



ARRL Standard



Pray for our
Troops



God Bless America!

QUA/HAM news

MAY
2021



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MARS STATION



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Memorial BBS
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K4KJQ
146.160/.760

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

WA4HBM
147.765/.165

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QUICKY NOTES

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

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

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

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

May General Membership meeting has been canceled. Zoom informal meeting on May 3, 2021.



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

MAY 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 May has been cancelled.

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, Wednesday evening at 8 pm and Saturday mornings at 8:45 am. This is a rag chew net and open for all amateurs. The NET is located on the 146.760 repeater. There is no PL tone. See you on the net.

**IT'S A KENTUCKY
THING...
Y'ALL WOULDN'T
UNDERSTAND!**

Covers @ FirstC

BUY, SWAP, OR TRADE

Swap Meet on this KYARSM listserver. Prepare your wanted, for-sale or give-away lists, and post them early Saturday morning. Keep browsing your e-mail for postings.

To post your for-sale, wanted, trade or donate message, simply send to: "KYARSM" <KYARSM@lsv.uky.edu>

The traffic on this list may be exceptionally high, so hold back all comments, questions, feedback, inquiries, etc and direct them to the sender's e-mail address. If you choose to REPLY to a message, it will go to the sender.

A few suggestions:

- 1) Keep your listing to a single 80-line page, or so.
- 2) Include prices in your for sale listings
- 3) Attach photos of what you are selling. 300-900kB images best.
- 4) Give your contact info and how to reach you.
- 5) Include any urls to related information. They will be checked for malware by LSV and look strange in the posting, hi!
- 6) Consider creating a folder and filter the KYARSM mail into it.
- 7) Do not attach .DOC or XLS files, use only PDF, JPG, GIF, or JPEG
- 8) ONLY post for-sale, wanted, trade or donate messages to this list

Feel free to jump in and comment or make suggestions to n4lg@qx.net

This is your listserver, make it work ;^)

73 Bill N4LG

LINK TO BY-LAWS

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

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

The May 2021, BARS Open General Meeting was, postponed due to health related precautions in response to disease control measures associated with the current COVID-19 virus situation.

The BARS Open General Meetings are expected to resume in the future on their regular schedule of the first Monday of each month when the recommended restrictions on group gatherings are ended and the Red Cross Building is again available for BARS functions.

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

Even if you're on the right track,
you'll get run over if you just sit there.

Will Rogers

NEW MEMBERS

Robert Hawthorne	KK2ICU
Greg Halsey	KO4LMD
Elizabeth Halsey	KO4LMC
Ken Fouts	
Cheri Fouts	
Phillip Stevens	KM4EGL
Sean Foley	AC4H
Carol Laferty	K4SAF

PLEASE WELCOME THESE NEW MEMBERS TO OUR CLUB.

May ZOOM MEETING

With the cool weather we've had lately, it's hard to believe that April is almost over. The Derby is Saturday.

We'll have our usual Zoom meeting at 7:30 pm, on the first Monday of May, May 3rd. There is no program yet lined up, so give consideration to whether or not you can make a presentation to benefit your fellow club members. If so, let me know, and we'll look forward to your presentation at the May meeting.

Chris
KU4A

Join Zoom Meeting

<https://us04web.zoom.us/j/6813577284...>

Meeting ID: 681 357 7284

Passcode: 0r99sy

Topic: May BARS Zoom meeting has not been determined as of this date



Bluegrass Amateur Radio Society, Inc.
Board of Director's Meeting April 19, 2021
Basement Arlington Christian Church
Lexington, KY

The BARS board of directors met Monday, April 19th in the basement of Arlington Christian Church (Disciples of Christ). the meeting was called to order at 7:00 PM by club president Brad James, WA4HBM.

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
Secretary Chris Gay (CG) KU4A
Director-at-large Jewell Vest (JV) KO4EP

Director-at-large Tim Kunkel (TK) KF4MPM
This constituted the full seven-member board.
Others present were:
Harvey Frye AA4HF
Barry Jackson WB4N

The board approved by acclamation that the meeting would be adjourned no later than 9:00 PM

TREASURER'S REPORT

BB read the treasurer's report. CG moved, seconded by RB that the report be approved. Passed by board.

BB read eight membership applications from new and lapsed members. DR moved, seconded by CG that the applications be accepted. Passed by board.

SECRETARY'S REPORT

CG reported that he had made the required distribution of a copy of the bylaws to all members that had a working e-mail address by April 15th as specified in the bylaws.

STANDING COMMITTEE REPORTS

Audit Committee, CG chair
No report

Finance Committee, BB chair
BB reported that he is continuing to learn how to use Quickbooks for the management of club finances.

HIGH PRIORITY OLD BUSINESS

It was announced that BB is now in charge of the distribution of the club patches.

On the topic of shack refurb, RBJ reported that he had found some good quality vanities at a reasonable price. CG moved, seconded by RB, that the club spend up to \$500 for the purchase of the vanities and associated hardware.

DR reported that he has located an area that he thinks can fairly easily be converted into storage space for the club. He will research the project and determine what the expected costs are.

DR also said that he was going to request permission from the Red Cross to do some pruning of the brush around the shack entrance.

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(continued from page 5, Directors meeting)

DR reported that after having ordered a rotator for the club tower that had been on back order for months, he changed the order and was able to obtain delivery on a different rotator and controller that will work fine. TK will begin reviewing the next several tasks that will need to be done on the tower/antenna project, with the idea being that work can occur in mid-May.

The board discussed, but took no action on, the development of the Standard Operating Procedures (SOPs) which supplement the club bylaws. CG, as chair of the bylaw committee, plans to develop a first-draft of the SOPs. RBJ has requested that other board members who have procedures they follow write them down and submit them to CG before development of the draft begins. As of the meeting, no such input had been forthcoming.

On the subject of Technician classes, BB and DR reported that they are currently planning to start classes in August. They would be in-person classes but with a video feed for those who cannot attend in person. Once plans are finalized, BB will begin publicizing the classes and taking reservations. In the event there are too many enrollees to fit in one class in the shack, additional classes will be held.

CG moved, seconded by JV, that the club make another \$250 donation to Arlington Christian Church (Disciples of Christ) in appreciation for allowing us to use their facility for our board meetings. Motion passed.

RB moved, seconded by CG, that the club make a donation of \$1000 (in two \$500 tranches) before the end of the year to the American Red Cross in appreciation for allowing us the permanent use of a large portion of the basement of their building for many decades. The funds will be obtained from the special savings account.

CG moved, seconded by DR, that the club conduct a matching donation program for calendar 2022. BARS members who make a personal donation to the American Red Cross will have their donation matched by BARS, up to an overall limit of \$1200 of club funds.

The board discussed, but took no action on, disbursement of the surplus equipment and parts that have accumulated in the shack from estate donations. The tubes are likely to be of some value if sold on eBay. CG has extensive experience selling on eBay, and has a tube tester that can be used. But he is not currently able to commit to having the tubes sold by the end of 2021 as requested by RBJ. CG agreed to look at the sum total of the tube inventory to see if it might be possible to store them in some way until he has time to begin eBay sales, given all the other responsibilities he has as secretary, librarian, historian, chair of the bylaw committee, etc.

Concerning the other items that need to be disposed of, there was some discussion but no decision. All agree it would be nice to have the area cleaned out, but it may not be possible to have something like a silent auction at the present time, given COVID-19 restrictions in the Red Cross building.

HIGH PRIORITY NEW BUSINESS

RB moved, seconded by JV, that the club purchase a \$100 Lowe's gift card for Bonnie Slaughter in appreciation for conducting the annual club audit. Motion passed. CG abstained from the vote due to conflict of interest.

The board discussed, but took no action on, the idea of resuming general membership meetings by using the basement of Arlington Christian Church (Disciples of Christ) (the same area where the board meetings are held).

DR reported on new shack security procedures. The lock on the outside door has been changed. The keypad combinations on the interior doors have been changed. The filing cabinet in the shack that contains club financial (and other) records is now locked.

(continued on page 7)

(continued from page 6, Directors meeting)

On the subject of possible remote operation of club HF rigs, RB reported that he installed new, bigger hard drives in the club computers. This was covered under the monthly incidental expense limit. He had done some testing of the remote, but from within the shack. CG reported that the next test would be to see if remote operation works from a distance on the network.

The board approved by acclamation the requirement that when invoices for debit card or PayPal purchases are presented, two signatures are required. This matches the 2-signature requirement on checks.

DR moved, seconded by RB, that the club reimburse a member up to \$20 for damage done to a bike cable that was used to lock club property. Motion passed.

DR reported that the 440 MHz repeater project is missing one component. He has additional work to do with the Southeastern Repeater Association to get the repeater coordinated. There are two additional hardware items that will be needed to complete work on the DMR repeater.

CG moved, seconded by RB, that the meeting be adjourned. Motion passed. The meeting adjourned at 9:02 PM

What Is APRS and How To Use It?

APRS, or Automatic Packet Reporting System is used for real time communication to share information of immediate importance in a local area. APRS ensures digital communications, as it is an amateur radio-based system.

This system transmits data ranging from GPS coordinates to queries and commands. APRS has a great many uses for people, as it can transmit various types of data and even provide information that can be displayed on a map.

This makes finding important sites extremely easy. Other than that, new uses for APRS are cropping up all the time. So, let's discuss how this system really works.

The system transmits information in the form of packets. There are APRS sending devices or trackers that collect required data and form packets with them.

These packets are then transmitted using APRS stations to "digipeaters", which repeat the data so that they can be heard over a wide geographic area.

How to Use APRS?

(continued on page 8)

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 email to: KB4FEE@ARRL.net

(continued from page 7, What is APRS?)

Using an APRS can seem like a complex task, especially if you are new to this type of data sharing. But when you understand what types of devices can be used and how, this process will seem much easier.

How Does It Work?

Handheld and mobile radios work well for APRS. If you are aware of certain terms that are specific to APRS use, you can use radios or even your smartphone to transmit data.

These packets of data that are transmitted from one place to another is normally received by unconnected stations. What this means is that there is no guarantee which station will receive and transmit the data. However, the digipeaters mentioned above, which listen to and filter out data, can be very specific.

These usually decide where the data should go or if the same packet has already been transmitted. APRS also have gateways that help share tracking information between unconnected stations.

Ever since APRS users started taking help from the internet to transmit and display their data better, things have gotten much easier. There are now apps and websites that help with APRS mapping and the transmission of emergency messages and data

Devices You Can Use

Now, you can use your computer, laptop or mobile phone to track locations and moving objects, or share your own location. You can also use them to share different sorts of messages in the hopes that an APRS station will pick it up.

One of the few things you need to use for APRS is a TNC or Terminal Node Controller. This works as a medium that receives digital data from computers or other devices that are transmitting information and encodes them into audio tones that can be aired over FM radio.

Any APRS data that is being shared and transmitted gets ejected into the internet stream. There, it is presented to a user in a suitable way, so that it can be easily understood.

For APRS mapping, the tracking data is usually represented by various specific symbols. These are called APRS symbols. Regular APRS users understand what each symbol mean but there can also be guides for that. Different APRS devices, radios and trackers use different symbols, numbers and letters.

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(continued from page 8, What is APRS?)

The Functionalities

When using a smartphone, you will also need a B-tech cable, which will connect your handheld radio to the smartphone. The radio will transmit audio messages, while the smartphone will show the map and any other details presented by the app or website of your choice.

Once upon a time, APRS was used for long-distance races, to track moving objects like people, cars, boats, etc. Now, it can be personalized to locations, family cars, or just to share data on emergency.

Conclusion

A user can just look up a location using the internet and any APRS website or app to collect data on it. You can watch the traffic, learn the existence of different sites and buildings. You can even track the weather of different areas using APRS.

This is of course useful for many, from travelers and workers, to normal people who just want to track their cars or need weather forecasts. At a time when everyone uses smartphones, APRS has become very handy to everyone. Just a little understanding of its processes can help you use it well.

<https://the-weather-station.com/what-is-aprs/>

The Amateur Amateur: APRS, the Beginning

TAGS: amateur radio operator, ARRL Contributing Editor, automatic packet reporting system, automatic position reporting system, county ares, error message, Web site

06/10/2010

By Gary Hoffman, KB0H
ARRL Contributing Editor

I became interested in APRS (Automatic Packet Reporting System) after watching a presentation on it a few years ago. The presenter described some of the interesting things that could be done with APRS, which, I think, sold many of us right then and there. Maps showing the locations of cars, boats, people, parade floats, bicycles and especially balloons were a real eye-opener. Regrettably, though, the presenter drifted off into a rather dry description of a complicated APRS program and soon lost the attention of most of the audience.

Evolution

I was still interested enough in APRS that I Googled it the next day. There were a great many sites dedicated to the field, so I skimmed a random sampling of them. Wow! Everything I read seemed highly technical, and none of it described what APRS actually was. The only solid piece of information I was able to garner was that if you called it Automatic Position Reporting System, the APRS Police would come knocking at your door. But just what was APRS? I still didn't know.

Skip forward a few years.

The term APRS caught my notice from time to time, so I periodically went back to the Internet to see if I could figure it out. I didn't have much luck. I did find a commercial Web site, byonics.com that sold APRS equipment, but all of the products seemed to be geared toward hams who already had a pretty good grasp of the subject.

I recently spent a lot of time working with digital formats, specifically packet, and messing around with TNCs (Terminal Node Controllers, see my column "The Amateur Amateur: Not Exactly Plug-And-Play"). APRS came up repeatedly in the TNC manuals, and I even found that one of my devices was designed only for APRS use. So, naturally, I found myself once again getting interested in the topic.

Mapple

I revisited the Byonics Web site. As before, most of the products looked tantalizing, but confusing to a beginner like me. But there was one new product that managed to grab my attention. It was called a MicroTrak-Ready-To-Go (MT-RTG). Basically, it was a simple vehicle tracker. It didn't have to interface with anything and it could be powered from a cigarette lighter jack.

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(continued from page 9, APRS The Beginning)

I especially liked the “ready to go” part. I read the product description very carefully and concluded that, yes, even a complete idiot could operate this device. Finally! An APRS product made with me in mind! I ordered one on the spot.

My MicroTrak soon arrived. I read the instructions again, just to make sure that it really, truly didn't require a complicated transceiver, a rotating dish antenna, a supercomputer or any competency on behalf of the operator. Nope. This device really was plug-and-play. So I plugged it in. And wonder-of-wonders, it played.

And Now an Announcement from...

During the years that I had nibbled around the edges of APRS I'd come across a Web site called Findu.com. It was pretty nifty. All you needed to do was type in the call sign of an Amateur Radio operator and his/her location would pop up on a map.

Well, no, it wasn't quite that easy, but it was close. It showed the location of any ham sending out APRS packets. But as it turned out, several hams that I knew did show up on the map. So, as soon as I finished installing the MicroTrak in my SUV, I ran to my computer to “see if I was there”.

Yes! I was! And I soon found that there were a number of other Web sites, such as aprs.fi and www.openaprs.net that showed a plethora of other APRS information in addition to just a location. It all looked interesting, but I didn't know what any of it meant.

Cue dramatic music. That was when it happened. I was standing at the very edge. And the moment that I started to look up those strange codes and symbols, I toppled over the edge and was well on my way to becoming an APRS junkie.

So, what does a junkie do? He gets other people hooked. One day I told Steve, KC0QMU about my MicroTrak. I even dragged him over to my SUV and pointed out the unit (it's just a tiny plastic box) and its unobtrusive antennas

He didn't look impressed

I Never Thought a Company Could Be My Soulmate

That same day my wife Nancy and I drove to Montgomery City to attend the graduation of our niece Ellie. That's about an 80 mile drive each way. It was pretty late at night by the time the ceremonies had ended and we'd started back home. I had the FM radio, my 2 meter transceiver, and a police scanner all going in an effort to keep us awake. Nancy and I bellowed at each other over the racket, talking about the graduation, Ellie's future and strangely enough, APRS.

I guess we had perhaps another 30 or 40 miles to go when -- and I still can't believe I actually heard it -- my call sign came over the ham radio. I picked up the microphone and answered.

It was Steve. He was tracking us using aprs.fi. He knew where we were and which other vehicles near us also had APRS trackers (this was getting a little spooky). It seemed that after our meeting that morning he'd started looking into APRS, had gotten interested and had even gone so far as to order a MicroTrak himself. For a very brief moment I thought I'd been granted stunning powers of persuasion. But, of course, that was just the fatigue of a long day and a longer drive. APRS had sold itself.

At some point during the conversation Mike, WD0GSY joined in and told us how we could greatly expand our APRS capabilities by using transceivers rather than our simple transmit-only trackers. Now before I became hooked, I would have shaken my head at the complexity of it all and given Mike noncommittal grunts in response. But that night it all seemed magically possible.

(continued on page 11)

(continued from page 11, APRS, The Beginning)

“Think Differently”

A few days later, after I had studied the strange symbols and such that my MicroTrak was transmitting, I decided I would take advantage of Byonics's free software download and reprogram some of my unit's settings. For example, when I bought the device I asked Byonics to program it with the call sign KB0H-10. I had since learned that KB0H-9 was more appropriate for a vehicle (at least according to one Web site). I also wanted to change the message “MT-RTG” to “St Louis County ARES” (hey, I'm proud to be a member). So I got my laptop all prepared and hauled it to my garage. I connected it to my MicroTrak and...nothing. Well, not exactly nothing, I got various error messages.

Ah, that was more like it. Everything had gone far too smoothly up to that point. It was like I hadn't earned my stripes yet. So, after re-reading the instructions several dozen times (I always find something I've missed before, just like watching Star Trek reruns), and after getting the correct gender-changer/null-modem, and after setting the COM port to 4800 baud, and after screaming and cursing for a very long time, I was able to successfully reprogram the MicroTrak

And it still worked!

I told Steve about my reprogramming effort and he asked if I could put the message “St Louis County ARES” into his new unit as well. He is, after all, our ARES Emergency Coordinator.

Oh sure, I said, confidently.

Take a Page from the Book of Bart

So one morning we got together in a QuikTrip parking lot and wasted a great deal of time squatting behind Steve's SUV, watching the same error message pop up over and over again on my laptop's screen. I was tremendously embarrassed. I even tried connecting to my own MicroTrak, but the same error message appeared. The only thing we accomplished was to give travel directions to various lost people who had apparently been attracted by our antenna-festooned vehicles. I guess we must have looked “official.”

Naturally, when I got home and took the MicroTrak and laptop down to my shack to experiment further, the very same devices that had given me fits all morning suddenly worked absolutely perfectly. I think they sensed the proximity of numerous lethal power tools.

But such irritations were not going to deter me from my next goal.

Next time: My APRS base station.

Editor's note: ARRL member Gary Hoffman, KB0H, lives in Florissant, Missouri. He's been a ham since 1995. Hoffman says his column's name -- “The Amateur Amateur” -- suggests the explorations of a rank amateur, not those of an experienced or knowledgeable ham. His wife, Nancy, is N0NJ. Hoffman has a ham-related Web page. Readers are invited to contact the author via e-mail.

ARRL: NEWS

**“A true Friend is the best Possession.”
- Poor Richard's Almanack, 1744**

What is APRS? Craig Paul, KH6CP

#10, Issue 2021-5 KH6OWL May 2021 www.hamradiohawaii.com

APRS is an abbreviation of "Automatic Packet Reporting System". It's a "civilian" version of a military technology. What can the data in a packet with up to 256 "characters" contain? Anything! Hence the more "modern" definition: APRS is the amateur radio equivalent of "The Internet of Things". The battery charge status on your laptop? Check. A weather report from a home based weather station? Check. The position and speed/direction of travel of something? Check. A text message from your radio into the cell phone network when your cell phone is "dead" or out-of-range? Check. A text message to another ham, world-wide? Check. See the location of a flash-flood warning? Check. See where a hurricane is forecast to be? Check. See where the nearest hospital is? Check. These are just a few things that APRS can do. How are these "packets" sent? They're either broadcast over radio, originated to the internet, or gatewayed between the radio and the internet.

The internet gateway is called an "iGate". Is a "radio only" packet restricted to it's broadcast range? It depends! If the packet is transmitted via HF (as in a planet traversing gas balloon) that broadcast range could be world-wide. If the packet is transmitted via VHF/UHF then the civilian equivalent of the US military's highly-valued adaptive survivable mesh network is used. A mesh network element is called a digipeater - a store and forward digital repeater. The digipeater "hears" and decodes a packet, stores it internally, then rebroadcasts (forwards) it after a pre-determined delay. On O'ahu, a "typical" day on the APRS network might reveal automatic weather reports digipeated locally or from Maui or the Big Island, hams in cars "beaconing" their positions as they travel, telling others what radio frequencies to use to talk to them, have the APRS system tell them if they have Winlink e-mail, what e-mail address they can be reached at, or what the voltage is on their car battery or other mobile equipment. Any of this might also be from Maui or the Big Island. How can an amateur participate in APRS? With a "smartphone" and a hand-held transceiver - only an audio cable to connect the two. Those typically cost \$10-20. Information about APRS radios and add-ons are available at the bottom of this document. The 2-meter frequency to use for APRS in the US is 144.390 MHz, unless you want to use the International Space Station as a digipeater, in which case use 145.825 MHz. To just "look around" the APRS system go to <http://aprs.fi>. You can "browse" the whole planet! If you'd like more information go to <http://aprs.org> Radios with integrated APRS capability (*): Kenwood TM-D710GA Kenwood TH-D74a Yaesu FT-2DR Yaesu FT-3DR Yaesu FTM-400xdr Yaesu FTM-300xdr * Due to semiconductor integrated circuit shortages the Kenwood radios are not currently in production Radio add-ons: <https://www.byonics.com/aprs> Software: Too many to mention, but some examples APRSIS32 Xastir javAPRS PinPoint APRS APRS + SA Pi APRS Questions? E-mail KH6CP@arrl.net APRS Symbols. <https://www.aprsdirect.com/symbol/list> How to send a text via APRS to a cell phone. <https://www.youtube.com/watch?v=fVqpmhcRNRE> To send a text message from APRS via SMS Gate. In the message to field, Type in SMSG n the message box you have to start with @xxx-xxxxxxx (the cell Number you want to send to) and then your message. The person you are sending it to will get the message and it will be from the SMS Gate phone number and will say your message in the text message. For Example, @kh6owl-9 hello. If you reply from a phone you have to reply to the message and start it with @kh6owl-9 and then your message. ----- International Third-Party Traffic, What Is it? Have you heard the phrase, "I have third party traffic to pass?" What does that mean in amateur radio?

This is covered by the FCC in Part 97.115. <https://www.law.cornell.edu/cfr/text/47/97.115> Occasionally, DX stations may ask you to pass a thirdparty message to a friend or relative in the States. This is all right as long as the US has signed an official third-party traffic agreement with that particular country, or the third party is a licensed amateur. The traffic must be noncommercial and of a personal, unimportant nature.

(continued on page 13)

(continued from page 12, What is APRS?)

During an emergency, the US State Department will often work out a special temporary agreement with the country involved. But in normal times, never handle traffic without first making sure it is legally permitted. See third party agreements here: <http://www.arrl.org/third-party-operating-agreements>
<https://www.youtube.com/watch?v=dbUunJLH8B8> -----

The International Amateur Radio Union (IARU) is the worldwide federation of national amateur radio organizations. The membership of the IARU consists of more than 160 member-societies in as many countries and separate territories. The IARU was founded at a meeting in Paris in 1925 as the international representative of the Amateur Radio movement. At the time the "short waves" were just beginning to be understood and to be exploited for global communication using power levels and antennas that were within reach of private individuals operating from their own homes. These radio amateurs needed an organization to coordinate their activities and to be their voice at international conferences. The three IARU Regions are organized to broadly mirror the structure of the International Telecommunications Union (ITU) and its related regional telecommunications organizations. The Regions comprise: IARU Region 1: Europe, Africa, the Middle East and Northern Asia IARU Region 2: The Americas IARU Region 3: Asia-Pacific <https://www.iaru.org/> -----

Preparing for an EMP Incident With an increasing number of bad actors with EMP (electromagnetic pulse) devices these days, the disruption of the country's electronic infrastructure is tempting. Many veteran radio amateurs have older VHF/UHF/HF mobile radios and handhelds; it may be a good idea to store them in a small steel trash can, along with a roll of RG58, mag mount or other kind of antenna, and light line to hoist the antenna into a tree. There is little or no cost involved, and this puts older gear to potential use in an EMP incident. While not too likely, the military and other government entities do pay attention to the possibility of such an incident that could cripple the internet, power grid, copper pair telephone, and much of the sensitive modern lower voltage circuitry. Many hams licensed since the end of the cold war may have little or no knowledge of what an EMP blast can do, and how difficult it is to protect against. "When all else fails" means being prepared for the unlikely. -- Doug McCray, K2QWQ, Southampton, South Jersey [Here is an info sheet on electromagnetic pulse from the Washington State Department of Health--Office of Radiation Protection.] https://www.doh.wa.gov/portals/1/Documents/Pubs/320090_elec_puls_fs.pdf ----- YouTube Videos: BIARC DMR static Talk Groups settings APRS: <https://www.youtube.com/watch?v=xQFSmINZqCY>

Craig Paul , KH6CP

"Glass, China, and Reputation, are easily crack'd, and never well mended."

- Poor Richard's Almanack, 1750

Call for Nominations - Ernie Farmer Memorial Award

Nominations are requested for the person you feel meets or exceeds the below-listed qualities as related to amateur radio and its many diverse and varied activities. Nominations should be sent to Brad James/ WA4HBM, President, Bluegrass ARS, Inc., PO Box 13206, Lexington, Kentucky 40583..

The person selected from your nominations will be honoured during a special award ceremony held during the annual picnic September 13, 2021. Many arrangements must be made, so do not put this off.

Rules

1. This award is to be presented during the annual picnic.
2. The call for nominations must be published in the Bluegrass ARS newsletter three consecutive months prior to the deadline for nominations, which is thirty (30) days prior to the picnic. Any nominations received after that date (August 13, 2021) will not be considered.
3. Nominations must be in writing and signed, or by e-mail with submitters name clearly shown, with specific and adequate information describing why the nominee should be considered.
4. Areas of consideration:
 - a. Involvement in public relations.
 - b. Operating excellence.
 - c. Involvement in public service.
 - d. Assistance to prospective and/or licensed amateurs.
 - e. A combination of these for the general furtherance of amateur radio.
5. The President shall appoint a committee of no less than three to consider nominations and select the winner. The committee shall select the winner within two weeks after the deadline and procure an appropriate plaque in sufficient time to permit presentation at the hamfest. Also, the committee will write a letter of commendation outlining the reasons for the award. This is to be presented along with the plaque.
6. The winner will be notified prior to the hamfest to permit acceptance of the plaque and the letter and attendance at the hamfest.
7. The name of the winner and the contents of the commendation letter will be published in the Club newsletter following the picnic.



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
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
John Boyers/W8OM (Plain City, Ohio) | 2020 - No nomination determined |
| 1988 - No nominations received | |
| 1989 - Bill Woodward/KC4CHF (SK), and
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
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)
- James Craig McKechnie/KE4FFQ | |
| 2002 - Lou Berry/AG4LB, and
Pat Spencer/KD4PWL | |
| 2003 - John Bell/K4RBH (Honorary Presentation, SK),
Fernie Williams/KE4MAI and
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

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)

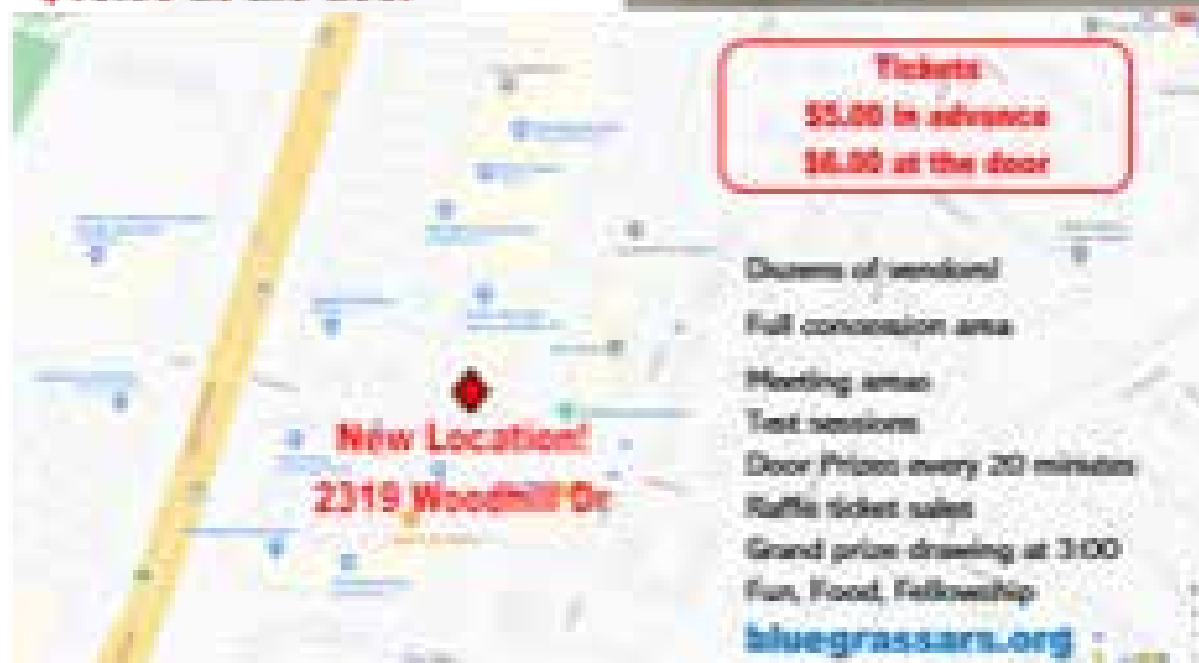
Sponsored By:



Come See US!!

Central Kentucky
ARRL ProjectLexington
Kentucky
August 14, 2021

**Tables \$10.00 in advance,
\$15.00 at the door**



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, June 12, 2021 10:00 am (ARRL VEC) Pre-registration Required		Georgetown Police Department 550 Bourbon St, Georgetown KY 40324
Further information, contact Ron Malinowski/WX4GPS 502-542-8252 Pre-register here: https://hamstudy.org/sessions/wx4gps		
Tuesday, June 22, 2021 @ 6:00 pm (Laurel VEC)K4TG Further information - contact Brian Carter/KI4TLW 502.545.03		Church of Jesus Christ of Latter-Day Saints - Main Hall 101 Bogie Lee Ave, Frankfort KY 40601
Saturday, June 26, 2021 10:00 am (ARRL VEC) Sponsored by Wilderness Road Amateur Radio Club Pre-registration Required Further information, contact Harold Miller/AF6MB 541-602-6535		American Legion Post 46 45 Spears Lane, Danville KY 40422

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

Contest Corral

May 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							
1	0000	2	1600	50, 144	Araucaria World Wide VHF Contest	CW Ph	RS(T), 6-char grid square	avhfc.com/rules/en.pdf
1	0001	2	2359	28	10-10 International Spring Contest, CW	CW	Name, mbr or "0," SPC	www.ten-ten.org
1	0300	1	0859	3.5-28	RCC Cup	CW Ph	RS(T), mbr or ITU zone	rcccup.ru
1	0800	1	1400	Above 902	Microwave Spring Sprint	CW Ph Dig	6-char grid square	sites.google.com/site/springvhfupsprints
1	1200	2	1159	3.5-28	ARI International DX Contest	CW Ph Dig	RS(T), Italian province or serial	ari.it/en/contest-hf
1	1200	2	1200	3.5-144	F9AA Cup, Digi	Dig	RST, serial	www.site.ura.asso.fr
1	1300	1	1900	3.5-28	AGCW QRP/QRP Party	CW	RST, serial, Class (A/B)	alt.agcw.de/index.php/en
1	1300	2	0700	1.8-28	7th Call Area QSO Party	CW Ph	RS(T), 5-letter state/county code or SPC	7qp.org
1	1500	2	0300	1.8-28	Indiana QSO Party	CW Ph	RS(T), county or SPC	hdxcc.org/inqp/rules.html
1	1600	1	1800	3.5-28	FISTS Saturday Sprint	CW	RST, SPC, name, mbr or "0"	fistsna.org/operating.html#sprints
1	1700	2	2359	1.8-VHF	Delaware QSO Party	CW Ph	RS(T), county or SPC	www.fsarc.org/qso-party
1	2000	2	2359	3.5-28	New England QSO Party	CW Ph Dig	RS(T), W1 county/state or SPC	www.neqp.org/rules.html
3	0000	3	0100	1.8-14	K1USN Slow Speed Test	CW	Name, SPC at 20 WPM max	www.k1usn.com/sst.html
3	1630	3	1729	3.5, 7	OK1WC Memorial (MWC)	CW	RST, serial	memorial-ok1wc.cz
4	0100	4	0159	1.8-50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM, YL, or Youth)	www.sac.com/rules.html
4	0100	4	0300	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqp.blogspot.com
4	1700	4	1900	3.5-14	RTTYops Weekspoint	Dig	Other's call, your call, serial, name	rttyops.wordpress.com
4	2300	5	0300	All	MIE 33 Contest	CW Ph	RS(T), age	www.zlv.ne.jp/soda/33
5	1300	5	1400	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	cwops.org
5	1700	5	2000	144	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
5	1900	5	2000	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	cwops.org
5	1900	5	2030	3.5-14	RSGB FT4 Contest Series	Dig	4-char grid square	www.rsgbcc.org/hf
6	0300	6	0400	1.8-28	CWops Mini-CWT Test	CW	Name, mbr or SPC	cwops.org
6	1700	6	1900	3.5-14	RTTYops Weekspoint	Dig	Other's call, your call, serial, name	rttyops.wordpress.com
6	1700	6	2100	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	nrrcontest.no
6	1900	6	2100	1.8-50	SKCC Sprint Europe	CW	RST, SPC, Name, mbr or "none"	www.skccgroup.com
7	0145	7	0215	1.8-21	NCCC RTTY Sprint	Dig	Serial, name, QTH	www.ncccsprint.com
7	0230	7	0300	1.8-21	NCCC Sprint	CW	Serial, name, QTH	www.ncccsprint.com
7	2000	7	2100	1.8-14	K1USN Slow Speed Test	CW	Name, SPC, 20 WPM max	www.k1usn.com/sst.html
8	0001	9	2359	3.5-144	Day of the YLs Contest	CW Ph	RS(T), YL/OM	ka1uln.blogspot.com
8	0500	9	1100	50-1296	SARL VHF/UHF Digital Contest	Dig	RST, 6-char grid locator	www.sarl.org.za
8	1200	9	1159	1.8-28	CQ-M International DX Contest	CW Ph	RS(T), serial	cqm.srr.ru/en-rules
8	1200	9	1200	3.5-28	VOLTA WW RTTY Contest	Dig	RST, serial, CQ zone	www.contestvolta.com
8	1200	9	2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
8	1400	9	0200	3.5-144	Arkansas QSO Party	CW Ph	RS(T), AR county or SPC	www.arkqp.com
8	2300	9	0300	50	50 MHz Spring Sprint	CW Ph Dig	4-char grid square	sites.google.com/site/springvhfupsprints
9	1000	9	1400	7	WAB 7 MHz Phone/CW	CW Ph	RS, serial, WAB square or country	wab.intermip.net/Contests.php
10	0000	10	0200	1.8-28	4 States QRP Grp Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
10	1900	10	2030	3.5	RSGB 80-Meter Club Championship, SSB	Ph	RS, serial	www.rsgbcc.org/hf
12	1700	12	2000	432	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
13	1600	13	2200	3.5, 7	QRP Minimal Art Session	CW	RST, class, number of components	qrpc.de/contestrules
15	0800	16	1100	3.5	NZART Sangster Shield Contest	CW	RST, serial, branch (if any)	nzart.org.nz/activities/contests
15	1200	16	1200	1.8-28	His Majesty King of Spain Contest, CW	CW	RST, EA province or serial	concursos.ure.es/en
15	1600	15	2159	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
16	2100	16	2300	3.5-28	FISTS Sunday Sprint	CW	RST, SPC, name, mbr or "0"	fistsna.org
16	2300	17	0100	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpccontest.com/pigrun
19	1900	19	2030	3.5	RSGB 80-Meter Club Championship, Data	Dig	RST, serial	www.rsgbcc.org/hf
20	0030	20	0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
21	1200	21	2359	3.5-28	Hamvention QSO Party	CW Ph	RS(T), first year attended Hamvention	wwrof.org
22	1200	23	1200	3.5-28	EU PSK DX Contest	Dig	RST, EU area code or serial	eupsk.club
22	2100	23	0200	3.5	Baltic Contest	CW Ph	RS(T), serial	lrsf.it/en/balticcontestrules
24	0000	24	0100	1.8-28	QRP ARCI Hootowl Sprint	CW	RST, SPC, mbr or power	qrpaci.org/contest
26	0000	26	0200	1.8-50	SKCC Sprint	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
27	1900	27	2030	3.5	RSGB 80-Meter Club Championship, CW	CW	RST, serial	www.rsgbcc.org/hf
29	0000	29	2359	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
29	0000	30	2359	1.8-28	CQ WW WPX Contest, CW	CW	RST, serial	www.cqwpw.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.

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	NOT DETERMINED		
✓ July	NOT DETERMINED		
✓ August	Central Kentucky ARRL Hamfest	August 14, 2021	
✓ September	Annual Family Picnic	September 13, 2021	
✓ October	NOT DETERMINED		
✓ November	NOT DETERMINED		
✓ December	Election	Brad James	

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 11 Skywarn Net meets Sundays at 8:00 PM on 146.925 (-PL- 79.7) and is linked to 147.180 (PL-74.4) and other repeaters in and close to the area. District 11 ARES Net meets Mondays at 9:00 PM on 146.925 (PL-79.7) and is linked to 147.180 (PL-74.4) and other repeaters in and close to the area.

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

There are three kinds of men. The one that learns by reading. The few who learn by observation. The rest of them have to pee on the electric fence for themselves.

Will Rogers

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 May 2021

- Thu 1 Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.
- Sat 3 Shack closed; Open Rag Chew Net 9 am 146.760 neg offset and no PL tone;
- Sun 4 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); District 11 Skywarn Net, 8:00 PM, 146.92 (PL-79.7 Hz) linked to 147.180 (PL-74.4 Hz)\
- Mon 5 District 11 ARES Net 9:00 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in the area.
- Tue 6 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 7 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 8 Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control
- Sat 10 Shack closed; Open Rag chew Net 8:00 pm 146.760 neg offset no PL tone; License Exam session, 10:00 am, Clark County EOC, 200 Maryland Ave., Winchester, KYW5YI VEC: Winchester - Liaison Darrell Epperson/AC4YD, AC4YD@arrl.net, 859-771-1834
- Sun 11 Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); District 11 Skywarn Net, 8:00 PM, 146.925 (PL-79.7 Hz) linked to 147.180 (PL-74.4 Hz)\
- Mon 12 District 11 ARES Net 9:00 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in the area.
- Tue 13 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 14 Open Rag chew Net 8:00 pm 146.760 neg offset no PL tone; Wilderness Trail Emer Net, 8:30 pm, freq. 146.71 PL 100;
- Thu 15 Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.
- Sat 17 Shack closed; Open Rag chew Net 9:00 am 146.760 neg offset no PL tone;
- Sun 18 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); District 11 Skywarn Net, 8:00 PM, 146.925 PL-79.7 Hz) linked to 147.180 (PL-74.4 Hz) linked to 147.180 (PL-74.4) and other repeaters in the area.
- Mon 19 District 11 ARES Net 9:00 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in area.
- Tue 20 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; License Exam session, 5:00 pm (ARRL VEC) Pre-registration Required Georgetown Police Department, 550 Bourbon St, Georgetown KY 40324 Further information, contact Ron Malinowski/WX4GPS 502-542-8252 Pre-register here: <https://hamstudy.org/sessions/wx4gps>
- Wed 21 Open Rag chew Net 8:00 pm 146.760 neg offset no PL tone; Wilderness Trail Emer Net, 8:30 pm, freq. 146.715,
- Thu 22 Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control. PL 100; Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);
- Sat 24 Shack closed; Open Rag chew Net 9:00 am 146.760 neg offset no PL tone; License Exam Session, 10:00 am, ARRL VEC, American Legion Post 46, 45 Spears Lane, Danville, KY, Liaison Harold Miller/AF6MB, 541-602-6535, Wilderness Road ARC, <http://www.wrarc.com>, Pre-registration Required, Pre-register here: <https://hamstudy.org/sessions/600ee698ffa7c81ace96b7b3/1>
- Sun 25 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater); District 11 Skywarn Net, 8:00 PM, 146.925 PL-79.7 Hz) linked to 147.180 (PL-74.4 Hz) linked to 147.180 (PL-74.4) and other repeaters in the area.
- Mon 26 District 11 ARES Net 9:00 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4) and other repeaters in area.
- Tue 27 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; License Exam Session 6:00 pm (Laurel VEC) Further information - contact Brian Carter/KI4TLW, 502-545-0376 Anderson County Health Dept, 1180 Glensboro Rd., Lawrenceburg, KY 40342
- Wed 28 Open Rag chew Net 8:00 pm 146.760 neg offset no PL tone; Wilderness Trail Emer Net, 8:30 pm, freq. 146.71 PL 100;
- Thu 29 Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control. PL 100; Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);