ARRL Standard

Pray for our Troops

God Bless America!

QUA/HAMnews

August 2019

CONTENTS

HAMFEST AUGUST 10, 2019

QUICKY NOTES

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

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

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

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

The August program will be a
discussion on our upcoming "Hamfest"
and will be presented by David Richardson.

Reports of the RECORD OF THE BY LAWS COMMITTEE MEETINGS
will not be published in the newsletter due to length.
Contact Secretary Bruce Campbell to obtain a copy of the reports.

CENTRAL KENTUCKY HAMFEST
SATURDAY AUGUST 10, 2019

QUA/HAMnews   August 2019

Meeting Notice

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

The general meeting of the Bluegrass Amateur Radio Society, Inc., will be held Monday, August 5,, 2019, at 7:30 PM, in Meeting Room B, second floor of the Red Cross Building, 1450 Newtown Pike, Lexington.

The program will be about the upcoming "Hamfest" and will be led by David Richardson.   Do you have a topic you would like a program on or a program you would like to present? Do you have a home brewed project you have built? Bring it and show it off! Question? Ask it! Maybe your question isn't one about a Club activity or function, maybe you are having a problem getting some newly acquired equipment set up and operating correctly, or you have an antenna with
radiation problems. Regardless of your question, problem, or suggestion, bring it to the Club meeting.

The Club shack is open most Saturday mornings for anyone to operate the Club's stations, or to bring pieces of equipment out to be tuned or checked, or to learn about Amateur Radio, or to just sit around and talk
just drop in, no appointment necessary.
Bluegrass Amateur Radio Society's ham shack is located in the basement of the Red Cross building at 1450 Newtown Pike Lexington, KY 40511. Entrance is down the steps (look for the BARS banner hung on the railing) at the North Side of the building.

DUE TO CONSTRUCTION ON THE PLAYGROUND
NEAR SHELTER #2, OUR ANNUAL PICNIC
WILL BE HELD AT SHELTER # 4
AT SHILITO PARK IN SEPTEMBER

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

Now is the time to update your contact information with John Barnes. The clubs needs to make sure we can contact you. Also, if you have not paid your dues for 2019, they are due.

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 Andrew Cook/KF4OWP, President, Bluegrass ARS, Inc., PO Box 4411, Lexington, Kentucky 40544-4411 (KF4OWP@gmail.com).

The person selected from your nominations will be honored during a special award ceremony held during the BARS Annual Picnic, on September 9, 2019. Many arrangements must be made, so do not put this off.

Rules

1. This award is to be presented during the annual Family 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 9, 2019) will not be considered.

3. Nominations must be in writing and signed, or by e-mail with submitter's 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 Picnic. 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 Picnic.

7. The name of the winner and the contents of the commendation letter will be published in the Club newsletter following the Family Picnic.

(Due to an oversight, we will only make this announcement two months prior.)

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 **Previous Winners of the Ernie Farmer Memorial Award** they are always there when needed and do not hesitate to get involved.

1979 - Sam Humphries/WA4KKV
1980 - William Alcock/W4CDA (Danville)
1981 - Bill Shepherd/W4AUZ
1982 - Mike Mahlbacher/WA4UQA
1983 - Ed Bono/WA4ONE, and
          Harry Bradshaw/W4TPB (SK)
1984 - Bill DeVore/N4DIT
1985 - Ed White/KD4TQ (SK)
1986 - Scott Hackney/KI4LE
1987 - Nan Muth/AA4UN, and
          John Boyers/W8OM (Plain City,
          Ohio)
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
2012 - Pete Clough/WD4GPO
2013 - Pat Hayden/AI4W
2014 - Glenn A. Dawson/AK4HA
2015 - No nominations received
2016 - Joseph Wallace/KE6IVK
2017 - Christopher Gay/KU4A
2018 – David Richardson/W9KHZ

Our Technology – What is System Fusion?

http://systemfusion.yaesu.com/what-is-system-fusion/

System Fusion is Yaesu's implementation of Digital Amateur Radio, utilizing C4FM 4-level FSK Technology to transmit digital voice and data over the Amateur radio bands. In the early 2000's GMSK emerged in the Amateur radio market as the dominant digital mode, however in 2013 Yaesu introduced "System Fusion" which quickly became the dominating digital format in Amateur radio because of quality, reliability and enhanced performance in a wide range of environments. Digital Communication modes have gained popularity over the years in the market because of superior performance in environments with interference, noise and other contributing factors that degrade the quality of a standard FM Analog signal. Narrower bandwidth and the need for increased spectrum have led to the development of digital communications technology, which has been widely adopted in the Public safety and private business sectors that use two-way radio technology. Unlike it's commercial counterpart, System Fusion is an Amateur Friendly Digital Operating mode, straying away from some of the design considerations that make commercial solutions less appealing and more difficult for Amateur Radio Operators, providing a simpler interface and features that meet the demands and needs of the Amateur enthusiast specifically. Below you will find more information on this marvelous new technology, and how it can meet every operators demand and needs for a clear and simple Digital Experience.

The Four Operating Modes of System Fusion
D (Digital Narrow) – Voice+Digital or "V/D" mode
Voice FR (VW) Mode – Utilizes all available bandwidth for high-fidelity voice operation, providing the most crystal clear of voice communications.
Highspeed Data
Transfer data such as images or text messages at full rate with speeds up to 9600 Bits-per-second
Analog FM Mode
Maintains backwards compatibility with existing Analog FM Equipment, allowing a wide range of

allowing a wide range of users to experiment with System Fusion Digital. Capabilities such as Automatic Mode Select (AMS) On the DR-1X Repeater allow an even wider range of users to communicate, by running the repeater in "Fixed FM" mode on Transmit, and "Automatic Mode Select" on receive the repeater will automatically detect the incoming signal and convert it to an Analog FM Transmission. This mode allows digital users to communicate with existing Analog FM users without the need to switch their radios into FM Mode, allowing crystal clear Digital reception into the repeater that is converted into a conventional FM Signal.

Automatic Mode Select – Complete Digital Co-existence

This function instantly recognizes whether the received signal is C4FM digital or conventional FM. The communication mode automatically switches to match the received mode. Even if a digital signal is being used, you can switch to FM communication if radio signals are received from a FM station. This function enables stress-free operation by removing the need to manually switch the communication method each time.

AMS function breaks down into the following operating modes that are fully selectable by the radio user:

• **AUTO**: The both RX/ TX mode is automatically selected from one of the four operating modes (DN, VW, DW and FM) to match the characteristics of the received signal. This is the current AMS operation.

• **TX MANUAL**: The both RX/ TX mode is automatically selected from four operating modes to match the characteristics of the received signal. And if desired to change the TX mode, by pressing the Microphone PTT switch momentarily, the TX mode switch between DN and FM modes.

• **TX FM FIXED:** The RX mode is automatically selected from one of the four operating modes, but the TX mode is fixed to FM.

• **TX DN FIXED**: The RX mode is automatically selected from one of the four operating modes, but the TX mode is fixed to the 'DN' (Digital Voice Narrow) mode.

• **TX VW FIXED**: The RX mode is automatically

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selected from one of the four operating modes, but the TX mode is fixed to the 'VW' (Digital Voice Wide) mode.

Enhanced Communication Functions of System Fusion

Yaesu incorporated a suite of features within the System Fusion product line that are designed specifically for Amateur Radio Use. These features allow the operator to transmit High quality digital voice simultaneously along with Digital Data, and a High Rate (Data FR Mode) dedicated Digital Data mode that provides a method of transmitting Images, Text message and Telemetry Data at a high rate of speed.

Group Monitor (GM)

Digital Group Monitor automatically checks whether users within a communication group are in or out of range, and displays information such as distance and orientation on the screen of the client radio for up to 24 Stations.

Each individual group can share Text and Picture messages between themselves, allowing intelligent control of how content is distributed amongst a large operating group.

Group Monitor is almost an invaluable feature when an operator or group of operators needs to track resources, such as in an emergency communication operation. Resources can easily be tracked and controlled, letting operators know when they are going to fall out of range and may need to return to the coverage area, or providing invaluable telemetry data for locating and tracking individual operators.

Snapshot Function (Picture Messaging)

By simply connecting the optional MH-85A11U Speaker Microphone with Camera, an operator can quickly take advantage of the high speed data functions of any System Fusion C4FM radio and can easily transmit images to other C4FM users. Image data which sent from a group member is displayed on the full-color screen of the FTM-400DR or Monochromatic display of the FT2DR. This image data also retains a time record and the GPS location data of the snapshot. It is easy to navigate to that pictured location by using back track function. In addition, you can observe on the screen whether the transmitted data was successfully received by the member station. The snapshot image or received data is stored in a high capacity

capacity micro SD card, and you can recall and send that image data from the SD card anytime. The pictures and data files may be easily viewed and edited by using a personal computer by simply inserting the SD Card into any SD Card reader.

Smart Navigation Functions/Backtrack Function

The Smart/Real-time navigation function enables location checking at any time. In digital V/D mode, information such as position data is transmitted together with voice signals so the distance and direction to the other stations can be displayed in real-time while communicating with them.

The Backtrack Function enables navigation to a registered location at the touch of a button. When hiking or camping, simply register your starting point or campsite before departure, and the distance and orientation from the current location are displayed on the screen.

Text messaging could not be simpler, with direct entry via T9 Text input or the On Screen Keyboard (FTM-400), messages can be sent quickly to an individual operator or group of operators (GM Mode).

Easy Infrastructure Migration

Migrating to System Fusion could never be easier! Since System Fusion enables the operator to quickly select operating modes using the revolutionary AMS (Automatic Mode Select) System, backwards-compatibility is fully maintained. Using the Yaesu DR-1X Repeater enables seamless integration with existing Analog systems.

Two main factors make System Fusion the ideal choice for existing infrastructure replacement:

• Increased spectrum efficiency – Yaesu System Fusion allows a repeater trustee, club or group to install a Digital Repeater that is also analog, thus eliminating the need for an extra frequency pair to perform digital communications. By using the System Fusion DR-1X Repeater the trustee can add Digital AND Analog capabilities to an existing 2-Meter or 70CM Repeater pair without the need for an additional frequency pair that is dedicated to Digital Only communications.

• Easy Installation and configuration – Most Yaesu System Fusion customers have reported replacing current infrastructure only takes about 15 minutes.

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Intuitive touch screen interfaces and simple pro-gramming make repeater installation a breeze.

• **WiRES-X – Wide-Coverage Internet Repeater Enhancement System**

• WIRES-X (Wide-Coverage Internet Repeater Enhancement System) is a comprehensive and easy-to-use system for linking repeaters and/or home stations together, using Internet voice technology. Now you can talk to old friends, or make new ones, around the world.

WIRES-X

• **What is WIRES-X?**

• WIRES (Wide-coverage Internet Repeater Enhancement System) is an Internet communication system which expands the range of amateur radio communication. For WIRES-X, an amateur node station connecting to the Internet is use as the access point and connects the wireless communication to the Internet. Users' stations can communicate with other amateur stations all over the world using a node within the radio wave range.

• **WIRES-X Features**

• WIRES-X supports the C4FM digital and the clear and crisp voice technology enables high sound quality. By repeating C4FM digital data as it is via the Internet, users can enjoy clear voice communications even if they are thousands of miles away each other. Utilizing the digital communication, the WIRES-X operation is simple, easy and user friendly. Varieties of the new functions as well as voice communications expands opportunities for enjoyment of ham station operation.

• **Smart Access Functions**

• WIRES-X automatically connects to nodes and rooms via the Internet. No more need to verify connection IDs or transmit cumbersome DTMF connection codes. Information about nodes and rooms is exchanged via C4FM Digital signaling. Thanks to automatic reconnection to the previous contact, all you need to do is press PTT and start talking. Easily search for new nodes and rooms, and initiate communication promptly when you find an ID that captures your interest.

• **Activity Monitor Function**

• Currently active nodes and rooms can be searched in real time, and viewed on the display of

transceiver. The display list is sorted according to the number of stations currently connected to the room, in other words by popularity. This lets you quickly find other active stations to communicate with. Node owners can freely create a room ID using letters and numbers. The ID works a bit like the name of a person. Easy to understand, meaningful names, unique names, memorable names… all are possible and can be used in a targeted search. A history of previous nodes and rooms, and a memory function with five categories makes it a snap to find and connect with a particular ID.

• **News Station Function**

• News bulletins (messages, images, voice memos) can be freely uploaded to nodes and rooms. Other users can download the saved news information. For example, sharing traffic information or other local news, or sending a snapshot of a meeting place to fellow operators, as well as a myriad of other uses are possible. It does not matter whether someone is nearby or in a country far away. WIRES-X offers a way to overcome barriers of distance, time, or even language. Welcome to a world of previously unheard-of possibilities for connecting and communicating by way of Amateur Radio and the internet.

• **Preset Search Function**

• Search and connect to local node stations with a simple button touch. The system will automatically obtain node station information and setup the required frequency and digital code parameters. Wherever there is a WIRES-X local node station that is reachable by Amateur radio, complicated connection operation steps are no longer necessary. Node station ID, city name, as well as distance and bearing are indicated on the display of the transceiver, and can be checked at a glance. * Now you can communicate worldwide with ease and confidence. (* Only if published by the node station)

• **Other Notable Features**

• **Digital/Analog Mutual Communication**

• WIRES-X of course also supports traditional analog FM users. Not only can analog FM stations have a QSO with each other, WIRES-X also permits C4FM Digital stations to communicate with analog FM stations. WIRES-X is an FM friendly digital solution, because Amateur Radio should always allow operators to communicate freely all over the globe.

(continued from page 6, Our Technology)

- **Node Setup Is Easy With WIRES-X**
- Establishing the connection between the HRI-200 and a computer is quick and simple, requiring only a single USB cable. Support for USB bus power means that an additional external power supply is not needed. Opening ports in the router also can be done with a simple setting in the WIRES-X software, using the UPnP function. (May not be supported by some routers.) Working your way through complicated router settings is a thing of the past.
- **Using WIRES-X For Internet Connected Communication**
- Just by accessing a local WIRES-X node using a C4FM digital transceiver, you can enjoy the C4FM digital communications such as the high-quality QSO and news function with stations located far away including overseas stations via the Internet. Using a C4FM digital transceiver enables a very simple access operation by following the on-screen instructions. Digital functions are not available on an analog FM transceiver, however, an audio QSO can be performed with an analog FM station or a C4FM digital station via WIRES-X.

What is C4FM

http://www.on0dhttpsp.be/?page_id=266

The introduction of C4FM / FDMA technology is the beginning of a new digital communication system in Amateur Radio world. The most attractive advantage of digital communication is the ability to transfer large amounts of data. The 12.5 kHz channel spacing in using the C4FM FDMA digital modulation mode allows high-speed data communication with reliable voice communication and strong error correction performance. C4FM FDMA offers a 9.6 kbps data transfer rate speed. It differs significantly from existing digital radio systems and expands the possibilities for interesting amateur radio activities in the future.

The C4FM / FDMA technology provides three digital modes and an analog mode (FM)

V / D-mode voice and data communication in the same time frame.

This mode allows voice data with GPS position data and the ID data to be sent in the same time frame.

In addition, transmitting the voice data with strong error correction data, this mode that contributes to the stabilization of the digital communication. This mode is the basic mode of C4FM FDMA Digital HAM radio system.

Data FR mode uses the full data rate of capacity for the Transmission of data. This mode allows you to transfer large amounts of data, text messages, pictures and voice notes data at twice the speed as the V / D-mode.

Voice-FR mode uses the full data rate of capacity for voice data.

This mode allows a clear high quality voice data transmission.

Analog FM mode is the same as the current FM mode used by all

VHF / UHF amateur radio operators .

A very useful Automatic Mode Select function identifies and selects

These four modes automatically upon receipt of the respective signal.

What is Wires-X

WIRES (Wide-coverage Internet Repeater Enhancement System) is an Internet communication system which expands the range of amateur radio communication. For WIRES-X, an amateur node station connecting to the Internet is used as the access point and connects the wireless communication to the Internet. Users' stations can communicate with other amateur stations all over the world using a node within the radio wave range.

WIRES-X supports the C4FM digital and the clear and crisp voice technology enables high sound quality. By repeating C4FM digital data as it is via the Internet, users can enjoy clear voice communications even if they are thousands of miles away each other.

Utilizing the digital communication, the WIRES-X operation is simple, easy and user friendly. Varieties of the new functions as well as voice communications expands opportunities for enjoyment of ham station operation.

WIRES-X automatically connects to nodes and rooms via the Internet. No more need to verify connection IDs or transmit cumbersome DTMF connection codes. Information about nodes and rooms is exchanged via C4FM Digital signaling.

(continued from page 7, What is C4FM)
Thanks to automatic reconnection to the previous contact, all you need to do is press PTT and start talking. Easily search for new nodes and rooms, and initiate communication promptly when you find an ID that captures your interest. Currently active nodes and rooms can be searched in real time, and viewed on the display of your transceiver. The display list is sorted according to the number of stations currently connected to the room, in other words by popularity. This lets you quickly find other active stations to communicate with. Node owners can freely create a room ID using letters and numbers. The ID works a bit like the name of a person. Easy to understand, meaningful names, unique names, memorable names... all are possible and can be used in a targeted search. A history of previous nodes and rooms, and a memory function with five categories makes it a snap to find and connect with a particular ID.

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Search and connect to local node stations with a simple button touch. The system will automatically obtain node station information and setup the required frequency and digital code parameters. Wherever there is a WIRES-X local node station that is reachable by Amateur radio, complicated connection operation steps are no longer necessary. Node station ID, city name, as well as distance and bearing are indicated on the display of the transceiver, and can be checked at a glance. Now you can communicate worldwide with ease and confidence.

WIRES-X of course also supports traditional analog FM users. Not only can analog FM stations have a QSO with each other, WIRES-X also permits C4FM Digital stations to communicate with analog FM stations.

Program Schedule for 2019

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

The following programs are scheduled for 2019. Your input and suggestions for programs for 2019 are needed. Call David Richardson,W9KHZ at 869-983-1380 or e-mail at daveinlex3@gmail.com/.

	Month	Topic	Presenter(s)	Comments
✓	January	"Winter Field Day" January 26-27, 2019	David Richardson/W9KHZ	
✓	February	CERT Program	Shelly Bendall LFUCG	
✓	March	SkyWarn National Weather Service, Louisville, KY Joe Sullivan		
✓	April	Portable Go-Kit	David Richardson/W9KHZ	
✓	May	Antenna Theory and Design	Bill Fuqua/WA4LAV	
✓	June	"ARRL Field Day" June 22-23, 2019	David Richardson/W9KHZ	
✓	July	Lightening Protection	Jim Bacher	
	August	"Hamfest" August 10, 2019	David Richardson/W9KHZ	
	September	Annual Family Picnic	Bill DeVore	Shelter#4, Shillito Park, LEX
	October	Discussion of By-Laws and SOP changes		
	November	Report of Nominating Committee	Additional discussion on By-Laws and SOP	
	December	"Annual Auction"/Election	Andrew Cook	

Meeting Schedules for Area Clubs, Exam Sessions, etc.

Volunteer examinations are held in or near Lexington on a schedule that has tests in central Kentucky every month of the year. Schedules for area sessions, plus meetings, etc., are as follows:

The Bluegrass Amateur Radio Society, Inc. (Lexington) - (Fernie Williams/KE4MAI (ARRL - $15.00) and Margie Williams/KE4MAJ(WCARS- $10.00)), with Darrell/AC4YD in Winchester and Richmond (W5YI), John/K4FT in Danville (ARRL), and Ron/WX4GPS in Georgetown (ARRL - $15.00), have a schedule to offer an exam monthly in Lexington/central Kentucky. (See schedules on page 10 of this newsletter). ARRL sponsored tests are held the second Saturday of the month, 10:00 AM in the Red Cross Building, Meeting Room "B", 1450 Newtown Pike, Lexington (except the August session is the Saturday of the second weekend of the month and is held at the site of the Central Kentucky ARRL Hamfest), and WCARS sponsored sessions are held the third Tuesday of the scheduled month, 7:00PM in Meeting Room "A" in the Red Cross Building, 1450 Newtown Pike, Lexington. Contact Margie/KE4MAJ at 859-489-6274 or email to ke4maj@arrl.net. Go to <http://www.lexkywcars.org> for information.

Winchester (W5YI VEC) - They are located in the Clark County EOC, 200 Maryland Avenue, Winchester, Kentucky. Their 2019 schedule (10:00AM): Saturday, January, 12, Saturday, April 13, Saturday, July 13, and Saturday, October 12. Contact Liaison Darrell Epperson/AC4YD, AC4YD@arrl.net, 859-771-1834

Danville (ARRL VEC) - Test sessions are fourth Saturday in January, April, July and October at 10:00 AM. Liaison John Wulf/K4FT, johnk4ft@gmail.com, 563-505-0339, Wilderness Road Amateur Radio Club, American Legion Post 46, 45 Spears Lane, Danville,KY 40422 - Repeater 145.310 (100 pl).

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

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

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

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

Amateur Television and Specialized Communications Net
- An informal meeting is held every Sunday evening at 9:00 PM   (local time)

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

Kentucky Six-Shooters Net - Wednesday evenings at 8:00 PM six meters FM on 52.525 MHz (vertically polarized). David Jordan/KI4AWZnet control; and, Daily Six-Meter FM Ragchew net 7:00-9:00 PM on 52.525MHz (vertically polarized). James Peel/KG4VAR net control.

KY-QRP - Temporarily canceled.

Scott County Amateur Radio and Emergency Service Club (SCARES) - Meetings are the third Saturday each month, 9:00 AM in the Solarium room at Georgetown Community Hospital, 1140 Lexington Road, Georgetown. Check in to their weekly simplex net Tuesdays at 7:00 PM on 146.685 (PL 141.3).

Central Kentucky ARS (Richmond-Berea) - Meet the Third Thursday each month in the Madison County EOC, Richmond, Kentucky, at 7:00 PM. Talk-in on 146.865 (-600, PL-192.8 Hz) and 145.370 (-600, PL-192.8 Hz) repeater for location, directions to meeting site, or other information.

Greater Mason County ARA meeting, 7:00 PM, second Tuesday each month, Maysville Community College Science Building.

Pioneer ARC (Winchester) - Fourth Tuesday each month, Golden Corral Restaurant, 7:00 PM (eat at 6:00), except March 26 meet at Christview Christian Church (SkyWarn). Talk-in/info on 145.430 (-600 ,T-203.5).

Jessamine Amateur Wireless Society (Nicholasville) - Meet Second Monday each month, 7:00 PM, St. Joseph/R.J. Corman Ambulatory Care Center, 1250 Keene Road (U.S. 27 Bypass south to intersection with 169; turn at the light.) Talk-in on the 145.490 (T-123.0).

The Jessamine County ARES Net - Tuesdays at 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control..

The Madison County ARES Net, Monday at: 7:00 PM, 146.865 (pl 192.8). Everyone is invited to check in. . . Wilderness Trail Emergency Net, Wednesdays, 8:30 PM, 146.715 (pl 100.0). . .Glenn/KO4OL.

The Southeast Kentucky ARC - meet at the Laurel County EOC, 168 Substation St, London. Meetings on odd number months (Jan,Mar, etc.) are on the Second Tuesday at 6:00 PM; meetings on even number months (Feb, Apr, etc.) are the Second Saturday at 11:00 AM. Talk-in on 147.180 (PL-74.4) for directions tor other information. 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.

> "The most terrifying words in the English language are: I'm from the government and I'm here to help."
>
> - Ronald Reagan

Schedule for Volunteer Examinations in 2019

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, ke4mai@arrl.net, 859-652-3393
   (www.bluegrassars.org)
   Danville - Liaison John Wulf/K4FT, johnk4ft@gmail.com, 563-
   505-0339, 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, August 10, 2019	10:00 am	ARRL	Lexington(Hamfest)
Saturday, September 14, 2019	12:30 pm	W5YI	Richmond (Hamfest)
Tuesday, September 17, 2019	7:00 pm	WCARS	Lexington

WIRES-X of course also supports traditional analog FM users. Not only can analog FM stations have a QSO with each other, WIRES-X also permits C4FM Digital stations to communicate with analog FM stations. WIRES-X is an FM friendly digital solution, because Amateur Radio should always allow operators to communicate freely all over the globe. ON0DP System Fusion VHF repeater is now in full digital mode. Wires X-connection is possible.
The repeater are connected , for test, in Wires-X room 27035 (Belgium North).

"Every accomplishment starts with the decision to try."

- John F. Kennedy

HAMFEST/CONVENTION

09/07/2019 | Greater Louisville Hamfest 2019
Location: Shepherdsville, KY
Type: ARRL Hamfest
Sponsor: Greater Louisville Hamfest Association
Website: http://Louisville-Hamfest.com

09/28/2019 | ARCS Hamfest
Location: Paintsville, KY
Type: ARRL Hamfest
Sponsor: Amateur Radio Community Services Club
Website: http://ky4arc.com

10/05/2019 | 8th Annual Vette City Hamfest
Location: Bowling Green, KY
Type: ARRL Hamfest
Sponsor: Kentucky Colonels Amateur Radio Club
Website: http://vettecity-hamfest.com

10/26/2019 | Hazard Hamfest
Location: Hazard, KY
Type: ARRL Hamfest
Sponsor: Kentucky Mountains Amateur Radio Club, Inc.
Website: http://kymarc.org

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"Gentlemen...tonight we will begin the Malicious Interference Net with a round of anonymous whistling, followed by free style profanity. Remember...no call signs!"

10,000sf, food, door prizes every 30 minutes! Full A/C throughout and several meeting rooms. Doors open at 8:00AM GRAND PRIZE DRAWING at 2:00 PM

Debco Electronics, Inc

BAOFENGTECH BaoFeng Radios

Walker Communications
T.A.W. Radio Equipment

BINGO

Tickets
$5.00 in Advance
$6.00 at the door

Tables $10.00 in advance, $15.00 at the door

Bluegrass Amateur Radio Society, Inc.
Lexington, Kentucky

PRESENTS

Central Kentucky ARRL Hamfest
August 10, 2019
Lexington, KY

JackPot Bingo

1230 Eastland Dr, Lexington, KY

BRYAN STATION

MEADOW PARK

MEADOWS/LOUDON

Hampton Inn
Holiday Inn Express
Quality Inn
Baymont Inn
Super 8
Comfort Inn
Country Inn
Motel 6

EASTLAND PARKWAY

HUME ROAD

1230 Eastland Drive

LEXINGTON MANOR

Winchester Rd

bluegrassars.org

TREASURER'S REPORT

Respectfully submitted by John Barnes/KS4GL, Treasurer

BLUEGRASS AMATEUR RADIO SOCIETY, INC.

INCOME, EXPENSES, AND ACCOUNT BALANCES, as of June 30,2019

INCOME:	Checking Account	PayPal Account	Savings Account	Total
ARRL Dues	0.00	0.00	0.00	0.00
BARS Dues	82.00	0.00	0.00	82.00
Coax/Repeater	0.00	0.00	0.00	0.00
Donations	0.00	0.00	0.00	0.00
Education	0.00	0.00	0.00	0.00
Hamfest	0.00	0.00	0.00	0.00
Interest	2.27	0.00	0.04	2.31
Sales Tax	0.00	0.00	0.00	0.00
Miscellaneous	0.00	0.00	0.00	0.00
Total	84.27	0.00	0.04	84.31

EXPENSES:	Checking			Total
ARRL Dues	0.00			0.00
Coax/Repeaters	0.00			0.00
Donations	158.00			158.00
Education	0.00			0.00
Election	0.00			0.00
Equipment	0.00			0.00
Field Day	0.00			0.00
Hamfest	0.00			0.00
Insurance	0.00			0.00
Miscellaneous	31.30			31.30
Newsletter	0.00			0.00
Picnic	0.00			0.00
P O Box	0.00			0.00
Sales Tax	0.00			0.00
Telephone	0.00			0.00
Total	189.30			189.30

ACCOUNT BALANCES	May 31, 2019	June 30, 2019
Checking Balance*	10590.54	10485.51
PayPal Balance	3360.36	3360.36
Savings Balance	201.06	201.10
Total Balance	14151.96	14046.97

* Fund-specific balances in Checking Account

	May 31, 2019	June 30, 2019
General	7970.31	7865.28
Coax/Repeater	804.98	804.98
Education	1815.25	1815.25
Total Checking	10590.54	10485.51

Bluegrass Amateur Radio Society (BARS) General Meeting Minutes of July 1, 2019
Red Cross Building, Lexington, Ky.

The July, 2019, BARS General Meeting was called to order at 7:33pm by President Andrew Cook, KF4OWP.

Self-introductions were made by seventeen(17) licensed members, which composed a quorum, plus one(1) licensed visitors.

Program: Jim Bacher, WB8VSU, an invited speaker from Ohio, presented the program on lightning protection for Amateur Radio Stations, with emphasis on the importance of proper bonding and grounding techniques.

Club and Members' News. No news was reported by any of the attending members.
Treasurer's Report – John Barnes, KS4GL. No new applications for membership were received for review by the Board of directors during their June meeting.

The summary treasurer's report of amounts in bank accounts statements as of June 30, 2019, are:
Checking account:
General fund: $7,863.01
Coax/repeater   804.98
Education: 1,815.25
                    $10,483.24
PayPal account: 3,360.36
Savings account: 201.10
Total balance
of accounts: $14,044.70

James Schlesser, WA9MED, moved and J.B.Young, WA4WWH, seconded to accept the treasurer's report, which was approved unanimously.
Committee Announcements.
Contest – Pete Kragh, K2UPD: (no announcements).

(continued from page 12, General Meeting, 07/01/19)

Education – Bill Fuqua, WA4LAV: Nothing to announce.

Emergency Preparedness - Sandy Gragg, KM4PJU.

1)   The ARES Net is scheduled for Wednesday evenings at 8:30pm utilizing the Lexington 146.940 repeater.

2)   A simplex net exercise is being tentatively planned for sometime in July.

Hamfest – David Richardson, W9KHZ: August 10th at the Jack-Pot Bingo Hall in the Eastland Shopping Center.

Newsletter – Bart Breeding, KB4FEE: Nothing to announce.

Program – David Richardson, W9KHZ: The August program will be "Hamfest".

Public Relations and Membership – Bart Breeding, KB4FEE:

A "Ham Radio 101" presentation will be given at the Village Branch Library on July 5th.

Repeater – Andrew Cook, KF4OWP: Bill Fuqua, WA4LAV, reported that the repeater at the WKYT-TV station has experienced and measurable deterioration in performance.

Shack – David Richardson, W9KHZ: Antenna maintenance activities will continue Saturdays as weather permits.

Volunteer Examinations – Fernie Williams, KE6MAI: (no announcements).

Historian - Bill DeVore, N4DIT: Nothing to announce.

Librarian – John Barnes, KS4GL: Nothing to announce.

MARS – Harvey Fry, AA4HF, and Barry Jackson, WB4N: (no announcements).

Trustee: Shack – Andrew Cook, KF4OWP: Nothing to announce.

VHF Repeater – Andrew Cook, KF4OWP: Nothing to announce.

Bylaws – Andrew Cook, KF4OWP: The Bylaws committee is meeting each month at 6:00pm before the General Meetings and the Directors' Meetings to revise the current Bylaws. The committee meeting is open to all BARS members for input and discussion.

Special Interest Groups News.

   David Richardson, W9KHZ, reported that there was a low turn-out and participation for the Field Day event compared to last year, which could have been due to the continuous inclement weather during the days leading up to, and during the morning of, Field Day.

Old Business. (none)

New Business.

   The Board of Directors will consider the need for the club to purchase insurance to cover the donated equipment against loss, which is currently being stored before it is sold.

   With no other business at 8:51pm, James Schlesser, WA9MED, moved that the meeting be adjourned, which was approved by general consent.

The next BARS scheduled meetings and activities:

Bylaws Committee Meeting: Monday, July 15th, 6:00pm.

Directors' Meeting: Monday, July 15th, 7:30pm.

Bylaws Committee Meeting: Monday, August 5th, 6:00pm.

BARS General Meeting: Monday, August 5th, 7:30pm. Program: Hamfest.

          Hamfest: Saturday, August 10th.

Bylaws Committee Meeting: Monday, August 19th, 6:00pm.

Directors' Meeting: Monday, , August 19th, 7:30pm.

Picnic: Monday, September 9th, Shillito Park Shelter#4.

Bylaws Committee Meeting: Monday, September 16th, 6:00pm.

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

Bylaws Committee Meeting: Monday, October 7th, 6:00pm.

BARS General Meeting: Monday, October 7th, 7:30pm.

Program: Proposed Bylaws.

Recorded and submitted by:

Bruce A. Campbell, KM4EHU
                    Secretary

Richmond Hamfest

Sponsored by the

Central Kentucky Amateur Radio Society

September 14, 2019

8:00 AM – 1:00 PM (Eastern time)

Indoor Climate Controlled Event; Plus free outdoor tailgating space (with ticket purchase.)
Ham Exams (W5YI-VEC) (testing begins 12:30 ET)
Food Truck
VENDORS: TAW
Main & door prizes: HamCall DVD
Forums (Topic Pending)
Silent Auction
All Proceeds help support CKARS, it's repeaters and other community support events.

Must be present to win Door and Main Prizes; Drawing at 12:00

Extra chance tickets available at the door.

At the MADISON COUNTY FAIRGROUNDS

3237 Old KY 52, Richmond, KY

(Turn East at traffic light 13. Only 6 easy miles from I-75, Exit 90. Talk-in 145.370, pl 192.8)

You have three unread messages

Bluegrass Amateur Radio Society (BARS)
Directors' Meeting Minutes of June 17, 2019
Red Cross Building, Lexington, Ky.

The June, 2019, Directors' Meeting was called to order at 7:37pm by First Vice President Bill Fuqua, WA4LAV.

In attendance were:

2nd Vice President – David Richardson, W9KHZ;
Treasurer – John Barnes, KS4GL;
Secretary – Bruce Campbell, KM4EHU;
Directors-at- Large – Tim Kunkel, KM4MPM;
plus MARS Representatives Barry Jackson, WB4N, and Harvey Frye, AA4HF, and also Bart Breeding, KB4FEE, and Bill Weaver, WE5P.

Treasurer's Report – John Barnes, KS4GL.
1.   No new membership applications were received during the last month. Five(5) new Membership Applications were received:
2.   Summary Treasurer's Report as of May 31, 2019:

Checking account:

General fund:	$7.970.31
Coax/repeater:	804.98
Education:	1,815.25
	$10,590.54
PayPal account:	3,360.36
Savings account:	201.06
Total balance of accounts:	$14,151.96

David Richardson, W9KHZ, moved, and Bruce Campbell, KM4EHU, seconded that the treasurer's report be accepted which was approved without objection.

Secretary's Report – Bruce A. Campbell, KM4EHU
A copy of the current Bylaws was sent to new members Dr. Tyler Dreaden, KM4FKR, and Jenny Dreaden, KM4FKS; plus David Emmitt, KE4OON; Roger Covert, KN4TJJ; and Robert M. Hisle, KN4DKD.

Committee Reports.
Contest: Pete Kragh, K2UPD. No report.
David Richardson, W9KHZ, reported
that the Field Day event will be at Shelter#2 in Veterans Park on Saturday and Sunday, June 22nd 23rd. Set-up will begin at 10:00am and operation will start at 2:00pm and continue to Sunday morning.

Education: Bill Fuqua, WA4LAV. Nothing to report.
Emergency Preparedness: Sandy Gragg,KM4PJU. No report.
David Richardson, W9KHZ, reported that a 2-meter FM simplex network exercise is being planned for sometime this summer to evaluate coverage and traffic in and around Fayette County.
Hamfest: David Richardson, W9KHZ. Nothing to report.
Newsletter: Bart Breeding, WB4FEE. Nothing to report.
Program: David Richardson, W9KHZ. The July Program will be
Lightning Protection.
Public Relations and Membership: Bart Breeding, WB4FE.
1.   Bart Breeding, KB4FEE, and David Richardson, W9KHZ, presented a "Ham Radio 101" seminar for CERT(Community Emergency Response Team) certification at the Cisco Road Lexington Fayette County EOC on June 4th. After the presentation, the attendees inquired into the possibility of Technician Class preparation session for the license examination.
2.   A similar presentation for a general interest program at the Lexington Public Library Village Branch is scheduled for July 5th.
Repeater: Andrew Cook, KF4OWP.
1.   Bill Fuqua, WA4LAV, reported that the WKYT-TV station is preparing for the digital TV frequency change-over on June 21st. The station engineer reminds BARS that there may be interactions with the new TV transmitting frequency arrangements and the club's 146.76-mhz repeater operations.
2.   James Schlesser, WA9MED, and Mike Saulsbury, WB0JZO, are retuning the duplexers for the future operation of a digital repeater.
Shack: David Richardson, W9KHZ.
Antenna maintenance and replacements activities are continuing. A ground bus for antenna lightning arrestors is on order.
HF Liaison: David Richardson, W9KHZ. Nothing to report.
VHF Liaison: Tim Kunkel, KF4MPM. Nothing to report.

(continued from page 15, Director's Meeting, June 17, 2019)

Volunteer Examinations: Fernie Williams, KE4MEI.
        Nothing to report.
Historian: Bill DeVore, N4DIT. Nothing to report.
Library: John Barnes, KS4GL. Nothing to report.
MARS: Harvey Frye, AA4HF, and Barry Jackson, WB4N. The MARS station is operating successfully on its network.
Trustee: Andrew Cook, KF4OWP. Nothing to report.
Bylaws: Andrew Cook, KF4OWP. Secretary Bruce Campbell, KM4EHU,
1.   Reported that the revisions to the Bylaws are being proof-read and will soon be ready to submit to the Directors' for preliminary approval before they are presented to a general membership vote for adoption. The Bylaws committee meeting is open to any interested BARS member.
2.   A set of BARS Standard Operating Procedures is being formulated at the Bylaws Committee meetings, and input is welcome from members.
Old Business:
The disposition and disposal of the donated equipment was discussed.

New Business:
        None.

Upcoming BARS Schedule:
June 22nd – 23rd – Field Day at Veterans' Park.
July 1st, 6:00pm - Bylaws Committee Meeting.
July 1st, 7:30pm - BARS General Meeting.
Program: Lightning Protection.
        July 4th, 5:30am – Health and Welfare Communications
   Assistance for the Bluegrass 10K event.
July 15th, 6:00pm - Bylaws Committee Meeting.
July 15th, 7:30pm - Directors' Meeting.
August 5th, 6:00pm - Bylaws Committee Meeting.
August 5th, 7:30pm - BARS General Meeting. Program: Hamfest.
August 10th, 7:30pm – Hamfest.
August 19th, 6:00pm - Bylaws Committee Meeting.
August 19th, 7:30pm - Directors' Meeting.
September 9th, 6:00pm – Picnic at Shilito Park.

With no other business at 8:35pm, Harvey Frye, AA4HF,, moved, and, John Barnes, KS4GL, seconded that the meeting be adjourned, which was approved without objection.
Recorded and submitted by:
                        Bruce Campbell, KM4EHU
                                Secretary

DUE TO CONSTRUCTION ON THE PLAYGROUND NEAR SHELTER #2, OUR ANNUAL PICNIC WILL BE HELD AT SHELTER # 4 AT SHILITO PARK IN SEPTEMBER

You have three unread messages

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

Contest Corral

August 2019

Check for updates and a downloadable PDF version online at **www.arrl.org/contests**.
Refer to the contest websites for full rules, scoring information, operating periods or time limits, and log submission information.

Start - Finish Date-Time		Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
1	1700	1	2100	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	www.nrau.net
1	1900	1	2100	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or power	www.skccgroup.com
3	0001	4	2359	28	10-10 International Summer Contest, SSB	Ph	Name, mbr or "0," SPC	www.ten-ten.org
3	1200	3	2359	1.8-28	European HF Championship	CW Ph	RS(T), 2-digit year first licensed	lea.hamradio.si/scc
3	1400	3	1800	144	WAB 144 MHz Low Power Phone	Ph	RS, serial, WAB square or country	wab.intermip.net
3	1800	4	0559	1.8-28	North American QSO Party, CW	CW	Name, SPC (if North America)	www.ncjweb.com
3	1800	4	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
4	1400	4	1700	3.5-14	SARL HF Phone Contest	Ph	RS, serial	www.sarl.org.za
4	2300	6	2300	3.5-28	G3ZQS Memorial Straight Key Contest	CW	RST, SPC, name, mbr or power	www.fistsna.org
6	0100	6	0300	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
10	0000	11	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
10	0800	10	1100	1.8-28	QRP ARCI European Sprint	CW	RST, SPC, mbr or power	qrparci.org/contests
10	1200	11	2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
10	1400	11	0400	1.8-432	Maryland-DC QSO Party	CW Ph Dig	Entry class, county or SPC	www.w3vpr.org/mdcqsoparty
12	0000	12	0200	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
12	1200	14	1159	144	MMMonVHF/DUBUS 144 MHz Meteorscatter Sprint Contest	CW Ph Dig	Signal report	mmmonvhf.de/ctestinfo.php
14	0030	14	0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
17	0000	18	1600	3.5-28	SARTG WW RTTY Contest	Dig	RST, serial	www.sartg.com
17	0600	18	2359	10 GHz-light	ARRL 10 GHz and Up Contest	CW Ph Dig	6-char Maidenhead locator	www.arrl.org/10-ghz-up
17	0800	18	0800	1.8-28	Russian District Award Contest	CW Ph	RS(T), RU district code or serial	rdaward.org/rdac1.htm
17	1200	18	1200	1.8-50	Keyman's Club of Japan Contest	CW	RST, JA prefecture/district code or continent	www.kcj-cw.com
17	1600	17	1759	1.8-50	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
17	1800	18	0559	1.8-28	North American QSO Party, SSB	Ph	Name, SPC (if North America)	www.ncjweb.com
17	2100	18	2100	3.5-28	CVA DX Contest, CW	CW	RST, type/UF	cvadx.org
18	1400	18	1700	3.5-14	SARL HF Digital Contest	Dig	RST, serial	www.sarl.org.za
18	1700	18	2100	3.5-28	NJQRP Skeeter Hunt	CW Ph	RS(T), SPC, Skeeter # or power	www.qsl.net/w2lj
18	1800	18	2359	3.5-50	ARRL Rookie Roundup, RTTY	Dig	Name, 2-digit year licensed, SPC	www.arrl.org/rookie-roundup
19	0100	19	0300	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpcontest.com/pigrun
24	0400	26	0400	1.8-28	Hawaii QSO Party	CW Ph Dig	RS(T), HI QTH or SPC	www.hawaiiqsoparty.org
24	0600	25	0559	3.5-28	ALARA Contest	CW Ph	RS(T), name, YL/OM/club	www.alara.org.au/contests
24	1200	25	0300	1.8-50	W/VE Islands QSO Party	CW Ph Dig	RS(T), USI/CISA Island Designation or SPC	usislands.org
24	1200	25	1159	3.5-28	SCC RTTY Championship	Dig	RST, 4-digit year licensed	lea.hamradio.si/scc
24	1200	25	1200	3.5-28	YO DX HF Contest	CW Ph	RS(T), YO county or serial	www.yodx.ro/en/english
24	1400	25	2000	3.5-50	Kansas QSO Party	CW Ph Dig	RS(T), county or SPC	ksqsoparty.org
24	1600	25	0359	1.8-432	YARC QSO Party	CW Ph Dig	Age, SPC	yarc.world/events
24	1600	25	0400	3.5-28	Ohio QSO Party	CW Ph	RS(T), county or SPC	www.ohqp.org
24	2100	25	2100	3.5-28	CVA DX Contest, SSB	Ph	RS, type/UF	cvadx.org
24	2300	25	0300	50	50 MHz Fall Sprint	CW Ph Dig	4-char grid square	svhfs.org
25	1400	25	1700	3.5-14	SARL HF CW Contest	CW	RST, serial	www.sarl.org.za
28	0000	28	0200	1.8-28	SKCC Sprint	CW	RST, SPC, name, mbr or power	www.skccgroup.com
31	1200	1 Sep	1200	3.5-28	UK/EI DX Contest, SSB	Ph	RS, serial, district code (if UK/EI)	www.ukeicc.com

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.*

QST   www.arrl.org

Calendar of Ham Radio Activities for August 2019

Thu 1   Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450, Newtown Pike, Lexington; Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.

Sat   3   Shack open 9:00-Noon; Radio Theory & Construction Workshop, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike;

Sun   4   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)\

Mon 5   Bylaws Committee Meeting: Monday, 6:00pm, Bluegrass Amateur Radio Society, Inc. General Meeting : 7:30pm. 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;, Fayette County ARES Net 8:30 pm It is on the LEX 94 machine ,146.940 MHZ, A NEGATIVE OFFSET, AND A PL TONE OF 88.5., "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz.

Wed 7   Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);

Thu 8   Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.

Sat 10   Central KY ARRL Hamfest, 8:00 am- 2:00 pm, Jackpot Bingo Hall, Eastland Shopping Center, Lexington, KY, License Exam session, Bluegrass Amateur Radio Society Hamfest, Jackpot Bingo Hall, 1230 Eastland Drive, Lexington, Kentucky Further information, contact Fernie Williams/KE4MAI 859- 536-3393 , 10:30 am, ARRL VEC,

Sun 11   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)\

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; Fayette County ARES Net 8:30 pm It is on the LEX 94 machine ,146.940 MHZ, A NEGATIVE OFFSET, AND A PL TONE OF 88.5. , "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz;

Wed 14   Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);

Thu 15   Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.

Sat 17   Shack open 9:00-Noon; Radio Theory and Construction Workshop, 1:00-3:00 PM, ; Big Sandy Amateur Radio Club Hamfest , Louisa, KY

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   Bylaws Committee Meeting, 6:00 pm ; Directors' Meeting: 7:30 pm; , 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 20   Amateur Swap Net 145.370 (T-192.8) 8:00 PM; Fayette County ARES Net 8:30 pm It is on the LEX 94 machine ,146.940 MHZ, A NEGATIVE OFFSET, AND A PL TONE OF 88.5. , "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz;

Wed 21   Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);

Thu 22   Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.

SAT 24   Shack open 9:00-Noon; Radio Theory and Construction Workshop, 1:00-3:00 PM, ; License Exam Session,10:00 am, ARRL VEC, Third St. Methodist Church, 119 S. 3rd St., Danville, KY, Liaison John Wulf/K4FT, johnk4ft@gmail.com, 563-505-0339, Wilderness Road ARC, http://www.wrarc.com

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)\

Mon 26   Bylaws Committee Meeting: , 6:00pm., , Jessamine Amateur Wireless Society meeting, 7;00 PM, St. Joseph/R.J. Corman Ambulatory Care Center, 1250 Keene Road, Nicholasville; District 11 ARES Net 9:00 PM 146.925 (PL-79.7) linked to 147.180 (PL-74.4).

Tue 27   Amateur Swap Net 145.370 (T-192.8) 8:00 PM; Fayette County ARES Net 8:30 pm It is on the LEX 94 machine ,146.940 MHZ, A NEGATIVE OFFSET, AND A PL TONE OF 88.5. ,"Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz;

Wed 28   Six Shooters Net, 9:00 PM on 52.525 MHz FM (vertically polarized);.

Thu 29   Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450, Newtown Pike, Lexington; Jessamine Cty ARES Net, 7:30 PM, 145.490 Repeater, Gary Britten W4GNB net control.

Sat 31   Shack open 9:00-Noon; Radio Theory & Construction Workshop, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike;