636.59 to the Club. The financial records associated with disposition of the donated equipment were accurately reconciled.

The officers present agreed that a running monthly report of donated equipment sales should be provided at the meetings.

The officers present decided to call for a Special Open Directors' Meeting on Monday, January 6, 2020, at 7:00pm before the regular scheduled Open General Meeting to:

1. Formally accept the December Treasurers' report.
2. Formally accept the new membership application for presentation at the Regular Meeting.
3. Name the Club contact 2020 to be shown on the ARRL Annual Report.

Recorded and submitted by:  
Bruce Campbell, KM4EHU  
Secretary

**(continued from page 5, Director's meeting 12-16-19)**

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- 2. Formally accept the new membership application for presentation at the Regular Meeting.**
- 3. Name the Club contact 2020 to be shown on the ARRL Annual Report.**

**Recorded and submitted by:**

**Bruce Campbell, KM4EHU  
Secretary**



## Program Schedule for 2020

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

The following programs are scheduled for 2020. Your input and suggestions for programs for 2020 are needed. Call David Richardson, W9KHZ at 859-983-1380 or e-mail at daveinlex3@gmail.com/.

Month	Topic	Presenter(s)	Comments
January	"Winter Field Day" January 25-26, 2020	David Richardson/W9KHZ	
February	TBA		
March	SkyWarn National Weather Service, Joe Sullivan, Louisville, KY		
April	TBA		
May	TBA		
June	"ARRL Field Day" June 20-21, 2020	David Richardson/W9KHZ	
July	TBA		
August	"Hamfest" August 8, 2020	David Richardson/W9KHZ	
September	Annual Family Picnic	Bill DeVore	Shillito Park, LEX
October	TBA		
November	Nominating Committee Report		
December	"Annual Auction"/Election	Brad James	

Bluegrass Amateur Radio Society (BARS)  
 General Meeting Minutes of December 2, 2019  
 Red Cross Building, Lexington, Ky.  
 The December, 2019, BARS General Meeting was called to order at 7:35pm by First Vice President Bull Fuqua, WA4LAV.

Self-introductions were made by nineteen(19) licensed members and two(2) non-licensed life members in attendance, which composed quorum.

Club and Members' News.  
 (none)

Treasurer's Report – John Barnes, KS4GL.

1. The membership applications for David Keown, KN4IZF, Calvin Smith, KN4ZIJ, Ken Johnson, KN4ZIE, and Suzanne Meyer, KN4ZIG, that were accepted by the Board of Directors at their December Special Meeting were presented. David Richardson, W9KHZ, moved and Joe Raber, KN4ONX, seconded for approval which passed without objection.

2. The summary treasurer's report based bank statements of amounts in accounts as of November 30, 2019, are:

Checking account:			
General fund:	\$8,807.30		
Coax/repeater:	804.98		
Education:	1,601.19	\$10,813.47	
PayPal account:			
	3,556.66		
Savings account:			
	201.30		

Total balance of accounts: \$14,571.43  
 Joe Raber, KN4ONX, moved and Bob Brown, KI4JWK, seconded for acceptance of the Treasurer's report which was approved without objection.

Committee Announcements.  
 (none)

Special Interest Groups News.  
 (none)

Old Business.  
 Bill Fuqua, WA4LAV, reported that fifty-one(51) items of donated equipment were sold in October and November. Brad James, WA4HBM, suggested that an audit type of review be performed to bring the financial accounting of the donated equipment

disposition up to date and reported at subsequent meetings.

New Business.

1) Secretary Bruce Campbell, KM4EHU, presented the second reading of the proposed rewritten Bylaws version from first reading at the November Open General Meeting. After discussion and debate concerning the Club's responsibilities under article XI.B.8, for members who are under the age of eighteen(18), Joe Raber, KN4ONX, moved and Brad James, WA4HBM, seconded that the proposed Bylaws as currently written be given to the voting members of record as of the end of this December 2nd meeting for decision by mail ballots, which will be counted at the Open General Meeting on January 6, 2020, and if approved will be retro-active as of January 1, 2020. The motion was accepted without objections.

2) Roger Colvin, KJ4YSY, and Loretta Colvin counted the forty-two(42) ballots returned for election of Officers for 2020.

President: Brad James, WA4HBM, (42 votes),  
 First Vice President: Bob Brown, KI4JVK, (42 votes);  
 Second Vice President: David Richardson, W9KHZ, (42 votes);  
 Secretary: Bruce A. Campbell, KM4EHU, (42 votes);  
 Treasurer: John Barnes, KS4GL, (42 votes);  
 Directors-at-Large: Tim Kunkel, KF4MPM, (40 votes);

Bill Fuqua, WA4LAV, (37 votes);  
 Pete Kragh, K2UPD, (1 write-in vote).

Bart Breeding, KB4FEE, moved and Harvey Fry, AA4HF, seconded that the voting results be accepted which was approved unanimously.

3) Treasurer John Barnes, KS4GL, asked that Roger Colvin, KJ4YSY, and Loretta Colvin be acknowledged for their work on the nominations and elections which was agreed to by the full consensus of all club members present.

**continued on page 11)**

**(continued fom page 10, General Meeting 12-2-19)**

President-elect Brad James, WA4HBM, extended a "thank you" to members for their votes and asked that he would like to hear any and all suggestions concerning club administration and activities for 2020.

**Trivia Question.**

Four(4) correct answers were submitted for Terry Layman's trivial question concerning the University of Kentucky being the first to receive and display a radio teletype(RTTY) message on a cathode ray tube.

With no other business at 9:09pm, Sandy Gragg, KM4PJU, moved and James Schlessler, WA9MED, seconded that the meeting be adjourned which was unanimously approved.

The next BARS scheduled meetings and activities:

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

BARS General Meeting: Monday, January 6th, 7:30pm.

Pro-

gram: Winter Field Day

Directors' Meeting: Monday, January 20th, 7:30pm.

Winter Field Day: Saturday-Sunday, Jan 25th -26th.

Recorded and submitted by:

Bruce A. Campbell, KM4EHU

Secretary



**"Associate yourself with men of good quality if you esteem your own reputation; for 'tis better to be alone than in bad company."**

**George Washington**

**"Nothing can stop the man with the right mental attitude from achieving his goal; nothing on earth can help the man with the wrong mental attitude."**

**Thomas Jefferson**

**"It is easier to do a job right than to explain why you didn't."**

**Martin Van Buren**

**"Times change, and we change with them."**

**William Henry Harrison**

**"When I was a kid my parents moved a lot, but I always found them."**

**"My kid wants to be a prison warden when he grows up so he can put thumb tacks on the electric chairs."**

**"My old man, I told him I'm tired of running around in circles. So he nailed my other foot to the floor."**

**Rodney Dangerfield**

**TREASURER'S REPORT**

Respectfully submitted by John Barnes/KS4GL, Treasurer

**BLUEGRASS AMATEUR RADIO SOCIETY, INC.  
INCOME, EXPENSES, AND ACCOUNT BALANCES  
as of November 30, 2019**

	Checking Account	PayPal Account	Savings Account	Total
<b>INCOME:</b>				
ARRL Dues	0.00	0.00	0.00	0.00
BARS Dues	60.00	0.00	0.00	60.00
Coax/Repeater	0.00	0.00	0.00	0.00
Donations	0.00	3000.00	0.00	3000.00
Education	23.81	0.00	0.00	23.81
Hamfest	0.00	0.00	0.00	0.00
Interest	1.43	0.00	0.04	1.47
Sales Tax	0.00	0.00	0.00	0.00
Miscellaneous	0.00	0.00	0.00	0.00
<b>Total</b>	<b>85.24</b>	<b>3000.00</b>	<b>0.04</b>	<b>3085.28</b>

<b>EXPENSES:</b>			
ARRL Dues	0.00		0.00
Coax/Repeaters	0.00		0.00
Donations	434.16	291.84	726.00
Education	0.00		0.00
Election	0.00		0.00
Equipment	0.00		0.00
Field Day	0.00		0.00
Hamfest	0.00		0.00
Insurance	0.00		0.00
Miscellaneous	0.00		0.00
Newsletter	0.00		0.00
Picnic	0.00		0.00
P O Box	134.00		134.00
Sales Tax	0.00		0.00
Telephone	0.00		0.00
<b>Total</b>	<b>568.16</b>	<b>291.84</b>	<b>860.00</b>

**ACCOUNT BALANCES**

	October 31, 2019	November 30, 2019
Checking Balance*	11297.82	10814.90
PayPal Balance	3556.66	6264.82
Savings Balance	201.26	201.30
<b>Total Balance</b>	<b>15055.74</b>	<b>17281.02</b>

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

General	8915.46	8408.73
Coax/Repeater	804.98	804.98
Education	1577.38	1601.19
<b>Total Checking</b>	<b>1297.82</b>	<b>10814.90</b>

# Contest Corral

# January 2020

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 Date-Time	Finish Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
1 0000	1 0100	3.5	AGB New Year Snowball Contest	CW Ph Dig	RST, serial, mbr (if any)	<a href="http://qsl.net/eu1eu/agnb_nysb.htm">qsl.net/eu1eu/agnb_nysb.htm</a>
1 0800	1 1100	3.5, 7	SARTG New Year RTTY Contest	Dig	RST, serial, name, "happy new year" in native language	<a href="http://sartg.com/contest/nyrules.htm">sartg.com/contest/nyrules.htm</a>
1 0900	1 1200	3.5-14	AGCW Happy New Year Contest	CW	RST, serial, mbr (if any)	<a href="http://www.agcw.org/index.php/en">www.agcw.org/index.php/en</a>
1 1400	1 1800	144, 432	AGCW VHF/UHF Contest	CW	RST, serial, power class, 6-char grid square	<a href="http://www.agcw.org/index.php/en">www.agcw.org/index.php/en</a>
1 1500	1 1800	3.5-28	QRP ARCI New Years Sprint	CW	RST, SPC, mbr or power	<a href="http://qrparci.org/contests">qrparci.org/contests</a>
1 2000	1 2100	3.5	UKEICC 80-Meter Contest	Ph	4-char grid square	<a href="http://ukeicc.com/80m-rules.php">ukeicc.com/80m-rules.php</a>
2 1800	2 2200	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>
2 2000	2 2200	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or power	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
4 0000	4 2359	3.5-28	PODXS 070 Club PSKFest	Dig	RST, SPC	<a href="http://www.podxs070.com">www.podxs070.com</a>
4 1200	5 1200	3.5-28	VW PMC Contest	CW Ph	RS(T), PMC abbreviation or CQ zone	<a href="http://www.s59dcd.si/index.php/sl">www.s59dcd.si/index.php/sl</a>
4 1300	4 1700	3.5, 7	RSGB AFS Contest, CW	CW	RST, serial	<a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>
4 1800	4 2359	3.5, 7, 14, 18, 21, 24, 28, 144 repeaters	ARRL Kids Day	Ph	Name, age, QTH, favorite color	<a href="http://www.arrl.org/kids-day">www.arrl.org/kids-day</a>
4 1800	5 2359	3.5-28	ARRL RTTY Roundup	Dig	W/VE: RST, SP; non-W/VE: RST, serial	<a href="http://www.arrl.org/rtty-roundup">www.arrl.org/rtty-roundup</a>
4 2000	5 0700	1.8	EUCW 160-Meter Contest	CW	RST, name, club and mbr or "NM"	<a href="http://eucw.org/eu160.html">eucw.org/eu160.html</a>
6 0800	12 2000	All	IQRP Quarterly Marathon	CW Ph Dig	RS(T)	<a href="http://www.arimontebelluna.it">www.arimontebelluna.it</a>
7 0200	7 0400	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	<a href="http://arsqrp.blogspot.com">arsqrp.blogspot.com</a>
8 2300	12 2300	1.8-7	AWA Linc Cundall Memorial CW Contest	CW	RST, eqpt year, input power	<a href="http://www.antiquewireless.org">www.antiquewireless.org</a>
11 0000	11 2359	3.5-28	YB DX Contest	Ph	RS, serial	<a href="http://ybdxcontest.com">ybdxcontest.com</a>
11 0500	11 0900	3.5-28	Old New Year Contest	CW Ph	RST, sum of operator age and years on the air	<a href="http://radio.nu/cq/contest/rule-results">radio.nu/cq/contest/rule-results</a>
11 1200	12 1200	3.5-28	UBA PSK63 Prefix Contest	Dig	RSQ, UBA Section or serial	<a href="http://uba.be/en/hf/contest-rules">uba.be/en/hf/contest-rules</a>
11 1200	12 2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
11 1800	12 0559	1.8-28	North American QSO Party, CW	CW	Name, state/DC/province/country	<a href="http://www.ncjweb.com">www.ncjweb.com</a>
12 0530	12 0730	3.5, 7	NRAU-Baltic Contest, SSB	Ph	RST, serial, Fylke/Lan/Province/Region	<a href="http://nrau.net/nrau-baltic-contest">nrau.net/nrau-baltic-contest</a>
12 0800	12 1000	3.5, 7	NRAU-Baltic Contest, CW	CW	RST, serial, Fylke/Lan/Province/Region	<a href="http://nrau.net/nrau-baltic-contest">nrau.net/nrau-baltic-contest</a>
12 0900	12 1059	28	DARC 10-Meter Contest	CW Ph	RS(T), serial, DOK (if DL)	<a href="http://darc.de/der-club/referate/conteste/darc-10m-contest">darc.de/der-club/referate/conteste/darc-10m-contest</a>
12 1300	12 1700	3.5, 7	RSGB AFS Contest, Data	Dig	RST, serial	<a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>
12 1400	15 0800	1.8-144	Classic Exchange, CW	CW	Name, RST, SPC, rcvr/xmtr info	<a href="http://www.classicexchange.org">www.classicexchange.org</a>
13 0100	13 0300	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>
16 0130	16 0330	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	<a href="http://naqcc.info">naqcc.info</a>
17 1800	17 2200	3.5, 7	LZ Open Contest	CW	Serial, serial received from previous QSO	<a href="http://www.lzopen.com">www.lzopen.com</a>
18 1200	19 1159	1.8-28	Hungarian DX Contest	CW Ph	RS(T), HA county or serial	<a href="http://www.ha-dx.com/en">www.ha-dx.com/en</a>
18 1300	18 1700	3.5, 7	RSGB AFS Contest, SSB	Ph	RS, serial	<a href="http://www.rsgbcc.org/hf">www.rsgbcc.org/hf</a>
18 1800	19 0559	1.8-28	North American QSO Party, SSB	Ph	Name, state/DC/province/country	<a href="http://www.ncjweb.com">www.ncjweb.com</a>
18 1800	19 0559	1.8-28	NA Collegiate Championship, SSB	Ph	Name, state/DC/province/country	<a href="http://www.w9smc.com/nacc">www.w9smc.com/nacc</a>
18 1900	18 2300	1.8	WAB 1.8 MHz Phone/CW	CW Ph	RS(T), serial, WAB square or country	<a href="http://wab.intermip.net">wab.intermip.net</a>
18 1900	20 0359	50 and up	ARRL January VHF Contest	CW Ph Dig	4-char grid square	<a href="http://www.arrl.org/january-vhf">www.arrl.org/january-vhf</a>
18 2000	19 0559	1.8-7	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	<a href="http://sites.google.com/site/feldhellclub">sites.google.com/site/feldhellclub</a>
20 0200	20 0400	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>
22 0000	22 0200	1.8-28	SKCC Sprint	CW	RST, SPC, name, mbr or power	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
23 0130	23 0330	1.8	NAQCC CW Sprint	CW	RST, SPC, mbr or power	<a href="http://naqcc.info">naqcc.info</a>
24 2200	26 2200	1.8	CQ 160-Meter Contest, CW	CW	RST, SP or CQ zone	<a href="http://www.cq160.com">www.cq160.com</a>
25 0600	26 1800	3.5-28	REF Contest, CW	CW	RST, French Dept or serial	<a href="http://concours.r-e-f.org">concours.r-e-f.org</a>
25 1200	26 1200	3.5-28	BARTG RTTY Sprint	Dig	Serial	<a href="http://bartg.org.uk">bartg.org.uk</a>
25 1300	26 1300	3.5-28	UBA DX Contest, SSB	Ph	RST, serial, Province (if ON)	<a href="http://uba.be/en/hf/contest-rules">uba.be/en/hf/contest-rules</a>
25 1900	26 1900	All (no WARC)	Winter Field Day	CW Ph Dig	Category, ARRL Section or "DX"	<a href="http://www.winterfieldday.com">www.winterfieldday.com</a>
27 1300	28 0400	1.8-28	QCX Challenge	CW	RST, name, SPC, rig	<a href="http://qrp-labs.com/party.html">qrp-labs.com/party.html</a>
29 2000	29 2100	3.5	UKEICC 80-Meter Contest	CW	4-char grid square	<a href="http://www.ukeicc.com">www.ukeicc.com</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 WA7BNM 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, WA7BNM, in providing this service.*

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## 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/KO40L.

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.

**After you've heard two eyewitness accounts of an automobile accident, you begin to worry about history.**

**Real men don't use instructions, son; besides, this is just the manufacturer's opinion on how to put this together.**

**Tim Allen**

## Schedule for Volunteer Examinations in 2019-20

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 [Ferne Williams/KE4MAI](mailto:ke4mai@arrl.net), ke4mai@arrl.net, 859-652-3393 (www.bluegrassars.org)  
 Danville - Liaison [John Wulf/K4FT](mailto:johnk4ft@gmail.com), johnk4ft@gmail.com, 563-505-0339, Wilderness Road ARC, http://www.wrarc.com  
 Georgetown - Liaison [Ron Malinowski/WX4GPS](mailto:wx4gps@arrl.net), wx4gps@arrl.net, 502-542-8252  
 WCARS VEC: Lexington - Liaison [Marguerite Williams/KE4MAJ](mailto:ke4maj@arrl.net), ke4maj@arrl.net, 859-489-6274 (www.bluegrassars.org)  
 W5YI VEC: Winchester - Liaison [Darrell Epperson/AC4YD](mailto:AC4YD@arrl.net), AC4YD@arrl.net, 859-771-1834

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

Date and Time	VEC	Location
Jan. 11, 2020, 10:00 am	Darrell Epperson/W5YI	Clark County EOC, Winchester, KY
Jan. 25, 2020 10:00 am	John Wulf/K4FT	AM. Legion Post 45, Danville, KY
Jan, 28, 2020 6:00 pm	Brian Carter/KI4TLW	Anderson Co. Health Dept., Lawrenceburg, KY

**Please find below the link to the Club's Ebay Account. Copy it into your browser and check out the items the club has up for auction.**  
<https://www.ebay.com/sch/bluegrassars/m.html>



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)  
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 Shack ..... David Richardson/W9KHZ (859) 983-1380 (daveinlex3@gmail.com)  
 Volunteer Examinations ..... Fernie Williams/KE4MAI (859) 652-3393 (ke4mai@arrl.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 ..... David Richardson/W9KHZ (859) 983-1380 (daveinlex3@gmail.com)  
 HF Liaison to Shack Committee . . . David Richardson/W9KHZ  
 VHF Liaison to Shack Committee . . . Tim Kunkle/KF4MPM

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 859/279-6307, and

Bill Fuqua/WA4LAV  
 3395 Greentree Drive  
 Lexington, Kentucky 40517  
 859/272-9523  
 wlfuqu00@uky.edu

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 JANUARY 2020

- Wed 1 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 2 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 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 4 Shack open 9:00-Noon; Radio Theory and Construction Workshop, 1:00-3:00 PM,
- Sun 5 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); London Regional Skywarn Net, 8:00 PM, 147.180, PL-74.4 Hz) and other repeaters in the area
- Mon 6 BARS Special Director's meeting at 7:00 pm, BARS General Membership meeting 7:30 p,m 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 7 Amateur Swap Net 145.370 (T-192.8) 8:00 PM; KY-QRP Net 8:00pm 146.760 repeater no PL tone, 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 8 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 9 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 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 11 Shack open 9:00-Noon; Radio Theory and Construction Workshop, 1:00-3:00 PM,
- SUN 12 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); London Regional Skywarn Net, 8:00 PM, 147.180 (PL-74.4 Hz) and other repeaters in the area.
- Mon 13 Jessamine Amateur Wireless Society meeting, 7:00 PM, St. Joseph/R.J. Corman Ambulatory Care Center, 1250 Keene Road, Nicholasville; ; Director's meeting 7:30 pm;
- Tue 14 Amateur Swap Net 145.370 (T-192.8) 8:00 PM; KY-QRP Net 8:00pm 146.760 repeater no PL tone 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 15 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 16 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 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 18 Shack open 9:00-Noon; Radio Theory & Construction Workshop, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike;
- Sun 19 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); London Regional Skywarn Net, 8:00 PM, 147.180 (PL-74.4 Hz) and other repeaters in the area.
- Mon 20 BARS Director's Meeting 7:30 pm, 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 21 Amateur Swap Net 145.370 (T-192.8) 8:00 PM; KY-QRP Net 8:00pm 146.760 repeater no PL tone 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 22 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 23 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 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 25 Winter Field Day; Radio Theory and Construction Workshop, 1:00-3:00 PM,
- Sun 26 Winter Field, Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); London Regional Skywarn Net, 8:00 PM, 147.180 (PL-74.4 Hz) linked to 147.180 (PL-74.4 Hz), other repeaters in the area.
- Mon 27 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 28 Amateur Swap Net 145.370 (T-192.8) 8:00 PM; KY-QRP Net 8:00pm 146.760 repeater no PL tone 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+ MH
- Wed 29 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 30 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 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