



ARRL Standard



Pray for our
Troops



God Bless America!

QUA/HAMnews

OCTOBER
2021

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Club Station K4KJQ
MARS STATION



Glenn E. Welman/KF4NB
Memorial BBS
145.010 and 145.090

Web Page: <http://www.bluegrassars.org>
E-mail: bluegrassars@hotmail.com

K4KJQ
146.160/.760

ATV Repeater: KY4ATV
Input: 439.250 // Output: 923.250

WA4HBM
147.765/.165

"Ham News" was first published by Bobby Foster, WA4ZSQ, in August, 1972; the parent newsletter, "QUA," was first published in March, 1947

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>.

October General Membership meeting has been canceled. The ZOOM meeting is October 4 at 7:30 pm. See Zoom announcement.



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

October 2021

Meeting Notice

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

The general in person meeting of the Bluegrass Amateur Radio Society, Inc., scheduled for October has been cancelled. The ZOOM meeting is scheduled for Oct. 4, 2021, at 7:30 pm. See information on page 3.

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 currently closed due to the Covid-19. 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 - Jewell Vest

Jewell has agreed to become the new coordinator. 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 Bart/KB4FEE/859-644-2216

A new net has started, Monday evening at 8 pm on the Bars TG 3131563 and Saturday mornings at 8:45 am, on the 146,760 Mhz repeater. This is a rag chew net and open for all amateurs. There is no PL tone. See you on the net.

Sir, my concern is not whether God is on our side; my greatest concern is to be on God's side, for God is always right.

-Abraham Lincoln

The BARS Board of Directors met Monday, September 20th in the BARS Education Center in the American Red Cross building. President Brad James called the meeting to order at 7:00 M. Due to the lack of a quorum no business was discussed or voted on.



I want to thank everyone for the warm welcome and delicious food that was served at the annual picnic and award ceremony, it was a lot of fun and I was able to meet more fellow hams as well as being presented the Ernie Farmer Memorial Award, I am very honored and touched to be nominated by my friends and fellow hams. A heart felt Thank You to Everyone! Sincerely, Jeffery Todd Anderson Sr. (K14DMN) , Henry County KY.

ERNIE FARMER AWARDEE FOR 2021

LINK TO BY-LAWS

<https://1drv.ms/b/s!AqEiE135zkdAjjacQsQea7LrQVzd>

Bluegrass Amateur Radio Society (BARS)
Open General Meeting Report for October 2021
Red Cross Building, Lexington, Ky.

The October 2021 General Membership has been cancelled.

Topic: BARS October meeting part 1
Time: Oct 4, 2021 07:30 PM Eastern Time (US and Canada)

Join Zoom Meeting
<https://us04web.zoom.us/j/6813577284?pwd=THhBT0xidC8wZDZhdTZadTk4Z0FEQT09>

Meeting ID: 681 357 7284
Passcode: 0r99sy

Topic: BARS October meeting part 2 if needed
Time: Oct 4, 2021 08:15 PM Eastern Time (US and Canada)

Join Zoom Meeting
<https://us04web.zoom.us/j/6813577284?pwd=THhBT0xidC8wZDZhdTZadTk4Z0FEQT09>

Meeting ID: 681 357 7284
Passcode: 0r99sy

MAIL ADDRESS CHANGE

At the December meeting, the Board of Directors decided to get a post office box for the club at the Nandino Boulevard post office, which is "right around the corner" from the club shack. This will make it much easier for people to check the box while traveling to or from the shack.

Post office box fees are often paid six months at a time. I want to thank Jodie, WB4LKQ for donating the funds for the first six months of our new box.

Mail will continue to be received at the old box (4411) for several months, and then there will be a forwarding order in effect to forward mail from the old box to the new box for a year. But, we want to start moving over to the new box as quickly as practical.

Make note of our new address:

Bluegrass Amateur Radio Society, Inc.
Post Office Box 13206
Lexington KY 40583-3206

To emphasize, anything sent to the old box (such as 2021 dues - you have sent yours right? :-)) will be received OK.

Chris
KU4A



Annual Family Picnic 2021

NOTICE TO MEMBERS

The Treasurer's Report or any financial reports will not appear in the Newsletter. The Treasurer's reports are available to any BARS members in good standing. You will need to request the report that you would like to have. Send a letter to BARS Inc. PO Box 13206, Lexington, KY 40583 with your request.

Analyzing Your Antenna System

This may come as news to some readers, but the most important part of any amateur radio station is its antenna system. You can buy the most expensive, high-performance transceiver ever made, but it will be virtually worthless if your antenna system is defective.

The antenna system consists of the antenna itself and the feed line (such as a coaxial cable) that's between it and your radio. Some hams judge the performance of their antenna systems by the standing wave ratio (SWR) readings they see in their stations. While it's true that SWR is only part of the antenna-performance story, it is an important part.

When the SWR becomes higher than about 2:1, a significant portion of the RF (radio frequency) energy generated by your transceiver can be lost in the feed line. Depending on the frequency you are transmitting at and the type of feed line you are using, the loss can be quite high. In addition, when the SWR rises above about 1.5:1, your transceiver may begin to automatically reduce its output to prevent damage to sensitive components.

You can use an antenna tuner to lower the SWR so that your transceiver is satisfied, but the SWR will still remain elevated between the tuner and the antenna. The solution there is to adjust the antenna for a lower SWR, or use a feed line that has lower loss characteristics, or both.

For More About SWR and Antenna Tuners

The January/February 2021 issue of *On the Air* features articles on "Untangling SWR" and "Antenna Tuners: Making a Match," with fundamental information on both topics.

The SWR Meter Approach

Most amateurs monitor their antenna system SWR by using either the meters included within their transceivers, SWR meters within external antenna tuners, or dedicated stand-alone SWR meters. Any of these will do a fine job of helping you keep an eye on the health of your antenna system, at least as it concerns the SWR.

But imagine that you have a wire dipole antenna that you use on the 10-meter band. Perhaps you operate SSB at about 28.400 MHz much of the time, but now you want to try digital modes below 28.100 MHz. The SWR at 28.400 MHz is a nice 1.4:1, but when you dip down to 28.100 MHz, your meter tells you that the SWR rises to almost 3:1.

If the SWR of a dipole antenna goes up when the frequency goes down, it usually means that you need to make the antenna longer. By adding equal lengths of wire to both legs of the antenna, you can effectively "shift" the 1.4:1 SWR you saw at 28.400 MHz so that it is present at 28.100 MHz instead.



Above, left to right: An MFJ analyzer doing a frequency sweep to find the lowest SWR. ■ A RigExpert AA-600 analyzer doing an SWR sweep through a broad range of frequencies. ■ The NanoVNA sells for less than \$100. ■ The Comet CAA-500 Mark II analyzer offers a mechanical meter and a graphic display.

Let's say you get two 1-foot lengths of wire and attach them to the ends of your antenna. You return to your station, transmit a low-power signal at 28.100 MHz and see what the SWR meter has to say. According to the meter, the SWR has gone down to 2:1. That's an improvement, but it isn't good enough. It looks like you'll have to add more wire and try again.

When you return to your radio and try another test, your meter now tells you that the SWR has *increased* at 28.100 MHz! What happened? Did you add too much wire this time?

Back and forth you go, cutting wire and taking SWR readings. You'll find the SWR sweet spot eventually, but it could be a tedious exercise. Wouldn't it be so much easier if you could see the SWR response of your antenna at all frequencies, from one end of the band to the other, with just one measurement?

Introducing the Antenna Analyzer

Antenna analyzers are battery operated, low-power transmitters controlled by microprocessor circuitry. They can generate signals at any HF frequency, and some models work at VHF and UHF as well. An analyzer will measure your antenna system SWR at any frequency within its range. It will show you the SWR at a specific frequency, and more sophisticated models can sweep through many frequencies and display graphic plots that show where the SWRs are highest and lowest.

In our dipole antenna example, an antenna analyzer would allow you to quickly see the SWRs at frequencies above and below your 28.100 MHz target. If you are using an analyzer with a sweep display, you'd instantly see whether your low-SWR frequency is below 28.100 MHz, which means you added too much wire, or above, which means you need to add more. The SWR performance of your antenna will be shown in its entirety — right before your eyes — with a single measurement.

An antenna analyzer can do more than measure SWRs. It will also show you the electrical characteristics of your antenna system — its total impedance and the resistive and reactive values that make up that impedance. A full discussion of this function is well beyond the scope of *On the Air* magazine, but it is important for hams who design or modify antenna systems, or build devices such as antenna tuners.

An analyzer can also tell you how much RF you're losing in your feed line. This is an easy function to use. One method is to disconnect the feed line at your antenna, go back inside your station, attach the analyzer to the feed line, and select the function and the frequency of interest. You'll immediately see a number such as 3 dB (decibels). This means that your feed line will lose up to 3 dB of RF energy at the frequency you've selected. (By the way, this isn't a good result; it means you're losing 50% of your power in the feed line!)

A few analyzers can even help you find a defect in your coaxial cable. They have what are known as TDRs — *Time Domain Reflectometers* — functions that will send a pulse through the cable and measure what happens as the signal bounces back. If there is a problem such as a bad connection, the analyzer will tell you the approximate distance between the analyzer and the faulty connection.

These are just a few uses for antenna analyzers; there are many more. Put simply, whenever you want to know what is going on in any circuit that handles RF energy, an antenna analyzer is the one of the best tools for the job.

Shopping for Analyzers

Depending on how many features they offer, antenna analyzers can range in price from \$100 to more than \$400. There are also devices known as *Vector Network Analyzers*, or VNAs, that perform many of the same measurements, and there are some VNA models available for less than \$100. You may see the terms "antenna analyzer" and "VNA" used interchangeably.

But why purchase an analyzer at all? Sure, it makes antenna setup and adjustment much easier, but you could conceivably save the money and use the more tedious SWR meter approach instead.

Unless you plan to experiment with designing and building your own antennas, you may not get enough use out of an analyzer to justify the investment. On the other hand, though it's a tool that you may not use often, you'll certainly be glad it's there when you need it.

One alternative approach "joint ownership" of an analyzer. If you and four friends contribute, say, \$50 each, you can purchase an analyzer that any of you can use when necessary. Amateur radio clubs will sometimes buy test equipment such as antenna analyzers and make them available on loan to members. If your club doesn't do this, you may want to bring up the idea!


73 LAST WORD
**Thomas Wayne King,
WF9I**

One fall day in 2016, I was calling CQ on 20 meters. No one seemed to be listening, so I turned from the radio and worked on a new article.

As I typed, sudden motion outdoors sparked my attention. I glanced through the windows overlooking our old-growth pine forest. An adult black squirrel — torn, bitten, and bloodied — stared at me from the closest deck rail.

This courageous little guy probably had a life-and-death tussle with a coyote or wolf, maybe a fox or fisher. In this northwestern corner of Wisconsin, wild predators and their prey are parts of our lives.

This durable squirrel heard my rhythmic CQ call for a contact and was seeking help. I spoke to him softly through the window. “*Spartacus* — that’s you.” I grabbed a bag of in-the-shell roasted peanuts from our kitchen, tossing some out onto the deck.

Spartacus leapt down, snatched a peanut, then scooted onto the deck rail to eat it. His gratitude was evident. I tossed out more nuts and returned to my work, losing track of all else around me.

Hours later, I still had that itch for an on-air chat, so I again called CQ with no answer. As I turned back to my writing desk, there were more quick movements on the deck.

Sparty was back. He bounded up onto the rail near my window, looking at me with plaintive, appealing indigo eyes. I threw more peanuts on the deck, and he scurried to bury each treasure.

As an experiment the next morning, I called, “CQ Squirrel, CQ Squirrel,” as I spread fresh peanuts and sunflower seeds on the deck. Sure enough, a small dark face appeared high up in a nearby red maple tree. Spartacus scampered to the rail for more treats.

Gradually, Sparty recovered. He and this easily-manipulated radioman/writer bonded more each day. By spring of 2017, as I worked outside, Spartacus followed me around, watching from nearby trees.

Sparty was alert to me, even observing through windows as I moved about in our home, showing up whenever he heard me talking on the radio — and when I called “CQ Squirrel” from the deck. He and his mate, a gray squirrel we named Bright Ears, had many offspring, evidencing features of both parents.

Black squirrels live about 3-5 years, so a time came in 2019 when we stopped seeing dear Sparty. His family still romps on the deck. All respond to “CQ Squirrel,” but I miss being watched by those emotive dark eyes. We gave Spartacus more life. He gave us more ham adventures, joys, and tales.

Thomas Wayne King, WF9I, is professor emeritus, University of Wisconsin-Eau Claire. A prolific author, Tom became fascinated with ham radio and Morse code at age six.



Basic Troubleshooting

Dino Papas, KLØS

Let's say you're using your 2-meter mobile transceiver in your shack as a base station. You're talking on the local repeater, having a great time — and suddenly the radio just stops working. Maybe you've already faced a situation like this, or maybe it has yet to happen to you. Either way, it's a good idea to know how to answer the question that comes to mind when your radio conks out: What the heck happened? In order to figure that out, you need to know how to approach the problem in a systematic way, to find its source and apply an appropriate solution. In a word, you need to know how to troubleshoot.

Troubleshooting has been described as both an art and a science, because as your skills develop, you'll find that your intuition will play a more important role. But as a new ham, sticking with a scientific approach will help ground you in the basics and assist you later as your skills develop.

The troubleshooting process can be broken down into five steps:

- Step 1** Answering the question, "What is the failure?"
- Step 2** Determining what component or equipment has failed.
- Step 3** Zeroing in on the failure mechanism.
- Step 4** Determining the specific fault involved.
- Step 5** Resolving the fault.

Consider the System

It helps to think of your station as a system that stretches from the dc power source, through the radio, and all the way to the antenna. Doing so allows you to consider each element of the system both individually and in terms of how it relates to other elements. In the situation described above, the failure is that the radio has suddenly stopped operating. The system, shown in Figure 1, consists of an ac-operated dc power supply, a VHF/UHF radio and associated accessories such as microphones, speakers, SWR meters, coax switches, any interconnecting cables and their connectors, as well as the coax cable connecting our radio to the antenna, and finally the antenna itself. Skipping this systematic analysis can lead to frustration and needless effort.

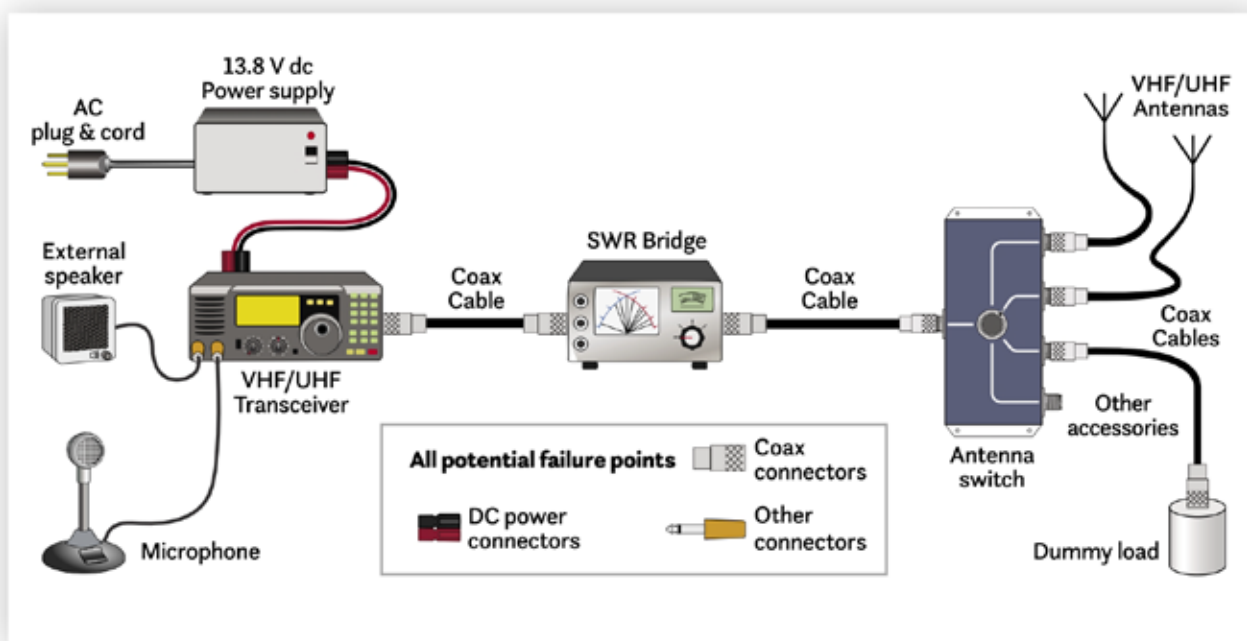


Figure 1: Schematic of a typical home VHF/UHF radio system.

ARRL 1982



Figure 2: Analog and digital multimeters.



Figure 3: Power supply outputs correct voltage.



Figure 4: Inline fuse holders.



Figure 5: Replacement fuses — glass tube style (bottom) and automotive blade style (top). You can see that the wire inside each of these fuses is intact.

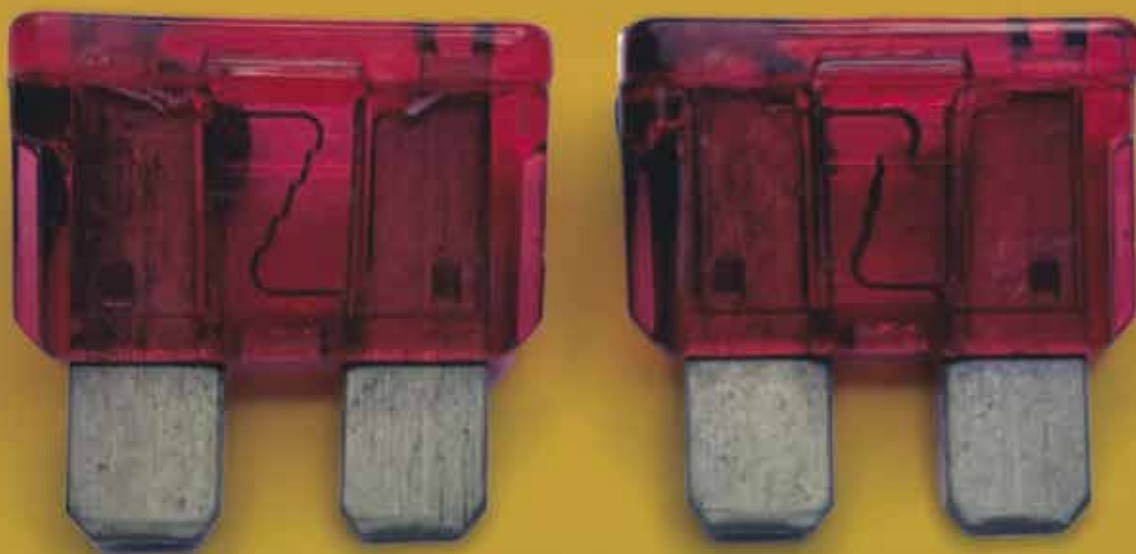
Finding the Failure

In **Step 1**, When we ask ourselves, “What is the failure,” we already know, in a broad sense, that the failure is that the radio no longer operates. We shouldn’t stop there, however, because the apparent situation doesn’t necessarily point to which component has actually failed.

Step 2 asks us to identify that component. Doing that requires us to think about the situation logically. We observed that the radio suddenly stopped working, so, what does it make sense to check first? A time-honored maxim for electronic technicians and hams is to always check power systems first; this applies to the most complex circuits, as well as the simple system shown here. Without power, the radio simply won’t operate! As a new ham, one of the most useful pieces of test equipment you can own for testing and troubleshooting is a *multimeter* — either a digital (DMM) or analog unit (see Figure 2) — that lets you measure voltage, current, resistance, and *continuity* (a way of confirming that a path exists for current to flow). More advanced meters provide additional measurement capabilities such as frequency, capacitance, measuring semiconductor parameters, and more.

Upon testing the power supply with the multimeter, we measure 13.8 V dc at the output terminals on the rear of the supply (see Figure 3). The power supply is definitely working! Next, we need to ensure that the operating voltage is actually making it to the radio, so it’s time to check that the radio power cord connectors are securely attached to the power supply’s terminals. If they are, we can move down the dc power cable toward the radio, where typically we’ll find two inline fuse holders, one in each of the positive (red) and ground (black) leads (see Figure 4). Fuses are intended to protect a device from an overcurrent condition by self-destructing and opening the circuit, preventing any further current flow that could damage a component. We can test each fuse with the continuity function of our multimeter. A correctly functioning fuse (which could be a glass tube or automotive blade style — you can see one of each in Figure 5) should have a direct connection between each of its legs (see Figure 6 for the difference between a functioning fuse and a blown fuse). After making sure the power supply is disconnected from the ac line, we can use our multimeter’s continuity function to determine if the fuses are okay.

Figure 6: An intact fuse (left), as opposed to a blown fuse (right). Note the break in the wire.



Figuring Out the Fix

Step 3's continuity check finds that one of the two fuses is in fact blown, and here we're faced with a troubleshooter's conundrum: whether to simply replace the fuse (always with either a fuse of the equivalent or lower current rating, but never larger!), or try to determine what caused the fuse to fail to begin with. Fuses sometimes fail for no apparent reason, as it's possible that the fuse was faulty as a result of a manufacturing defect. But a blown fuse that did its job could indicate a more serious problem with the radio. Here's where our multi-meter can come in handy again. If the problem is in the radio, that would most likely appear as a shorted condition at the radio's power port and the reason the fuse blew. So, let's simply check to see if the port presents a dead short (very low resistance) between the positive and negative (ground) pins. Our meter shows us that there is a high resistance at the power port, at least in the many millions of ohms, so we can assume the issue is not a shorted condition in the radio. That takes us back to the fuse and the possi-



Figure 7: Success! The radio works again!

bility that it was simply a defective one, which puts us at **Step 4** — we seem to have found the specific fault. With this in mind, we can more confidently follow **Step 5** and replace the fuse. When we do, we find that in fact this fixes the issue, and our radio functions correctly again (see Figure 7).

For More About Troubleshooting

Chapter 26 of *The ARRL Handbook* covers Troubleshooting and Maintenance in great detail.

Calling in Reinforcements

Failure scenarios can present themselves in simple or complex ways; approaching the failure logically gives you your best chance for a successful fix. Having said that, it's also important to realize when the failure may be more than your skills are capable of diagnosing and fixing. For example, what happens when replacing that blown fuse doesn't fix your radio? In that case, it's time to call a trusted mentor or someone from your local club that you know is a good troubleshooter. Watching that person lend a hand will be another step in your growth as a troubleshooter.

Hopefully now you have a better sense of how to approach a failed component part of your radio system, its accessories or antennas. Take a deep breath when faced with this type of situation, think logically how to approach the problem, use the tools you have always keeping safety in mind, and you can be successful!

Dino Papas, KL0S, is a frequent QST and On the Air contributor, and has been an amateur radio operator for over 51 years. You can contact Dino at kl0s@arrl.net.

REMINDERS

If you have not paid your dues for 2021 yet, please do so. You will not be able to vote in the upcoming club officer election. You must be a paid member to participate in the election. It is important that your voice is heard and you have a voice in how the club is operated.

All members with 2021 paid dues can pick up a free club patch. Also, as long as they last you can purchase 2 additional patches for \$5.00. Please bring exact change (we can't make change).

The annual dues run during a calendar year, January to December. If you join during the year, the dues are pro rated based upon when you join. Also, dues are \$20.00 per year, with a 60-day grace period ending on the last day of February. If you pay for multiple years, you get a discount:

2yrs. is \$38
3 yrs. is \$55

Fayette County ARES Coordinator - Jewell Vest

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 Bart Breeding, KB4FEE at KB4FEE@arrl.net

New Rag chew net on Wednesday evening at 8:00 pm and on Saturday morning at 9 am. The net is located on the 146.760 repeater with a negative offset and no PL tone.

SEE YOU THERE!!!

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>

BARS E-BAY SALES AND AUCTION SALES OF SURPLUSSED EQUIPMENT

The BARS Board of Directors has adopted a method for the disposal of all items in our donated equipment inventory through the transfer of ownership by making them available for purchase by open public auctions and sales. We have determined that it is to the optimum benefit of BARS that we try to obtain the maximum amount for each item, or related sets of items, by accepting only the highest value received through as fair, and as equitable, and as impartial a public process as reasonably possible. In this way we endeavor to eliminate any impressions of advantage or disadvantage to anyone or group wishing to obtain by purchase any item or items.

Our process in operation now is to periodically, and more-or-less continuously, move a somewhat small and easily manageable group of equipments, selected to some extent at random, from a storage facility to the BARS room at the Red Cross Building. At the BARS room, the equipment is basically evaluated (maybe even "smoke" tested) to determine a reasonably accurate and reliable description of its condition. Any equipments that we envision may be of utility to the Club are retained for use in the shack or the shop. Those items that are marked for sale through E-Bay are weighed and photographed, and then researched in an effort to determine their histories and current comparative values. After that, the equipment's descriptive file, including our asked and reserve price, is up-loaded to the E-Bay sales website under our "Bluegrassars" account to make our intentions universally known that the equipment is publically available by timed auction or instant fixed-price purchase. In this way we are trying to keep up a simple uninterrupted cycle of listings, purchases, and shipments which will eventually deplete our inventory of donated and surplus items and eliminate our need and the expense for a rented storage facility.

The current (and previous) BARS Bylaws in its Preamble is specific in its intention that "*No part of the resources, and/or property, and /or net earnings of the corporation, if any, shall inure to the individual benefit of, or be distributed to, any of its members, trustees, directors, officers, or other private persons...*". In order to insure our own compliance with our own rules, no offers for purchase of any Club owned items will be considered that are not conducted in an open public venue or setting by the methods currently adopted by BARS. This prevents any perception of preference to any purchaser, including Club members, and provides an element of assurance that the Club realizes a monetary amount that was determined by as fair a market demand value attainable at the time of the sale. We generally consider this approach is of the overall advantage to BARS, its members, as well as any others involved in these types of financial transactions with the Club. In addition, the Club has established a reputation through E-Bay of reliable and highly-rated service which has allowed us to increase our listings due to our so-far proven credibility. The Club intends to maintain this commendable level of association with E-Bay as our outlet for sales of our major surplus'd electronics equipment.

There is a prior knowledge of the items that will be coming to sale by some of the Club members who assist and help with the moving from the storage unit to the BARS room. During the interim period between transporting, preparation, and posting for sale on E-Bay, the items are normally "on display" in the BARS room except for those of exceptional condition and value that are securely stored away to prevent damage or theft. Also, once an item is posted on E-Bay and before its final sale, it is available by appointment for a hands-on, non-destructive, inspection by anyone interested in attaining the item only through the E-Bay venue. The E-Bay sale amount transaction includes the final accepted item price, plus applicable sales tax and estimated shipping costs based on weight and method, that will all be paid by the buyer. The Club receives a net amount after E-Bay listing fees and financial transaction fees are deducted. The difference between the E-Bay assessed and the Club's actual shipping costs are subsequently reconciled by BARS. A local or nearby buyer can forego the E-Bay determined shipping costs by opting for a local in-person pick-up arrangement scheduled at the BARS room with proper purchase confirmation paperwork.

Minor items and equipments that have been judged and determined to be of relatively low nominal value and demand and that probably will not be successfully sold on E-Bay, have been set aside for simpler disposal but still by fair public sales methods. Various assortments of the Club's recently attained donated and then surplus'd items have been sold at the silent auctions conducted at our Hamfests in 2019 and 2018, where the Club deducted the applicable sales tax from the winning bid price rather than add the sales tax on to the buyers cost. A pleasant situation occurred recently when one, if not two, hamfest attendees offered a one-price, take-it-or-leave-it-right-now, amount for some equipment before the close of the silent auction. We could not in good conscience change the rules in fairness to those who had and would be actively bidding on the same item(s). The prospective purchaser was encouraged to place his bid on the auction sheet (with a contact number) as others had, and then see how the offers proceeded. At the end of the auction, the winning bid was from the "one-price" buyer whose unbeaten offer was less than the on-the-spot price he originally proposed. Should BARS have held him to his first bargain? The Club retained its honor and reputation, and our patron retained the difference in his wallet.

The decision of the Board of Directors to respectfully not accept offers for privately arranged purchases of BARS property reflects our position to consider the best interests of BARS and its members and other stakeholders who rely on the Club as an organization to operate with the knowledge of all concerned constituents in an open and visible, even if less than an expedient and seemingly unaccommodating, unbiased and objective manner.

Schedule for Volunteer Examinations in 2021

Harry Spark/KN4S,*
Bluegrass Volunteer Examiners
kn4s@kn4s.com

The exam schedule for 2021 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**, ke4mai@arrl.net, 859-652-3393
(www.bluegrassars.org)
Danville - Liaison Harold Miller/AF6MB, 541-602-6535
, Wilderness Road ARC, <http://www.wrarc.com>
Georgetown - Liaison **Ron Malinowski/WX4GPS**,
wx4gps@arrl.net, 502-542-8252
WCARS VEC: Lexington - Liaison **Marguerite Williams/KE4MAJ**,
ke4maj@arrl.net, 859-489-6274 (www.bluegrassars.org)
W5YI VEC: Winchester - Liaison **Darrell Epperson/AC4YD**,
AC4YD@arrl.net, 859-771-1834

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

Date and Time	VEC	Location
Saturday, October 9, 2021 10:00 am (W5YI VEC) Pre-registration Required Further information, contact Darrell Epperson/AC4YD 859-771-1834 Pre-register here: https://hamstudy.org/sessions/ac4yd		Clark County Emergency Operation Center 200 Maryland Ave, Winchester KY 40391
Saturday, October 23, 2021 10:00 am (ARRL VEC) Pre-registration Required Sponsored by Wilderness Road Amateur Radio Club Further information, contact Harold Miller/AF6MB 541-602-6535 Pre-register here: https://hamstudy.org/sessions/600ee6cffa7c851aa96b7bd/1		American Legion Post 46 45 Spears Lane, Danville KY 40422
Tuesday, October 26, 2021 @ 6:00 pm (Laurel VEC) K4TG Laurel VE Team Further information - contact Brian Carter/KI4TLW 502-545-0376		Anderson County Health Dept 1180 Glensboro Rd, Lawrenceburg KY 40342

Contest Corral

October 2021

Check for updates and a downloadable PDF version online at www.arrl.org/contest-calendar.

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
Date-Time	Date-Time							
2	0600	3	0600	1.8-28	Oceania DX Contest, Phone	Ph	RS, serial	www.oceaniadxcontest.com
2	0600	3	1800	3.5-28	TRC DX Contest	CW Ph	RST, serial, "TRC" if member	trcdx.org/rules-trc-dx
2	0700	2	1000	3.5, 7	German Telegraphy Contest	CW	RST, LDK (if member)	agcw.de/index.php/en
2	1200	3	1159	1.8-28	Russian WW Digital Contest	Dig	RST(Q), oblast code or serial	www.rdrclub.ru
2	1300	2	1330	144	Two-Meter Classic Sprint	CW Ph	Serial, 4-char grid square	fwrc.info/2021/05/21
2	1600	3	1100	3.5, 7	International Hell-Contest	Dig	RST, serial	darc.de/der-club/referate/conteste
2	1600	3	2200	1.8-28	California QSO Party	CW Ph	Serial CA county or SPC	www.cqp.org/Rules.html
2	1800	3	1800	All	SKCC QSO Party	CW	RST, SPC, name, 4-char grid	www.skccgroup.com
3	0500	3	2300	3.5-28	RSGB DX Contest	CW Ph	RS(T), serial	www.rsgbcc.org/hf
3	0600	3	0900	3.5	UBA ON Contest, SSB	Ph	RS, serial, ON Section (if ON)	uba.be/en/hf/contest-rules
3	2200	3	2359	3.5-14	Peanut Power QRP Sprint	CW Ph	RS(T), SPC, peanut nr or power	nogaqrp.org/PeanutPower
4	1900	4	2030	3.5	RSGB 80-Meter Autumn Series, CW	CW	RST, serial	www.rsgbcc.org/hf
5	0100	5	0300	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
6	1700	6	2000	144	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
6	1900	6	2300	432	432 MHz Fall Sprint	CW Ph Dig	4-char grid square	svhfs.org
6	2000	6	2100	3.5	UKEICC 80-Meter Contest	Ph	6-char grid square	ukeicc.com/80m-rules.php
7	1700	7	2000	3.5	SARL 80-Meter QSO Party	Ph	RS, serial, grid locator	www.sarl.org.za
7	1700	7	2100	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid	nrrlcontest.no
7	1900	7	2100	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
8	1400	9	0200	All	YLRL DX/NA YL Anniversary Contest	CW Ph Dig	Serial, RS(T), SPC	ylrl.org/wp/dx-na-yl-contest
9	0000	9	2359	1.8-28	QRP ARCI Fall QSO Party	CW	RST, SPC, mbr or power	qrparci.org
9	0000	10	1559	3.5-28	Makrothen RTTY Contest	Dig	4-char grid square	www.pl259.org/makrothen
9	0300	10	2100	1.8-UHF	Nevada QSO Party	CW Ph Dig	RS(T), NV county or ARRL section	nvqso.com/contest-rules
9	0600	10	0600	1.8-28	Oceania DX Contest, CW	CW	RST, serial	www.oceaniadxcontest.com
9	0800	9	1400	902 and up	Microwave Fall Sprint	CW Ph Dig	6-char grid square	svhfs.org
9	1200	10	1200	3.5-28	Scandinavian Activity Contest, SSB	Ph	RST, serial	www.sactest.net
9	1200	10	2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
9	1500	10	0500	1.8-144	Arizona QSO Party	CW Ph Dig	RS(T), AZ county or SPC	www.azqp.org
9	1600	10	0400	144-432	Cosack's Honor VHF/UHF Contest	CW Ph Dig	RS(T), serial, 6-char grid	cshonor-vhf.ho.ua/eng1.html
9	1600	10	2200	1.8-UHF	Pennsylvania QSO Party	CW Ph	Serial, PA county or ARRL section	paqso.org
9	1800	10	1800	1.8-144	South Dakota QSO Party	CW Ph Dig	RS(T), SD county or SPC	www.sdqso.org
9	2000	10	2000	1.8	160-Meter Great Pumpkin Sprint	Dig	RST, SPC	www.podxs070.com
10	0001	10	2359	28	10-10 International 10-10 Day Sprint	CW Ph Dig	Name, mbr or "0," SPC	www.ten-ten.org
10	0600	10	0900	3.5	UBA ON Contest, CW	CW	RST, serial, ON Section (if ON)	uba.be/en/hf/contest-rules
11	0000	11	0200	1.8-28	4 States QRP Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
13	0030	13	0230	3.5-14	NAOCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
13	1700	13	2000	432	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
13	1900	13	2030	3.5	RSGB 80-Meter Autumn Series, Data	Dig	RST, serial	www.rsgbcc.org/hf
16	0000	17	2359	3.5-28	JARTS WW RTTY Contest	Dig	RST, age of operator	jarts.jp/rules2021.html
16	0001	17	2359	28	10-10 International Fall Contest, CW	CW	Name, mbr or "0," SPC	www.ten-ten.org
16	1400	17	0200	All	New York QSO Party	CW Ph Dig	RS(T), NY county or SPC	www.nyqp.org
16	1500	17	1459	3.5-28	Worked All Germany Contest	CW Ph	RS(T), DOK or "NM" or serial	darc.de/der-club/referate/conteste
16	2000	16	2359	1.8-7, 21-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
16	2130	16	2230	7	Argentina National 7 MHz Contest	Ph	RS, 2-digit year first licensed	www.lu4aa.org
17	0000	17	0200	14, 21	Asia-Pacific Fall Sprint, CW	CW	RST, serial	jsfc.org/apsprint
17	0700	17	1000	144	UBA ON Contest, 2 Meters	CW Ph	RS(T), serial, ON Section (if ON)	uba.be/en/hf/contest-rules
17	1700	18	0100	1.8-144	Illinois QSO Party	Ph	RS(T), IL county or SPC	www.w9awe.org/ilqp
17	1900	17	2030	3.5	RSGB RoLo CW	CW	RST, previous 6-char grid received	www.rsgbcc.org/hf
17	2300	18	0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpcontest.com/pigrun
18	1300	22	2359	All	ARRL School Club Roundup	CW Ph	RS(T), Class (I/C/S), SPC	arrl.org/school-club-roundup
18	1900	18	2030	3.5-14	RSGB FT4 Contest Series	Dig	4-char grid square	www.rsgbcc.org/hf
20	1900	20	2030	3.5	AGCW Semi-Automatic Key Evening	CW	RST, serial, year first used a bug	alt.agcw.de/index.php/en
23	0000	24	2359	2.3 GHz and up	ARRL EME Contest	CW Ph Dig	Signal report	arrl.org/eme-contest
23	1200	24	1200	3.5-28	UK/EI DX Contest, SSB	Ph	RS, serial, District Code (if UK/EI)	ukeicc.com/dx-contest-rules.php
23	1500	24	1500	1.8	Stew Perry Topband Challenge	CW	4-char grid square	www.kkn.net/stew
24	0000	24	0400	3.5-14	North American SSB Sprint Contest	Ph	Other's call, your call, serial, name, SPC	ssbsprint.com/rules
24	1400	27	0800	1.8-144	Classic Exchange, CW	CW	Name, RST, SPC, radio model	www.classicexchange.org
24	1800	26	0300	1.8-UHF	Telephone Pioneers QSO Party	CW Ph Dig	Chapter nr or RS(T), name	www.tpqqso.com
27	0000	27	0200	1.8-50	SKCC Sprint	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
27	2000	27	2100	3.5	UKEICC 80-Meter Contest	CW	6-char grid square	ukeicc.com/80m-rules.php
28	1900	28	2030	3.5	RSGB 80-Meter Autumn Series, SSB	Ph	RS, serial	www.rsgbcc.org/hf
29	1600	29	2359	3.5-14	Zombie Shuffle	CW	RST, SPC, Zombie nr or area code, name	www.zianet.com/qrp
30	0000	31	2359	1.8-28	CQ Worldwide DX Contest, SSB	Ph	RS, CQ Zone	www.cqwww.com

There are a number of weekly contests not included in the table above. For more info, visit: www.qrpfoxhunt.org, www.ncccsprint.com, and www.cwops.org. 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 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.

American Red Cross

In the spirit of community service, and with thanks for the years of support.

The Bluegrass Amateur Radio Society, Inc., Board of Directors has agreed to starting a new program beginning January 2022. The Board has agreed that all donations made by club members to the American Red Cross, Bluegrass Chapter, through the BARS club, that they will match the total amount given by the club members, up to a total of \$1,200.00 for the year.

Additional information on how to participate in this program, will be published later.

We the people are the rightful masters of both Congress and the courts, not to overthrow the Constitution but to overthrow the men who pervert the Constitution.

-Abraham Lincoln

Program Schedule for 2021

Brad James, WA4HBM, Chair, Program Committee
Bluegrass ARS, Lexington, Kentucky

The following programs are scheduled for 2021. Your input and suggestions for programs for 2021 are needed. Call Brad James at 859-293-5893 or e-mail at sophie16@twc.com/.

Month	Topic	Presenter(s)	Comments
✓ January	"Winter Field Day" January 30-31, 2021	David Richardson/W9KHZ	
✓ February	cancelled due to virus		
✓ March	SkyWarn Presentation byway of ZOOM	Brad James	see zoom notice page 19
✓ April	DBJ-1 and DBJ-2 antenna	Ed Fong	zoom meeting see page 6
✓ May	Zoom meeting May 3, 2021 7:30 pm	see page 4	
✓ June	cancelled due to virus	Field Day June 26-27, 2021	
✓ July	NOT DETERMINED		
✓ August	Hamfest cancelled General Meeting Cancelled		Zoom meeting Aug. 2, 2021
✓ September	Annual Family Picnic September 13, 2021		
✓ October	CANCELLED DUE TO VIRUS	ZOOMING OCT. 4, 2021, 7:30pm	
November	NOT DETERMINED		
December	Election	Brad James	

25 years ago in BARS, OCTOBER 1996/Chris Gay KU4A

In a much shorter-than-normal newsletter, members were advised that the FCC's Vanity Call Sign Program gate 2 (for holders of Extra class licenses) will open on September 23, 1996. FCC Form 610-V required a \$30 fee.

Fernie KE4MAI and Margie KE4MAJ Williams announced the club station would be used to operate the ARRL 10m contest and those interested in operating should contact them.

Steve McCallum, W2ZBY wrote an article about the new BARS sport shirts with "Bluegrass Amateur Radio Society" emblazoned on the front, and "amateur radio" on the back. Members can also get their callsigns and names printed as well. Embroidered versions were \$28, silk-screened were \$23. Steve took orders at meetings, and via phone or e-mail.

Alan Stephens, N5AIT wrote an article about the upcoming "1996 Fall Classic Radio Exchange", in which use of vintage gear is encouraged. In fact, the age of the equipment used was a multiplier, meaning the older the equipment the bigger the score.

The program at the October club meeting was slated to be on the topic of VHF/UHF Digital, although a presenter had not been identified as of press time.

COVER QST OCTOBER 1996



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 Harold Miller/AF6MB, harod.p@miller.org, 541-602-6535, 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 9:00 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 - Suspended for the time

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-Mason County EOC (station call KY4MME on QRZ). 668 Kenton Station Road, Maysville, KY 41056.

Pioneer ARC (Winchester) - Fourth Tuesday each month, Golden Corral Restaurant, 7:00 PM (eat at 6:00), except March 17 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.

District 9 ARES Net Thursdays with early check-ins starting around 6:45 PM ET and the formal net starting at 7:15 PM ET on 147.180(+) PL 74.4 and 146.745(-) PL 100 [both in London]; 146.835(+) TSQ 100 [Pineville]; 224.960(-) TSQ 203.5 [Pine Mountain]; 442.850(+) PL 103.5 [Cumberland Gap] and 444.250(+) TSQ 107.2 [Black Mountain]. The net is also available on the following VOIP connections: EchoLink KE4GJG-R, KK4MJZ-R, WA4ROB-L, KK4WH-R, WA4ROB-R, or AF4Y-R; YSF node 75056, DMR TG 312128 and Hamshack Hotline Extension 94031

Cumberland Valley VOIP Weather Net each Sunday starting at 8 PM ET on 147.180(+) PL 74.4 and 146.745(-) PL 100 [both in London]; 146.835(+) TSQ 100 [Pineville]; 224.960(-) TSQ 203.5 [Pine Mountain]; 442.850(+) PL 103.5 [Cumberland Gap] and 444.250(+) TSQ 107.2 [Black Mountain]. The net is also available on the following VOIP connections: EchoLink KE4GJG-R, KK4MJZ-R, WA4ROB-L, KK4WH-R, WA4ROB-R, or AF4Y-R; YSF node 75056, DMR TG 312128 and Hamshack Hotline Extension 94031

Please send any changes or corrections to these notices to my attention, Bart Breeding/KB4FEE, in care of Bluegrass ARS, Inc., PO Box 13206 Lexington, KY, or e-mail to KB4FEE@arrl.net

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.

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Emergency Preparedness (Liaison Bluegrass ARS with LFUCG DEM)

Hamfest David Richardson/W9KHZ (859) 983-1380 (daveinlex3@gmail.com)

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Volunteer Examinations Fernie Williams/KE4MAI (859) 652-3393 (ke4mai@arri.net)

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Library Chris Gay/KU4A (859) 299-9383 (ku4a@yahoo.com)

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Lexington, KY 40511

859-644-2216

KB4FEE@arri.net

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 2021

Sat	2	Shack closed; Open Rag chew Net 9:00 am 146.760 neg offset no PL tone;
Sun	3	Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater);
Tue	5	Amateur Swap Net 145.370 (T-192.8) 8:00 PM; "Casual Communicators Net," 9:00 PM Eastern 443.325+ MHz; Fayette County ARES Net 8:30 pm on the 146.940 repeater with a PL tone of 88.5;
Wed	6	Open Rag chew Net 8:00 pm 146.760 neg offset no PL tone; 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	7	Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.; District 9 ARES Net Thursdays with early check-ins starting around 6:45 PM ET and the formal net starting at 7:15 PM ET on 147.180(+) PL 74.4 and 146.745(-) PL 100 [both in London]; 146.835(+) TSQ 100 [Pineville]; 224.960(-) TSQ 203.5 [Pine Mountain]; 442.850(+) PL 103.5 [Cumberland Gap] and 444.250(+) TSQ 107.2 [Black Mountain]. The net is also available on the following VOIP connections: EchoLink KE4GJG-R, KK4MJZ-R, WA4ROB-L, KK4WH-R, WA4ROB-R, or AF4Y-R; YSF node 75056, DMR TG 312128 and Hamshack Hotline Extension 94031, PL 100; Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);
Sat	9	Shack closed; Open Rag chew Net 9:00 am 146.760 neg offset no PL tone;
Sun	10	Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater);
Tue	12	Amateur Swap Net 145.370 (T-192.8) 8:00 PM; "Casual Communicators Net," 9:00 PM Eastern; Fayette County ARES Net 8:30 PM 146.940 with a PL tone of 88.5
Wed	14	Open Rag chew Net 8:00 pm 146.760 neg offset no PL tone; 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	15	Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.; District 9 ARES Net Thursdays with early check-ins starting around 6:45 PM ET and the formal net starting at 7:15 PM ET on 147.180(+) PL 74.4 and 146.745(-) PL 100 [both in London]; 146.835(+) TSQ 100 [Pineville]; 224.960(-) TSQ 203.5 [Pine Mountain]; 442.850(+) PL 103.5 [Cumberland Gap] and 444.250(+) TSQ 107.2 [Black Mountain]. The net is also available on the following VOIP connections: EchoLink KE4GJG-R, KK4MJZ-R, WA4ROB-L, KK4WH-R, WA4ROB-R, or AF4Y-R; YSF node 75056, DMR TG 312128 and Hamshack Hotline Extension 94031, PL 100; Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);
Sat	16	Shack closed; Open Rag Chew Net 9 am 146.760 neg offset and no PL tone;
Sun	17	Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater);
Tue	19	Amateur Swap Net 145.370 (T-192.8) 8:00 PM; "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz. KY-QRP Net suspended; Fayette County ARES Net at 8:30 PM on the 146.940 repeater and PL Tone of 88.5,
Wed	20	Open Rag chew Net 8:00 pm 146.760 neg offset no PL tone; 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	21	Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.; District 9 ARES Net Thursdays with early check-ins starting around 6:45 PM ET and the formal net starting at 7:15 PM ET on 147.180(+) PL 74.4 and 146.745(-) PL 100 [both in London]; 146.835(+) TSQ 100 [Pineville]; 224.960(-) TSQ 203.5 [Pine Mountain]; 442.850(+) PL 103.5 [Cumberland Gap] and 444.250(+) TSQ 107.2 [Black Mountain]. The net is also available on the following VOIP connections: EchoLink KE4GJG-R, KK4MJZ-R, WA4ROB-L, KK4WH-R, WA4ROB-R, or AF4Y-R; YSF node 75056, DMR TG 312128 and Hamshack Hotline Extension 94031, PL 100; Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);
Sat	23	Shack closed; Open Rag Chew Net 9 am 146.760 neg offset and no PL tone;
Sun	24	Television & Specialized Communications Net, 9:00 PM (146.760 Repeater)
Tue	26	Amateur Swap Net 145.370 (T-192.8) 8:00 PM; "Casual Communicators Net," 9:00 PM Eastern, KY-QRP Net suspended; Fayette County ARES Net 8:30 PM 146.940 with a PL tone of 88.5
Wed	27	Open Rag chew Net 8:00 pm 146.760 neg offset no PL tone; 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	28	Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.; District 9 ARES Net Thursdays with early check-ins starting around 6:45 PM ET and the formal net starting at 7:15 PM ET on 147.180(+) PL 74.4 and 146.745(-) PL 100 [both in London]; 146.835(+) TSQ 100 [Pineville]; 224.960(-) TSQ 203.5 [Pine Mountain]; 442.850(+) PL 103.5 [Cumberland Gap] and 444.250(+) TSQ 107.2 [Black Mountain]. The net is also available on the following VOIP connections: EchoLink KE4GJG-R, KK4MJZ-R, WA4ROB-L, KK4WH-R, WA4ROB-R, or AF4Y-R; YSF node 75056, DMR TG 312128 and Hamshack Hotline Extension 94031
Sat	30	Shack closed; Open Rag chew Net 9:00 am 146.760 neg offset no PL tone;
Sun	31	Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater);