



ARRL Standard



Pray for our Troops



God Bless America!

QUA / HAMnews

June 2018

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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: k4kjq@bluegrassars.org

K4KJQ
146.160/.760

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

WA4HBM
147.765/.165

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 PROGRAM FOR THE JUNE MEETING . . .

. . . will be the Club's plans for "Field Day" (see "Meeting Notice" below).

-- CONGRATULATIONS ROB --

On May 26, 2018, Bluegrass ARS member **Rob Dence N4CBB**, graduated from Transylvania University with his Bachelor's in Business Administration. On the ETS standardized test given nationwide for business grads, he received the highest score among this year's Transy business grads. (See Harry's Note, page 2.)

-- NEEDED, CHAIR/EDITOR OF THE NEWSLETTER COMMITTEE --

I decided some time ago that effective on my 80th birthday I would retire as chair of the Newsletter Committee, and thus as editor/publisher of the Club's newsletter. I volunteered to take on the responsibilities in 1983 when the person who was editor/chair at that time was elected president of the Club. I had planned to give the responsibility back to him (**Sam Humphries/WA4KKV**) when he had fulfilled his duties as president for a two-year term in office. Well, I'm still doing it and it has been 35 years. My, my time really does fly when you're doing something you enjoy. So, it is time to pass the responsibilities on to someone new, and younger -- Ha! No hurry since I plan to finish this calendar year, but we need someone to at least consider taking this position on. . . **Bill/N4DIT**

-- NOTE: REPORTS OF THE RECORD OF THE BYLAWS COMMITTEE MEETINGS AFTER REPORT #3 ARE NOT PUBLISHED IN THE NEWSLETTER DUE TO THE LENGTH OF THE MANUSCRIPTS. CONTACT SECRETARY CAMPBELL TO OBTAIN RECENT MEETING RECORDS, OR CONTACT ME FOR A COPY OF THE REPORTS ISSUED BY THE COMMITTEE (billdit@twc.com) --



"Soon after, I returned home to my family, with a determination to bring them as soon as possible to live in Kentucky, which I esteemed a second paradise, at the risk of my life and fortune."

~ Daniel Boone

QUA/HAMnews

June 2018

Meeting Notice

Bill De Vore/N4DIT,
Chair, Newsletter Committee
Bluegrass ARS, Lexington, Kentucky

The general meeting of the Bluegrass Amateur Radio Society, Inc., will be held Monday, June 4, 2018, at 7:30 PM in Meeting Room B, second floor of the Red Cross Building, 1450 Newtown Pike, Lexington (take exit 115 off I-64/I-75 and travel toward downtown Lexington. The building is less than one mile from the exit, on the left).

The program will be presented by **David Richardson/W9KHZ** and others who will report on planning, setting up, and operating the Club's Field Day site. Plans this year will include the same activities as previous years, i.e., setup starting Saturday morning, operating modes, low power operations ran by participants in KY-QRP group, "door prizes" with tickets being drawn throughout the day, Saturday evening meal. . . and more. We will be at about the same location as last year in Veteran's Park located at 650 Southpoint Drive (40515 - GPS = 37.95631, -84.50602, at the M60A3 U.S. Army tank) on the south side of Lexington. We need everyone who has ideas about how, where, what equipment, antennas, etc., to bring your ideas to the meeting so we can come up with a final working plan that will assure a fun and successful Field Day experience for everyone who attends. During the program, David will give directions to Veteran's Park, discuss plans for number of stations and modes of operation, erecting antennas, food and drink, etc. Your suggestions are needed.

The past few years we have had three or four stations set up: two HF stations with SSB and/or CW, one QRP station, and a GoTo station. HF antennas have included one dipole and one ground-mounted multiband vertical antenna at one end of the park, and possibly other antennas at the opposite

end of the park for QRP to assure interference is lessened. . . this seems to have worked, at least moderately. More suggestions will be welcomed, so be sure to attend the June Club meeting.

Location of the program will be Meeting Room "B," second floor of the American Red Cross Building, 1450 Newtown Pike, Lexington, Kentucky

We welcome your suggestions of how we can make a difference in the Club in 2018, and Amateur Radio in central Kentucky, and thank you for your participation and support.

If you have a program you would like to hear or a topic you would like to present, contact **James Schlessler/WA9MED** at (757) 478-2186, or e-mail to <wa9med@jshlessler.com>. (see the schedule on page 2). ♦

Board of Directors' Meeting

Bill De Vore/N4DIT, Chair,
Newsletter Committee
Bluegrass ARS, Lexington, Kentucky

The Board of Directors of the Bluegrass Amateur Radio Society, Inc., will meet Monday, June 18, 2018, at 7:30 PM in the Education Center, basement of the Red Cross Building, 1450 Newtown Pike, Lexington.

Board meetings offer you the members, or anyone having an interest in amateur radio or public service, a forum to present your ideas, requests, congratulations or complaints to the officers and committee chairs of the Club. We always are in need of persons to share their expertise in a special area or to share an experience or activity by presenting a program at the Club's regular monthly meeting, or to make suggestions for program topics. Anyone wishing to present a program or who has suggestions for pro-

grams, should talk to **James Schlessler/WA9MED**, during a Club meeting, or contact him at (757) 478-2186, or e-mail to <wa9med@jschlessler.com>.

Note that we still need volunteers to chair the Public Relations and Membership Committee. Contact **Andrew Cook/KF4OWP** at <kf4owp@gmail.com> or (859) 396-9930.

To attend the board meeting, enter the Red Cross building through the basement entrance on the left end of the building as you stand facing the front of the building. Follow the stairway down into the basement and into the Education Center adjacent to the Club shack. ♦

Note from Harry/N4HT

Dear Bill –

If you have room in the June bulletin, I have a couple of timely announcements you may wish to include.

First, on May 26th, BARS club member **Robert, N4CBR**, will graduate from Transylvania University with his Bachelor's in Business Administration. On the ETS standardized test given nationwide for business grads, he received the highest score among this year's Transy business grads. After a weekend of celebration, it'll be time to find a job!

May Club Meeting

James Schlessler/WA9MED, Chair of the Program Committee asked everyone present to give details of how and when they became interested in Amateur Radio, how long they have been licensed, and what interests they have developed since. This presented a very interesting discussion and gave us all an opportunity to learn about one another. ♦

Secondly, with Rob's graduation all the kids are now adults with their schooling done, and now it's time for me to retire, or at least semi-retire.

As a result, in June I will close the Service Electronic Supply store on New Circle Road. I hope to close by June 23 to allow an orderly move by June 30th. Although we've had a "Closed to the Public" policy for many years, during this time I invite the public, and especially area hams, to visit the store and secure bargains. Everything is priced at "Store Closing Sale" prices, 20-50% off normal pricing.

Normal hours are weekdays 9-4, but if merchandise levels allow, I will have special hours for the public on Fridays until 7 PM and Saturdays 9-1, beginning June 8. Call for latest info, 977-1700. When it's gone, it's gone!

Members of the public should be advised that our product lineup is very specialized to commercial tools, supplies, and test equipment, with few consumer products. Hobbyists and tinkerers, however, may find a lot of interesting items.

Thank you, Central Kentucky. It's been a good run here for 60 years, 25 for me. Readers, please DO NOT spread the inaccurate rumor that Service Electronics is going out of business. WE WILL REMAIN IN BUSINESS, and are merely closing the store, which is no longer helpful to operations. Our parts brokerage into the auto industry is bigger than ever with parts already spec'd in thru 2024. We will also continue our commercial installation and service of computer networks, audio-video systems, and CCTV surveillance for our existing client base and perhaps some select new clients.

This is a good time in life for me to do some looking backwards. I thank God and Ham Radio that this high school throw-out was able to self-educate via ham radio, meeting a lot of wonderful people and learning enough to support my family for 50 years. Wasn't always easy, but damn sure interesting!

SK VY 73 OMS ES YLS TNX ES HPE CUAGN DE HARRY N4HT CL ♦

Program Schedule for 2018

James Schlessler/WA9MED, Chair, Program Committee
Bluegrass ARS, Lexington, Kentucky

The following programs are scheduled for 2018. Your input and suggestions for programs for 2018 are needed. Call **James Schlessler/WA9MED** at (757) 478-2186, or e-mail to <wa9med@jschlessler.com>.

Month	Topic	Presenter(s)	Comments
✓ January	"Winter Field Day, January 27-28, 2018"	David Richardson, W9KHZ.	
✓ February	"Software Defined Radio (SDR)"	James Schlessler/WA9MED	What Programs Would You Like to Hear?
✓ March	"Severe Weather Identification and Reporting"	Joe Sullivan/KC7ITG	of the NWS, Louisville
✓ April	"Design and Construction/Use of an Eggbeater Omnidirectional Antenna"	James Schlessler/WA9MED	
✓ May	Members' Discussion, "How I Became Interested in Amateur Radio, Getting Licensed"		
June	"Field Day"	David Richardson/W9KHZ	Site location, preparation, operating stations, etc.
July	Open		
August	Hamfest	Dave Richardson/W9KHZ and Fest Committee	Location, preparation, tickets, tables, work crews, etc.
September	Annual Family Picnic	Fun, Food, Conversation	Picnic Shelter #2, Shillito Park, Lexington
October	"Studying Solar and Lunar Eclipses with Homebrew Optical Projectors and Ham Radio Gear"	Dale Covington, K4GSX	
November	Report of Nominating Committee		
December	Annual Auction	J.B. Young	will serve as auctioneer to see if he can get you some cash – Bring your items

Free Morse Code Class

David Richardson/W9KHZ,
Bluegrass ARS,
Lexington, Kentucky

We are holding free Morse Code instruction classes at 1450 Newtown Pike (Red Cross building), Lexington. We are meeting in the Education Center adjacent to the Club shack on Tuesday evenings starting at 7:00.

We have also started a Facebook group <<http://facebook.com/groups/1369443073155665>>. Check it out!

Have you been wanting to get on the air but don't have a rig? How about operating in a HF DX or VHF/UHF contest? The shack is open most Saturday mornings, 9:00 AM until Noon, so come on out! Arrangements can be made for other times. Telephone the shack at 231-0974.

The KY4ATV Amateur Television Repeater

Greg Cross/W8FJK,

Member and Chair, ATV Repeater Development Committee, Bluegrass ARS, Lexington, Kentucky

The KY4ATV Amateur Television Repeater has been off the air for many years. I have tried a couple of times to stir up some interest in getting it back on the air, but to no avail. The project needs some young vitality... someone with the interest and drive to direct the project and see it through. It also needs an interested group of people to actually do what is necessary to reactivate and

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 **Fernie Williams/KE4MAI**, President, Bluegrass Amateur Radio Society, Inc., PO Box 4411, Lexington, Kentucky 40544-4411. The person selected from your nominations will be honored during a special award ceremony held during the ARRL Central Kentucky Hamfest, August 15, 2004. Many arrangements must be made, so do not put this off.

1. This award is to be presented during the annual hamfest.
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 hamfest. Any nominations received after that date (July 15, 2004) will not be considered.

3. Nominations must be in writing and signed, with specific and adequate information describing why the nominee should be considered.
4. Areas of consideration:
 - a. Involvement in public relations.
 - b. Operating excellence.
 - c. Involvement in public service.
 - d. Assistance to prospective and/or licensed amateurs.
 - e. A combination of these for the general furtherance of amateur radio.

5. The President shall appoint a committee of no less than three to consider nominations and select the winner. The committee shall select the winner within two weeks after the deadline and procure an appropriate plaque in sufficient time to permit presentation at the hamfest. Also, the committee will write a letter of commendation outlining the reasons for the award. This is to be presented along with the plaque.
6. The winner will be notified prior to the hamfest to permit acceptance of the plaque and the letter.
7. The name of the winner and the contents of the commendation letter will be published in the Club newsletter following the hamfest.

Previous Winners of the Ernie Farmer Memorial Award

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

- 1979 – **Sam Humphries/WA4KKV**
- 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 – **Marguerite 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**

maintain the repeater, not just use it after someone else does all the work.

KY4ATV is a vanity call, and a really good one for an Amateur Television Repeater here in central Kentucky. (The original call sign was KF4YRA). But after 20 years as trustee, I'm going to let the license lapse on July 15th, 2018, unless someone wants to take up the mantel and renew it.

As always, I'm available and willing to share my knowledge of Amateur Television with anyone who wants it. Just ask. <gacross@twc.com> ♦

KYHAM Listserv Distribution Has Moved to Groups.io

Roman Rusinek/KE6YCW,
 KYHAM Administrator
 admin@kyham.net
 www.kyham.net
 www.kyares.net

The KYHAM email list no longer exists as part of the KYHAM.NET site so this will be the last message sent.

If you have not already registered for the new KYHAM groups.io mailing list, you can join as a new subscriber by going to <https://groups.io/g/KYHAM> (direct Signup) or <http://www.kyham.net/kyham.html> (Request form where you will be sent an invitation).

Once you are registered, don't forget to go in and put your name and call sign in the Display Name Field in the format of: FirstName LastName – Call sign (e.g.,

Hamvention 2018



Inside Marconi Hall taken while hiding from the light rain, Friday morning.

If you would like to take a tour (submitted by **Pete Kragh/K2UPD**), there is a 20-minute video about the hamvention, inside and outside, at <https://www.youtube.com/watch?v=qqlYNaISM14>.

“Any time three New Yorkers get into a cab without an argument, a bank has just been robbed.

~ **Phyllis Diller**

Roman Rusinek – KE6YCW)

~~~~~  
 From: ke6ycw@bellsouth.net  
 Sent: Saturday, March 03, 2018 7:08 AM  
 To: 'kyham@kyham.net'  
 Subject: KYHAM Listserv Distribution Moving to Groups.io

This is the 2nd official notice of the KYHAM Email List move to Groups.io.

Since we have about 450 current members on the current list and only have about 170 members on the Groups.io list, it would seem that some have not made the move and signed up. If you can't find the original email invitation from Groups.io sent out on 2/16/2018, you can join as a new subscriber by going to <https://groups.io/g/KYHAM> or <http://www.kyham.net/kyham.html>.

Don't forget to go in and put your name and call sign in the Display Name Field in the format of: FirstName LastName – Call sign (e.g., Roman Rusinek – KE6YCW).

## Hamvention, Year Two at the Fairgrounds

**Kevin Trotman/N5PRE,**  
 Amateur Radio Newline

~~~~~  
 With Hamvention 2018 a memory, plans for next year have already begun – **Kevin Trotman/N5PRE** takes stock of this year's experience.

“Are you ready for Hamvention 2019? General chair **Ron Cramer/KD8ENJ** told *Newline* the final attendance



From: ke6ycw@bellsouth.net
 <ke6ycw@bellsouth.net>
 Sent: Friday, February 16, 2018 7:39 PM
 To: 'kyham@kyham.net'
 <kyham@kyham.net>
 Subject: KYHAM Listserv Distribution Moving to Groups.io

Kentucky Hams,

The current KYHAM.NET hosting service has recently been purchased by another hosting service. As a result, some of the features we currently enjoy are going to be limited in the near future. One of those limitations is a cap on the number of emails that can be sent per hour. Since the KYHAM listserv group is so large, that limits its use to one email being sent out before the rest get blocked until an hour passes. In the event of an emergency, this would be detrimental to potentially critical communication across our great Commonwealth.

In preparation of the transfer of ownership, I have been working with a small team to find alternatives to this and other limitations. After using the solution by our small team, we feel we have found a great alternative in Groups.io.

Over the next days, you will be receiving an invitation from me to join the new KYHAM Listserv. To join, simply reply to the email [I will send] or click on the “accept the invitation” link and you will be taken to the Groups.io home page for KYHAM. Once there, you can update your Display Name and other account-related items. →

count wasn't in yet, but he expected this year's attendance to top the nearly 30,000 who visited in 2017. The hams from Puerto Rico and other storm-ravaged places enjoyed eyeball QSOs for the first time with hams who shared last year's storm assistance efforts with them.

Ron said some of the greatest strengths of the weekend event were the new weather-resistant tents and the 767 volunteers who came in from around the world to keep operations running smoothly.

And nearby there were special hours at the Voice of America Museum in nearby West Chester, Ohio which opened its doors to more than 250 hams from around the world who got immersed in broadcast history and even got on the air. To quote Ron, when *Newline* asked him about the overall positive feedback so far: "If you have any complaints about Hamvention 2018 you probably weren't there." ♦

Let's see if we can keep Display Names standard using the format: FirstName LastName - Call sign (e.g., Roman Rusinek - KE6YCW).

Of course, if you no longer want to receive emails from the KYHAM group list, no further action is required and your invitation will expire.

If all goes as planned, the existing KYHAM@KYHAM.NET list will be deleted effective 4/01/2018.

If you have any questions, feel free to contact me at admin@kyham.net.

I would also like to acknowledge the small team that helped with the proof of concept: **Kenny Garrett N4KLG; Steve Morgan W4NHO; Jack Hedges KY4TPR; Pat Spencer KD4PWL.**

73, Roman Rusinek KE6YCW
 KYHAM Administrator
 admin@kyham.net
 www.kyham.net

Andy Rooney wrote that . . .
 . . . "Happiness depends more on how life strikes you than on what happens."

Ham Radio Heads to the Moon

Discussion in "**Amateur Radio News**," started by **R.L. Brunton, G4TUT**, Rayleigh, Essex SS6 7JL EnglandG4TUT, May 20, 2018

DSLWP is a lunar formation flying mission led by Harbin Institute of Technology for low frequency radio astronomy, amateur radio and education. It consists of a pair of 47 kg microsatellites, to be launched into a lunar transfer orbit UTC this Sunday evening, and finally enter a 300 x 9000km lunar elliptical orbit.

Onboard each satellite, are two VHF/UHF SDR transceivers to provide beacon, telemetry, telecommand, digital image downlink, and a GMSK-JT4 repeater. Onboard transmitting power is about 2 W.

Wei Mingchuan BG2BHC reports the first launch window will open at about 21:30 GMT Sunday May 20. The transmitters will be activated soon after separation.

Satellite A will transmit 500 baud GMSK with 1/4 turbo code on 435.425 MHz, and 250 baud GMSK with 1/2 turbo code and precoder on 436.425 MHz; and satellite B will transmit 500 baud GMSK with 1/4 turbo code on 435.400 MHz, and 250 baud GMSK with 1/2 turbo code and precoder on 436.400 MHz, in every 5 minutes by default.

Each transmission will last about 16 seconds. Radio amateurs in South America will have the earliest chance to receive the signals from the satellites, then North America, Oceania, Asia, Europe and Africa.

Harbin Institute of Technology Amateur Radio Club expects radio amateurs to join in this mission. We will prepare different QSL cards for different flight phase for amateurs successfully made QSO or received telemetry. Awards will also be given to the first 10 amateurs in each continent who successfully decoded the signals from the satellites, received the most number of packets, or received an image. Your participation will also help the team to get a better knowledge of the status of the satellites.

An open source decoding software based on GNU Radio to work with RTL-SDR and USRP is provided. Not difficult to change the grc files to support other

Schedule for Volunteer Examinations in 2018

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

The exam schedule for 2018 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 1450 Newtown Pike Lexington KY 40509	Clark County EOC 200 Maryland Ave Winchester KY 40391	Amer Legion Post 46 45 Spears Lane Danville KY 40422	Georgetown Police Dept 550 Bourbon Street 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@arrrl.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@arrrl.net, 502-542-8252

WCARS VEC: Lexington - Liaison **Margueritte Williams/KE4MAJ**, ke4maj@arrrl.net, 859-489-6274 (www.bluegrassars.org)

W5YI VEC: Winchester - Liaison **Darrell Epperson/AC4YD**, eppersond@aol.com, 859-771-1834

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

Date and Time	VEC	Location
Saturday, June 9 , 2018	ARRL	Georgetown
Tuesday, June 19 , 2018	WCARS	Lexington
Saturday, July 14 , 2018	W5YI	Winchester
Saturday, July 28 , 2018	ARRL	Danville
Saturday, August 11 , 2018	ARRL	BARS Hamfest
Saturday, September 8 , 2018	ARRL	Georgetown
Saturday, September 15 , 2018	W5YI	**Richmond Hamfest
Tuesday, September 18 , 2018	WCARS	Lexington
Saturday, October 13 , 2018	W5YI	Winchester
Saturday, October 27 , 2018	ARRL	Danville
Saturday, November 10 , 2018	ARRL	Lexington
Saturday, December 8 , 2018	ARRL	Georgetown
Tuesday, December 11 , 2018	WCARS	Lexington

*Additional exam locations, dates, times are listed at website kn4s@kn4s.com

SDR receivers. A small proxy software will send the decoded data to a server for real-time display.

For more, see story below.

Links for further information can be found at

<<https://amsat-uk.org/2018/05/19/dslwp-satellites-lunar-orbit/>>

<<http://www.southgatearc.org/news/2018/may/ham-radio-heads-to-the-moon.htm>> ♦

Post-Launch Signals Received as Amateur Radio Heads to Moon

QST On-Line,

<<http://www.arrl.org/news/post-launch-signals-received-as-amateur-radio-heads-to-moon>>

May 21, 2018

China has launched two microsattellites into a lunar transfer orbit. They launched as secondary payloads with the Queqiao relay satellite on May 20, in conjunction with the Chang'e 4 mission to the far side of the moon. Once in lunar orbit, DSLWP-A1 and DSLWP-A2 (DSLWP = Discovering the Sky at Longest Wavelengths Pathfinder) – also known as Longjiang-1 and Longjiang-2 – will test low-frequency radio astronomy and space-based interferometry. They carry Amateur Radio and educational payloads, but not a transponder. The Chang'e 4 mission will be the first-ever attempt at a soft landing on the far side of the moon.

Following deployment, signals from the DSLWP satellites were received by radio amateurs in Brazil, Chile, and the U.S., as well as by many others. The two microsats eventually will enter a 300 x 9,000 kilometer elliptical orbit. Each satellite carries VHF/UHF SDR transceivers for beacon, telemetry, telecommand, and digital image downlink, plus a GMSK-JT4 repeater. Onboard transmitting power is about 2 W.

The astronomy objectives of the two sats are to observe the sky at the lower end of the electromagnetic spectrum – 1 MHz to 30 MHz – with the aim of learning about energetic phenomena from galactic sources, using the moon to shield them from earthbound radio signals.

An open telecommand protocol on the spacecraft is designed to allow radio amateurs to send commands to take and download images. DSLWP-A1 downlinks are 435.425 MHz and 436.425 MHz; DSLWP-A2 downlinks are 435.400 MHz and 436.400 MHz. They will use 250/500 bps GMSK using 10 kHz wide FM single-

“There is a new America every morning when we wake up.”

~ **Adlai E. Stevenson**

channel data, with concatenated codes or JT4G. JT4 uses four-tone FSK, with a keying rate of 4.375 baud; the JT4G sub-mode uses 315 Hz tone spacing and 1,260 Hz total bandwidth.

The Queqiao communications relay satellite is required for the lunar far-side landing to facilitate communication with a not-yet-launched lander and rover because the moon's far side never faces Earth, and some significant scientific measurements from the dark side of the moon require real-time contact with Earth.

Harbin Institute of Technology Amateur Radio Club hopes that radio amateurs will get involved with the DSLWP mission, and QSL cards have been designed for different flight phases for amateurs who successfully receive telemetry or make contact.

Amateur Radio Transponders on Chinese Satellites to Include HF

“Amateur Radio News,”
QRZ.com

China's Amateur Radio Satellite organization, CAMSAT, has released some details of three new Amateur Radio satellites that could be launched as early as September. Two of the satellites, CAS-5A and CAS-6, will carry transponders, and one of them will have HF capability.

CAS-5A is a 6U CubeSat. It will have an HF/HF (21/29 MHz) mode linear transponder; an HF/UHF (21/435 MHz) mode linear transponder; an HF CW telemetry beacon; VHF/UHF mode linear transponder; a VHF/UHF mode FM transponder; a UHF CW telemetry beacon, and UHF AX.25 4,000/9,600-baud GMSK Telemetry. Transponders will have 30 kHz passbands, except for the H/U unit, which will be 15 kHz.

The tiny CAS-5B, weighing 1/2 kilogram, will be deployed from CAS-5A in orbit. It will carry a UHF CW beacon on an Amateur Radio frequency. It will be placed into a 539 x 533 kilometer, 97.5° orbit.

CAS-6, a 50-kilogram microsat, will include a VHF CW telemetry beacon; a U/V mode 20 kHz linear transponder, and AX.25 4,800-baud GMSK telemetry downlink. It will also carry an atmospheric wind detector and other systems that will operate on non-amateur frequencies.

A launch at sea is planned for CAS-6 from the China Academy of Launch Vehicle Technology. The microsat will be placed into a 579 x 579 kilometer, 45° orbit.

CAMSAT has applied to the International Amateur Radio Union (IARU) to coordinate frequencies for all three spacecraft.

~ Thanks to AMSAT News Service via AMSAT-UK

More Spotless Days Signal Lengthy, Deep Solar Minimum Phase

The ARRL Letter,

Rick Lindquist, WW1ME, Editor,

April 12, 2018

The sunspot numbers have not been good, and it they'll nor be getting much better any time soon. According to the April 12 "K7RA Solar Update," no sunspots were seen over the April 5–11 reporting week. Solar flux has been sitting in the 60s lately and is forecast to remain at that level for the next 45 days. We're not at solar minimum yet, though; better days lie ahead – eventually.

Top contestor **Frank Donovan/W3LPL** asserts that solar precursors like spotless days, which correlate physical solar phenomena with future solar activity levels, are much better indicators of progress toward a solar minimum -- a broad phase of the solar cycle -- than of a specific event, such as the bottom of a broad solar minimum. Not only that, these and other solar precursors are useful in predicting the likely strength of Solar Cycle 25, although accurate predictions of the strength and time frame of the Cycle 25 solar maximum aren't possible until the new sunspot cycle is under way.

"We entered the Cycle 24 solar minimum with the onset of 8 spotless days in June 2016," Donovan pointed out. "We had only 32 spotless days in 2016. We had 15 spotless days in a row in March 2017, followed by relatively infrequent spotless days for the next 7 months."

The frequency of spotless days accelerated in early November 2017, with 13 spotless days in a row. That was followed by many more spotless days over the next 5 months. In all, 2017 experienced 104 spotless days.

"The frequency of spotless days accelerated again last month, when we had 25 spotless days," Donovan noted. "We've already had 54 spotless days during the first quarter of 2018. These data and comparisons to frequent spotless days during the last solar minimum suggest that we may

have just begun a period of very frequent spotless days for approximately the next two years, similar to the period of September 2007 through January 2009."

Donovan said the next solar precursor is frequent extended periods of spotless days. For example, 2016 saw 14 spotless days in a row, March 2017 had 15, November 2017 saw 13, and early March experienced 14.

"Long periods of spotless days will become even more frequent as we go deeper into solar minimum," Donovan predicted. Once extended periods of spotless days become more frequent, another solar precursor will become important, he said.

"New high-latitude, opposite-polarity Cycle 25 sunspots will then begin to appear more frequently, perhaps by late next year," Donovan said. "More frequent Cycle 25 sunspots will signal that we're approaching the bottom of the [Cycle 24] solar minimum phase."

An ongoing solar precursor that could herald the future strength of Cycle 25 is the intensity of the solar polar magnetic fields prior to the Cycle 24 solar minimum, Donovan said. "The good news is that the solar polar magnetic field strength

"The key to listening is with the eyes and the heart."

~ **Stephen R. Covey**
(1894-1984)

is already slightly stronger than it was prior to the last solar minimum," he said. "This suggests that Cycle 25 will be somewhat stronger than Cycle 24."

Donovan said if the long periods of spotless days end in about one year, that will be a precursor of a stronger Cycle 25. If they take more than two years to end, however, it will portend a weaker Cycle 25. ♦

Petition for Reciprocal Operating Agreement Between U.S. and Korea

*Discussion in **Amateur Radio News**, started by **Dale W. Tongue/AC7NP**, May 21, 2018*

In the past, Department of Defense (DoD) personnel and foreigners in South Korea could get a Ham Radio license for

the duration of their stay in Korea. Recently, a South Korean Ham journeyed to the U.S. and couldn't operate since there is currently no reciprocal operating agreement. Since then, South Korea has limited foreigners to a total of six months operating privileges, no matter how long they stay in Korea. This is a problem for DoD personnel and exPats living in Korea since they will have to abide by the six month limit. U.S. Amateur Radio operators have been working with the FCC and State Department, who generated the draft documents for the reciprocal operating agreement. Korea has determined at this time that there are more important things to work on instead of "fixing" the problem they created by limiting the operating time to six months. Please sign the petition at the attached link (below) so we can encourage the Korean Ministry of Information and Communication to sign the document that's already been created for them. They can make changes, but at this time, they just need to work the issue.

<<https://www.change.org/p/korea-sign-the-ham-radio-operator-reciprocal-operating-agreement>> ♦



It's the Rule

Amateur Radio Parity Act Inserted in National Defense Authorization Act

ARRL Bulletin 11 ARLB011
May 11, 2018

ARRL is praising the work of U.S. Representatives **Joe Courtney**, **Vicky Hartzler**, and **Mike Rogers** for their successful efforts in securing language in the National Defense Authorization Act (NDAA) for Fiscal Year 2019 that aids in the survival and growth of Amateur Radio by giving radio amateurs the right to install an outdoor antenna at their residences with the approval of their homeowners associations. This language – text from the proposed Amateur Radio Parity Act (HR555) – formed the basis for the Courtney-Hartzler-Rogers Amendment to the NDAA.

The amendment, offered by the bipartisan trio and accepted by the House Armed Services Committee by voice vote, will ensure that Amateur Radio operators will continue to play a vital role in disaster communication, when called upon. Amateur Radio has long-standing relationships with the Department of Defense through both the Military Auxiliary Radio Service

(MARS) as well as spectrum sharing.

The Armed Services Committee passed the NDAA by a 60-to-1 voice vote after a 14-hour markup that ran well into the night. The bill now awaits House floor action. The Senate will begin its markup of the NDAA during the week of May 21.

Representatives Courtney and **Adam Kinzinger (R-IL)** spearheaded the effort to include the Parity Act language in the NDAA. Both are cosponsors of the Parity Act, which has passed the House by voice vote twice in the past two years.

Recognizing the long-standing relationship between Amateur Radio and the Department of Defense, Congressman Kinzinger – who served multiple tours for the USAF as a fighter pilot and is still a Major in the Air National Guard, and Courtney, who represents the House district that includes ARRL Headquarters, have been champions of the legislation in Congress.

The steadfast support of the Amateur

Radio community continually demonstrated by Congressmen Kinzinger and Courtney has been a godsend," said Hudson Director **Mike Lisenco, N2YBB**. "The Parity Act wouldn't be anywhere close to this stage without their strong support, and our organization is extremely grateful."

Lisenco, who serves as Chairman of the ARRL Board's Legislative Advocacy Committee, also recognized other promoters of Amateur Radio, including House Energy and Commerce Committee Chairman **Greg Walden, W7EQI (R-OR)**, Energy and Commerce Ranking Member **Frank Pallone (D-NJ)**, and House Armed Services Committee Chairman **Mac Thornberry (R-TX)**. "We are deeply grateful for their continued understanding and support," Lisenco said.

ARRL will continue to press for support to enact the Amateur Radio Parity Act throughout the legislative process.

Where's the Rare DX?

"OPDX Bulletin 1365"

April 30, 2018

<<http://www.papays.com/opdx1365.html>>

AMERICAN SAMOA (KH8) – Ops Robert/W5RF, Madison/W5MJ, Keith/VE7KW, Robert/K5PI and Bill/W5SJ will sign KH8/W5MJ Aug 15-25 on 160-6m using CW, SSB and RTTY. QSL via MØURX.

BAKER ISLAND DXPEDITION (KH1/KH7) – Jun 27-Jul 7. For more details and updates: <<http://www.baker2018.net>>.

CROATIA (9A) – Jan/PA4JJ is signing 9A/PA4JJ til Jun 8 on 40-10-m using mostly FT8. QSL via his home CBA, LoTW or ClubLog.

CURACAO (PJ2) – Mason/KM4SII will sign PJ2/KM4SII as part of the Youth DX Adventure (YDXA) Jul 19-24 on all bands and modes {hoping to work some digi where Curacao is most needed. <http://km4sii.youthhams.org>

DJIBOUTI (J28) – F1TMY is signing J28PJ til 2020 on 160-6m. QSL via F1TMY.

EGYPT (SU) – Jovica/E78A til the end of 2018 signing SU9JT. QSL via E73Y by the Buro or direct, and Clublog's OQRS.

GREEN PARTY 2018 EVENT. The YOFF team of the Romanian Soc of Radio-Amateurs and the Romanian Assoc of Environmentalists Radio-Amateurs invite all to join in the Green-Party 2018 event, 0600Z Jun 9-0559Z Jun 10. <http://wff-yo.blogspot.ro/p/blog-page_3.html>

HOLY ISLAND (EU-124) (MWØ) – Philip/MWØDHF will sign MWØDHF/P from North Wales July 28-29. QSL via his home CBA, direct or by the Buro.

IRISH ISLANDS IOTA TOUR 2018 – Dave/EI9FBB reports that beginning Jun 1, the EIDX Group will activate ALL Irish IOTA Groups. Using the Echo Juliet' prefix, EJØDXG will be active from IOTAs EU-006, EU-007, EU-103 and EU-121 this summer. Starting with Little Saltee Island (EU-103) Jun 15-18. The groups will be on HF and 6m bands using CW, SSB and Digi. <<https://www.facebook.com/groups/185038478993063>>. QSL via MØOXO.

JAPAN (8N3EXPO) – Special event station 8N3EXPO will continue thru Nov 30 to promote the 2025 Intl Expo. QSL ONE WAY ONLY. By Osaka prefecture branch of JARL. <<http://www.expo2025-osaka-japan.jp/en>>

KINGDOM OF ESOWATINI (New

Upcoming Contests

Sean Kutzko/KX9X,

QST, <<http://www.arrl.org/contest-calendar>>.

- Jun 2-3 UKSMG Summer Contest, 6m, CW/Digi/Phn, www.uksmg.org
 Jun 2-3 **Kentucky QSO Party**, 160-2m, CW/Digi/Phn, www.kyqsoparty.org
 Jun 2-3 IARU Region 1 Field Day, 160-10m, CW, www.darc.de
 Jun 2-3 Dutch Kingdom Contest, 40-6m, CW/Phn, www.dkars.nl
 Jun 2-3 RSGB National Field Day, 160-10m, CW, www.rsgbcc.org/hf
 Jun 4 RSGB 80-Meter Club Championship, Digi, www.rsgbcc.org/hf
 Jun 5 ARS Spartan Sprint, 80-10m, CW, www.arsqrp.blogspot.com
 Jun 7 NRAU 10-Meter Activity Contest, CW/Digi/Phn, www.nrau.net
 Jun 7 SKCC Sprint Europe, 160-10m, CW, www.skccgroup.com
 Jun 8 HA3NS Sprint Memorial Test, 80/40m, CW, www.radioamator.honlapepites.hu
 Jun 9 Asia-Pacific Sprint, SSB, 20/15m, www.jsfc.org/apsprint/aprule.txt
 Jun 9-10 DRCG WW RTTY Contest, 80-10m, Digi, www.drcg.de/drcgww
 Jun 9-10 VK Shires Contest, 80-10m, CW/Phn, www.wia.org.au
 Jun 9-10 Portugal Day Contest, 80-10m, CW/Phn, www.rep.pt/portugal_day_contest
 Jun 9-10 SKCC Weekend Sprintathon, 160-6m, CW, www.skccgroup.com
 Jun 9-10 GACW WWSA CW DX Contest, 80-10m, CW, www.wwsatest.org
 Jun 9-10 REF DDFM 6-Meter Contest, CW/Phn, www.concours.r-e-f.org
 Jun 9-11 ARRL June VHF Contest, 6m and Up, CW/Digi/Phn, www.arrl.org/june-vhf
 Jun 10 Cookie Crumble QRP Test, All Bands, No WARC, CW/Digi/Phn, www.w3atb.com/cookie-crumble
 Jun 11 4 States QRP Group Second Sunday Sprint, 160-10m, CW/Phn, www.4sqrp.com
 Jun 13 NAQCC CW Sprint, 80-20m, CW, www.naqcc.info
 Jun 13 RSGB 80-Meter Club Championship, CW, www.rsgbcc.org/hf
 Jun 16 AGCW VHF/UHF Contest, 144/432MHz, CW, www.agcw.org
 Jun 16 Feld Hell Sprint, 160-6m, Digi, www.sites.google.com/site/feldhellclub
 Jun 16 Kids Day Contest, 80-10m plus 144 repeaters, Phn, www.arrl.org/kids-day
 Jun 16-17 SMIRK Contest, 6m, CW/Phn, www.smirk.org
 Jun 16-17 All Asian DX Contest, 160-10m, CW, www.jarl.org/English
 Jun 16-17 Ukrainian DX Classic RTTY Contest, 80-10m, Digi, www.urdx.org/rtty
 Jun 16-17 ARR BPSK63 Contest, 160-10m, Digi, www.ct1arr.org
 Jun 16-17 IARU Region 1 50 MHz Contest, CW/Phn, www.concours.r-e-f.org
 Jun 16-17 Stew Perry Topband Challenge, 160m, CW, www.kkn.net/stew
 Jun 16-17 West Virginia QSO Party, 80-10m, CW/Digi/Phn, www.qsl.net/wvsarc
 Jun 17 WAB 50 MHz Phone, www.ab.internip.net
 Jun 18 Run for the Bacon QRP Contest, 160-10m, CW, www.qrpcontest.com/pigrun
 Jun 21 NAQCC CW Sprint, 80-20m, CW, www.naqcc.info
 Jun 23-24 Battle of Carabobo Intl Test, 40-10m, CW/Phn, www.radioclubvalenciaac.org.ve
 Jun 23 UFT QRP Contest, 80-10m, CW, www.uft.net/reglement/eng.pdf
 Jun 23-24 Ukrainian DX DIGI Contest, 80-10m, www.izmail-dx.com
 Jun 23-24 His Majesty King of Spain Contest, SSB, 160-10m, www.concursos.ure.es/en
 Jun 23-24 ARRL Field Day, All Bands Except WARC, CW/Digi/Phn, www.arrl.org/field-day
 Jun 27 SKCC Sprint, 160-10m, CW, www.skccgroup.com
 Jun 28 RSGB 80-Meter Club Championship, SSB, www.rsgbcc.org/hf
 Jun 30 Feld Hell Sprint, 160-6m, Digi, www.sites.google.com/site/feldhellclub ♦

Country Name) (3D6/3DAØ) – King Mswati III of Swaziland announced on April 18 he was renaming the country the "Kingdom of eSwatini." The new name does not change the DXCC status of this entity. <<http://www.bbc.com/news/world-africa-43821512>>, <<https://www.the-globeandmail.com/world/video-swaziland-renamed-eswatini-by-africas-last-absolute-monarch>>

KIRKONMAA ISLAND (EU-140) (OH3) – The Radioclub Riihimaen Kolmoset will sign OH3AD/5 Jul 17-Aug 14 on 80-6m using CW, SSB, RTTY, PSK and FT8. (Also RSGB IOTA Contest Jul 28-29 signing OH3D/5). QSL both calls,

by the Buro, ClubLog, LoTW, or eQSL. <<http://www.oh3ad.fi>>

MACQUARIE ISLAND (VKØ/M) (AN-006) – Norbert/VK5MQ is signing VKØAI from Macquarie Is (AN-005) for one year. QSNs show that he was on 30/20m running FT8 0440-0630z. QSL via VK5MQ.

MALAWI (7Q) – Arnold/WB6OJB will sign 7Q7JK July 20-25 on 40-10m, SSB only. QSL via WB6OJB only, no buro or LoTW.

MARKET REEF (OJØ) (EU-053) – Ops will sign OJØY Jun 27-29 on various HF bands. QSL via MØSDV. NOTE:

there will be a possible short activity on Jun 26 (evening) from **Aland Islands as OHØMMØNDX**. QRV on HF bands. **RWANDA (9X)** – Alan/KE4TA will be signing 9XØTA for just under 2-1/2 years on 20/17m SSB, the Digital modes and some CW. QSL via direct or to N4GNR. He will also use LoTW. <<http://www.rwandadx.com>>

SAN PIETRO ISLAND (IJ7) (EU-073) – Vin/IK7IMO will sign IJ7V during

the RSGB IOTA Contest (July 28-29), SSB-Mode/DXpedition entry. QSL via IK7IMO.

SOLTA ISLAND (EU-016) (9A) – Marco-IV3WMS will sign 9A/IV3WMS (IOCA CI-126) til June 6t on various HF bands using SSB. QSL via his home CBA only, direct or by the Buro.

SRI LANKA (4S) – Takayuki/JI1SHQ is signing 4S7TNG for several years on 30 and 20m using CW. QSL via JI1SHQ by

the Buro.

VELA PALAGRUZA ISLAND (EU-090) – The Radio Club Croatian Flora Fauna will sign 9A90P (CI-084, LH 0057) Jun 16-23 on 80-6m near the IOTA frequencies using CW, SSB, Digit and the satellites. QSL 9A90P via 9A2MF.

VIETNAM (3W) – Megumu/JA6QGF is signing 3W9A from Ho Chi Minh City on 17 and 6m SSB. QSL via his home JA6 CBA. ♦

Meeting Schedules for Area Clubs, Exam Sessions, etc.

Bill DeVore/N4DIT

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 5 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, 7:00 PM 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 2017 schedule (10:00 AM): Saturday, January, 9, Saturday, April 9, Saturday, July 9, and Saturday, October 8. Contact Liaison **Darrell Epperson/AC4YD**, eppersond@aol.com, 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 5 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 – Wednesday, 9:00 PM, 147.120 (Tone 141.3) 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/KI4AWZ** net control; and, Daily Six-Meter FM Ragchew net 7:00-9:00 PM on 52.525 MHz (vertically polarized). **James Peel/KG4VAR** net control.

KY-QRP – Meetings are the same schedule as Bluegrass ARS, first Monday each month, but at 7:00 PM, in Meeting Room “B”, second floor of the Red Cross Building, 1450 Newtown Pike, Lexington.

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 24 meet at City Hall (SkyWarn). Talk-in/info on 145.430 (T-103.5).

Jessamine Amateur Wireless Society (Nicholasville) – 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 left at the light.) Talk-in/info on the 145.490 (T-123.0).

The Jessamine County ARES Net – Tuesdays at 7:30 PM, 145.490. . Byron Smith Sr./KA3WOD EC, byronlx@aol.com.

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, or notices not listed here, to my attention, **Bill DeVore/N4DIT**, in care of Bluegrass Amateur Radio Society, Inc., PO Box 4411, Lexington, KY 40544-4411, or e-mail to billdit@twc.com.

Minutes of the Bluegrass Amateur Radio Society, Inc., General Meeting, April 2, 2018

Recorded and submitted by
Bruce A. Campbell, KM4EHU

The April BARS general meeting was called to order at 7:35pm by President **Andrew Cook, KF4OWP**.

Self-introductions were made by nineteen (19) member licensed amateur radio operators, which consisted a quorum, plus four (4) non-licensed visitors.

Members' News

No members' activities were reported for this month.

Treasurer's Report

Treasurer John Barnes, KS4GL, presented two (2) new membership applications for **Guy Hollander, KI4TLY**, and **William F. Weaver, WE5P**, which had been accepted at the Directors' Meeting on March, 19, 2018. **Martin Weaver, KM4HPK**, moved, and **David Richardson, W9KHZ** seconded for acceptance, and the membership applications were approved unanimously.

Treasurer John Barnes, KS4GL, submitted the summary treasurer's report of amounts available in deposits as of March 31, 2018 (see John's summary at the right for a more current report).

Checking account:

General fund: \$ 8,811.21
Coax/repeater: 1,164.64
Education: 1,909.29
\$11,885.14

PayPal account: 2,842.21

Savings account: 200.55

Total balance of accounts:
\$14,927.90

James Schlessor, 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 report) The QUA Newsletter contains a Contest Column schedule.

Education - Bill Fuqua, WA4LAV: Nothing to announce.

Emergency Preparedness - (open chair position needs volunteer).

Hamfest - David Richardson, W9KHZ: Hamfest Scheduled for August 11th.

Newsletter - Bill DeVore, N4DIT: Articles for the Newsletter can be e-mailed to the editor (billdit@twc.com). A new newsletter chairman and editor will be

Treasurer's Report

*Respectfully submitted, **John Barnes/KS4GL**, Treasurer*

BLUEGRASS AMATEUR RADIO SOCIETY, INC. INCOME, EXPENSES, AND ACCOUNT BALANCES April 30, 2018

	Checking Account	Pay Pal Account	Savings Account	Total
Income:				
ARRL Dues	0.00	0.00	0.00	0.00
BARS Dues	168.12	0.00	0.00	168.12
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	1.96	0.00	0.03	1.99
Miscellaneous	0.00	0.00	0.00	0.00
Total	170.08	0.00	0.03	170.11
Expenses:				
ARRL Dues	0.00			0.00
Coax/Repeaters	0.00			0.00
Donations	418.14			418.14
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	0.00			0.00
Newsletter	0.00			0.00
Picnic	0.00			0.00
P.O. Box/Postage	0.00			0.00
Subscriptions	0.00			0.00
Telephone	0.00			0.00
Total	418.14			418.14

Account Balances

	March 31, 2018	April 30, 2018
Checking*	\$11886.71	\$11470.53
Pay Pal Balance	\$ 2842.21	\$ 3010.33
Savings Balance	\$ 200.55	\$ 200.58
Total Balance	\$14929.47	\$14681.44

*Fund Specific Balances (Checking)

General	\$ 8812.78	\$ 8396.60
Coax/Repeater	\$ 1164.64	\$ 1164.64
Education	\$ 1909.29	\$ 1909.29
Total	\$11856.71	\$11470.53

*Reference made to "BARS" refers to Bluegrass Amateur Radio Society, Inc., wherever it occurs.

needed beginning in 2019.

Program – James Schlessner, WA9MED: Suggestions for program topics for the July and October general meetings are welcome.

Public Relations and Membership – (open chair position needs volunteer). The Lexington Library has requested a program presentation on an introduction to amateur radio.

Repeater – Andrew Cook, KF4OWP: Ideas for future repeater needs and operations are welcome.

Shack – David Richardson, W9KHZ: 1) The shack is open for general use on Saturdays from 9:00 am to 12:00 am. 2) A new high frequency vertical antenna is being studied. 3) An antenna maintenance day will be schedule for the spring.

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

Historian – Bill DeVore, N4DIT: Nothing to announce.

Librarian – John Barnes, KS4GL: Nothing to announce.

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

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.

Old Business

Bill Fuqua, WA4LAV, reports that the donated radio equipment from the estate of **Don Bank** is being cataloged and stored for ultimate sale to benefit BARS.

New Business

Terry Layman, N6OKR, announced the Swap Meet, Lunch, and Auction at the Radio Museum in Huntington, W.V. will be held on April 21st. Also, questions about ham radio pioneer, **Ross Hull,** will be the subject of a future trivia (pop) quiz during the general meeting.

Program

James Schlessner, WA9MED, presented an introduction to amateur radio satellites, terrestrial satellite antennas, plus on-line and smart phone apps resources for satellite lists, locations, and tracking.

The next BARS scheduled meetings and activities in May and June are:
JAWS Tailgate Swap Meet: Saturday May 5th, 10:00am.

Bylaws Committee Meeting: Monday May 7th, 6:00pm.
KY-QRP Meeting: Monday May 7th, 7:00pm.
General Meeting: Monday, May 7th, 7:30pm,
Program: (to be announced).
Dayton (Xenia) Hamfest: May 18th – 20th.
Bylaws Committee Meeting: Monday, May 21st, 6:00pm.
Directors’ Meeting: Monday, May 21st, 7:30pm
Bylaws Committee Meeting: Monday, June 4th, 6:00pm.
KY-QRP Meeting: Monday, June 4th, 7:00pm.
General Meeting: Monday, June 4th, at 7:30pm,
Program: Field Day.
Bylaws Committee Meeting: Monday, June 18th, 6:00pm.
Directors’ Meeting: Monday, June 18th, 7:30pm.
Summer Field Day: Saturday – Sunday, June 23rd – 24th, Veterans Park.

With no other business at 8:11pm, **David Richarson, W9KHZ,** moved, and **James Schlessner, WA9MED,** seconded that the meeting be adjourned, which was approved unanimously. ♦

Minutes of the Bluegrass Amateur Radio Society, Inc., Board of Directors’ Meeting, April 16, 2018*

Recorded and submitted by
Bruce A. Campbell, KM4EHU
Secretary

The April, 2018, Board of Directors’ meeting was not convened due to lack of a quorum because of absences and sickness. The next Directors’ meeting will be held as regularly scheduled on the Monday, May 21st.

Upcoming BARS Schedule

May 5th, JAWS Tailgate Swap-meet (Nicholasville).	May 18th – 20th. Dayton (Xenia) Hamfest.	June 4th, 7:00pm. KY-QRP Meeting.
May 7th, 6:00pm. Bylaws Committee Meeting.	May 21st, 6:00pm. Bylaws Committee Meeting.	June 4th, 7:30pm. BARS General Meeting. Program: Summer Field Day.
May 7th, 7:00pm. KY-QRP Meeting.	May 21st, 7:30pm. BARS Directors’ Meeting.	June 18th, 6:00pm. Bylaws Committee Meeting.
May 7th, 7:30pm. BARS General Meeting. Program: (to be announced).	June 4th, 6:00pm. Bylaws Committee Meeting.	June 18th, BARS Directors’ Meeting.
		June 23rd – 24th, Summer Field Day at Veterans Park. ♦

Minutes of the Bluegrass Amateur Radio Society, Inc., Board of Directors’ Special Meeting, May 7, 2018

Recorded and submitted by
Bruce A. Campbell, KM4EHU
Secretary

An impromptu unannounced abbreviated special meeting of the Board of Directors was convened at 6:15pm prior to both the Bylaws Committee Meeting and General Membership Meeting on May 7, 2018.

In attendance were: First Vice President, **Bill Fuqua, WA4LAV;** Second Vice President **James Schlessner, WA9MED;** Director-at Large **David Richardson, W9KHZ;** Treasurer **John Barnes, KS4GL;** Secretary **Bruce Campbell, KM4EHU;** which

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represented a majority of the Board of Directors.

Treasurer **John Barnes, KS4GL**, submitted the summary treasurer's report of amounts available in deposits as of April 30th, 2018.

Checking account:

General fund:	\$ 8,396.60
Coax/repeater:	1,164.64
Education:	1,909.29
Total:	\$11,470.53
PayPal account:	\$ 3,010.33
Savings account:	\$ 200.58
Total balance of accounts:	\$14,681.44

The treasurer's report by accepted by

general consent without opposition.

Treasurer **John Barnes, KS4GL**, submitted four(4) current applications for new membership by: **Jodie Wells** – (no amateur radio operator's license); **Pete Shrock – KN4HVZ**; **Joe Raber** – (no amateur radio operator's license); **Michael Saulsbury – WB0JZO**.

David Richardson, W9KHZ, moved, and **Bruce Campbell, KM4EHU**, seconded that the all four(4) applications together be accepted and submitted to the membership for approval at the next general meeting (that immediately followed), which passed by unanimous vote.

With no other business, the meeting was adjourned by general consent without opposition at 6:30pm.

Upcoming BARS Schedule

June 4th, 6:00pm. Bylaws Committee Meeting.
 June 4th, 7:00pm. KY-QRP Meeting.
 June 4th, 7:30pm. BARS General Meeting.
 Program: Summer Field Day.
 June 18th, 6:00pm. Bylaws Committee Meeting.
 June 18th, BARS Directors' Meeting.
 June 23rd – 24th, Summer Field Day at Veterans Park. ♦

Minutes of the General Meeting of the Bluegrass Amateur Radio Society, Inc., May 7, 2018*

Recorded and submitted by
Bruce A. Campbell, KM4EHU
 Secretary

The May BARS General Meeting was called to order at 7:30pm by President **Andrew Cook, KF4OWP**. Self-introductions were made by twenty(20) member licensed amateur radio operators, which consisted a quorum, plus two(2) licensed and one(1) non-licensed visitors.

Members' News

No members' activities were reported for this month.

Treasurer's Report – John Barnes, KS4GL. IRS Form 990 for 501(c)(3) organizations was filed for the BARS 2017 tax year. The annual fee for BARS 501(c)(3) organization was paid to the Kentucky Secretary of State office.

Four(4) current new membership applications were presented for: **Jodie Wells** – (no amateur radio operator's license); **Pete Shrock – KN4HVZ**; **Joe Raber** – (no amateur radio operator's license); **Michael Saulsbury – WB0JZO**; which had been accepted earlier at the Directors' Special Meeting on May, 7, 2018. **Bart Breeding, KB4FEE**, moved, and **Bill Weaver, WE5P** seconded, for approval of all four(4) applications together, which passed with unanimous consent.

The summary treasurer's report of amounts available in deposits as of April 30, 2018, are posted in the Treasurer's Report, Page 10 of this newsletter. **David Richardson, W9KHZ**, moved and **James Schlessler, WA9MED**, seconded to accept the treasurer's report, which was approved unanimously.

Committee Announcements

Contest Committee – Pete Kragh, K2UPD:

1) The Kentucky QSO Party is scheduled for Saturday, June 2nd, from

8:00am to 8:00pm local Lexington time. The shack is expected to be open for members' use at least during the morning hours on that day.

- 2) The QUA Newsletter contains a Contest Column schedule.
- 3) A basic course in CW operation is being considered.

Education – Bill Fuqua, WA4LAV:

Nothing to announce.

Emergency Preparedness – (open chair position needs volunteer).

Hamfest – David Richardson, W9KHZ:

Hamfest Scheduled for August 11th. An ARRL representative is expected to be in attendance. A license test session will likely be scheduled. A special event station and talk-in station is being considered.

Newsletter – Bill DeVore, N4DIT:

- 1) Articles for the Newsletter can be emailed to the editor (billdit@twc.com).
- 2) A new newsletter committee chairman and editor will be needed beginning in January 2019.
- 3) A Newsletter committee is being considered to share the workload of the newsletter publication.
- 4) The newsletter contains a Contest Column and a DX Column.

Program – James Schlessler, WA9MED:

Suggestions for program topics at the July and October general meetings are welcome.

Public Relations and Membership – (open chair position needs volunteer).

Repeater – Andrew Cook, KF4OWP reported **Bill Fuqua, WA4LAV**, is formulating some ideas on repeater system rearrangements for improved performance.

Shack – David Richardson, W9KHZ:

- 1) The shack is usually open for general use on Saturdays from 9:00am to 12:00am. The shack telephone number, 859-231-0974, can be called to verify that the shack is open and operating.
- 2) A fourth operating position in the shack is being considered.
- 3) An antenna maintenance day is being planned.
- 4) Band-pass and band-rejection filters are being considered to prevent harmonic interference during multi-position operations.

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

Historian – Bill DeVore, N4DIT:

Nothing to announce.

Librarian – John Barnes, KS4GL:

Nothing to announce.

MARS – Harvey Fry, AA4HF, and **Barry Jackson, WB4N**: The annual Armed Forces Day MARS Cross-band Communications Test is scheduled for Saturday, May 12th. Additional information can be found in **QST** or on the ARRL website.

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.

Old Business

Bill Fuqua, WA4LAV, reports that the cataloging and storage of donated radio equipment from the estate of Don Bank is still in progress for its ultimate sale to benefit BARS. The handling of the large quantity of donated equipment requires a group effort, and anyone who wishes to assist with the task should contact Bill who is considering an *ad hoc* committee for this purpose.

New Business

None presented.

Program

Program Committee Chair **James Schlessner, WA9MED**, moderated an informal "Members' Minute" group discussion, where the meeting attendees briefly spoke about their ham radio interests and activities.

The next scheduled meetings and activities of interest in May and June are:
 JAWS Tailgate Swap Meet: (to be rescheduled).

Dayton (Xenia) Hamfest: May 18th - 20th.

Bylaws Committee Meeting: Monday, May 21st, 6:00pm.

Directors' Meeting: Monday, May 21st, 7:30pm

Bylaws Committee Meeting: Monday, June 4th, 6:00pm.

KY-QRP Meeting: Monday, June 4th, 7:00pm.

General Meeting: Monday, June 4th, at 7:30pm, Program: Field Day.

Bylaws Committee Meeting: Monday, June 18th, 6:00pm.

Directors' Meeting: Monday, June 18th, 7:30pm.

Summer Field Day: Saturday - Sunday, June 23rd - 24th, at Veterans Park.

With no other business at 8:15pm, **James Schlessner, WA9MED**, moved, and **Bart Breeding, KB4FEE**, seconded, that the meeting be adjourned, which was approved unanimously. ♦

Looking Back. . . From "QUA/HAMnews," June 1999, page 3

Children's Charity Classic, 1999

Skip Strippelhoff/W4WYX, Member Bluegrass ARS, and Coordinator of Communications, Children's Charity Classic

The 1999 Children's Charity Classic golf tournament will be held Saturday, June 26. Location is the Greenbriar Golf and Country Club, in Greenbriar Estates off Winchester Road, east Lexington.

We will be needing at least 30 operators again this year. I have called those who helped last year, and everything is ready to go.

While the event provides an excellent means of training for providing communications during an emergency, it also gives us an opportunity to meet and talk to quite a number of TV and sports celebrities, some of whom are Hams also, the tentative list for this year includes:

Clifton Davis	Louie Dampier
Larry Conley	Jim O'Brien
Ron Franklin	Sam Bowie
Jim Taylor	Jim Boeheim
Hugh Durham	Michael English
Tug McGraw	Frank Pace
Tubby Smith	Phil Copeland
Bubba Gillam	Bobby Eldridge
Maggie Volz-Cameron	Ralph Hacker
Michael Finney	Ralph Emery
Larry Hopkins	

The final list will be available the day of the tournament.

Introduction to The Chronicles, History of the Bluegrass ARS:

INTRODUCTION

In the beginning. . . things are pretty hazy. The document below, presented to the present club in 1990, and on the facing page indicate that the parent of the present Bluegrass ARS was chartered with the American Radio Relay League April 1, 1940, and Vol. 1 No. 1 of the Club newsletter was dated March 1947. We are not sure what the name of the organization was, nor who comprised the membership in 1940. We know that World War II silenced amateur radio operators for the period from 1942 to 1946. In 1947 emerged the Central Kentucky Amateur Radio Club (CKARC).



The Hams mentioned in the **QUA** newsletter on the next page are silent keys now, but some are remembered by members of Bluegrass ARS. What happened between 1940 and 1947? Perhaps some of the CKARC members served during the war. Maybe the club was formed in '47 after the war. In any case, the ARRL recognizes an affiliation beginning in 1940. Could there be other CKARC newsletters or is this the only one? Since it is VOL. 1, NO. 1, was the club affiliated with the ARRL in 1940 under a different name? Or, did it take the infant club seven years to recognize they needed a newsletter to communicate with area hams? We know that there were other clubs in the area, most of which came about some time later. We know also that the Bluegrass Amateur Radio Club (BGARC) and the Lexington Amateur Repeater Society (LARS) joined together to form the Bluegrass Amateur Radio Society, Inc. (see chapters on 1979 and 1980). This merger was completed in 1980. But, did the Central Kentucky Amateur Radio Club evolve into either one of these two clubs?

These are the only two documents found so far that testify to the existence of an amateur radio club in the Lexington area. Years later the Bluegrass Amateur Radio Society has evolved and a record of that evolution is contained in these chronicles, but with some gaps along the way, and more noticeably during the early years. We welcome and encourage any and all additions or corrections to these Chronicles.

This chronicle begins with the present, mainly because the documentation is fresh and plentiful, and of more interest to present members. However, as information becomes available, the holes may be filled and it will become a more valid history book. All the activities, changes and minute details cannot be covered, but the significant ones are here. The pictures may be without captions because the information was not available. But they are at least connected with an activity during the year. It is difficult to credit each member or member's family and for that the club apologizes.

QUA/HAMnews

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 noncommercial 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.

R. William (Bill) DeVore/N4DIT, 112 Brigadoon Pkwy,
Lexington, Kentucky 40517-1305 (859) 273-8345 billdit@twc.com

Standing Committee Chairs:

Contest..... Pete Kragh/K2UPD (859) 223-9389 (k2upd@aol.com)
Education..... Bill Fuqua/WA4LAV (859) 272-9523 (wfuqu00@uky.edu)
Emergency Preparedness (Liaison Bluegrass ARS with LFUCG DEM)
..... David Richardson/W9KHZ (859) 983-1380 (daveinlex3@gmail.com)
Hamfest..... David Richardson/W9KHZ (859) 983-1380 (daveinlex3@gmail.com)
Newsletter..... Bill DeVore/N4DIT (859) 273-8345 (billdit@twc.com)
Program..... James Schlessler/WA9MED (757) 478-2186 (wa9med@jsschlessler.com)
Public Relations and Membership..... Need Chair
Repeater..... Andrew Cook/KF4OWP (859) 396-9930 (kf4owp@gmail.com)
Shack..... David Richardson/W9KHZ (859) 983-1380 (daveinlex3@gmail.com)
Volunteer Examinations..... Fernie Williams/KE4MAI (859) 652-3393 (ke4mai@arrl.net)

Trustees, Ex Officio Committee Chairs, and Contacts for Special Activities:

Historian..... Bill DeVore/N4DIT (859) 273-8345 (billdit@twc.com)
KY-QRP Group..... Roger Colvin/KJ4YSY (859) 494-6268 (KJ4YSY@GMAIL.COM)
Library..... John Barnes/KS4GL (859) 253-1178 (jrbarnes@iglou.com)
Shack/Repeater Trustee..... Andrew Cook/KF4OWP (kf4owp@gmail.com)
HF Liaison to Shack Committee..... David Richardson/W9KHZ
VHF Liaison to Shack Committee..... Tim Kunkle/KF4MPM

President:

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Lexington, Kentucky 40503
859/279-6307, and
David Richardson/W9KHZ
1809 Wayland Drive
Lexington, Kentucky 40505
859/983-1380
daveinlex3@gmail.com

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 June 2018



- Sat 2 **Shack open** 9:00-Noon; **Radio Theory and Construction Workshop**, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike;
- Sun 3 **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); *Daylight Savings Time – Set Clocks Forward one Hour!*
- Mon 4 KY-QRP meeting (Open discussion)**, 7:00 PM, Meeting Room “B,” Red Cross Bldg, 1450 Newtown Pike, Lexington.
- Mon 4 Bluegrass ARS Club meeting**, 7:30 PM, Meeting Room “B,” Red Cross Bldg, 1450 Newtown Pike; **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 5 **Amateur Swap Net** 145.370 (T-192.8) 8:00 PM; **“Casual Communicators Net,”** 9:00 PM Eastern, 443.325+ MHz.
- Wed 6 **Six Shooters Net**, 8:00 PM on 52.525 MHz FM (vertically polarized); **Fayette County ARES Net, 9:00 PM, 146.760 repeater.**
- Thu 7 **Meeting of Bluegrass ARS Technical Group**, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; **Ragchew Net**, 7:30 PM, 145.490 Repeater, Malcolm/KY4MJW net control.
- Sat 9 **Shack open** 9:00-Noon; **Radio Theory and Construction Workshop**, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike; **License Exam Session**, Georgetown-ARRL, Liaison Ron Malinowski/WX4GPS, wx4gps@arrl.net, 502-542-8252.
- Sun 10 **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 11 **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 12 **Amateur Swap Net**, 145.370 (T-192.8) 8:00 PM; **“Casual Communicators Net,”** 9:00 PM Eastern, 443.325+ MHz.
- Wed 13 **Six Shooters Net**, 8:00 PM on 52.525 MHz FM (vertically polarized); **Fayette County ARES Net, 9:00 PM, 146.760 repeater.**
- Thu 14 **Meeting of Bluegrass ARS Technical Group**, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; **Ragchew Net**, 7:30 PM, 145.490 Repeater, Malcolm/KY4MJW net control.
- Sat 16 **Shack open** 9:00-Noon; **Radio Theory and Construction Workshop**, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike.
- Sun 17 **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 18 Bluegrass ARS Board of Directors’ Meeting**, 7:30 PM, Education Center in basement of Red Cross Building; **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.
- Mon 18 **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 19 **Amateur Swap Net** 145.370 (T-192.8) 8:00 PM; **“Casual Communicators Net,”** 9:00 PM Eastern, 443.325+ MHz; **License Exam Session**, Lexington – WCARS, Liaison Margueritte Williams/KE4MAJ, ke4maj@arrl.net, 859-489-6274.
- Wed 20 **Six Shooters Net**, 8:00 PM on 52.525 MHz FM (vertically polarized); **Fayette County ARES Net, 9:00 PM, 146.760 repeater.**
- Thu 21 **Meeting of Bluegrass ARS Technical Group**, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; **Ragchew Net**, 7:30 PM, 145.490 Repeater, Malcolm/KY4MJW net control.
- Sat 23 **Shack open** 9:00-Noon; **Radio Theory and Construction Workshop**, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike.
- Sun 24 **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)
- Tue 26 **Amateur Swap Net** 145.370 (T-192.8) 8:00 PM; **“Casual Communicators Net,”** 9:00 PM Eastern, 443.325+ MHz.
- Wed 27 **Six Shooters Net**, 8:00 PM on 52.525 MHz FM (vertically polarized); **Fayette County ARES Net, 9:00 PM, 146.760 repeater.**
- Thu 28 **Meeting of Bluegrass ARS Technical Group**, 6:30 PM, Education Ctr, basement, Red Cross Building, 1450 Newtown Pike, Lexington; **Ragchew Net**, 7:30 PM, 145.490 Repeater, Malcolm/KY4MJW net control.
- Sat 30 **Shack open** 9:00-Noon; **Radio Theory and Construction Workshop**, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike.
- Sun 31 **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)