



Pray for our Troops



God Bless America!

QUA / HAMnews

May 2017

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P.O. Box 4411, Lexington, Kentucky 40544-4411

Club Station K4KJQ

MARS Station AAV4CAB



Glenn E. Welman/KF4NB
Memorial BBS
145.010 and 145.090

Web Page: <http://www.bluegrassars.org>
E-mail: k4kjq@bluegrassars.org

K4KJQ
146.160/.760

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

WA4HBM
147.765/.165

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

QUICKY NOTES

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

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

Subscribe to ListServ:

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

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

-- THE PROGRAM FOR THE MAY MEETING . . .

. . . will be presented by a representative of the team responsible for developing and implementing equipment and procedures for destroying the chemical inventory stored at Bluegrass Ordinance in Madison County, Kentucky (see "Meeting Notice" below).

-- KIDS FIELD DAY --

The joint BARS/JAWS Kids Field Day is scheduled for Saturday, May 13, from 11:00 AM until 3:00 PM, Jacobson Park Shelter #4. Setup time will begin around 9:00 AM. Lunchtime food will be provided.

- KY-QRP DISCUSSIONS/MEETINGS ARE ON YOUTUBE -

The Bluegrass ARS sponsors/participates in a subgroup of amateur operators who prefer operating QRP. The group meets each month half an hour (7:00 PM) prior to the Bluegrass ARS meeting, and in the same room of the Red Cross building, 1450 Newtown Pike, Lexington. Videos of their meetings/discussions may be viewed on YouTube: in the address bar of your browser type <http://youtube.com>, when the home page appears type ky-qrp in the YouTube search bar, then select the date/meeting you would like to listen to. All interested persons are encouraged to attend these meetings or to view these videos.



"You can tell a lot about a fellow's character by his way of eating jellybeans."

~ Ronald Reagan

QUA/HAMnews

May 2017

Meeting Notice

Bill DeVore/N4DIT,
Chair, Newsletter Committee
Bluegrass ARS, Lexington, Kentucky

The general meeting of the Bluegrass Amateur Radio Society, Inc., will be held Monday, May 1, 2017, at 7:30 PM in Meeting Room B, second floor of the Red Cross Building, 1450 Newtown Pike, Lexington.

The program will be presented by a representative of the team responsible for developing and implementing equipment and procedures for destroying the chemicals stored at Bluegrass Ordinance in Madison County, Kentucky. As described in the team's website (www.peoacwa.army.mil) the Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP), will safely and efficiently destroy the stockpile of chemical weapons currently in storage. Utilizing neutralization followed by supercritical water oxidation (SCWO), the plant will destroy munitions containing nerve agents. Additionally, the Static Detonation Chamber, an explosive destruction technology (EDT), will augment BGCAPP's neutralization/SCWO technology to destroy approximately 15,000 155 mm mustard projectiles in the Blue Grass stockpile, many of which have been found unsuited for processing through the main plant.

Do you have a topic you would like a program on or a program you would like to present? Do you have a homebrewed 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.

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 wa9med@jsschlessler.com (see

the program schedule on page 2). We welcome your suggestions of how we can make a difference in the Club in 2017. ♦

Board of Directors' Meeting

Bill DeVore/N4DIT, Chair,
Newsletter Committee
Bluegrass ARS, Lexington, Kentucky

The Board of Directors of the Bluegrass Amateur Radio Society, Inc., will meet Monday, May 15, 2017, 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 programs, should talk to **James Schlessler/WA9MED**, during a Club meeting, or contact him at (757) 478-2186, or e-mail to wa9med@jsschlessler.com.

Note that we still need volunteers to chair the Contest Committee and the Public Relations and Membership Committee. Contact **Smokey Wallace/KE6IVK** at ke6ivk@arrl.net or (859) 402-8208.

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. ♦

The Central Kentucky ARRL Hamfest Has Moved, Changed Date

*Hamfest Committee,
Bluegrass ARS,
Lexington, Kentucky*

The Hamfest Committee members, and Board of Directors, have located a new site for our hamfest. It will be held in the lower level of Eastland Shopping Center, Winchester Road, Lexington. The site is a bingo hall and is a lot larger than the site we have been using in Lawrenceburg, Kentucky, the past few years.

The committee/board of directors have decided to charge the same for entry tickets (advance: \$5.00 or \$6.00 at the gate), but the cost for tables will be reduced to \$10.00 in advance and \$15.00 at the gate.

The date is the second weekend of August (as always), but on the Saturday rather than Sunday.

With additional numbers of tables and space, more meeting rooms, expansive parking, etc., we can accommodate many more vendors. Pass the word over nets you participate in, club meetings you attend, and to people you know. The contact person is **David Richardson/W9KHZ**, (859) 983-1380, or (daveinlex3@gmail.com). ♦

April Club Meeting

The Program Was Presented by Stephen Bishop/KF4SKJ, Fayette County EOC

Stephen Bishop, KF4SKJ, representing Fayette County EOC, was introduced and conducted an informative session on the mission and resources of the EOC, including the need for volunteer ham radio operators to enhance the Amateur Radio Emergency Service (ARES) communications capabilities. Stephen noted they are planning an open house session at the EOC for amateur radio operators in the future. He also described several planned future activities especially an



EOC communications exercise that will include amateur radio operators participation, currently planned for the second or third Wednesday in September. Please note, only licensed amateur radio operators who are registered ARES members will have entry and access permission to the Fayette County Emergency Operations Center. ♦

Program Schedule for 2017

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

The following programs are scheduled for 2017. Your input and suggestions for programs for 2017 are needed. Call **James Schlessler/WA9MED** at (757) 402-8208, or e-mail to <wa9med@jschlessler.com>.

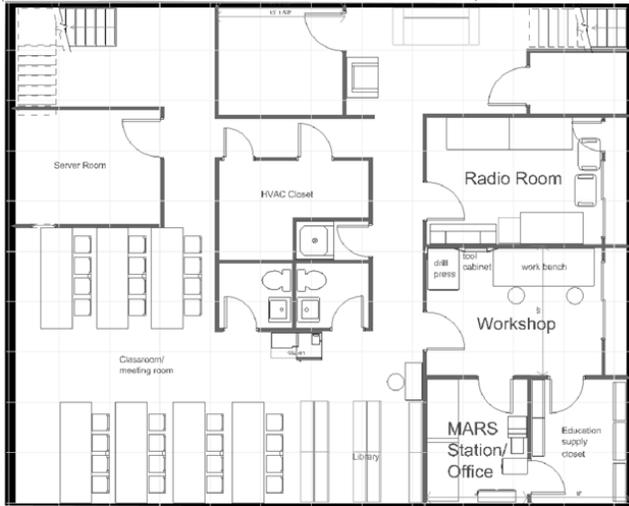
Month	Topic	Presenter(s)	Comments
✓ January	Open		
✓ February	"BOB"	David Richardson/W9KHZ	Personal Emergency Preparedness
✓ March			Severe Weather Identification and Reporting tentatively by Joe Sullivan/KC7ITG of the NWS, Louisville
✓ April		Stephen Bishop and Tim Brandewie	Lexington/Fayette Emergency Management
May			<i>Chemical Weapons Removal – Bluegrass Ordinance Depot, Madison County, Kentucky.</i>
June	"Field Day"	Smokey Wallace/KE6IVK	Site location, preparation, operating stations, etc.
July	Open		
August	Hamfest	David 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	Open		
November	Open		
December	Annual Auction	J.B. Young	will serve as auctioneer to see if he can get you some cash – Bring your items

Cleaning Up/ Reorganizing the Shack

David Richardson/W9KHZ,
Director-at-Large,
Bluegrass ARS,
Lexington, Kentucky

James (Schlesser/WA9MED) and I worked for a few hours this morning (Sat-

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.



shelf. It is meant for members, or anyone, to come to the shack and work on their projects, equipment repairs, etc. Additional tools and equipment will be added as needed. Donations are welcome and encouraged.

I would like to see a bunch of members come to the club on Saturday mornings. I am making new tables/desks for the large room (Education Center) and I have offered to supply the coffee and pastries. I am also willing to provide a LED TV for the wall...I (yes

urday, 22 April 2017), just straightening up and reorganizing the shack. In its current configuration (floor plan above) we can comfortably seat 21 people in the main room (Education Center).



The wooden table that was covered with odds and ends in the shack fits perfectly between the bathroom doors. I want to relocate the fridge and

personally) would love to see *OUR* club be a vibrant fun place to go and hang out, especially on Saturday mornings. We are **TRULY BLESSED** to have a rent/utility/maintenance/insurance/tax **FREE** location to call *OUR* home. Is it wrong to want to utilize the space as something beside a junk closet?



coffee pot to this table and there's enough room for a microwave!

The new work bench (above) is not my finest work, but not bad for a discarded

My professional opinion...our base-ment clubhouse with all it's amenities is a ~\$2000/month value. Let's appreciate, and use, it!

Things are shaping up! ♦

Lithium-Ion Shipping and Travel Regulations: What You Need to Know

by **Chantelle Dubois,**
"All About Circuits,"
March 24, 2017

Lithium-ion batteries are the most commonly used batteries in consumer electronics today. While they are very commonplace, they remain enough of a danger if not handled properly that regulations dictate how they may be shipped.

Compared to many other battery chemistries, lithium-ion batteries have higher power density, lower memory effect, and last longer. However, they remain sensitive to a variety of factors including heat, overcharging, discharging, damage, and short-circuiting. If stressed, lithium-ion batteries can explode, cause damage, hurt someone, or worse. For this reason, batteries are considered "dangerous goods" and are subject to a variety of transportation [and shipping, postage] regulations.

If you've ever ordered batteries on-line or had to travel with your personal electronics, you have probably been exposed to these regulations to some degree.

Here's a quick guide to explain these regulations for the next time you need to import Li-ion batteries or fly with them. Of course, always double check with your shipper or airline to make sure you are aware of the latest rules.

UN/DOT 38.3 Test

For all lithium-ion batteries, the manufacturer is responsible for assuring their batteries pass the DOT 38.3 test, which was developed by the United Nations. The DOT 38.3 test covers the following:

T1 - Altitude simulation: This simulates the cargo environment of an aircraft at an altitude of 50,000 feet and 11.6 kPa for six hours or longer without damage and with less than 10% of voltage lost.

T2 - Thermal test: Batteries must sustain ten cycles of storage at -40F and 167F for six hours at each temperature.

T3 - Vibration: The vibration tests simulates worst-case conditions for transport and involve a sine sweep of 7Hz-200Hz-7Hz over a period of 15 minutes. The batteries must sustain 12 sweeps total over a period of three hours.

T4 – Shock: Batteries must pass a shock test of 50G/6ms (small batteries) and 50G/11ms (large batteries). Batteries are subjected to three pulses in the x, y, and z plane in both directions.

T5 – External short circuit: A short circuit of less than 0.01ohm is applied at 131F. The short circuit may not generate a temperature exceeding 338F and batteries must return to original temperature within an hour.

T6 – Impact: For primary and secondary cells, batteries larger than 20mm in

“Life is really simple, but men insist on making it complicated.”

~ Confucius

diameter are tested for impact. Batteries less than 20mm in diameter or tested for crushing.

T7 – Overcharge: For rechargeable batteries, they are charged at a charge current twice the manufacturer's recommendation over a period of 24

hours, then monitored for seven days.
T8 – Forced discharge: For primary and secondary cells, the batteries are force discharged and monitored for seven days.

United States Postal Service (USPS): Ground Shipping

Regulations for shipping batteries by post are managed by the U.S. Department of Transportation (DOT) and the Pipeline and Hazardous Materials Safety Administration (PHMSA).

A maximum of four cells or two bat-

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 **Smokey Wallace/KE6IVK**, President, Bluegrass ARS, Inc., PO Box 4411, Lexington, Kentucky 40544-4411 (ke6ivk@arrl.net).

The person selected from your nominations will be honored during a special award ceremony held during the ARRL Central Kentucky Hamfest, Saturday August 12, 2017. Many arrangements must be made, so do not put this off.

Rules

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 12, 2017) 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 gen-

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

teries (in equipment) is permitted to be shipped without a label. Above this quantity (more than two batteries, or more than eight cells), a special shipping label must be included. The typical label is at minimum 110x120mm in dimension, bordered with red, diagonal hatchings, with battery symbols in black on a white background. Instructions on transport method

in the event the batteries must be returned to sender must be included, as well as the UN number, which describes the battery chemistry. For lithium-ion batteries, this is UN 3480 and UN 3481 (batteries packed within equipment). A phone number for someone knowledgeable about the batteries being transported must be included as well. This label must include a warning

Andy Rooney wrote that . . .
"I dislike loud-mouthed patriots who think they like our country more than I do. Some people's idea of patriotism is hating other countries."

about potential flammability if the package is damaged.

When single batteries are shipped alone (not in equipment), the label must include "Surface Mail Only, Lithium Metal Batteries - Forbidden for Transportation Aboard Passenger Aircraft."

When shipping internationally, lithium-ion batteries may only be shipped in the equipment they will power—for example, inside a mobile phone.

By Courier (FedEx, UPS)

Generally, couriers will follow the same air or ground shipment rules, with the exception for express shipment. In order to express ship lithium-ion batteries, a request must be submitted in advance and approved, with a dangerous goods shipment contract. A form will usually be filled out with various details on the shipment.

International Air Transport Association (IATA): Shipping by Air Commercial Shipping

In the IATA's 2017 Lithium Ion Battery Guidance Document, there are three configurations in which batteries are transported:

- i) Contained within equipment
- ii) Packed with, but not contained in, equipment
- iii) Packed by themselves

Lithium ion batteries are also categorized as "lithium ion" or "lithium metal".

Lithium ion/metal batteries are not permitted to be shipped onboard a passenger airplane as cargo, and must be shipped on separate cargo flights at a state of charge of 30 percent with packaging that reads "For Cargo Aircraft Only." When packaging batteries for air transport, they must be done so in a way where none of their terminals may come in contact (where they can potential short-circuit) and are protected from potential damage. Encasing the terminals and using reinforced packaging is recommended.

Shipping batteries within equipment (for example, a laptop battery compartment) is generally sufficient to keep them protected as long as they cannot be accidentally activated. Packages must be capable of sustaining a drop from a height of approximately four feet without dam-

Schedule for Volunteer Examinations in 2017

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

The exam schedule for 2017 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	Danville Red Cross 3rd St Methodist Church S. 3rd Street Danville KY 40442	Georgetown Police Dept 550 Bourbon Street Georgetown KY 40324

* August, Bluegrass ARS Hamfest, Eastland Shopping Center, Lexington, Kentucky
 ** September, CKARS 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**, k4ft@bellsouth.net, 563-505-0339, Wilderness Road Amateur Radio Club
 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**, eppersond@aol.com, 859-771-1834

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

Date and Time	VEC	Location
Saturday, May 13 , 2017	10:00 AM ARRL	Lexington
Saturday, June 10 , 2017	10:00 AM ARRL	Georgetown
Tuesday, June 13 , 2017	07:00 PM WCARS	Lexington
Saturday, July 8 , 2017	10:00 AM W5YI	Winchester
Saturday, July 22 , 2017	10:00 AM ARRL	Danville
Saturday August 12 2017	11:00 AM ARRL	BARS Hamfest
Saturday, September 9 , 2017	10:00 AM ARRL	Georgetown
Saturday, September 16 , 2017	12:30 PM W5YI	**Richmond
Tuesday, September 19 , 2017	07:00 PM WCARS	Lexington
Saturday, October 14 , 2017	10:00 AM W5YI	Winchester
Saturday, October 28 , 2017	10:00 AM ARRL	Danville
Thursday, November 2 , 2017	06:30 PM ARRL	Georgetown
Saturday, November 11 , 2017	10:00 AM ARRL	Lexington
Saturday, December 9 , 2017	10:00 AM ARRL	Georgetown
Tuesday, December 12 , 2017	07:00 PM WCARS	Lexington

age, and the packaging must have a lithium battery shipping label (as described above). The maximum weight of a package containing lithium batteries may not exceed 35 kg.

Batteries which have known defects (such as in the case of a recall) are not permitted to be shipped by air.

Traveling with Lithium Ion Batteries

Batteries being brought onboard an aircraft by passengers are also subject to some rules. For batteries not contained within an electronic device ("spares"):

Batteries must be transported with the passenger in their carry-on luggage, not in checked luggage, and must be protected from short circuiting. The batteries may not exceed 100 Wh per battery, or with approval, 160 Wh (in which case there is a maximum of two batteries)

Recalled batteries may not be brought onboard an aircraft

Electronics which contain lithium-ion batteries are permitted for travel, and may also be transported in checked luggage. ♦

Hamvention 2017

<http://hamvention.org/about/hamvention/>
Hamvention will be held May 19, 20 and 21, 2017, at the Greene County Fairgrounds and Expo Center, Xenia, Ohio. For more information, Email is the best way to reach a specific committee unless otherwise noted!

Flea Market –
fleamarket@hamvention.org

Volunteers –
volunteers@hamvention.org

General Information –
info@hamvention.org

Inside exhibits –
exhibits@hamvention.org

Media – media@hamvention.org

Ticketing information –
tickets@hamvention.org

Website –
webmaster@hamvention.org

Forums – forums@hamvention.org

International Relations –
international@hamvention.org

Prizes – prizes@hamvention.org

Talk-in Frequencies – For directions and assistance in the Dayton Area during your visit to Hamvention®, contact "Talk-In" on the DARA Repeater 146.94 (-), alternate 146.985 (-) 123.0 PL. Dayton

"If you want to retain those who are present, be loyal to those who are absent."

~ Stephen R. Covey

Hams also monitor 223.94 (-) and 442.1 (+). MIDCARS will again monitor and provide travel assistance on 7.258 MHz

If you have a specific question that isn't answered on the site, please contact us at <<http://hamvention.org/contact-us/>>.

The entire staff of Hamvention volunteers is working hard behind the scenes to make 2017 a year to remember as we complete the transition from the old Hara Arena location to Hamvention's new home at the Greene County Fairgrounds and Exposition Center. Details will be posted when they become available, so check back often.

Where it all started...

Since 1952 Hamvention® has been sponsored by Dayton Amateur Radio Association (DARA). For many years it has been the world's largest amateur radio gathering, attracting hams from throughout the globe. In about 1950, **John Willig, W8ACE**, suggested the Dayton Amateur Radio Association sponsor a HAM Convention, but disappointingly was turned down. John wanted to have a quality affair. Speakers and prizes would be a drawing point. John finally found a champion in **Frank Schwab, W8YCP** (W8OK), the newly elected president of the club. A meeting was held and the DARA Board allocated \$100 to get started. The first organizational meeting was held in January 1952. The Southwestern Ohio Hamvention was born.

The first committee consisted of: John Willig, W8ACE, General Chairman Al Dinsmore, W8AUN, Arrangements Bob Siff, W8QDI (K4AMG), Prizes and Exhibits Frank Schwab, W8YCP (W8OK), Publicity Bob Montgomery, W8CUJ, Finance Clem Wolford, W8ENH, Program Ellie Haburton, W8GJP (W4ZVW), Women's Committee. The next year the name became "Dayton Hamvention®" and was registered as a trademark.

April was determined to be the best time, but the Biltmore Hotel, in downtown Dayton was booked. March 22 was the chosen date, causing a short lead time.

How far did \$100 go? Not far! A 12-

inch TV was raffled off to help raise funds. The FCC agreed to give license exams and **Phil Rand, W1BDM**, a pioneer in TVI elimination was on the program. First prize, a Collins 75A2, was purchased locally.

Hoping for 300 visitors, the committee was amazed that over 600 showed up! There were 7 exhibitors and 6 forums. The ladies program was successful with a luncheon at the Biltmore and a trip to a local TV station.

In 1955 the Awards Program began with the "Amateur of the Year." The Flea Market has grown from 200 to more than 2000 spaces. In 1964 the Hamvention® moved to Hara Arena. Shuttle buses and handicapped parking were added in 1969.

In 1973 it became a two-day event with Sundays added in 1974. The program has grown to a "Souvenir Program" and in 1976 the dimensions changed from 6x9 inches to the current 8-1/2x11 inches.

The growth of the Dayton Hamvention® can be attributed to caring, energetic people who enjoy being on a winning team. ♦

Two New Bands in USA: 630 Meters and 2200 Meters

QRZ.com Forums

The FCC on March 28 adopted rules that will allow secondary Amateur Radio access to 472-479 kHz (630 meters) and to 135.7-137.8 kHz (2,200 meters), with minor conditions.

It allocates 472-479 kHz to the Amateur Service on a secondary basis and amends Part 97 to provide for Amateur Service use of that band, as well as of the previously allocated 135.7-137.8 kHz band. The R&O also amends Part 80 rules to authorize radio buoy operations in the 1900-2000 kHz band under a ship station license. Just when the new Part 97 rules will go into effect is difficult to determine just yet; more on that below.

"It's a big win for the Amateur community and the ARRL," ARRL CEO **Tom Gallagher, NY2RF**, said. "We are excited by the FCC's action to authorize Amateur Radio access for the first time on the MF and LF spectrum. As amateurs begin using these new allocations in the next few weeks, we encourage the entire Amateur Radio community, as secondary users, to be especially attentive to the rules."

Here are the highlights:

Amateurs operating on 472-479 kHz will be permitted a maximum equivalent isotropically-radiated power (EIRP) of 5 Watts, except in parts of Alaska within 800 kilometers (approximately 496 miles) of Russia, where the maximum would be 1 Watt EIRP. (*EIRP is the product of the power supplied to the antenna and the antenna gain in a given direction, relative to an isotropic antenna (absolute or isotropic gain). EIRP is equal to ERP multiplied by 1.64.*)

Amateurs operating in the 135.7-137.8 kHz band will be permitted to run up to 1 Watt EIRP.

The FCC is requiring a 1-kilometer separation distance between radio amateurs using the two new bands and electric power transmission lines with PLC systems on those bands. Amateur Radio operators will have to notify the UTC of station location prior to commencing operations.

The FCC Wireless Telecommunications Bureau will provide details on the notification process later, but ARRL is urging radio amateurs interested in operating on either band to register at the earliest opportunity,

"Today you can go to a gas station and find the cash register open and the toilets locked. They must think toilet paper is worth more than money."

~ **Joey Bishop**

to avoid having to protect any "post-notification" PLCs.

The FCC placed a 60-meter (approximately 197 feet) above-ground-level (AGL) height limit on transmitting antennas used on 630 meters and 2,200 meters.

The bands would be available to General class and higher licensees, and permissible modes would include CW, RTTY, data, phone, and image. Automatically-controlled stations would be permitted to operate in the bands.

In an unrelated action, the FCC allocated 1,900-2,000 kHz to the maritime mobile service (MMS) on a primary basis for non-Federal use in ITU Regions 2 and 3, and limited the use of this allocation to radio buoys on the open sea and the Great Lakes.

"We are persuaded by ARRL's comments to adopt final rules that are better tailored to the places where the commer-

cial fishing fleet can make reasonable and productive use of radio buoys," the FCC said.

Amateur Radio was upgraded from secondary to primary in the 1900-2000 kHz segment in 2015. The FCC said it believes Amateur Radio and radio buoys "can continue to share this frequency band as they have done for many years." It declined to make additional spectrum available for radio buoy use.

Effective Date

The fact that the new rules contain a new information-collection requirement – notification of operation to the UTC – makes it difficult to guess at an effective date. The FCC R&O says the Office of Management and Budget (under the Paperwork Reduction Act) must first approve the information-collection requirements (in §97.303[g][2]). Once that happens, the revised Part 97 rules sections will become effective after the FCC publishes a notice in **The Federal Register** "announcing such approval and the relevant effective date."

Source: ARRL



It's the Rule

FCC Proposes Levying Huge Fine

"The ARRL Letter,"

April 17, 2017

The FCC has proposed a fine of more than \$400,000 on a Queens, New York, man who has admitted making unauthorized transmissions on New York City Police Department radio frequencies, maliciously interfering with NYPD officers' communications. **Jay Peralta, 20**, is alleged to have transmitted false bomb threats, false claims of criminal activities involving firearms, false distress calls from purported NYPD officers, and threats against individual NYPD officers. The unauthorized transmissions began a year ago, according to the FCC.

"Through his actions, as he described them to the NYPD, Peralta has demonstrated not only a deliberate disregard of the Commission's authority and rules, but of the safety of NYPD officers and the public," the FCC said in a Notice of Apparent Liability (NAL), issued April 14. "Commission action in this context is therefore essential to safeguard authorized operations on spectrum licensed for public

safety uses, and, accordingly, a substantial penalty appears warranted."

The FCC said the NAL addresses nine unauthorized and interfering transmissions that Peralta has admitted to the NYPD that he made on its radio system.

FCC Chairman **Ajit Pai**, said that with the NAL, the FCC is making it "abundantly clear that it will not tolerate unauthorized and illegal use of the radio spectrum." The entire Commission now must sign off on such proposed fines, and Pai said he was grateful to his fellow FCC members for "agreeing to act swiftly and strongly" in the matter. "This may not be a typical pirate radio case in which an unauthorized operator inflicts damage on a radio broadcaster that is operating with a valid FCC license," Pai said, "but it does involve unauthorized interference to critical public safety communications systems."

Peralta was arrested last fall along with two other men suspected of committing several robberies. According to news ac-

counts, police found a cache of scanners and radios in one of the suspects' homes.

The FCC said it was alerted by a Twitter post about an unlawful intrusion on the NYPD radio system and dispatched an Enforcement Bureau agent to check it out. On September 30, the NYPD contacted the FCC's New York Office and advised that it had arrested Peralta and another individual in connection with unauthorized transmissions on NYPD's radio system. According to police reports, the other individual arrested – **Ricardo Torres, 29**, described as "a ham radio enthusiast" – allegedly provided the radios used.

Torres, is said to hold an FCC General Mobile Radio Service (GMRS) license but his name does not appear in the Amateur Radio licensee database. Police said they found 15 portable radios, 9 scanners, rooftop antennas, an amplifier, and assorted other electronics in Torres's apartment.

Peralta has 30 days to pay or contest the proposed \$404,166 FCC forfeiture.

Where's the Rare DX?

"OPDX Bulletin 1312"

April 10, 2017

<<http://www.papays.com/opdx1312.html>>

BOTSWANA (A2) – A Russian team will sign Yuri/RMØF (A25BI), Pavel/R2AD (A25SP), and YL Elena/RC5A (A25BE) on 160-6m using CW and SSB. QSL all operators via ClubLog's OQRS (direct and Buro) or LoTW (except R2AD).

BURUNDI (9U) – A group will be active as 9U4M Nov 6-17 on the lower bands, and the WARC bands using Digi modes. They will have five stations, operating any mode around the clock. their web site is coming soon.

CEUTA AND MELILLA (ED9/EG9) – Listen for EG9TOR May 18-22, and ED9T during the King Of Spain CW 2017 Contest May 21-22, using CW, SSB, and Digi on all HF bands. QSL via EA4PN, ClubLog OQRS (direct and Buro), LoTW or eQSL. See info on QRZ.com.

CHAGOS (VQ9) – Jeremy/N1ZZZ will sign VQ9ZZ til mid-Jun on 20/17m, SSB and various low power Digi modes. QSL via his home CBA, direct, Buro or LoTW.

DEM REP OF THE CONGO (9Q) – Fernando/EA4BB will sign 9Q6BB for 3 years on HF (80-10m), mainly SSB. QSL via W3HNK.

DJIBOUTI (J28) – Jean-Philippe/F1TMY will sign J28PJ for at least 3 years on 160-6m. QSL via F1TMY.

ERITREA (E3) – Zorro/JH1AJT will sign E31AA and E39DI May 19-29 on 160-10m using CW, SSB and RTTY. QSL both call signs via JH1AJT.

FRENCH POLYNESIA (FO) – Jean-Pierre/F6CTF will sign FO/F6CTF from Taravao, Tahiti, and FO/F6CTF/MM Jun-Sep on 40/20/17/15m. QSL via his home CBA direct or eQSL.

GALAPAGOS ISLANDS (HC8) – Tim/LW9EO, will sign HC8/LW9EOC from Isabela island (SA-004) May 15-29 on 160-6m on 30/17/12m, using CW, SSB and RTTY. QSL via his home CBA direct or LoTW.

INDIAN OCEAN 6M EME DXPEDITIONS (West Is/Cocos Is) – Listen for Lance/W7GJ signing VK9CGJ Sep 12-28, and Christmas Island as VK9XGJ Oct 2-18) on 6m EME QSOs. <<http://www.bigskyspaces.com/w7gj/Indian%20Ocean%202017.htm>>

ISLAY ISLAND (EU-008) (GS3) – a group will sign GS3PYE/P May 6-12 on all bands and many modes from 4m to 80m (2m/70cm for Satellites and 2m/23cm for EME). QSL via OQRS (info on

Upcoming Contests

Sean Kutzko/KX9X,

QST, <<http://www.arrl.org/contest-calendar>>, scroll down, click on "Contest Corral"

- May 1 AGCW QRP/QRP Party, 80/40m, CW, www.agcw.org/index.php/en
- May 1 RSGB 80-Meter Club Championship, SSB, www.rsgbcc.org/hf
- May 2 ARS Spartan Sprint, 80-10m, CW, arsqrp.blogspot.com
- May 3 432 MHz Spring Sprint, Any mode, www.sites.google.com/site/springvhfupsprints
- May 3-4 MIE 33 Contest, All Bands, CW/Phn, www.ztv.ne.jp/isoda/33
- May 4 NRAU 10-Meter Activity Contest, Digi, CW, Phn, www.nrau.net/activity-contests
- May 6 FISTS Spring Slow Speed Sprint, 80-10m, CW, www.fistsna.org
- May 6 Microwave Spring Sprint, All Bands Above 902MHz, Any Mode, www.sites.google.com/site/springvhfupsprints
- May 6-7 10-10 International Spring Contest, CW, www.ten-ten.org
- May 6-7 SBMS 2.3 GHz and Up Contest, Digi/CW/Phn, www.n6nb.com/sbmsrules.htm
- May 6-7 ARI International DX Contest, 160-10m, Digi/CW/Phn, www.ari.it
- May 6-7 F9AA Cup, 80-10m plus 2m, PSK, www.site.urb.asso.fr
- May 6-7 7th Call Area QSO Party, 160-2m, Digi/CW/Phn, www.ws7n.net/7QP
- May 6-7 Indiana QSO Party, 160-10m, CW/Phn, www.hdxcc.org/inqp/rules.html
- May 6-7 Delaware QSO Party, 160-UHF, CW/Phn, www.fsarc.org/qsoparty
- May 6-7 New England QSO Party, 80-10m, Digi/CW/Phn, www.neqp.org/rules.html
- May 10 RSGB 80-Meter Club Championship, Data, Digi, www.rsgbcc.org/hf
- May 11 NAQCC CW Sprint, 80-20m, CW, www.naqcc.info
- May 13 Jakarta DX Contest, 40 Meters, Phn, www.jakartadxcontest.com
- May 13 FISTS Spring Unlimited Sprint, 80-10m, CW, www.fistsna.org
- May 13-14 CQ-M International DX Contest, 160-10m, CW/Phn, www.cq-m.ru/en
- May 13-14 HPC World Wide DX Contest, 80-10m, Digi, www.pskclub.gr/contest
- May 13-14 VOLTA WW RTTY Contest, 80-10m, Digi, www.contestvolta.com
- May 13-14 Arkansas QSO Party, 80-10 plus 2m, CW/Digi/Phn, www.arkqp.com
- May 13-14 SKCC Weekend Sprintathon, 160-6m, CW, www.skccgroup.com
- May 13-14 MARAC County Hunters Contest, 80-10m, CW, www.marac.org
- May 13-14 Portuguese Navy Day Contest, 80-10m, CW/Phn, www.nra.pt
- May 13-14 50 MHz Spring Sprint, www.sites.google.com/site/springvhfupsprints
- May 14 WAB 7 MHz Phone, www.wab.intermip.net
- May 14 UA2 QSO Party, 80-20m, CW/Phn, www.qrz.ru
- May 15 4 States QRP Group Second Sunday Sprint, 160-10m, CW/Phn, www.4sqrp.com
- May 20 UN DX Contest, 80-10m, CW/Phn, www.undxc.kz/bez-rubriki
- May 20 Portuguese Navy Day Contest, Digital, 80-10m, www.nra.pt
- May 20 Feld Hell Sprint, 160-6m, Digi, www.sites.google.com/site/feldhellclub
- May 20-21 NZART Sangster Shield Contest, 80m, CW, www.nzart.org.nz/activities
- May 20-21 His Majesty King of Spain Contest, 160-10m, CW, www.concursos.ure.es
- May 20-21 EU PSK DX Contest, 80-10m, Digi, www.eupsk.com
- May 20-21 Aegean RTTY Contest, 80-10m, Digi, www.aegeandxgroup.gr
- May 20-21 Baltic Contest, 80m, CW/Phn, www.lrsf.lt/bcontest/english
- May 22 Run for the Bacon QRP Contest, 160-10m, CW, www.qrpcontest.com/pigrun
- May 24 SKCC Sprint, 160-10m, CW, www.skccgroup.com
- May 25 RSGB 80-Meter Club Championship, CW, www.rsgbcc.org/hf
- May 27-28 CQ WW WPX Contest, 160-10m, CW, www.cqwpw.com
- May 28 SARL Digital Contest, 80-20m, Digi, www.sarl.org.za

QRZ.com) or MØVFC direct or via Buro. <<http://dx.camb-hams.com>>

JERSEY ISLAND (MJ) – A Team (Alex/PA1AW, Ron/PA3EWP, Jo/PA9JO, and Bob/PB5X) will sign MJ/homecall May 5-11 on 160-2m using as many as possible modes. QSL to Alex/PA1AW for all call signs. <<http://www.ildxt.eu/mj2017-ildxt-goes-to-jersey-bci>>.

KUWAIT (9K) – Abdallah/9K2GS will sign 9K2K in the CQWW WPX CW Test

May 27-28 on all band. QSL via LoTW.

LEONT'YEVA ISLAND (AS-022) – A group will sign RIØLI from the Medvezhyi (Bear) Islands group in the E Siberian Sea during the third week of Jul on various HF bands. <<http://www.rioli.com>>

MALDIVES (8Q) – John/G4IRN will sign 8Q7RN from Maldive Is (AS-013) in Jun 2017 on various HF bands. QSL via his home CBA or OQRS.

MARKET REEF (EU-053) (OJØ) –

Pasi/OH3WS will sign OJØW May 6-7 on 20-6m using CW and SSB. He will try 60m with both CW and SSB on 5354 kHz. QSL via his home CBA.

MINAMI TORISHIMA (JD1) – Take/JG8NQJ will sign JG8NQJ/JD1 from Marcus Is in the Minami Torishima (OC-073, JCG 10007) group mid-May til mid-Jul mainly on 17m but also on 20/15/12/10/6m using CW and RTTY. QSL via JA8CJY or by the Buro via JG8NQJ.

MINDANAO ISLAND (DU9) (IOTA OC-130) – Marc/ON5SM will sign DU9/ON5SM til May 24 on 80-6m using SSB

and Digi. QSL via his home CBA, direct or by the Buro.

SOUTH COOK ISLANDS (E5) – Shirley/VK5YL will sign E51XYL from Rarotonga Is (OC-013) Jun 10-17 on 20m SSB. QSL via her home CBA.

SVALBARD (JW) (EU-026) – Kamil/SQ8KFH will sign JW/SQ8KFH til May 20 on 20m using SSB, PSK, and RTTY. QSL via his home CBA by the Buro or LoTW.

SPRATLY ISLANDS (9MØ) – The international amateur radio team has postponed their Dec 2017 DXpedition. They

will be active from Layang Layang Is (Swallow Reef), Spratly Islands (AS-051), in Mar of 2018.

SEYCHELLES (S7) – Ivan/LZ1PJ will sign S79J from Mahe Is (AF-024) May 2-10 on various HF bands using CW only. He will give out SKCC QSOs. QSL via his home CBA, direct, by the Buro and possibly LoTW.

VIETNAM (XV9) – Jesus/JP7MBO will sign XV9G til May 9. on 20m during the daytime and 40m at night, and if the band is open, 15m. Mostly CW and SSB occasionally. ♦

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 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) – Test sessions are the second Saturday of January, April, July, and October at 10:00 AM. They are located in the Clark County EOC, 200 Maryland Avenue, Winchester, Kentucky. Their 2017 schedule: 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**, 563-505-0339, Wilderness Road Amateur Radio Club, Red Cross Building, 454 South Third Street, Danville.

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. 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 – Contact **Chris Gay/KU4A**, ku4a@arrl.net. 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.

Pioneer ARC (Winchester) – Fourth Tuesday each month, Golden Corral Restaurant at 7:00 PM (eat at 6:00), except March 24 will meet at City Hall (SkyWarn). Talk-in and info on the 145.430 (T-103.5) repeater.

Jessamine Amateur Wireless Society (Nicholasville) – Second Monday each month at 7:00 PM in the 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 and information on the 145.490 (T-123.0).

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

The Madison County ARES Net meets 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.

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 General Meeting of the Bluegrass Amateur Radio Society, Inc., April 3, 2017*

The April BARS general meeting was called to order by President **Smokey Wallace, KE6IVK**, at 7:33pm.

Self-introductions were made by all twenty-four (24) licensed amateur radio operators in attendance which included four (4) nonmember visitors.

President **Smokey Wallace, KE6IVK**, welcomed all present for the Fayette County Emergency Operations Center (EOC) presentation. **Stephen Bishop, KF4SKJ**, from the EOC, was introduced and conducted an informative session on the mission and resources of the EOC, including the need for volunteer ham radio operators to enhance the Amateur Radio Emergency Service (ARES) communications capabilities of the EOC. An open house session at the EOC for amateur radio operators may likely be scheduled in the future. An EOC communications exercise, including amateur radio, is currently planned for the second or third Wednesday in September. Only licensed amateur radio operators who are registered ARES members will have entry and access permission to the Fayette County Emergency Operations Center.

After conclusion of the Fayette County EOC presentation, President **Smokey Wallace, KE6IVK**, called for a shortened general meeting of the of the Bluegrass Amateur Radio Society.

Treasurer **John Barnes, KS4GL**, presented the BARS family membership application for **David Nash, KM4KPV**, and **Stephanie Roadarmel, KM4KPW**. The application had been reviewed and accepted by the directors at the past March director's meeting. **David Richardson, W9KHZ**, moved, and **Martin Weaver, KM4HPK**, seconded, that the application be accepted, which was approved unanimously.

Treasurer **John Barnes, KS4GL**, submitted the summary treasurer's report of amounts available in deposits as of February 28, 2017. (See Treasurer's Financial Summary, this page.) **Martin Weaver, KM4HPK**, moved, and **Bob Brown, KI4JWK**, seconded, that the treasurer's report be accepted, which was approved unanimously.

BARS member not feeling at his best this month is **Bill Fuqua, WA4LAV**.

Old Business

I. The joint BARS/JAWS Kids Field Day is scheduled for Saturday, May 13th, from 11:00am to 3:00pm, Jacobson Park Shelter #4. Setup time will begin around 9:00am. Lunchtime food will be provided.

TREASURER'S FINANCIAL SUMMARY

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

BLUEGRASS AMATEUR RADIO SOCIETY, INC. INCOME, EXPENSES, AND ACCOUNT BALANCES March 31, 2017

	Checking Account	Pay Pal Account	Savings Account	Total
Income:				
ARRL Dues	0.00	0.00	0.00	0.00
BARS Dues	20.00	0.00	0.00	20.00
Coax/Repeater	0.00	0.00	0.00	0.00
Donations	500.00	0.00	0.00	500.00
Education	0.00	0.00	0.00	0.00
Hamfest	0.00	0.00	0.00	0.00
Interest	0.84	0.00	0.01	0.85
Miscellaneous	0.00	0.00	0.00	0.00
Total	520.84	0.00	0.01	520.85

Expenses:				
ARRL Dues	0.00			0.00
Coax/Repeaters	0.00			0.00
Donations	0.00			0.00
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	105.62			105.62
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	105.62			105.62

Account Balances

	February 28, 2017	March 31, 2017
Checking*	\$12714.49	\$13129.71
Pay Pal Balance	\$ 2506.64	\$ 2506.64
Savings Balance	\$ 200.28	\$ 200.29
Total Balance	\$15421.41	\$15836.64

*Fund Specific Balances (Checking)

General	\$10054.55	\$ 9969.77
Coax/Repeater	\$ 664.64	\$ 1164.64
Education	\$ 1995.30	\$ 1995.30
Total	\$12714.49	\$13129.71

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

II. The MARS operating position has been relocated to the back room by itself. A new MARS antenna installation is being studied.

New Business:

I. The Lexington Fire Department donated three VHF repeaters and associated antenna tuned cavities to BARS, that were surplus after they upgraded to new technology equipment.

II. The second room is being rearranged with a work table and test bench.

III. **Martin Weaver, KM4HPK**, will be conducting a Boy Scout Radio Merit Badge session on Saturday, June 10th, in the BARS education room.

IV. Secretary **Bruce Campbell, KM4EHU**, is compiling a BARS keys inventory list. Please contact the secretary if you are in possession of any door keys to the BARS rooms at the Red Cross building.

V. The Wednesday evening ARES network

is considering moving from the K4KJQ 146.76 repeater located at the WKYT-TV studio tower, to the K4UKH 147.120 repeater at the UK Medical Center on campus, since the Fayette County ARES is registered to the 147.120 repeater.

The next ham license test session this month will be in Danville on April 25th. Please consult the KN4S website for additional test session schedules and detailed information.

The next formal BARS scheduled meetings in March and April are:

Directors' Meeting: Monday, April 17th, at 7:30pm, in the BARS room at the Red Cross Bldg.

KY-QRP Meeting: Monday, May 1st, at 7:00pm, in the meeting room at the Red Cross Building.

General Meeting: Monday, May 1st, at 7:30pm, in the meeting room at the Red Cross Building.

Program: Richmond Bluegrass Army Depot Chemical Weapons Disposal

Unit and Chemical Stockpile Emergency Preparedness Plan (CSEPP).

Hamvention: Friday, May 19th, through Sunday, May 21st, Xenia, Ohio.

Directors' Meeting: Monday, May 15th, at 7:30pm, in the BARS room at the Red Cross Bldg.

The first correct answer to **Terry Layman's, N6OKR**, trivia question as to what caused the plates to melt down on a vacuum tube rectifier was submitted by **Martin Weaver, KM4HPK**, which was a short failure of the B+ supply filter capacitor(s).

With no other business at 9:07pm, **David Richardson, W9KHZ**, moved, and **Brad James, WA4HBM**, seconded that the meeting be adjourned, which was approved unanimously.

Recorded and submitted by:

Bruce A. Campbell, KM4EHU
Secretary

Minutes of the Board of Directors Meeting, April 17, 2017

Recorded and submitted by:
Bruce Campbell, KM4EHU
Secretary

The directors' meeting was called to order by President **Smokey Wallace, KE6IVK**, at 7:32pm. In attendance were: President – **Smokey Wallace, KE6IVK**; First Vice President – **Bill Fuqua, WA4LAV**; Second Vice President – **James Schlessler, WA9MED**; Treasurer – **John Barnes, KS4GL**; Secretary – **Bruce Campbell, KM4EHU**; Directors-at-Large – **David Richardson, W9KHZ, Tim Kunkel, KF4MPM**; Trustee – **Andrew Cook, KF4OWP**. In addition, Newsletter Committee chair **Bill DeVore, N4DIT**; past president **Brad James, WA4HBM**; MARS representatives **Barry Jackson, WB4N** and **Harvey Fry, AA4HF**; plus member **David Nash, KM4KPV**, were present.

Treasurer **John Barnes, KS4GL**, presented one new membership application from **Jeff Cole, KM4BJT. James Schlessler, WA9MED**, moved, and **Tim Kunkel, KF4MPM**, seconded that the application be accepted, which was approved unanimously. It will be presented to the membership at the next general meeting scheduled for May 1, 2017.

Treasurer **John Barnes, KS4GL**, submitted the summary treasurer's report of amounts in available deposits as of March 31, 2017. (See Treasurer's Financial Summary, Page 10 of this newsletter.) **Tim Kunkel, KF4MPM**, moved, and **James Schlessler, WA9MED**, seconded that the treasurer's report be accepted, which was approved unanimously.

Secretary **Bruce Campbell, KM4EHU**, is compiling an inventory sheet for all keys to BARS rooms, cabinets, and equipments currently held by members.

Committee Reports

Education: Bill Fuqua, WA4LAV. There will be workshop on Saturday, April

22.

Hamfest: David Richardson, W9KHZ. Suggestions for vendors to invite to this summer's hamfest would be welcome and appreciated. The possibility of sending direct invitations to our neighboring amateur radio clubs proposing they consider a table of their own for their members' equipment sales and swaps, since there will be no tailgating at the new hamfest location, was discussed.

Shack: Smokey Wallace, KE6IVK. The back room rearrangements for the MARS station have been completed. A new antenna for the MARS station is being studied. Installation of a work bench has been completed by **David Richardson, W9KHZ**, in the office room.

Repeater: Andrew Cook, KF4OWP, and Bill Fuqua, WA4LAV. The noise problem on the 146.760 repeater is likely due to an interfering signal whose source and subsequent solution are being investigated. Although the existing antennas and feedlines may be nearing the end of their useful service lives, their replacements will

possibly not reduce or eliminate the noise problem

Newsletter: Bill DeVore, N4DIT. Relevant content is always welcome for inclusion in future editions of the newsletter.

Contest: The committee's chairman position is currently vacant, and volunteers for the committee will be considered.

Emergency Preparedness: Smokey Wallace, KE6IVK. The weekly, Wednesday evening, Fayette County ARES net will be conducted on The University of Kentucky Emergency Service, K4UKH, 147.120 MHz repeater located at the UK Medical Center. The ARES net is moving from the BARS K4KJQ 146.760 MHz repeater located on the WKYT-TV tower, since the 147.120 MHz repeater is the registered Fayette County ARES frequency.

The committee's chairman position is currently vacant, and volunteers for the committee will be considered.

Public Relations and Membership: The committee's chairman position is cur-

rently vacant and volunteers for the committee will be considered.

Volunteer Exams: (Fernie Williams, KE6MAI). While not a Bluegrass ARS function, it was announced an examination session will be held Tuesday, April 25, in Lawrenceburg.

Old Business:

A Kids' Field Day is being planned as a joint BARS/JAWS event at Jacobson Park on Saturday, May 13th, from 11:00am to 3:00pm. The shelter has been reserved. Setup time is planned for 9:30am.

New Business:

1. **David Nash, KM4KPV**, proposed that BARS directly solicit donations from community corporations and organizations who may be interested in supporting the club's four (4) objectives contained in Article III of the Bylaws. In addition, the MARS operations within BARS may be eligible for government funds. The various aspects of these proposals will be studied.

2. **Martin Weaver, KM4HPK**, will be conducting a Boy Scout Radio Merit

Badge Session in the BARS meeting room and shack on Saturday, June 10th.

3. **David Richardson, W9KHZ**, provided copies of a proposed functional floor plan for BARS rooms layout, which may be considered during future space rearrangements.

4. **David Richardson, W9KHZ**, proposed that the BARS membership be surveyed concerning their professional and trade skills in order to compile an inventory of members available and agreeable for basic small tasks, such as plumbing and electrical work, that may be needed in the BARS rooms. A method of polling the membership will be studied.

5. New electronic (non-wireless) combination door locks have been installed on the shack and office doors. Physical keys to the two locks have been given to the Red Cross for emergency and maintenance access. BARS officers have the admittance codes. The president and secretary are in possession of the lock programming codes.

6. Bylaws Article V, Officers Responsibilities and Duties, were discussed. Clarifications and modifications to certain parts

and paragraphs may have to be considered in future revisions to the Bylaws to provide better defined scopes, purposes, understandings, and interpretations of actions and latitudes allowed within the framework of the Bylaws.

President's comments and announcements:

The next formal BARS scheduled meetings in May are:

May 1st, 7:00pm - KY QRP

May 1st, 7:30pm - General Meeting
Program: Bluegrass Army Depot
Chemical Weapons Disposal Unit,
and Chemical Stockpile Emergency
Preparedness Plan (CSEPP).

May 13th, 11:00am - BARS/JAWS
Joint Kids Field Day at Jacobson
Park.

May 15th, 7:30pm - Directors' Meeting.
May 19th-20th - Hamvention, Xenia,
Ohio.

With no other business at 9:07pm, **John Barnes, KS4GL**, moved, and **James Schlessler, WA9MED**, seconded, that the meeting be adjourned, which was approved unanimously.

Looking Back. . . From HAMnews. . . May 1987, page 6

UPCOMING PUBLIC SERVICE ACTIVITIES

The 1987 Three-Day Event will be held May 29, 30 and 31. The organizing committee for the event has requested help for Saturday, May 30. Sam Humphries, WA4KKV, will be needing at least 50 operators to provide emergency communications.

Sam will be notifying each volunteer of a meeting that he will hold, featuring the infamous "Nigel," during which he will make assignments and give details about each assignment, where to meet, what time to meet, etc. Nigel will give details as to what report he wants and will give the schedule for the events, times, number of riders/horses, and any other details he feels are necessary.

Contact Sam at 259-9873 or put your name on the sign-up sheet that will be circulated during the May Club meeting. Sam needs your help even if you can only work half of the day, morning or afternoon.

The 1987 Children's Charity Golf Classic will be held Saturday, June 20, 1987, at the Greenbriar Golf and Country Club, off Winchester Pike east of Lexington. Operators will meet at the Club House at about 10:30 in the morning and will receive their green assignments and instructions then. The event will probably be over at about 5:00 p.m. It is recommended that you bring a sack lunch. Refreshments will be furnished to you by the "Roving Golf Cart." Many Hollywood, TV, and sports celebrities will be playing.

Further announcements will be made during the May and June Club meeting and a sign-up sheet will be circulated. Skip Strippelhoff, W4WYX, will need about 30 communicators for this activity.

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.

Commercial ads can be arranged, contact the editor.

All copy must be in the hands of the editor by the end of the Board of Directors' meeting on the third Monday of each month. All articles submitted must be accompanied by the author(s) name(s) and contact information.

Articles published in QUA/HAMnews do not necessarily represent the views of the Officers, Board of Directors, editor, or Society membership, nor does publication thereof represent concurrence by the Officers, Board of Directors, editor, or Society membership of the contents of the article. No article will be published unless it is accompanied by the name(s) of the person(s) submitting the material.

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Contest Need Chair
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Emergency Preparedness (Liaison Bluegrass ARS with LFUCGDEM)
..... David Richardson/W9KHZ (859) 983/1380 (daveinlex3@gmail.com)
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Newsletter Bill DeVore/N4DIT (859) 273-8345 (billdit@twc.com)
Program James Schlessler/WA9MED (757) 478-2186 (wa9med@jshlessler.com)
Public Relations and Membership Need Chair
Repeater Andrew Cook/KF4OWP (859-396-9930) (kf4owp@gmail.com)
Shack Joseph "Smokey" Wallace/KE6IVK (859) 402-8208 (ke6ivk@arrl.net)
Volunteer Examinations Fernie Williams/KE4MAI (859-652-3393) (ke4mai@arrl.net)

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Historian Bill DeVore/N4DIT (859) 273-8345 (billdit@twc.com)
KY-QRP Group Chris Gay/KU4A (859) 299-9393 (KU4A@juno.com)
Library John Barnes/KS4GL (859) 253-1178 (jrbarnes@iglou.com)
Shack Trustee Andrew Cook/KF4OWP (kf4owp@gmail.com)
VHF Repeater Trustee Andrew Cook/KF4OWP (kf4owp@gmail.com)
HF Liaison to Shack Committee David Richardson/W9KHZ
VHF Liaison to Shack Committee Tim Kunkle/KF4MPM

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David Richardson/W9KHZ
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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)

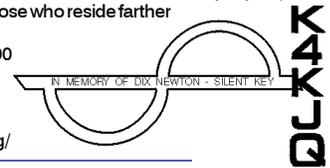
Full-Time Student Membership – \$12.00

(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 May 2017



- Mon 1 KY-QRP Group Meeting,** 7:00 PM, Meeting Room "B", Red Cross Building, 1450 Newtown Pike, Lexington
- Mon 1 Bluegrass ARS Monthly Meeting,** 7:30 PM, Meeting Room "B", Red Cross Building, 1450 Newtown Pike, Lexington
- Mon 1 Madison Cty ARES net, 7:00 PM, 146.865(-) PL 192.8; Kentucky Emergency net, 7:30 PM, 3.972.5 MHz LSB; KYy Digi net, 8:30 PM, 3.587 MHz, PSK31
- Tue 2 NE4ST SCARES Net, 7:00 PM, 146.685(-) PL 141.3; Traders Net 8:00 PM, 145.37(-) PL192.8; Amateur Swap Net 145.370 (T-192.8) 8:00 PM; "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz
- Wed 3 Six Shooters Net, 9:00 PM, 52.525 MHz FM, Crossbanded on 145.430(-) PL 203.5; Fayette Cty ARES Net, 9:00 PM (2100hrs), 147.120(-) T-141.3
- Thu 4 Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Center, basement of the Red Cross Building, 1450 Newtown Pike, Lexington
- Thu 4 Jaws Ragchew, 7:30 PM, 145.490(-) no PL; Woodford Cty ARES Net, 8:00 PM, 145.330(-) PL 107.2; Pioneer Amateur Radio Net, 8:45 PM, 145.430(-) PL 203.5.
- Sat 6 Shack open 9:00-Noon; Radio Theory and Construction Workshop, 1:00-3:00 PM, Edu Ctr, Basement of the Red Cross Building, 1450 Newtown Pike
- Sun 7 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater), Greg, W8FJK net control.
- Mon 8 JAWS monthly meeting, 7:00 PM, St. Joseph/R.J. Corman Ambulatory Care Center, 1250 Keene Road, Nicholasville; Madison Cty ARES net, 7:00 PM, 146.865 (-) PL 192.8; Kentucky Emergency net, 7:30 PM, 3.972.5 MHz LSB; KYy Digi net, 8:30 PM, 3.587 MHz, PSK31
- Tue 9 NE4ST SCARES Net, 7:00 PM, 146.685(-) PL 141.3; Traders Net 8:00 PM, 145.37(-) PL192.8; Amateur Swap Net 145.370 (T-192.8) 8:00 PM; "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz
- Wed 10 Six Shooters Net, 9:00 PM, 52.525 MHz FM, Crossbanded on 145.430(-) PL 203.5; Fayette Cty ARES Net, 9:00 PM (2100hrs), 147.120(-) T-141.3
- Thu 11 Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Center, basement of the Red Cross Building, 1450 Newtown Pike, Lexington
- Thu 11 Jaws Ragchew, 7:30 PM, 145.490(-) no PL; Woodford Cty ARES Net, 8:00 PM, 145.330(-) PL 107.2; Pioneer Amateur Radio Net, 8:45 PM, 145.430(-) PL 203.5.
- Sat 13 Shack open 9:00-Noon; Radio Theory and Construction Workshop, 1:00-3:00 PM, Edu Ctr, Basement of the Red Cross Building, 1450 Newtown Pike
- Sat 13 Joint Bluegrass ARS/JAWS Kids Field Day, 11:00 AM til 3:00 PM, Jacobson Park Shelter #4**
- Sun 14 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater), Greg, W8FJK net control.
- Mon 15 Bluegrass ARS Board of Directors' Meeting,** 7:30 PM, Education Center, Basement of the Red Cross Bldg, 1450 Newtown Pike, Lexington
- Tue 16 NE4ST SCARES Net, 7:00 PM, 146.685(-) PL 141.3; Traders Net 8:00 PM, 145.37(-) PL192.8; Amateur Swap Net 145.370 (T-192.8) 8:00 PM; "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz
- Wed 17 Six Shooters Net, 9:00 PM, 52.525 MHz FM, Crossbanded on 145.430(-) PL 203.5; Fayette Cty ARES Net, 9:00 PM (2100hrs), 147.120(-) T-141.3
- Thu 18 Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Center, basement of the Red Cross Building, 1450 Newtown Pike, Lexington
- Thu 18 Jaws Ragchew, 7:30 PM, 145.490(-) no PL; Woodford Cty ARES Net, 8:00 PM, 145.330(-) PL 107.2; Pioneer Amateur Radio Net, 8:45 PM, 145.430(-) PL 203.5.
- Sat 20 Shack open 9:00-Noon; Radio Theory and Construction Workshop, 1:00-3:00 PM, Edu Ctr, Basement of the Red Cross Building, 1450 Newtown Pike
- Sun 21 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater), Greg, W8FJK net control.
- Tue 23 NE4ST SCARES Net, 7:00 PM, 146.685(-) PL 141.3; Traders Net 8:00 PM, 145.37(-) PL192.8; Amateur Swap Net 145.370 (T-192.8) 8:00 PM; "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz
- Wed 24 Six Shooters Net, 9:00 PM, 52.525 MHz FM, Crossbanded on 145.430(-) PL 203.5; Fayette Cty ARES Net, 9:00 PM (2100hrs), 147.120(-) T-141.3
- Thu 25 Meeting of Bluegrass ARS Technical Group, 6:30 PM, Education Center, basement of the Red Cross Building, 1450 Newtown Pike, Lexington
- Thu 25 Jaws Ragchew, 7:30 PM, 145.490(-) no PL; Woodford Cty ARES Net, 8:00 PM, 145.330(-) PL 107.2; Pioneer Amateur Radio Net, 8:45 PM, 145.430(-) PL 203.5.
- Sat 27 Shack open 9:00-Noon; Radio Theory and Construction Workshop, 1:00-3:00 PM, Edu Ctr, Basement of the Red Cross Building, 1450 Newtown Pike
- Sun 28 Amateur Television & Specialized Communications Net, 9:00 PM (146.760 Repeater), Greg, W8FJK net control.
- Tue 30 NE4ST SCARES Net, 7:00 PM, 146.685(-) PL 141.3; Traders Net 8:00 PM, 145.37(-) PL192.8; Amateur Swap Net 145.370 (T-192.8) 8:00 PM; "Casual Communicators Net," 9:00 PM Eastern, 443.325+ MHz
- Wed 31 Six Shooters Net, 9:00 PM, 52.525 MHz FM, Crossbanded on 145.430(-) PL 203.5; Fayette Cty ARES Net, 9:00 PM (2100hrs), 147.120(-) T-141.3