



ARRL Standard



Pray for our Troops



God Bless America!

QUA/HAMnews

AUGUST 2020

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The Annual Family Picnic scheduled for September is canceled.
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Bluegrass Amateur Radio Society, Inc.
P.O. Box 4411, Lexington, Kentucky 40544-4411
Club Station K4KJQ
MARS Station AAV4CAB



Glenn E. Welman/KF4NB
Memorial BBS
145.010 and 145.090

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

K4KJQ
146.160/.760

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

WA4HBM
147.765/.165

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

QUICKY NOTES

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

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

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

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

August General Membership meeting will be held on August 17th, at the Arlington Christian Church on N. Limestone St., Lexington at 7PM. The purpose is to count the election ballots and determine the winners. Also any other club business as needed.



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 AUGUST 2020

Meeting Notice

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

The general meeting of the Bluegrass Amateur Radio Society, Inc., schedule for August 17th, will be held at the Arlington Christian Church, located on N. Limestone St., Lexington, KY at 7 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 - Sandy Gragg
The Fayette County ARES net has resumed. Remember the Fayette County ARES net every Tuesday at 8:30 pm on the 146.94 repeater. We are looking for more folks that would help share in the net control. If you would like to Help, contact Sandy KM4PJU, at 859-699-0035

NEW MEMBERS
No new members

A new net has started, Wednesday evening at 8 pm and Saturday mornings at 9 am. This is a rag chew net and open for all amateurs. The is located on the 146.760 repeater. There is no PL tone. See you on the net.

KY-QRP net has been suspended at this time.



REMINDERS

Over the last year or so, we have had difficulty contacting members. It is the responsibility of each member to update their contact information, phone, address, email or updated license and call sign information. Please contact the treasurer and update your information.

The best way to do this is to give the treasurer a written note with your updated information.

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

We wish to thank Jim Schings for allowing the club to use his farm for the Annual Field Day.

Central Kentucky ARRL Hamfest has been cancelled.

The Annual Family Picnic scheduled for September has been cancelled.

Fayette County ARES

Coordinator - Sandy Gragg

The Fayette County ARES net has resumed. Remember the Fayette County ARES net every Tuesday at 8:30 pm on the 146.94 repeater.

We are looking for more folks that would help share in the net control. If you would like to Help, contact Sandy KM4PJU, at 859-699-0035

New 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!!!

"America will never be destroyed from the outside. If we falter and lose our freedoms, it will be because we destroyed ourselves."

— Abraham Lincoln

ANNOUNCEMENT

Nominations for the positions of BARS treasurer and Director at Large closed on June 25 the list of candidates will be published in the Club Newsletter.

Ballots have been mailed to all current club members on July 6. Ballots must be returned and be in the club mailbox or personally delivered to the club treasurer by 5 pm on August 17.

A special membership meeting will be held at 7 pm on August 17th for the sole purpose of counting the ballots and announcing winners.

A special membership meeting deals only with concluding an election. It is not a substitute for a scheduled board meeting where other issues may be discussed. The location of the meeting is at the Arlington Christian Church, located at N. Limestone St., Lexington, KY

The meeting on August 17 th is for a limited (10) persons due to the current restrictions on size of gatherings.

“My concern is not whether God is on our side; my greatest concern is to be on God’s side, for God is always right.”

— Abraham Lincoln

The nominations for the two currently open positions are:

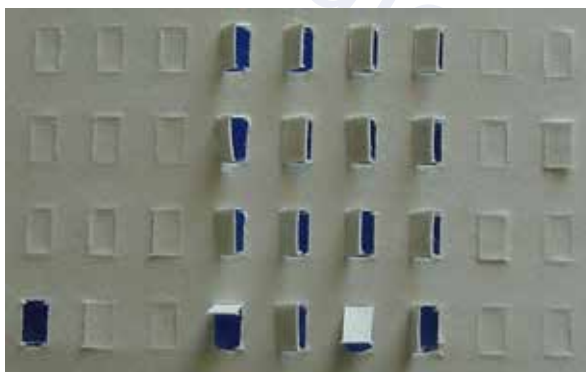
TREASURER

JODIE WELLS

DIRECTOR-AT-LARGE

CHRIS GAY
BART BREEDING

Ballots have been mailed out on July 6, 2020 and need to be returned either by mail (must be in the club's mail box) or in person to Bruce Campbell, Secretary, no later than 5 pm August 17, 2020. A special membership meeting will be held at 7 pm on August 17th for the sole purpose of counting the ballots and announcing winners



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.

An Introduction to ARES

Many people -hams and non-hams -view amateur radio as a skill that can be used to help their communities during times of crisis or disaster when normal communication services become overloaded or fail completely. Many people get into amateur radio specifically so they can be of assistance at those times. Your skills as a trained radio operator are an asset to your community.

ARES® offers a way for you to be of assistance when it matters.

Public service is part of the reason for amateur radio's existence. Part 97.1 of the FCC rules and regulations lays out the basis and purpose of the Am amateur Radio Service, and describes one of its core principles as follows: "Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications."

ARRL, the national association for ham radio in the US, recognized the value of having a trained group of skilled operators who could be called upon in times of need, and in 1935 created the Amateur Radio Emergency Service® (ARES®), which "consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes."



Basic membership in ARES requires having an amateur radio license and a desire to serve, but that 's just the beginning.

Organization and Partnerships

Because disasters are generally local or regional events, ARES is organized through ARRL section leadership. ARRL Section Managers appoint a Section Emergency Coordinator who oversees ARES activity in the section. Coordinating through the ARRL-appointed local Emergency Coordinator, volunteers can form an ARES group to support ARES activity in their area.

Often, local ARES leadership has formed partnerships or special relationships with local government agencies or disaster services, such as the American Red Cross or Salvation Army. ARRL has memorandums of understanding (MOUs) with these and to her agencies at the national level.

The Value of Training

To be effective as a full member of ARES, you will need to complete some basic training. Local ARES groups work closely with government emergency management offices and partner agencies, often requiring volunteers to be familiar with the structure of the Incident Command System (ICS), a standardized hierarchy that assists multiple agencies in organizing and executing a cooperative incident response. Independent study courses in incident command are offered at no cost by FEMA at [training.fema.gov/nims](https://www.fema.gov/nims), and by ARRL, which offers two courses in public service communications, EC-001: Introduction to Emergency Communication, and EC-016: Public Service and Emergency Communications Management for Radio Amateurs. The ARRL courses, which are available at [arrl.org/online-course-catalog](https://www.arrl.org/online-course-catalog), can be completed online or through field study. Completing FEMA ICS-100 and ARRL EC-001 will give you an understanding of what will be expected of you in this area of amateur radio, as well as an introduction to the terminology that is used.

(continued on page 7)

***continued from page 6, ARES)**

Training is not all book learning. It can also include fun hands-on things like regular on-the air activities that keep skills fresh, or volunteering to support radio communications at local events like parades or races. Because local ARES members are part of the community, their friends and neighbors welcome their participation in these events. Participation in public service activities not only helps sharpen your communication skills, but it's a great way to familiarize yourself with the people you will be working with should a real communications emergency present itself. It's also a great way for your ARES group to demonstrate their skills to the local served agencies.

Gear for Getting Started

You don't need special equipment to be a member of ARES, but many ARES members have put together some gear that would be useful in an emergency. ARES folks refer to these kits as go-kits or bug-out bags. A go-kit can be as simple as a small bag with a handheld VHF/UHF radio, spare batteries, a raincoat, a bottle of water, and snacks (see "Go-Kit Basics" in the May/June 2020 issue of On the Air for more about this type of go-kit). Others can be elaborate affairs built into large travel cases, with equipment capable of providing long-haul voice and digital communications for extended periods.

How to Get Involved

Contact your Section Manager for more information on how you can get involved with your local ARES. You can locate your Section Manager at arrl.org/sections.

The Amateur Radio Service is a trained pool of communicators and technicians with a willingness to serve the community. ARES offers you a way to expand your technical knowledge and hone your radio communication skills in a way that will allow you to serve your neighbors, should a disaster strike

Links to More Information ARES Information:

arrl.org/ARES

FCC Rules and Regulations Part 97:

arrl.org/part-97-amateur-radio

Training from ARRL:

arrl.org/online-course-catalog

Training from FEMA:

training.fema.gov/nims



James Plumlee, KISDAZ, serves as Net Control Operator for a hospital net during an exercise in Tulsa, Oklahoma. Exercises that simulate real-world crisis situations are an important part of ARES involvement. (Paul Teel, WBSANX, photo]

ON THE AIR July/August 2020

Schedule for Volunteer Examinations in 2019-20

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

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

Test Session Locations

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

* August, Bluegrass ARS Hamfest, Eastland Shopping Center, Lexington, Kentucky
 ** September, Richmond Hamfest, Madison County Fairgrounds, Richmond, Kentucky

Contact Information

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

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

Date and Time	VEC	Location
September 12, 2020 10:00 am (ARRL VEC)	Georgetown Police Department	Georgetown, KY
Pre-Registration Required by emailing or calling the Contact Person shown		
September 19, 2020 12:30 pm (W5YI VEC)	Clark County Emergency Operation Center	200 Maryland Ave in Winchester, KY
Pre-Registration Required by emailing or calling the Contact Person shown		

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>

September 25th and 26th, 2020, Pigeon Forge, TN

Hello Friends and Club Officials

I want to ask that you pass along this announcement about this years W4DXCC convention onto your club members and friends, thank you in advance.

Hello from W4DXCC 16 DX and Contest Convention. This is our 16th year! The Mainstay Suites and Convention Center is open for business as of today May 8th and will be ready to host this years W4DXCC DX and Contest Convention for 2020 September 25-26th.

Plan on attending today! The Website has been updated with the latest News. Be sure to SEE all those who attend last year in the picture gallery Here 2019 Photos.

Go Here for the W4DXCC website W4DXCC

Friday 25th is the Ham Radio Bootcamp where we do our best to provide the knowledge to New and Experienced Hams alike. If your new to some of the new digital modes like FT8-FT4 you wont want to miss Bootcamp.

Saturday 26th is the Main Convention where we have 6 presenters giving you the inside scoop on what is going on. Following each presentation we have time for questions if you would like to know more.

We have all of the leading radio and equipment manufacturers setup in the lobby with the latest gear for you to twist the knobs or click the mice. 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 hands on with an Elmer to show you the ropes and make QSO's in CW, Phone and different digital modes.

The Convention is a great place to meet with your friends. Coordinate with your friends to attend the convention and spend time with them reminiscing of the good old days.

We will have VE Testing on Saturday so get to studying for that test and also study for that Upgrade! It is time to make your Hotel reservations for this years convention. Online ticket ordering will open May 15th. Go here to the Website Hotel reservation page Hotel Reservations.

The Convention admission includes Snacks and Drinks during Saturdays session and Lunch. Convention Registration is Open May 15th including Online Ticket Purchasing. There is an evening Banquet that you can attend. When you purchase your Convention tickets also buy the Banquet tickets, seating is limited for the Banquet.

You can make your ticket purchase anytime after May 15th by going here Online Ticket Purchase Check out the Website and learn about the W4DXCC DX and Contest Convention. Go Here

Best 73

See you soon,

Dave Anderson, K4SV

Convention leader

Dave@w4dxcc.com

The Mystery of Ham Radio's "Magic Band"-6 Meters

The nickname for 6 meters (50 to 54 MHz) implies that there's something mysterious and even spooky taking place - and there is!

Let's say you turn on your transceiver and tune to 50.125 MHz, the SSE calling frequency on the 6-meter band. Chances are you'll hear nothing but noise for hours on end. But at times, you'll suddenly hear voices from hundreds and even thousands of miles away.

These signals may remain for minutes or possibly hours before abruptly vanishing.

What's going on here?

The magic behind the Magic Band is caused by a phenomenon known as sporadic E, often abbreviated as E5. "Sporadic" refers to the fact that it comes and goes randomly. The "E"

is a reference to the E layer of our ionosphere, a region about 100 miles above the surface of Earth.

When sporadic E is in play, clouds of ionized gas form in the E layer and act like mirrors reflecting radio signals over great distances. These clouds appear without warning and disappear just as quickly. They even move around, causing signals to come first from one area, and then another. The reflections are so efficient that there is little signal loss. As a result, you don't need high power or big antennas to enjoy sporadic-E communication. Just a wire dipole antenna will do the trick. Dipoles for 6 meters are only about 9 feet long.

Most signals bounce off the clouds and come back down at distances ranging from about 500 to 1,500 miles. This is known as single hop sporadic E. However, there can also be more than one cloud, and signals can sometimes bounce off one cloud, return to Earth, bounce again, and then reflect off another, more distant cloud! This is called double hop sporadic E, and it can cause signals to span entire continents.

No one knows what causes sporadic-E clouds to form. It's one of the enduring mysteries of radio propagation that scientists have yet to explain. We know that sporadic E tends to take place between May and August. There's another period in December and January. But sporadic-E propagation can appear at any time, which is part of what makes it so strange. It usually happens between late morning and late afternoon, but there have been reports of sporadic E occurring in the middle of the night as well.

Sporadic E isn't just a 6-meter phenomenon. You can encounter it on 10 meters and, when it is particularly intense, on 2 meters. Some sporadic-E fans keep radios parked on 50.125 MHz, waiting for the sudden appearance of signals.

The popularity of the FT8 digital mode on 6 meters has also proven to be a valuable tool for staying on top of sporadic-E activity. The most popular FT8 software, WSJT-X, can monitor common FT8 frequencies

(such as 50.313 MHz) and automatically report activity in real time to internet sites such as PSKreporter at pskreporter.info/pskmap.html.

ON THE AIR July/August 2020

Portable Antenna Tuner • Tiny Morse Code Key • Soldering Practice • Technical Information Service



August 22 & 23

International Lighthouse Lightship Weekend

Each August, hams flock to lighthouses, and sometimes lightships, all over the world for the International Lighthouse Lightship Weekend.

The goal is to set up temporary amateur radio stations and contact as many hams as possible. These portable stations also help promote amateur radio to the public.

You don't have to operate from a lighthouse to join the fun. You can just listen for lighthouse stations and make contact using any communication mode you desire (voice, CW, digital). Some participating stations offer special certificates or *QSL cards* — contact-confirmation postcards that some hams enjoy collecting. The lighthouse stations operate primarily on HF frequencies, but many also include VHF stations with their antennas mounted at the top of the structures for wide coverage.

If you want to try operating from a lighthouse, you must first contact the owner (often a government agency) and request permission. They'll want to know details, such as how many people will be present, where you plan to place your antennas, and so on. Keep in mind that your station doesn't have to be on or inside a lighthouse or lightship; operating from a nearby vehicle lot or park is sufficient.

This year's event is still scheduled to take place from midnight UTC August 22 until midnight UTC August 23. Just follow any restrictions that may still be in place in your area. You'll find complete details at illw.net.

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		Bands	Contest Name	Mode	Exchange	Sponsor's Website	
Date-Time	Date-Time						
1	0001 2	2359	28	10-10 International Summer Contest, SSB	Ph	Name, mbr or '0,' SPC	www.ten-ten.org
1	1200 1	2359	1.8-28	European HF Championship	CW Ph	RS(T), 2-digit year first licensed	lea.hamradio.si/~scc/euhf
1	1400 1	1800	144	WAB 144 MHz Low Power Phone	Ph	RS, serial, WAB square or country	wab.intermip.net
1	1800 2	0559	1.8-28	North American QSO Party, CW	CW	Name, state/DC/province/country	www.ncjweb.com
1	1800 2	1800	222 and up	ARRL 222 MHz and Up Distance Contest	CW Ph Dig	6-char grid square	www.arrl.org/222-mhz-and-up-distance-contest
2	1400 2	1700	3.5-14	SARL HF Phone Contest	Ph	RS, serial	www.sarl.org.za
4	0100 4	0159	1.8-50	Worldwide Sideband Activity Contest	Ph	RS, age group (OM, YL, or youth)	wwsac.com/rules.html
4	0100 4	0300	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
5	1700 5	2000	144	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
6	1700 6	2100	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	nrau.net/activity-contests
6	1900 6	2100	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or power	www.skccgroup.com
8	0000 9	2359	3.5-28	WAE DX Contest, CW	CW	RST, serial	www.darc.de/der-club/referate/referat-conteste/worked-all-europe-dx-contest/en
8	0800 8	1100	1.8-28	QRP ARCI European Sprint	CW	RST, SPC, mbr or power	qrparci.org
8	1200 9	2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or 'none'	www.skccgroup.com
8	1400 9	0400	1.8-144, 432	Maryland-DC QSO Party	CW Ph Dig	Entry class, county or SPC	w3vpr.org/mdcqsop
10	0000 10	0200	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
10	1200 10	1400	7	SARL Youth Sprint	Ph	RS, age	www.sarl.org.za
11	1500 13	1459	144	MMMonVHF 144 MHz Meteorscatter Sprint Contest	CW Ph Dig	Signal report	mmonvhf.de/ctestinfo.php
12	0030 12	0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info/sprint
12	1700 12	2000	432	VHF-UHF FT8 Activity Contest	Dig	4-char grid square	ft8activity.eu/index.php/en
15	0000 16	1600	3.5-28	SARTG WW RTTY Contest	Dig	RST, serial	www.sartg.com
15	0600 16	2359	10 GHz to light	ARRL 10 GHz and Up Contest	CW Ph Dig	6-char Maidenhead locator	www.arrl.org/10-ghz-up
15	0800 16	0800	1.8-28	Russian District Award Contest	CW Ph	RS(T), RU district code or serial	rdaward.org/rdact1.htm
15	1200 16	1200	1.8-50	Keyman's Club of Japan Contest	CW	RST, JA prefecture/district code or continent	kcj-cw.com
15	1600 15	1759	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, 4-char grid	sites.google.com/site/feldhellclub
15	1800 16	0559	1.8-28	North American QSO Party, SSB	Ph	Name, state/DC/province/country	www.ncjweb.com
15	2100 16	2100	3.5-28	CVA DX Contest, CW	CW	RST, category	cvadx.org/regulamento
16	1400 16	1700	3.5-14	SARL HF Digital Contest	Dig	RST, serial	www.sarl.org.za
16	1700 16	2100	3.5-28	NJQRP Skeeter Hunt	CW Ph	RS(T), SPC, Skeeter number or power	www.qsl.net/w2lj
16	1800 16	2359	3.5-28	ARRL Rookie Roundup, RTTY	Dig	Name, 2-digit year first licensed, state/province/XE area/DX	www.arrl.org/rookie-roundup
16	1900 16	2359	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrptest.com/pigrun
22	0400 24	0400	1.8-28	Hawaii QSO Party	CW Ph Dig	RS(T) + HI district or SPC	www.hawaiiqsoparty.org
22	1600 23	0400	3.5-28	Ohio QSO Party	CW Ph	RS(T), county or SPC	www.ohqp.org/index.php/rules
22	2100 23	2100	3.5-28	CVA DX Contest, SSB	Ph	RS, category	cvadx.org/regulamento
22	2300 23	0300	50	50 MHz Fall Sprint	CW Ph Dig	4-char grid square	svhfs.org
26	0000 26	0200	1.8-28	SKCC Sprint	CW	RST, SPC, name, mbr or power	www.skccgroup.com
29	0600 30	0559	3.5-28	ALARA Contest	CW Ph	RS(T), name	alara.org.au/contests
29	1200 30	0300	1.8-50	W/VE Islands QSO Party	CW Ph Dig	RS(T), USI/CISA island designation or SPC	usislands.org/qso-party-rules
29	1200 30	1159	3.5-28	SCC RTTY Championship	Dig	RST, 4-digit year first licensed	lea.hamradio.si/scc/rtty
29	1200 30	1200	3.5-28	YO DX HF Contest	CW Ph	RS(T), YO county or serial	www.yodx.ro
29	1200 30	1200	1.8-28	World Wide Digi DX Contest	Dig	4-char grid square	ww-digi.com
29	1400 29	2200	3.5-28	Kentucky State Parks on the Air	CW Ph Dig	KY park abbreviation or SPC	k4msu.com/kypota
29	1400 30	2000	3.5-50	Kansas QSO Party	CW Ph Dig	RS(T), county or SPC	ksqsoparty.org/rules/KSQPRules2019.pdf
30	1400 30	1700	3.5-14	SARL HF CW Contest	CW	RST, serial	www.sarl.org.za
31	1300 31	1400	1.8-28	QCX Challenge	CW	RST, name, SPC, rig	www.qrp-labs.com/party.html
31	1900 31	2000	1.8-28	QCX Challenge	CW	RST, name, SPC, rig	www.qrp-labs.com/party.html

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.*

There are no minutes for July General meeting of the Bluegrass Amateur Radio Society, Inc., since the meetings were cancelled.

There are no minutes for the Board meetings as of yet.

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.

Because of the recent restrictions that the Governor has placed on social gatherings -- no more than 10 people, I am now planning to delay our scheduled August 3rd meeting until Monday, August 17. If the restrictions remain in place on that date, the meeting will be limited to just the Board of Directors and two club members designated to count the ballots. That way we can complete the election process and stay within the 10 person limit directed by the Governor.

However, I am open to suggestions on any alternate methods that will allow us to safely verify the election and complete the process.

Brad WA4HBM

Program Schedule for 2020

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

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

Month	Topic	Presenter(s)	Comments
✓ January	"Winter Field Day" January 25-26, 2020	David Richardson/W9KHZ	
✓ February	FT8 Digital Mode	Chris Gay	
✓ March	SkyWarn National Weather Service, Joe Sullivan, Louisville, KY		start time is 7 pm
✓ April	CANCELLED DUE COVID -19		
✓ May	CANCELLED DUE COVID-19		
✓ June	CANCELLED DUE COVID-19		
✓ July	CANCELLED DUE COVID-19		
✓ August	CANCELLED DUE TO COVID -19		
✓ September	Annual Family Picnic		CANCELLED DUE COVID-19
October	TBA		
November	Nominating Committee Report		
December	"Annual Auction"/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 John Wulf/K4FT, johnk4ft@gmail.com, 563-505-0339, Wilderness Road Amateur Radio Club, American Legion Post 46, 45 Spears Lane, Danville, KY 40422 - Repeater 145.310 (100 pl).

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

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

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

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

Amateur Television and Specialized Communications Net

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

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

Kentucky Six-Shooters Net - Wednesday evenings at 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 Community College Science Building.

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/KO40L.

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

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

“Folks are usually about as happy as they make their minds up to be.”

— Abraham Lincoln

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 AUGUST 2020

- Sat 1 Shack closed; Open Rag chew Net 8:00 pm 146.760 neg offset no PL tone
- Sun 2 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 3 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 4 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 147.940 with a PL tone of 88.5
- Wed 5 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 ; Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);
- Thu 6 Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.
- Sat 8 Shack closed; Open Rag chew Net 9:00 am 146.760 neg offset no PL tone
- Sun 9 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 10 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 11 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 147.940 repeater and PL Tone of 88.5
- Wed 12 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 13 Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.
- Sat 15 Shack closed; Open Rag chew Net 9:00 am 146.760 neg offset no PL tone
- Sun 16 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 17 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 18 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 8:30 pm on the 147.940 repeater with a PL tone of 88.5
- Wed 19 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 20 Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.
- Sat 22 Shack closed; Open Rag Chew Net 9 am 146.760 neg offset and no PL tone
- Sun 23 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 24 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 25 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 147.940 repeater and PL Tone of 88.5
- Wed 26 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 27 Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control
- Sat 29 Shack closed; Open Rag chew Net 8:00 pm 146.760 neg offset no PL tone
- Sun 30 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 31 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.