



ARRL Standard



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# QUA/HAMnews

SEPTEMBER  
2021

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Published and Distributed Monthly by the

Bluegrass Amateur Radio Society, Inc.  
P.O. Box 13206, Lexington, Kentucky 40583-3206  
Club Station K4KJQ  
MARS STATION



K4KJQ  
146.160/.760

Glenn E. Welman/KF4NB  
Memorial BBS  
145.010 and 145.090

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E-mail: [bluegrassars@hotmail.com](mailto:bluegrassars@hotmail.com)

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

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

**September General Membership meeting is the Annual club picnic. The picnic will be held on the 13th of September 2021 at shelter #2 Shillito Park.**



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

September 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 September will be the annual picnic held on September 13th, 2021, at shelter #2 Shillito Park. Picnic starts around 5 pm and food around 6 pm,

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.**

**BARS ANNUAL  
FAMILY PICNIC  
SEPTEMBER 13, 2021  
SHELTER #2  
SHILLITO PARK  
see map on page 5**

The BARS Board of Directors met Monday, August 16th in the BARS Education Center in the American Red Cross building. President Brad James called the meeting to order at 7:02 PM.

Board members present were:

President Brad James (RBJ) WA4HBM

First Vice-President Robert Brown (RB) KI4JWK

Second Vice-President David Richardson (DR) W9KHZ

Treasurer Bart Breeding (BB) KB4FEE

Director-at-large Jewell Vest (JV) KO4EPJ

Director-at-large Tim Kunkel (TK) KF4MPM

This constituted six of the full seven-member board.

Secretary Chris Gay (CG) KU4A was present via telephone but was not eligible to make motions, second motions or vote.

Others present were:

Harvey Frye AA4HF

Barry Jackson WB4N

Jim Schings AI4SR

#### TREASURER'S REPORT

The treasurer's report was read. BB moved, JV seconded, that the report be accepted. Passed by board.

#### SECRETARY'S REPORT

no report

#### PERMANENT COMMITTEE REPORTS

Audit Committee - CG chair

no report

Executive Committee - RBJ chair

no report

Finance Committee - BB chair

no report

#### HIGH PRIORITY OLD BUSINESS

On the topic of shack refurb, DR as Shack Manager reported that he had been in touch with his Red Cross liaison about the possibility of BARS being able to use a closet in the basement of the building.

BB reported that the Technician license class was underway on Wednesday nights. There are 10 students, and 10 study guides have been sold. There are 8 students doing the class in-person, and two doing it remotely online.

(continued on page 4)

## LINK TO BY-LAWS

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

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

The September 2021 General Membership is traditionally the Annual Family Picnic. This year it will be held on September 13, 2021, at shelter #2 Shillito Park.

No normal club business.

This is a time to relax, enjoy a summer evening and fellowship with friends and family.

All members are invited, bring your family. Food will be provided. Our great "Grill Master" Bill DeVore will be cooking up hot dogs, hamburgers and BRATS.

EVERYONE COME AND ENJOY A GREAT EVENING TOGETHER

## 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

**"On matters of style, swim with the current, on matters of principle, stand like a rock." — Thomas Jefferson**

(continued from page 2, August Director's Meeting)

DR moved, seconded by BB, that the club allow some of the surplus equipment to be sold at a silent auction in the Education Center on a date to be determined in the future due to the COVID-19 situation. Passed by board.

RBJ, as chair of the outreach committee, told the board members that they had until the picnic to finish making their telephone calls for the club survey. RBJ will be forming a committee to prepare for and conduct the drawing for the two Cracker Barrel gift cards at the picnic.

On the subject of finding a chair for the nominating committee, RBJ said that he would first like to contact Roger Colvin, KJ4YSY about it.

At his own expense, DR had had some stickers made with the BARS logo and said they turned out pretty good. He plans to discuss with the board at a later date, other ideas for BARS logo merchandise.

Having received a suggestion from a member that we consider the use of Google Meet instead of Zoom for our video conferences, RB and CG will be investigating that software.

#### HIGH PRIORITY NEW BUSINESS

RBJ reported that the BARS annual picnic is currently scheduled for September 13th at Shillito Park. Bill DeVore, N4DIT, will be in charge. It is certainly possible that COVID-19 considerations will require the picnic to be cancelled, but current plan is to have it.

RBJ requested that DR report to the board a summary of the status of shack equipment operability. DR said everything in the shack is working to his knowledge. Antennas that are not on the tower are all working properly. Antennas that are on the tower are currently not hooked up as it will be necessary to run coax and attach connectors.

CG had mailed all board members a first draft of a Standard Operating Procedures document for the club last week. He advised the board members of different ways to contact him concerning additions and revisions.

JV had been in contact with DX Engineering about presenting club programs on Zoom. He is going to see if they would like to make presentations at our October and/or November meetings.

Jim Schings, AI4SR has volunteered to review the club's web site to see if it can be improved/enhanced.

DR reported that within a couple weeks he plans to start a workshop for members to build Yagi antennas that would be useful for fox hunting. He will be broadcasting details shortly.

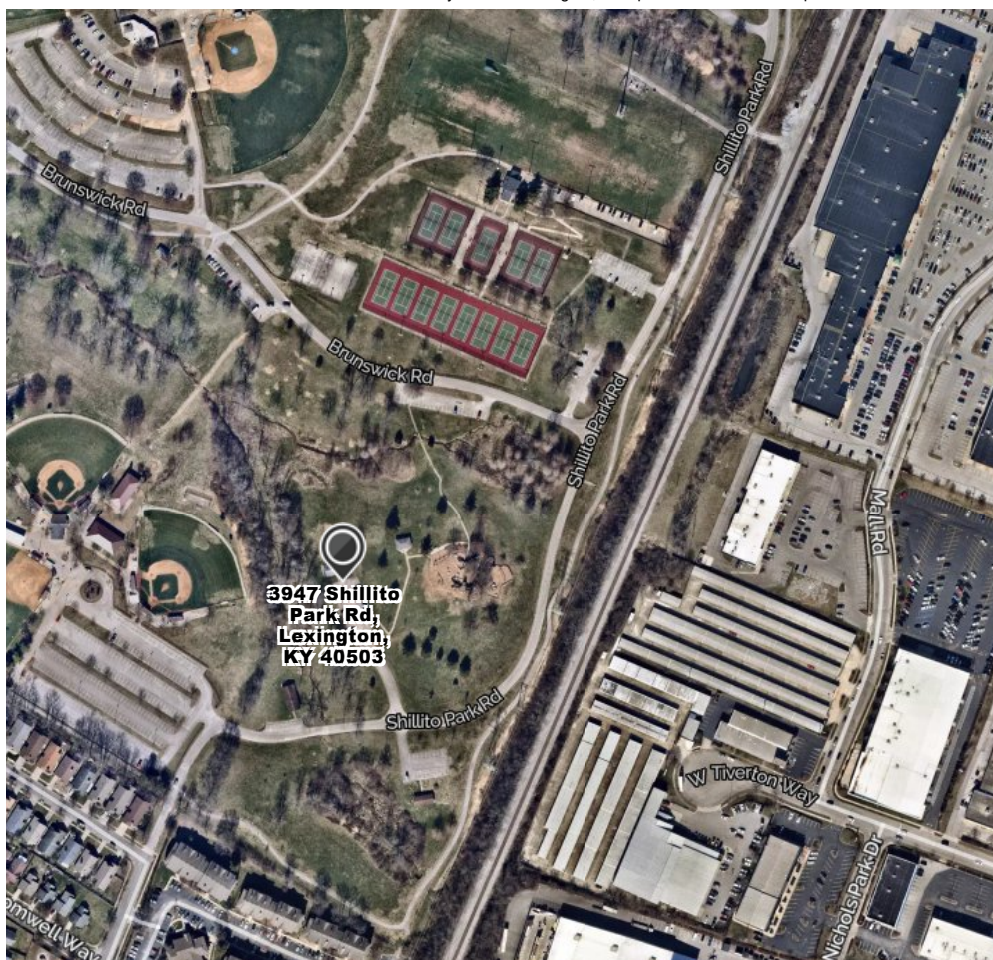
Jim Schings is investigating various kits that could be built during workshops in the shack (probably on Saturdays). More details will be forthcoming.

BB moved, seconded by DR, that the meeting be adjourned. Passed by board at 7:45 PM.



23/2021

Shillito Park 300 W Reynolds Rd Lexington, KY Sports Recreational - MapQuest



Take New Circle Rd. to Nicholasville Rd, go out bound toward the mall, just before the mall, take Reynolds Rd. go under the overpass and take the first left on Shillito Park road (fire station is on your left) follow the road to the playground (it will be on your right) just past the playground turn right. Shelter #2 sits back off the road and parking lot is in front. Most likely you will see a bunch of cars with antennas on them. That should be the picnic shelter. Someone will be monitoring the 146.760 mhz repeater.

### 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.**





## Tools

- PVC cement
- Epoxy cement
- Large wire cutter
- Hacksaw or PVC cutting tool
- Soldering iron and solder
- Electric drill and a selection of bits

## Materials

- 72-inch length of 3/4-inch PVC plumber's pipe.
- 3/4-inch PVC T-connector.
- Three 40-inch (minimum length) steel welding rods or brass "hobby" rods. Thirty-six-inch rods can also be used. See text.
- Two copper split bolts.

**H**ere's an antenna that will give any 2-meter transceiver — even a handheld — a substantial boost. Not only will your signal be louder at the receiving end, the signals you hear will be louder as well.

This type of antenna is known as a *Yagi*, or technically a "Yagi-Uda." It was invented in 1926 by Shintaro Uda and Hidetsugu Yagi. Their novel antenna revolutionized communication technology, and it's still in use almost 100 years later.

This antenna is a three-element Yagi. It's really nothing more than a half-wavelength dipole antenna (the *driven element*) mounted between two other elements known as the *reflector* and the *director*. Typically, the reflector element is about 5% longer than the driven element, and the director is 5% shorter. The reflector and director shape the energy in a particular direction. By focusing the radio energy in this way, you concentrate the power in the direction you desire (just like a spotlight). You'll notice that this antenna is vertically polarized. This is best for FM work. (For more about antenna polarization, see "Why Antenna Polarity Matters," in the November/December 2020 issue of *On the Air*.)



## Construction

### Step 1

For a diagram of this antenna, see Figure 1 on page 25. Using a saw or PVC cutting tool, cut two 18-inch lengths of the PVC pipe. These will become the boom pieces. The remaining 36-inch piece will be used as a mast (see ①).

Attach the boom and mast pipes at the PVC T joint. We used PVC cement for this purpose. (Follow the instructions provided by the cement manufacturer.) However, you could also use stainless-steel screws if you want an antenna that can be easily disassembled.

### Step 2

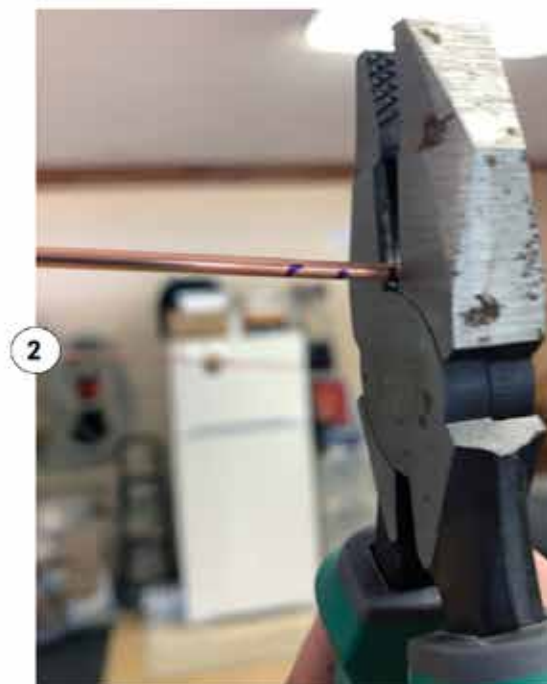
The elements of the antenna can be made from steel welding rods. You'll find these for sale at most home and hardware stores. Hobby stores often carry brass rods that are suitable, too (see ②).

Using a large wire cutter or a hacksaw, cut the director and reflector elements to the lengths shown in Figure 1: 35 inches for the director and 40 inches for the reflector. If you can't find a 40-inch rod for the reflector, don't worry. You can attach small pieces at the ends to achieve the total length. We'll discuss this in Step 5.

### Step 3

Drill a hole all the way through the boom at a point about 1/2-inch from one end. Now use a yardstick to draw a straight line from one of these holes along the boom to a point 1/2 inch from the opposite end. Look along the length of the boom and make sure this line is straight. Mark the end of the line and drill a hole through the boom here as well. Take care when drilling these holes; you want them to be aligned with each other as closely as possible. Choose a hole size that offers a snug fit when you push the rods through.

After drilling, slide the director element through the holes, moving the rod back and forth until you have an equal length on each side of the boom (see ③). Use epoxy cement to hold it in place. Do the same with the reflector element.



*Continues on following page.*





## PROJECT BUILD

## Step 4

To construct the driven element, measure and mark the boom about 16 inches from the reflector. Drill two holes about 1/8 to 1/4 inch apart. Cut two rods, both 20 inches in length. Push the rods through the holes until 1/4 inch protrudes from each side of the boom (see 4A). In 4B, you'll see that we used two black tie wraps as temporary stabilizers, but these are optional. We are also using alligator clips to make temporary connections between the coaxial cable and the driven element. These are optional as well.

## Step 5

At this point, if you couldn't locate a 40-inch rod for the reflector, use the split bolts to attach equal lengths of rod to both ends of this element to achieve the proper length (see 5). Split bolts are commonly available from hardware and home stores. Alternatively, you can solder the pieces to the reflector. Just make sure the overall length is 40 inches.

## Tuning and Mounting the Antenna

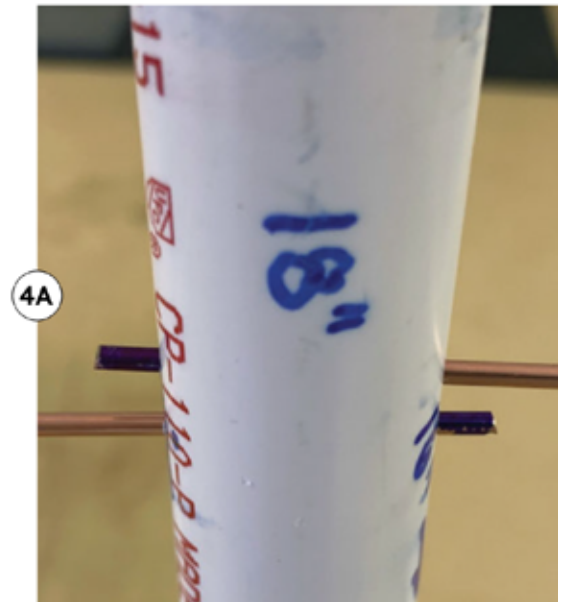
Now it's time to tune the antenna for the lowest standing wave ratio (SWR). If your transceiver has an RF power output indicator and it indicates full output when you transmit into this antenna, chances are the SWR is reasonably low. On the other hand, if your transceiver indicates that it is reducing its output when you transmit, it probably means that your SWR is too high.

Even if you believe your SWR is adequate, it never hurts to be sure. If your 2-meter transceiver has a built-in SWR meter, you can use it during this step to adjust the antenna for the lowest possible SWR. Unfortunately, most FM transceivers lack SWR meters, so you'll need to either (A) acquire a VHF SWR meter, or (B) purchase or borrow a VHF antenna analyzer. An antenna analyzer offers the easiest approach to tuning any antenna, and we'll talk more about these devices in an upcoming issue of *On the Air*.

When measuring the SWR, make sure the antenna is being held aloft, preferably at least 6 feet off the ground (see 6). You'll likely find that the lowest SWR will occur at the low end of the 2-meter band, at or below 144 MHz. If this is the case, trim 1/4-inch from the ends of both driven element rods and measure again. Keep measuring and trimming (in equal lengths) until you get the lowest SWR at about 146 MHz.

Finally, remove the temporary alligator clips and solder the outer braid of the coaxial cable to one side of the driven element that protrudes slightly near the boom. Solder the center conductor to the other section of the driven element, also near the boom. It doesn't matter which part of the coaxial cable is soldered to which side.

For portable use, almost any coaxial cable will do. For permanent applications, or situations where the length of cable between the antenna and your radio is greater than 15 feet, use a low-loss cable such as LMR-400 or LMR-240.



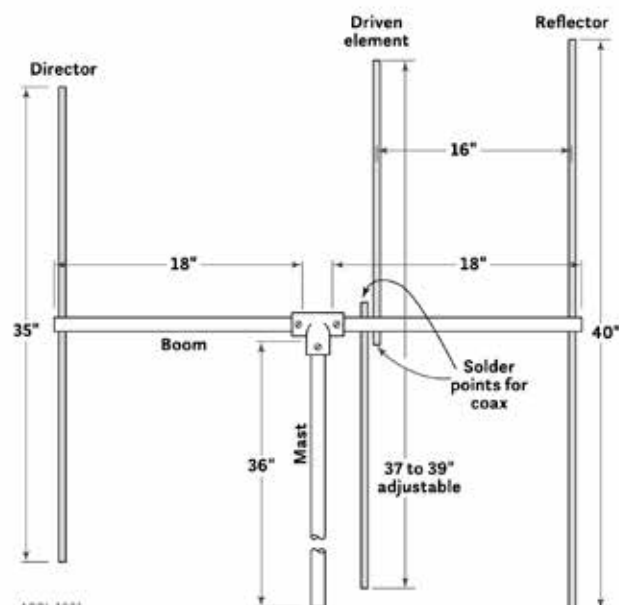


Figure 1: The assembly diagram of the three-element 2-meter Yagi antenna.

<https://edition.pagesuite-professional.co.uk/html5/reader/production/default.aspx?pubname=&-pubid=2b55b7de-280c-4770-b209-5aafb264d669>

# Winlink — Amateur Radio's Email Network

**I**magine you're a ham who has been tasked with providing communication to an American Red Cross shelter in an area devastated by a hurricane. While traditional voice communication can be important in these situations, critical information today travels more often by email. Agencies such as the American Red Cross and many others have come to depend upon internet email as their primary means of exchanging information with support facilities that may be tens or hundreds of miles away — or even farther.

But there is a problem in our imaginary situation. The hurricane has destroyed the commercial communications infrastructure. Email is useless because a connection to the internet doesn't exist. Now what do you do?

## Bridging "the Last Mile"

While the internet may be unavailable inside the disaster zone, if you travel far enough beyond the affected area, you'll discover that the internet is still very much alive. Your challenge will be to bring internet access *into* the disaster zone so that support personnel at the shelter can communicate effectively. In telecommunications this is sometimes called a *last-mile* solution. It means using wireless technology to span whatever gaps may exist between the nearest access point on a commercial network and the area where the network connection is most needed.

Fortunately, hams have a number of last-mile solutions in their public service toolkits. Among the most popular of these is a wireless network known as *Winlink*.

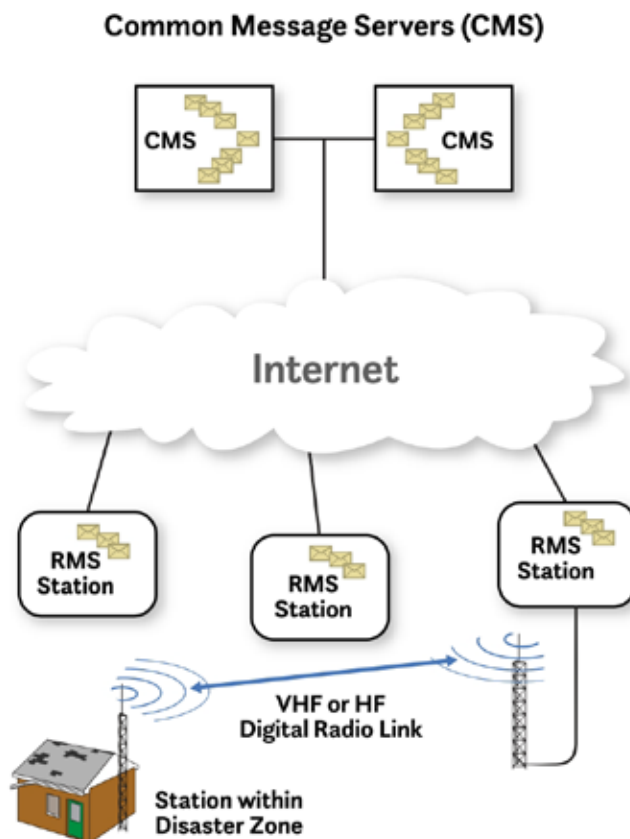


Figure 1: The Winlink network consists of Common Message Servers (CMSs) that are connected via the internet to hundreds of Remote Message Servers (RMSs) at ham stations throughout the world. You can access a Remote Message Server by radio and use it to send emails to and from the internet. [ARRL 1977]

## The Winlink Network

Winlink is an amateur radio network that supports wireless email communication to and from the internet. It was designed and built by hams, and it is maintained by hams.

At the core of Winlink are computers known as *Common Message Servers*, or CMSs (see Figure 1). These computers reside in secure, protected facilities, safe from hackers or other disruptions. They connect to the internet through high-speed fiber-optic cables. The CMSs send, receive, and store email messages traveling to and from the internet.

CMSs are also connected via the internet to *Remote Message Servers*, or RMSs, at amateur radio stations around the world (see Figure 2). RMS stations are also referred to as *gateways*.



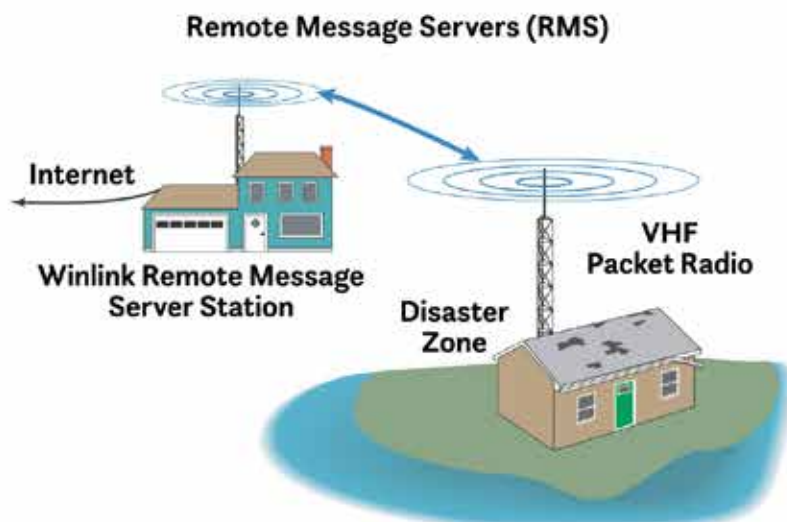


Figure 3: Using VHF packet radio to connect to an RMS station outside a disaster area. [ARRL 1978]

Every RMS, regardless of where it is located, has access to all email traffic stored at the CMSs. This means that if one RMS goes offline for some reason, users can still retrieve their messages by simply connecting to a different RMS. Putting it a different way, what one RMS "knows," all the others know as well.

An RMS station acts as the last-mile connection to the "client" — that's you. It can communicate with you by VHF packet radio (a form of digital communications), or it may be able to link to you

on HF frequencies using other digital systems, such as PACTOR.

Let's say there is an RMS station just outside the disaster zone, and you can reach it on VHF. By using packet radio and your FM transceiver, you can connect to the RMS and provide internet email access to the staff at your shelter. They can use your amateur radio connection to send vital information to their headquarters and other facilities (see Figure 3). Read "Packet Radio and the Terminal Node Controller" in this issue to learn more about packet radio.

#### Live System Information



Figure 2: A map of all Winlink Remote Message Server (RMS) stations within the US, Canada, and Central America that can be accessed by VHF packet radio.

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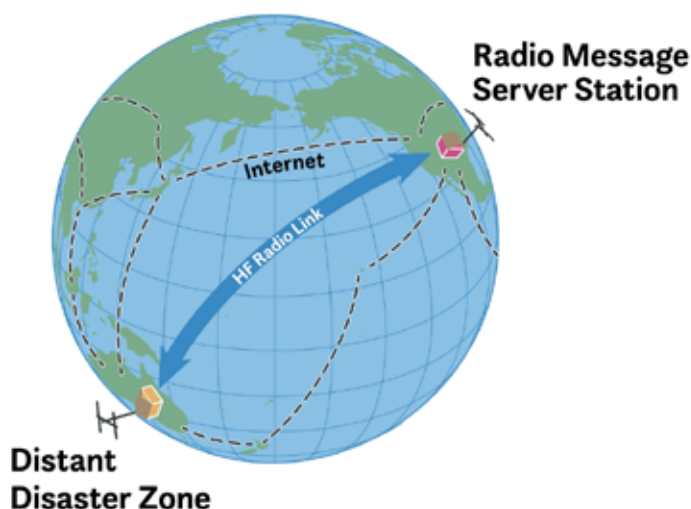


Figure 4: When disasters strike isolated areas, hams use HF frequencies to access Winlink RMS stations over hundreds or even thousands of miles. [ARRL 1979]

But what if the nearest RMS is hundreds or even thousands of miles away? (This could occur if you are providing disaster support on an isolated island, for example.) With an HF transceiver and the appropriate hardware and software, you will be able to exchange emails with one of the many RMS stations that have HF digital capability (see Figure 4).

Because of the limitations of VHF and HF radio, Winlink emails must be limited in size to no more than 12 kilobytes. That's adequate for most text messages, but it cannot support images or other large files.

first time, you'll be asked to set up a Winlink account. The account, like the software, is free.

If you plan to access the network through VHF/UHF packet radio, *Winlink Express* can be set up to work with a packet radio *terminal node controller* (TNC) hardware device or software. As you'll discover elsewhere in this issue, a TNC makes it possible to communicate digitally using an ordinary FM transceiver.

By establishing a VHF link to your nearest RMS, you'll be ready to send and receive emails through the Winlink system.

To access an RMS on HF frequencies, you will need to use *Winlink Express* with an HF transceiver that is connected to a PACTOR modem. PACTOR is a type of digital communication used at HF frequencies. *Winlink Express* can also use software alternatives to PACTOR that require only an inexpensive interface between your radio and your PC.

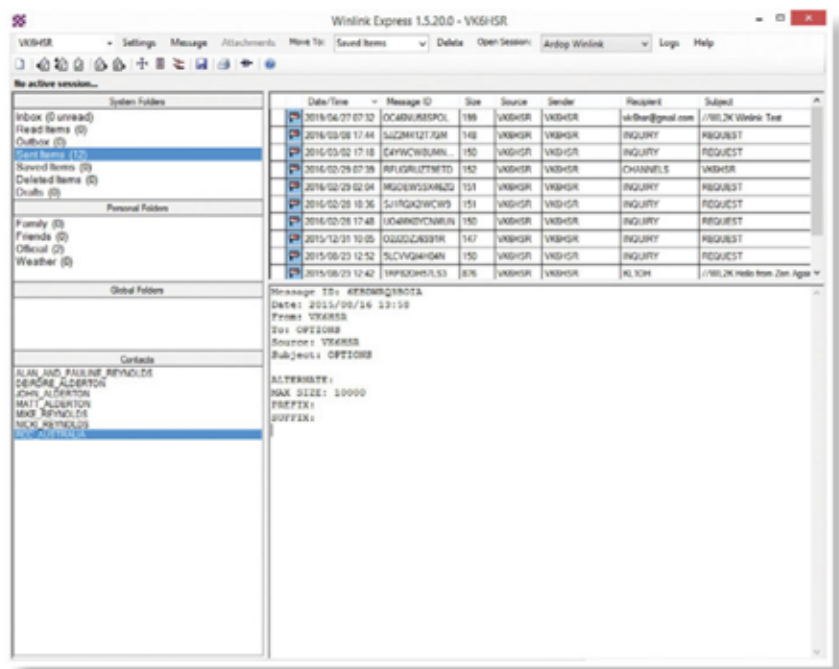
Winlink is a sophisticated, complex system, so you'll need to wade through a lot of specialized information and terminology. Fortunately, Winlink offers a wealth of information online in their "Book of Knowledge" at [winlink.org/content/winlink\\_book\\_knowledge](http://winlink.org/content/winlink_book_knowledge).

## What You Need to Access Winlink

The first thing you'll need is a copy of the *Winlink Express* software (see Figure 5), which you can download at [winlink.org](http://winlink.org). This is the preferred software for communicating with the Winlink network.

Install the software on a Windows computer that has internet access. When you start *Winlink Express* for the

Figure 5: An example of *Winlink Express* software.



<https://edition.pagesuite-professional.co.uk/html5/reader/production/default.aspx?pubname=&pubid=2b55b7de-280c-4770-b209-5aafb264d669>



## "One of My most remembered HF contact"

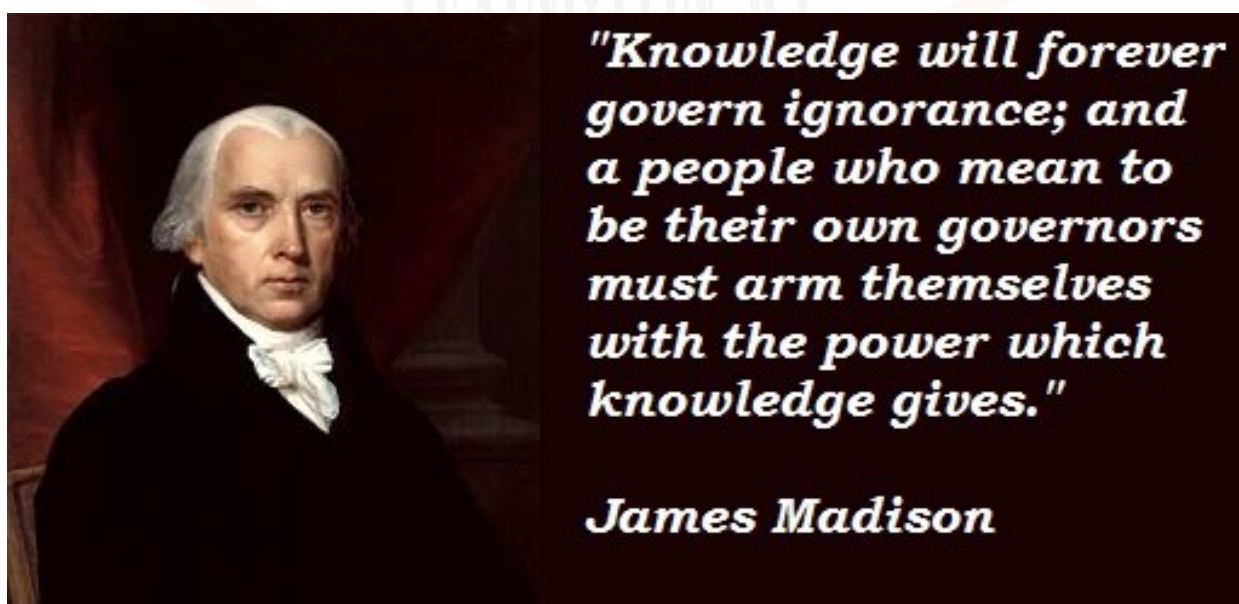
Jim Schings

In about 1992, one of the worst recorded Hurricanes hit Hawaii. One afternoon I received a phone call from friends in An Arbor, MI. They had some friends from HI visiting them and when they heard of the storms initial prediction's the wife decided to fly home early to make things were secure at the house. After she arrived the storm hit and devastated the island. The husband had lost all contact with her and was quite worried. My friends knew I was a Ham and wondered what I could do. I wasn't very hopeful, but said I would try.

With luck, I was able to make contact on the welfare 14.300 frequency with a Hotel emergency amateur radio station on one of the islands. I just left the ARS with the ladies name and her home address. I stayed and monitored traffic for awhile. In about 15 minutes the ARS called me back on 14.300. They checked a list of evacuees and found the lady was fine and actually bivouac 'd in THAT hotel's lobby! She let the ARS know their house was not destroyed and she was fine.

I called my friends back within an hour and let them know the news. They were amazed. (so was I.) One of my most memorable contacts .Use and edit as you see fit. BTW, I have another one that I am proud of. If you want it.

Jim AI4SR





# TAPE MEASURE 2M YAGI WORKSHOP

Saturday August 28, 2021  
Bluegrass Amateur Radio Society, Inc.

On Saturday August 28, 2021, the Bluegrass Amateur Radio Society, Inc. held a workshop on “How to build a Tape Measure 2 meter Yagi antenna. The workshop was lead by David Richardson with help from various members of he club.

The idea was to build a basic antenna that could be used to track various satellites. Also, the antenna build was in preparation for the “fox” hunt during the upcoming Annual BARS picnic. Numerous anennas were built with all leaving the “shack” with a working antenna.





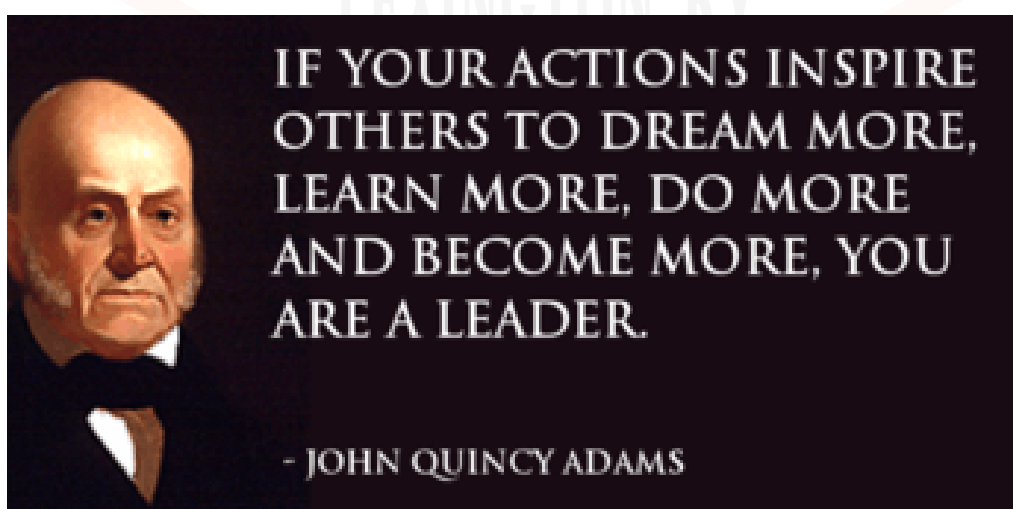




BLUEGRASS AMATEUR  
RADIO SOCIETY, INC.









**“There is nothing more corrupting, nothing more destructive of the noblest and finest feelings of our nature, than the exercise of unlimited power.” — William Henry Harrison (1773–1841)**

## Previous Winners of the Ernie Farmer Memorial Award

The following persons have previously been selected by their fellow Hams as possessing the characteristics listed in the Call for Nominations. You probably recognize many of the names and call signs because they are always there when needed and do not hesitate to get involved.

- |  |                                 |
|--|---------------------------------|
| 1979 - Sam Humphries/WA4KKV  | 2012 - Pete Clough/WD4GPO       |
| 1980 - William Alcock/W4CDA (Danville)   | 2013 - Pat Hayden/AI4W          |
| 1981 - Bill Shepherd/W4AUZ   | 2014 - Glenn A. Dawson/AK4HA    |
| 1982 - Mike Mahlbacher/WA4UQA  | 2015 - No nominations received  |
| 1983 - Ed Bono/WA4ONE, and<br>Harry Bradshaw/W4TPB (SK)  | 2016 - Joseph Wallace/KE6IVK    |
| 1984 - Bill DeVore/N4DIT   | 2017 - Christopher Gay/KU4A     |
| 1985 - Ed White/KD4TQ (SK)   | 2018 - David Richardson/W9KHZ   |
| 1986 - Scott Hackney/KI4LE   | 2019 - Bart Breeding/KB4FEE     |
| 1987 - Nan Muth/AA4UN, and<br>John Boyers/W8OM (Plain City, Ohio)  | 2020 - No nomination determined |
| 1988 - No nominations received   |                                 |
| 1989 - Bill Woodward/KC4CHF (SK), and<br>Jim Odom/WA4GHQ (now AC4FP, SK)                                   |                                 |
| 1990 - John Thernes/WM4T (Covington)   |                                 |
| 1991 - John Crutcher/KC4DUU  |                                 |
| 1992 - Bobby Rolph/KB4QNR  |                                 |
| 1993 - Ralph Herndon/KN4DF   |                                 |
| 1994 - Johnie Watson/KC4JNR (now NA4J) (SK Feb 2013)   |                                 |
| 1995 - Paul Mitchell/N4DUE   |                                 |
| 1996 - Bill Fuqua/KO4WW (now WA4LAV) and<br>Jim Muth/N4CGQ   |                                 |
| 1997 - Steve McCallum/K4URX (W2ZBY) (SK)   |                                 |
| 1998 - Harry Sparks/KN4S   |                                 |
| 1999 - None awarded  |                                 |
| 2000 - Ron Ritchie/KF4MOM  |                                 |
| 2001 - Ron Dodson/KA4MAP (Webster, Kentucky)<br>- James Craig McKechnie/KE4FFQ                             |                                 |
| 2002 - Lou Berry/AG4LB, and<br>Pat Spencer/KD4PWL  |                                 |
| 2003 - John Bell/K4RBH (Honorary Presentation, SK),<br>Fernie Williams/KE4MAI and<br>Jerry B. Young/WA4WWH |                                 |
| 2004 - Tom Mansfield/KG4TND  |                                 |
| 2005 - Darryl Bennett/KD4CSW   |                                 |
| 2006 - Greg Cross/WA8FJK   |                                 |
| 2007 - Margueritte Williams/KE4MAJ   |                                 |
| 2008 - Jeanie Dalton-Pugh/KB8QLC   |                                 |
| 2009 - No nominations received   |                                 |
| 2010 - No nominations received   |                                 |
| 2011 - Brad James/WA4HBM   |                                 |



# Countdown to W4DXCC

September 24th and 25th, 2021, Pigeon Forge, TN

Breaking News!

Hello Friends and Club Officials

Please pass along this W4DXCC Convention announcement to your club members and friends.

We are EXCITED to report that the W4DXCC DX and Contest Convention WILL hold it's 16th convention September 24-25th, 2021!!

We have an awesome group of presenters this year that I know will interest everyone.

Friday is the Ham Radio Bootcamp where we do our best to provide the knowledge to New and Experienced Hams alike.

Saturday is the main convention where we have numerous well known presenters, giving you the inside scoop on what is going on in amateur radio. Following each presentation we have time for questions if you would like to know more.

We have the leading radio and equipment manufacturers setup in the lobby with the latest gear for you to twist the knobs. More importantly you can have a one on one to ask questions about the gear with the company representative in a relaxed environment.

We have a fully operational Ham Shack setup where you can come learn and make QSO's in different modes.

It is time to make your Hotel reservations for this years convention. You can NOT make Online reservations for this event!

Call them on the phone at 865 428-8350 and be sure to tell them you are with W4DXCC to get the special rate.

Convention Registration will open soon including Online Ticket Purchasing. Coming Soon.

Check out the Website and learn about the W4DXCC DX and Contest Convention. Go Here [W4DXCC Convention](#) See you soon,

Dave Anderson, K4SV

Convention leader

[Dave@w4dxcc.com](mailto:Dave@w4dxcc.com)

Best 73

# Richmond Hamfest

Did you miss us in 2020? We sure missed  
you! Come see us in 2021  
Sept 18 2021

Sponsored by the  
Central Kentucky Amateur Radio Society  
September 18, 2021

8:00 AM – 1:00 PM (Eastern time)

## 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](mailto: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](mailto:ke4mai@arrl.net), 859-652-3393  
([www.bluegrassars.org](http://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](mailto:wx4gps@arrl.net), 502-542-8252  
WCARS VEC: Lexington - Liaison **Marguerite Williams/KE4MAJ**,  
[ke4maj@arrl.net](mailto:ke4maj@arrl.net), 859-489-6274 ([www.bluegrassars.org](http://www.bluegrassars.org))  
W5YI VEC: Winchester - Liaison **Darrell Epperson/AC4YD**,  
[AC4YD@arrl.net](mailto:AC4YD@arrl.net), 859-771-1834

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

Date and Time	VEC	Location
Saturday, September 11, 2021 12:00 pm (ARRL VEC) Pre-registration Required Further information, contact Ron Malinowski/WX4GPS 502-542-8252 Pre-register here: <a href="https://hamstudy.org/sessions/wx4gps">https://hamstudy.org/sessions/wx4gps</a>		Georgetown Police Department 550 Bourbon St, Georgetown KY 40324
Saturday, September 18, 2021 12:30 pm (W5YI VEC) Pre-registration Required CKARS Hamfest for info go to <a href="http://www.ckars.org/hamfest">http://www.ckars.org/hamfest</a> Further information, contact Darrell Epperson/AC4YD / 859-771-1834 Pre-register here: <a href="https://hamstudy.org/sessions/ac4yd">https://hamstudy.org/sessions/ac4yd</a>		CKARS Hamfest Madison County Fair Grounds Richmonds, KY



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

# Contest Corral

# September 2021

Check for updates and a downloadable PDF version online at [www.arrl.org/contest-calendar](http://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
1	1700	1	2000	144	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
1	2000	1	2100	3.5	UKEICC 80-Meter Contest	Ph	6-char grid square	ukeicc.com/80m-rules.php
1	2300	3	2300	3.5-28	G3ZQS Memorial Straight Key Contest	CW	RST, SPC, name, mbr or power	fistsna.org/operating.html
2	1700	2	2100	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	nrrlcontest.no
2	1900	2	2100	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
4	0000	4	0359	1.8-28	CWops CW Open	CW	Serial, name	cwops.org
4	0000	4	2359	3.5-28	Russian RTTY WW Contest	Dig	RST, 2-letter RU oblast or CQ zone	qrz.ru/contest/detail/93
4	0000	5	2359	3.5-28	All Asian DX Contest, Phone	Ph	RS, 2-digit age	www.jarl.org/English
4	0600	4	0800	7, 14	Wake-Up! QRP Sprint	CW	RST, serial, suffix of previous QSO	qrp.ru/contest/wakeup
4	1200	4	1559	1.8-28	CWops CW Open	CW	Serial, name	cwops.org
4	1300	4	1330	144	Two-Meter Classic Sprint	CW Ph	Serial, 4-char grid square	fwrc.info
4	1300	4	1600	7	AGCW Straight Key Party	CW	RST, serial, class, name, age	alt.agcw.de/index.php/en
4	1300	5	0400	All	Colorado QSO Party	CW Ph Dig	Name, CO county or SPC	ppraa.org/coqp
4	1300	5	1259	1.8-28	IARU Region 1 Field Day, SSB	Ph	RST, serial	darc.de/der-club/referate/conteste
4	1300	5	1300	3.5-28	RSGB SSB Field Day	Ph	RS, serial	www.rsgbcc.org/hf
4	1400	5	1400	145	IARU Region 1 145 MHz Contest	CW Ph Dig	RS(T), serial, 6-char grid	www.iaru-r1.org
4	2000	4	2359	1.8-28	CWops CW Open	CW	Serial, name	cwops.org
4	2000	5	2000	3.5	PODXS 070 Club Jay Hudak Memorial	Dig	RST, SPC	www.podxs070.com
5	1000	5	1400	144	WAB 144 MHz QRO Phone	Ph	RS, serial, WAB square or country	wab.intermip.net
5	1800	6	0300	All	Tennessee QSO Party	CW Ph Dig	RS(T), TN county or SPC	tnqp.org/rules
6	1900	6	2030	3.5	RSGB 80-Meter Autumn Series, SSB	Ph	RS, serial	www.rsgbcc.org/hf
6	2300	7	0300	1.8-50	MI QRP Labor Day CW Sprint	CW	RST, SPC, mbr or power	www.miqrp.net/contest
7	0100	7	0300	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
8	1700	8	2000	432	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
11	0000	11	2359	1.8-VHF	FOC QSO Party	CW	RST, name, mbr (if any)	g4foc.org/qsoparty
11	0000	12	2359	3.5-28	WAE DX Contest, SSB	Ph	RS, serial	darc.de/der-club/referate/conteste
11	0800	12	0600	1.8-28	SARL Field Day Contest	CW Ph Dig	RS(T), # of rigs, category, province	www.sarl.org.za
11	0900	12	1400	7	YB7-DX Contest	Ph	RS, serial	yb7dxc.com/rule
11	1200	12	2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
11	1400	11	2200	3.5-28	Ohio State Parks on the Air	Ph	OH park abbreviation or SPC	ospota.org
11	1500	12	0300	3.5-28	Alabama QSO Party	CW Ph	RS(T), AL county or SPC	www.alabamagsoparty.org
11	1500	12	0959	3.5-28	Russian Cup Digital Contest	Dig	Serial, 4-char grid square	qrz.ru/contest/detail/86.html
11	1800	13	0300	50 and up	ARRL September VHF Contest	CW Ph Dig	4-char grid square	www.arrl.org/september-vhf
12	0000	12	0400	3.5-14	North American Sprint, CW	CW	Other's call, your call, serial, name, SPC	ncjweb.com
13	0000	13	0200	1.8-28	4 States QRP Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
15	1900	15	2030	3.5	RSGB 80-Meter Autumn Series, CW	CW	RST, serial	www.rsgbcc.org/hf
16	0030	16	0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
16	1800	16	1959	3.5	BCC QSO Party	CW Ph Dig	RS(T), T-shirt size	bavarian-contest-club.de/contest
17	2100	17	2359	3.5	AGB NEMIGA Contest	CW Ph Dig	RST, serial, mbr (if any)	www.ev5agb.com
18	0000	19	2359	All	Collegiate QSO Party	CW Ph Dig	School name, RS(T), op class	collegiateqsoparty.com
18	0500	19	1100	50-1296	SARL VHF/UHF Digital Contest	Dig	RST, 6-char grid locator	www.sarl.org.za
18	0600	19	2359	10 GHz to light	ARRL 10 GHz and Up Contest	CW Ph Dig	6-char grid	www.arrl.org/10-ghz-up
18	1200	19	1200	3.5-28	Scandinavian Activity Contest, CW	CW	RST, serial	www.sactest.net
18	1400	19	0200	All	Iowa QSO Party	CW Ph Dig	RS(T), IA county or SPC	www.w0yl.com/IAQP
18	1400	19	2000	All	Texas QSO Party	CW Ph Dig	RS(T), TX county or SPC	www.txqp.net
18	1500	18	2100	1.8-28	QRP Afield	CW Ph Dig	RS(T), SPC, power or mbr	newenglandqrp.org
18	1600	18	2300	3.5-144	Wisconsin Parks on the Air	CW Ph	WI park abbreviation or SPC	wipota.com
18	1600	19	0359	3.5-28	New Jersey QSO Party	CW Ph Dig	RS(T), NJ county or SPC	k2td-bcrrc.org/njqp/
18	1600	19	2200	All	New Hampshire QSO Party	CW DigPh	RS(T), NH county or SPC	www.w1wqm.org/nhqs
18	1600	19	2359	1.8-144	Washington State Salmon Run	CW Ph Dig	RS(T), WA county or SPC	salmonrun.wvdx.org
18	1800	18	1959	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
19	0000	19	0400	3.5-14	North American Sprint, RTTY	Dig	Other's call, your call, serial, name, SPC	ncjweb.com
19	1700	19	2059	3.5-28	BARTG Sprint PSK63 Contest	Dig	Serial	bartg.org.uk/wp
19	2300	20	0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpcontest.com/pigrun
20	1900	20	2300	144	144 MHz Fall Sprint	CW Ph Dig	4-char grid square	svhfs.org
22	0000	22	0200	1.8-50	SKCC Sprint	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
23	1900	23	2030	3.5	RSGB 80-Meter Autumn Series, Data	Dig	RST, serial	www.rsgbcc.org/hf
25	0000	26	2359	3.5-28	CQ Worldwide DX Contest, RTTY	Dig	RST, CQ zone (+ state/prov for US/VE)	www.cqwwrtty.com
25	1200	26	1200	1.8-28	Maine QSO Party	CW Ph	RS(T), ME county or SPC	ws1sm.com/MEQP.html
25	1400	25	1800	144, 432	AGCW VHF/UHF Contest	CW	RST, serial, power, 6-char grid	agcw.de/contest/vhf-uhf
25	1400	25	2200	3.5-28	Masonic Lodges on the Air	Ph	Lodge name/number/jurisdiction	cqmorelight.com/rules
27	1900	27	2030	3.5-14	RSGB FT4 Contest Series	Dig	4-char grid square	www.rsgbcc.org/hf
28	1900	28	2300	222	222 MHz Fall Sprint	CW Ph Dig	4-char grid square	svhfs.org
29	2000	29	2100	3.5	UKEICC 80-Meter Contest	CW	6-char grid square	ukeicc.com/80m-rules.php

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



## 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.

### Hurricane Watch Net Activates for “Catastrophic” Hurricane Ida 08/29/2021

The Hurricane Watch Net (HWN) is on Alert Level 5, “Catastrophic Response Mode,” as Hurricane Ida heads toward landfall on the coast of Louisiana today — the 16th anniversary of Hurricane Katrina — after gaining considerable strength in the Gulf of Mexico. The net, on 14.325 and 7.268 MHz, works in concert with WX4NHC at the National Hurricane Center (NHC) in Miami to share real-time surface-weather observations with the Center’s forecasters.

### 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/](mailto: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	Hamfrest cancelled General Meeting Cancelled		Zoom meeting Aug. 2, 2021
✓ September	Annual Family Picnic September 13, 2021		
October	NOT DETERMINED		
November	NOT DETERMINED		
December	<b>Election</b>	Brad James	

## 25 years ago in BARS, SEPTEMBER 1996/Chris Gay KU4A

Congratulations were extended to Bill Fuqua, WA4LAV and Jim Muth, N4CGQ for winning the Ernie Farmer Memorial Award, presented at the club hamfest in August.

Another callsign change was reported. James Lay's call changed from AC4LT to WB4YRZ.

Members were reminded of the annual picnic on September 9th at shelter #2 in Shillito Park.

Bobby Rolph, KB4QNR, chair of the education committee, announced that fall license classes would begin on September 12 from 7-9 PM at Lafayette High School. The classes were for Novice (including Morse Code, KU4A note: Code still required in those days) and Technician (which did not require code).

Bill DeVore, N4DIT, chair of the hamfest, thanked the many volunteers who helped with another great 'fest at Western Hills High School in Frankfort. He also thanked the twelve (count 'em, 12!) vendors who set up. N4ROC of Clarksville TN won the Ten-Tec Scout. WB4UMR of Louisville won the Yaesu FT-51R dual-band handheld. KF4DSS of Frankfort won the Butternut HF6V vertical and N8OIB of Harveysburg OH won the Astron RS-30 power supply.

In a thank-you letter to the club for the Ernie Farmer Award, Jim Muth N4CGQ recalled that while in the third grade he built a radio receiver with a 1T4 tube, housed in a cigar box. He took it to school where it was a big hit. But the teachers apparently didn't appreciate the distraction as he was told not to bring it to school ever again.

Steve McCallum, W2ZBY, ARRL Public Information Officer of the Kentucky section, reported on a sad story of Greg Godsey, KF4BDY, a 16-year-old ham who was improperly arrested in Hopkinsville. He was falsely charged with "possession of a police radio" and "impersonating a public servant". Also, when arrested he was improperly processed as an adult when he was clearly a juvenile.

COVER QST SEPTEMBER 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



**The annual Family Picnic for the  
Bluegrass Amateur Radio Society, Inc.  
will be held on  
September 13, 2021  
at the Shillito Park shelter #2.  
Mark your calendars and plan on  
attending with your friends and family.  
The fun starts around 5 pm.  
See you there.**

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The Bluegrass Amateur Radio Society, Inc will be offering a Technician licensing class with a organizational meeting on Aug. 4, 2021. The meeting will be held in the BARS shack learning area located in the basement of the Red Cross Building, at 1450 Newtown Pike, Lexington, KY. The meeting will start at 7:00 pm.

The entrance to the shack is located on the North side of the Red Cross Building toward the rear. Parking is located in the area adjacent to the Better Business Bureau.

We will be ordering books for the class.

The class will run about 1 to 1 1/2 hours. At this time we expect the class to be held on Wednesday evenings at 7 pm and should last about 8-10 weeks.

Hope to see you there.

Question should be sent to: [Bluegrassars@hotmail](mailto:Bluegrassars@hotmail)

Call 859-644-2216

Bart and David

KB4FEE and W9KHZ

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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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 SEPTEMBER 2021

Wed	1	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	2	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	4	Shack closed; Open Rag chew Net 9:00 am 146.760 neg offset no PL tone;
Sun	5	Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater);
Tue	7	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	8	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	9	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	11	Shack closed; Open Rag chew Net 9:00 am 146.760 neg offset no PL tone;
Sun	12	Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater);
Tue	14	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	15	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	16	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	18	Shack closed; Open Rag Chew Net 9 am 146.760 neg offset and no PL tone;
Sun	19	Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater);
Tue	21	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	22	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	23	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	25	Shack closed; Open Rag Chew Net 9 am 146.760 neg offset and no PL tone;
Sun	26	Television & Specialized Communications Net, 9:00 PM (146.760 Repeater)
Tue	28	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	29	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	30	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