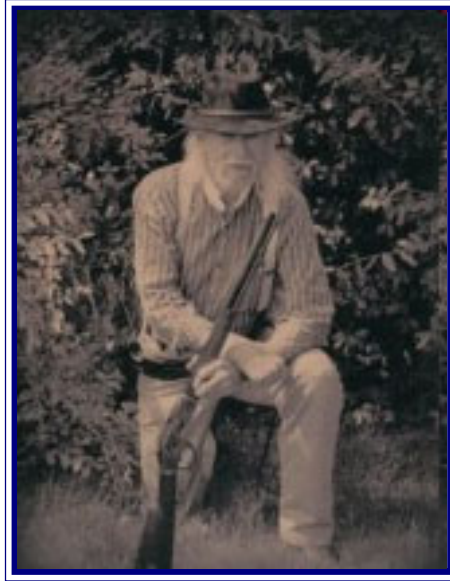


# In Memorium

## Paul Wade Mitchell, N4DUE



MITCHELL, Paul Wade, 79, of Lexington, Kentucky, passed away Friday, September 15, 2017 at St. Joseph Hospital in Lexington. Paul was born on October 27, 1937 in Lexington. He was the son of the late Arlie H. and Clarine Mitchell. He is survived by his brother, Kenneth (Linda) Mitchell, Naples, Florida; sister Fay Mitchell Stinnett, Lexington; daughter Sandra D. Mitchell (Myles) Lane, Columbia, Tennessee; three grandchildren, Jennifer A. Lane, Madison, Tennessee, Myles E. (Lesley) Lane III, Indianapolis, Indiana, and Dennis W. Lane, Columbia, Tennessee; as well as a great-granddaughter, Chloe Irene Denise Lane, Indianapolis, Indiana.

Paul served in the Navy for four years as a radio operator on the USS Damato DD-871. After leaving the service he worked for the Fayette County Police Department and later joined the Lexington Fire Department until he retired as a Captain. Paul subsequently worked as an engineer at the WVLK radio station. Following his retirement from the Fire Department he joined the Fayette County Sheriff Department and retired there as a Sergeant. Paul had his pilot's license and enjoyed flying planes whenever possible. Paul was actively involved in Ham Radio (N4DUE), A.R.E.S (Amateur Radio Emergency Service), and R.A.C.E.S. (Radio Amateur Civil Emergency Service). He also continued to take the responsibility for the maintenance of the Lexington Fire Department's radio equipment for many years after leaving. During his later days Paul enjoyed shooting and was an Active Bull's Eye Shooter at Bud's Gun Shop and Range. Paul will be missed at his Tuesday night shoots and at his "Lead Slingers" regular Wednesday morning outings.



## In Memorium Peter French "Petie" Clough WD4GPO

Peter French "Petie" Clough, 64, retired dispatcher for Paris-Bourbon County Emergency Services died Monday, September 4, 2017 at his home. He was born June 6, 1953 in Paris, son of the late Pershing Wilson "Pete" and Sarah Moore Clough. Petie was a graduate of Paris High School, attended Eastern Kentucky University, member of

Fraternal Order of Police, life member of the National Rifle Association, member of Central Baptist Church, and was an avid ham radio operator and member of amateur radio clubs in Winchester and Lexington. He is survived by a brother, James L. Clough; a sister, Susan C. Eades; uncle, Earl Clough; two nieces, Susie Johnson, and Sarah Vickers; nephew, Wade Eades; and several great nieces, great nephews, and cousins.



Pray for our  
Troops



God Bless America!

QUA

# /HAMnews

October  
2017

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Club Station K4KJQ

MARS Station AAV4CAB



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Memorial BBS  
145.010 and 145.090

Web Page: <http://www.bluegrassars.org>  
E-mail: [k4kjq@bluegrassars.org](mailto: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](mailto: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](mailto:bars@lsv.uky.edu)>.

### -- THE PROGRAM FOR THE OCTOBER MEETING . . .

. . . will be "Conversion of Commercial AM Transmitters to Amateur Radio Use." See below.

### Call for Candidates

### -- FOR ALL OFFICER POSITIONS --

See details below.

### -- LEAGUE MEMBERS --

I am curious if you or your club membership knows the following

ARRL Members: Michael T Johnson, KB4M 115 Aubrey Dr  
Nicholasville, KY 40356-1177, Roger D Ingram, KD4GOV 148  
Center Dr Winchester, KY 40391-9107, Rodger Carter 312  
Manchester Ln Brodhead, KY 40409-8212, Randall J Blackburn  
1808 Marietta Dr # B Lexington, KY 40505-2337, Arthur D

D'entremont, KG5LWU 3533 Forest Cove Ln Lexington, KY 40515-6400, Randy S Grubbs, KM4KPY PO Box 763 Lexington, KY 40588-0763. These members have let their League membership lapse. I am trying to get a pulse as to their thoughts on the League and what may be their main reason for letting their membership lapse. Don't know if they have any affiliation with the BARS club or not. These are for September. I have others for other months. Steve Morgan/W4NHO, ARRL SM Kentucky.



"I know in my heart that man is good, that what is right will always eventually triumph, and there is purpose and worth to each and every life."

~ Ronald Reagan

QUA/HAMnews

October 2017

## Meeting Notice

**Bill DeVore/N4DIT,**

Chair, Newsletter Committee

Bluegrass ARS, Lexington, Kentucky

The regular meeting of the Bluegrass Amateur Radio Society, Inc., will be held October 2, 2017, 7:30 PM, meeting room "B" in the Red Cross Building, 1450 Newtown Pike, Lexington, Kentucky. The program for the October meeting will be presented by **Doug Ponder/K4PVN**, Berea, Kentucky. Subject of the meeting will be a discussion of "Conversion of Commercial AM Transmitters to Amateur Radio Use."

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 meeting, someone present will probably have an answer for you.

If you have a program you would like to hear or a topic you would like to present, contact **James Schlessler/WA9MED**, during a Club meeting, or contact him at (757) 478-2186, or e-mail to <[wa9med@jschlessler.com](mailto:wa9med@jschlessler.com)>. ♦

## 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, October 16, 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@jschlessler.com](mailto:wa9med@jschlessler.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@arri.net](mailto:ke6ivk@arri.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. ♦

### Call for Candidates. . .

## Officers for 2018 by Bluegrass ARS

It is time to be thinking about who will be officers of the Bluegrass ARS in 2018. Members in good standing are encouraged to step forward and place your name into consideration for one of the Club's offices for the coming year. Our present president, **Smokey Wallace/KE6IVK**, will be naming the Nominating Committee during the October club meeting and the committee's responsibility will be to call members and encourage them (YOU) to place your names on the 2018 ballot.

This year, as in past years, all offices have been served well by the present members, but we would like to have two or more candidates for each office.

Please consider taking your turn as an officer or serving on the nominating committee. This can be done by attending the October Club meeting or calling Smokey at 859-402-8208. ♦

## TechSoup and Computers Participation Approved

**Joe M**  
Account Management Specialist  
Client Services  
TechSoup  
<<http://www.techsoup.org/>>

Thank you for submitting valid qualification documents.

Congratulations! We were able to qualify your organization. Your organization may begin placing requests for donated or discounted products or services at TechSoup. (This does not apply to personal requests, check with our Club officers to get information about how our Club can submit requests.)

If you need more help, read the FAQ on Support at <<http://www.techsoup.org/Support>> page, or find answers to your questions in our forums <<http://forums.techsoup.org/cs/community/f/>>.

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## September Club Meeting

### The Club's Annual Family Picnic

We had good weather even though chilly (and the attendance of an uninvited guest. . . Irma), about 35-plus people enjoyed fried chicken and fixins, hot dogs, brats, and burgers, plus many wonderful covered dishes containing casseroles, salads, deserts – great deserts, great conversation – perfect ingredients for an enjoyable evening.

Loretta started her grill, and Roger and I started the charcoal, at about 5:15 PM to make sure the coals were hot, to get the dogs, brats, and burgers going so people arriving at 6:00 PM could waste no time in filling their plates. Folks started arriving soon after. **Roger/KJ4YSY** and **Loretta Colvin** help with the cooking; **Mary Bennett**, and **Paula DeVore/N4NRR** placed the food, drinks, utensils, etc., on the buffet-style main tables. Then more people started arriving, along with their families and covered dishes . . . and the feasting began. Pictures and narrative continue on Page 4.

At about 7:00 PM First Vice President **Bill Fuqua/WA4LAV** called for the start of a short general meeting. First on his agenda was recognition of the recipient of the Club's annual Ernie Farmer Memorial Award by reading the nominating letter and presenting an engraved plaque to the recipient – **Chris Gay/KU4A**.

Those of you who didn't come to the picnic really missed a treat and some great conversation. ♦

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## 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](mailto:wa9med@jschlessler.com)>.

Month	Topic	Presenter(s)	Comments
✓ January	Open		
✓ February	"BOB"	<b>David Richardson/W9KHZ</b>	Personal Emergency Preparedness
✓ March	Severe Weather Identification and Reporting	tentatively by <b>Joe Sullivan/KC7ITG</b>	of the NWS, Louisville
✓ April		<b>Stephen Bishop</b> and <b>Tim Brandewie</b>	Lexington/Fayette Emergency Management
✓ May	Chemical Weapons Removal – Bluegrass Ordinance Depot, Madison County, Kentucky.		
✓ June	"Field Day"	<b>Smokey Wallace/KE6IVK</b>	Site location, preparation, operating stations, etc.
✓ July	"Weatherproofing Cables, Coax, and Assemblies"	<b>James Schlessler/WA9MED</b>	
✓ August	Hamfest	<b>Dave Richardson/W9KHZ</b> and <b>Fest Committee</b>	Location, preparation, tickets, tables, work crews, etc.
✓ September	Annual Family Picnic	<b>Fun, Food, Conversation</b>	Picnic Shelter #2, Shillito Park, Lexington
October	Conversion of Commercial AM Transmitters to Amateur Radio Use	<b>Doug Ponder/K4PVN</b>	Berea, Kentucky
November	Open		
December	Annual Auction	<b>J.B. Young</b>	will serve as auctioneer to see if he can get you some cash – Bring your items



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TechSoup also fosters opportunities for people to work together toward a more equitable world. Meet in person at a local NetSquared meetup. Connect with library staff across the U.S. at TechSoup for Libraries. Learn from TechSoup's community through social media.

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If you are interested in collaborating with us in other ways, please visit *TechSoup Global's Contribute* page.

And if you would like to link your website to TechSoup, please contact us. ♦

## Ham Radio Is Not Dead Yet

By **Danielle Roof**  
Submitted by  
**John Barnes/KS4GL**,  
Member, Bluegrass ARS  
Lexington, Kentucky

Meet Joel Wilhite, or KD6W as he's known in the American Radio Relay

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.

League. Yes, Joel is a competitive ham radio enthusiast.

Joel admits to using a "store bought" shortwave radio back in the early 80s when he first started this hobby, but his focus ever since has been one of innovation. It started with a few "upgrades," but increasingly Joel has focused on designing his competitive ham radios from the ground up. From tubes to transistors, this is clearly not your father's ham radio.

The American Radio Relay League dates back to 1914 when an inventor, **Hiram Percy Maxim**, best known for his firearm silencer, was anything but silent about his ham radio hobby. Frustrated by the inability to communicate directly with other hams, he had the idea of creating a relay system to extend the range of radio communication.

Fast forward to modern times and Joel designs and redesigns his radios as one of the top competitors the ARRL's 10 GHz and Up contest which they hold twice a year. A 10 year veteran of the competition his best result is a second place finish.

The object of the 10 GHz & Up contest (<http://www.arrl.org/10-ghz-up>) is to communicate with as many other radio broadcasters from as many different locations as possible. Joel's modifications including "locking in the oscillator so that two devices trying to communicate do not drift into a different frequency. He used a Jameco DC to DC converter to accomplish this crucial task, as well as other existing parts. In order to lock the oscillators, he uses phase lock loops. During the contest, the competitors try to get to a broadcast location, get on the air as fast as possible, communicate with others, and repeat this in as many locations as possible. Since the contest requires almost constant movement, a crucial part of the design process is ensuring that the operator has the ability to break down and reassemble the device. This requires a certain amount of durability and flexibility in the design.

He will often use a pre-made module but fires up his CAD software for the design process evaluating fit and function. This ownership of the design is both practical

and a source of pride for Joel – he enjoys the knowledge that he is the greatest expert when it comes to his own devices.

According to Joel, the innovations in this industry continue to come, and he's regularly researching what capabilities he might be able to incorporate into his designs. He always asks himself, "*Can I make this in a way that is better, faster, or cheaper?*"

Joel's day job in television is nothing like his weekends as KD6W, ARRL competitor. He has been pursuing his radio hobby as much as possible since he first got licensed in 1982 and is a part of a very active hobbyist community. They collaborate on a wide variety of projects and share articles, new ideas, and more. While he's a competitor, it's clear that collaboration can be just as much fun.

Together, Joel and his fellow radio enthusiasts work to continue learning, developing, and practicing their skills. According to Joel, "*getting a license is easy*" – the fun truly starts when people are able to access their own creativity and think of new, innovative projects. While many of us may think of amateur radio as a thing of the past, Joel assures me that it is "not the old tube ham radio stuff anymore." The field, like so many others, continues to evolve and grow with the advancement of technology and our access to it.

To learn more about the ARRL, visit <http://www.arrl.org/> and to contact Joel directly email [kd6w@arrl.net](mailto:kd6w@arrl.net). ♦

## Dale's Tales for September

**Dale Williams/WA8EFK**  
Director

ARRL Great Lakes Division  
[wa8efk@arrl.org](mailto:wa8efk@arrl.org)

Greetings everyone, welcome to "Dale's Tales" for September 2017.

With the nominations now closed for the Great Lakes Division Awards, the Committee is reviewing the applications. Thanks to so many for offering nominations for these awards. Without doubt, the committee will have its job cut out for it as the selections are made from so many well-qualified individuals in Kentucky, Ohio and Michigan. The following Division awards are under consideration: George S. Wilson III W4OYI Lifetime Achievement Award; Technical Achievement Award; DX Achievement Award; Young Radio Amateur of the Year Award; and the Joseph J. Phillips, K8QOE, Newsletter Award. The award presenta-



David Mahlbacher/KG4JDY (second from Left standing), put up a wire antenna to work QRP with the help of, standing from left, Roger Colvin/KJ4YSY, David, Chris Gay/KU4A, and Bob Brown/KI4JWK.

## Picnic '17

A short break from eating was taken and first vice president Bill Fuqua/WA4LAV presented the 2017 Ernie Farmer Memorial Award to Club member Chris Gay/KU4A and conducted a short business meeting. The tables may appear clean and empty in these pictures, but in no time that changed as people filled plates with another helping of food, especially deserts.



tions will be made at the Great Lakes Division Convention Banquet in conjunction with Great Lakes HamCon at Michigan International Speedway in Brooklyn, MI on October 7 and 8.

We are pleased that our selection of Forums will bring some top-notch events to the Convention.

### On Saturday, October 7

Opening Ribbon Cutting and Kickoff Session and ARRL Forum Dan Romanchik KB6NU will present his Tech-in-a-Day License Class.

The Ford Amateur Radio League will conduct FCC exams following the class.

Marsha Fleming N8FE will host the gathering of the Young Ladies Radio League, the YLRL.

South East Michigan DX Assn will host the DX Forum – Al K8SIX and Stan AC8W will moderate.

The Ohio Section will host our Clubs Forum – Tom WB8LCD will be the moderator.

The Mad River RC will host the Contesting Forum – Dave K8CC will moderate.

Carl Leutzelschwab K9LA will conduct the forum on Radio Propagation.

Joe Eisenburg K0NEB will host the forum Kit Building Techniques for Success.

Tom Bosscher K8TB will conduct a forum on Fox Hunting, followed by an actual hunt on the MIS track infield.

The Michigan QRP Club will host a forum on Operating QRP – Pete W8KS will moderate.

Carole Perry WB2MGP will lead our 2017 Youth Forum.

Yaesu will present a forum on their Fusion digital products -- hosted by John Kruk N9UPC.

In addition to all of these activities, Saturday's events will be followed by the ARRL Banquet featuring ARRL President Rick Roderick K5UR as the featured speaker. He will present the Divisions Awards and the banquet will be followed by an initiation for new members of the Royal Order of the Wouff Hong.

### Sunday's Activities, October 8

The Toledo Mobile RA will host a forum on operating from Museum Ships – Glenn

W8MUK will moderate.

Dan KB6NU will host the Forum on Operating CW.

ARES Forum hosted by the Division SECs.

NTS Forum hosted by the STMs.

### Grand Prize Awards

The HamCon team really feels that a great cross-section of amateur radio activities is represented with this selection of forums and events. The emphasis has been focused on learning activities, each session offering an insight to a particular facet of ham radio, ranging from sessions for new YLs, the latest in youth activities, plus information for both the new comer and the seasoned veteran. You can stay up-to-date with the planned activities at: <glhamcon.org>.

### TOM'S COMMENTS

Comments from our Vice Director Tom Delaney W8WTD

We're all very aware of disasters this month as we watch the still-unfolding events in Texas. It was interesting to check into a net last week and be asked "how well



## 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, 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 Amateur Radio Club  
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, <b>October 14</b> , 2017	10:00 AM	W5YI Winchester
Saturday, <b>October 28</b> , 2017	10:00 AM	ARRL Danville
Thursday, <b>November 2</b> , 2017	06:30 PM	ARRL Georgetown
Saturday, <b>November 11</b> , 2017	10:00 AM	ARRL Lexington
Saturday, <b>December 9</b> , 2017	10:00 AM	ARRL Georgetown
Tuesday, <b>December 12</b> , 2017	07:00 PM	WCARS Lexington

**Andy Rooney** wrote that . . .

“. . . "The 50-50-90 rule: Anytime you have a 50-50 chance of getting something right, there's a 90% probability you'll get it wrong."

prepared are you to shelter in place for several days?" The responses varied. Some sounded quite ready, others not so much. Those who didn't have enough preparation reluctantly agreed that perhaps they needed to do some more. If you're one of those people, resources are available to help, such as <www.ready.gov>.

As a long-time Red Cross volunteer who has worked on disaster relief in a number of situations, and been in on even more planning exercises, I see the question for hams as having two parts. First, of course, is keeping yourself and your family safe. Some of that is just having the necessary items to either shelter in place or to evacuate to a place of safety when necessary. And many of us have stand-by power for our radios, so we can communicate from home either for our own needs or for those around us.

The second part is what a lot of dedicated ARES volunteers do -- be prepared to help others, whether in your local community or someplace farther away. And for that, you need the various go-kits that we all put together. I was thinking about how my own "go-kit" has evolved over the years. I finally took out the phone wires and telephone that have been in there a long time. And the roll of quarters for that pay phone that may have still been operational on a corner somewhere. Don't laugh. At one point, those were important. So now we have new tools, but we need to keep up with the times. An annual review of what is in there is probably very useful for each of us to stay ready.

## Results of the License Examination Session Held September 9, 2017

**Ron Malinowski/WX4GPS,**  
Liaison, ARRL VEC, Member  
Bluegrass ARS, and

Emergency Coordinator Scott County, Kentucky

An Amateur Radio license examination session was held at the Georgetown Police Department at 10:00 AM on Saturday, September 9, 2017. We had five candidates, all having no prior license. Four of the five passed the Technician Class element, and one passed the subsequent General Class license examination.

Thank you to the following Volunteer Examiners who helped at my session: **Doyle Mills/WD4HXE**, **Tom Mulvaney/KR4BD** and **Richard Mehs/AE4EH**.

Congratulations to those who earned a new or upgraded license.

### SUMMARY

Element	Elements		Percent Passed
	Given	Passed	
2 (Tech written)	5	4	80
3 (General written)	1	1	100
4 (Extra written)	0	0	00
<b>Totals</b>	<b>6</b>	<b>5</b>	<b>83</b>

### Licenses (New)/Upgraded:

Technician	(4)
General	1
Extra	0



Maybe at your next club meeting everyone could do a "show and tell" of go kits. We always inspire each other to think about that one item we've overlooked.

Ham radio has always had a component of public service. We each need to do our part to be ready when the time comes.

73, Tom W8WTD Vice Director,  
Great Lakes Division

### Hamfesting

Here is the current Great Lakes Division ARRL Sanctioned Hamfest Schedule [for those hamfests within driving distance of central Kentucky] covering the remainder of the year. These swaps have received their sanctioning approval from ARRL HQ at the time of this publication. We have approximately 65 ARRL hamfests each year in the Division. I do encourage each Hamfest Chair to register early for ARRL Sanctioning. Be sure to invite your ARRL Officials as soon as your date is set.

Oct 7 Cave Run Hamfest, Morehead, KY

Oct 7 Vette City, Bowling Green, KY

Oct 28 Hazard Hamfest, Hazard, KY

Nov 4 Grant ARC Hamfest, Georgetown, OH

Be sure to check your Section's news pages for the latest local happenings, club, and net information.

73, Let's be radio-active.

### Online Technician Class Amateur Radio Course

**Tobias J. Park/KD2EOM**

<tobiasjpark73@gmail.com>

via Internet

I am trying to get word out about an

*"Nothing great is ever accomplished without enthusiasm."*

~ **Ralph Waldo Emerson**

online ham radio licensing course that I have put together. It is aimed primarily at young hams, such as high school students (although adults may take the course as well), with the aim of helping them earn their Technician class license! Taught by a high school senior who holds an Extra Class license and comprised of 35 video lectures, this course is based off the Gordon West licensing manual and consists of video lectures, quizzes, and simulated practice exams.

The course is also self-paced, meaning that students can take as long as they want to complete it. You can work the course around your own schedule. (You just need to finish before July next year, when the question pool expires).

Being that this course is primarily geared as a semester-long online class students take for high school credit, it is more rigorous than most other ham radio licensing courses and costs \$95. Content includes 35 individual video lectures explaining ALL of the test material (each video about 15 minutes), as well as 8 full-length practice tests, a graded final exam, and roughly 20 quizzes.

Please share this email with all of your non-ham friends (young non-ham friends, home-schooled students, Boy Scouts, adults, etc.) and encourage them to get licensed!

More information: <<https://sites.google.com/view/kd2eom/licensing-course-online/learn>>. ♦

### FCC PRS Revisions Will Affect GMRS, FRS, CB, Other Part 95 Devices

ARRL Web Page

<<http://www.arrl.org/news/fcc-personal-radio-service-revisions-will-affect-gmrs-frs-cb-other-part-95-devices>>

April 28, 2017

In a lengthy Report and Order (R&O) in a proceeding (WT Docket No. 10-119) dating back 7 years, the FCC has announced rule changes affecting the General Mobile Radio Service (GMRS), the Family Radio Service (FRS), the Citizens Band Radio Service (CBRS or "CB"), as well as other applications that fall under the FCC's Part 95 Personal Radio Services (PRS) rules and regulations. Part 95 devices typically are low-power units that communicate on shared spectrum and, with some exceptions, do not require an individual user license from the FCC. As the R&O explains, common examples of PRS devices include "walkie-talkies;" radio-control cars, boats, and planes; hearing assistance devices; CB radios; medical implant devices; and Personal Locator Beacons.

"This draft Report and Order completes a thorough review of the PRS rules in order to modernize them, remove outdated requirements, and reorganize them to make it easier to find information," the FCC said in a summary attached to the R&O. "As a result of this effort, the rules will become consistent, clear, and concise."

GMRS and FRS devices are used for personal communication over several miles; compact FRS handhelds, often sold in pairs, are widely available. While GMRS and FRS share spectrum, GMRS provides for greater communications range and requires an FCC license; FRS does not.

"The rules will increase the number of communications channels for both GMRS and FRS, expand digital capabilities to

### Results of the License Examination Session Held September 19, 2017

**Margueritte Williams/KE4MAJ**,  
Liaison, WCARS VEC, and Member  
Bluegrass ARS, Lexington, Kentucky

Many thanks to the VE team:

**Fernie Williams/KE4MAI, Doyle Mills/WD4HXE, Darrell Epperson/AC4YD, Odis Carroll/W4IOD, Ron Malinowski/WX4GPS and Bill De Vore/N4DIT.**

We had a very successful session!

Element 2: 2 attempted, 2 passed

Element 3: 1 attempted, 1 passed

Element 4: 0 attempted

Congratulations to those who earned a new or upgraded license. Note, the upgrade was of the new Technician Class license the candidate had just passed. The test results have been posted to the FCC – listen for these folks on the air and congratulate them on their successful efforts.

#### SUMMARY

Element	Elements		Percent Passed
	Given	Passed	
2 (Tech written)	2	2	100
3 (General written)	1	1	100
4 (Extra written)	0	0	00
<b>Totals</b>	<b>3</b>	<b>3</b>	<b>100</b>

#### Licenses (New)/Upgraded:

Technician	(2)
General	1
Extra	0

GMRS (currently allowed for FRS), and increase the power/range for certain FRS channels to meet consumer demands for longer range communications (while maintaining higher power capabilities for licensed GMRS)," the FCC explained.

The amended rules eventually will eliminate combination FRS/GMRS radios for the most part, but allow up to two Watts PEP output for FRS transceivers. "[M]any current users of GMRS/FRS combination radios do not obtain licenses to operate over the GMRS frequencies in those radios," the FCC said. "Much of this problem likely arises as a result of the mass consumer marketing of combination devices for sale to the public in large quantities to users who do not know about or do not understand the licensing requirements attached to such radios and obligations associated with operating in the GMRS."

The FCC said it no longer will certify FRS devices that incorporate GMRS capabilities or capabilities of other services. Existing GMRS/FRS combination radios that operate at power levels of less than 2 W ERP will be reclassified as FRS devices; existing GMRS/FRS radios that operate above that power level will be reclassified

*"A truly Happy Person is one who can enjoy the scenery on a detour."*

as GMRS devices, requiring an individual license. Radios that can transmit on GMRS repeater input channels will continue to be licensed individually and not by rule.

"We believe the two-Watt limit for FRS is appropriate, because many of the existing combination GMRS/FRS radios already operate under that level with no significant complaints about interference or other problems, and it provides a reasonable balance between the desire for increased range over the prior FRS power levels and battery life," the FCC said.

The FCC said changes to the decades-old Citizens Band (CB) rules will remove outdated requirements, including certain labeling requirements. DXing on Citizens Band will become legal too. Once the new rules are effective, CBers will be allowed to contact stations outside of the FCC-imposed – but widely disregarded – 155.3-mile distance limit. The revised CB rules further clarify how hands-free devices can be used with CB radios and will allow the use of wireless micro-

phones with CB radios. "We find the record persuasive regarding the consumer demand for this feature, and it will promote safety on the highways by reducing driver distraction for those using CB [radios]," the FCC said. The FCC left in place the current power limits for the CB Radio Service.

The rule changes will phase out the use of voice-scrambling or "obscuring" features in all Part 95 devices, and it will ultimately prohibit manufacture, importation, or sale of any devices incorporating such features, "regardless of whether the Commission has previously certified that radio."

Overall, the FCC said, its action "achieves a thorough review of Part 95 rules and creates a new rule structure where common administrative rules are consolidated to reduce duplication, and individual subparts are structured with a common numbering scheme." The FCC said the changes remove "outdated and unnecessary rules, while clarifying others."

Implementation of the rules will take effect 30 days after the new order is published, which took place on August 29, 2017, but some of the equipment changes required by the new rules won't take place for 90 days to 24 months. ♦



## It's the Rule

### FCC Opens 630- and 2200-Meter Bands; Stations Must Notify UTC Before Operating

ARRL Bulletin 18.ARLB018  
ARRL Headquarters  
Newington CT  
September 15, 2017

The FCC has announced that the Office of Management and Budget has approved, for three years, the information-collection requirement of the Commission's March 29 Report and Order (R&O) that spelled out Amateur Radio service rules for the two new bands - 630 meters and 2200 meters. The R&O in PDF format can be found at, <[https://apps.fcc.gov/edocs\\_public/attachmatch/FCC-17-33A1.pdf](https://apps.fcc.gov/edocs_public/attachmatch/FCC-17-33A1.pdf)> .

Notice of the action appears in today's edition of the **Federal Register**. Before using either band, stations must notify the Utilities Technology Council (UTC), formerly the Utilities Telecom Council, that they plan to do so, and if UTC does not respond within 30 days, they may commence operation.

The website to notify the UTC is,

<<https://utc.org/plc-database-amateur-notification-process/>>.

Last March 27, the FCC adopted the 2012 World Radiocommunication Conference (WRC-12) implementation Report and Order (ET Docket 15-99), amending its Amateur Radio rules to - in the FCC's words - "provide for frequency-sharing requirements in the 135.7-137.8 kHz (2200-meter) and 472-479 kHz (630-meter) bands."

Section 97.313(g)(2) of those rules requires that, prior to starting operation in either band, radio amateurs must notify UTC that they intend operate by submitting their call signs, intended band(s) of operation, and the coordinates of their antenna's fixed location. The new rules do not permit any mobile operation.

"Amateur stations will be permitted to

commence operations after a 30-day period, unless UTC notifies the station that its fixed location is located within 1 kilometer of Power Line Carrier (PLC) systems operating on the same or overlapping frequencies," the FCC said. PLC systems are unlicensed. "This notification process will ensure that amateur stations seeking to operate [on 630 or 2200 meters] are located beyond a minimum separation distance from PLC transmission lines, which will help ensure the compatibility and co-existence of amateur and PLC operations, and promote shared use of the bands."

The FCC announced that it is making effective immediately the Part 97 rule amendments, Part 97.3, 97.15(c), 97.301(b) through (d), 97.303(g), 97.305(c), and 97.313(k) and (l), which do not require OMB approval.

## Where's the Rare DX?

"OPDX Bulletin 1332"

September 25, 2017

<<http://www.papays.com/opdx1332.html>>

**AFGHANISTAN (T6)** – Salvatore/I21BWB is now signing T6/I21CCK from Herat til Dec mainly on 20m using CW and SSB. QSL via I21BWB, direct or by the Buro.

**ALGERIA (7Y9)** – (LH Op) Members of Radio Club Djelfa (7X2VFK), in cooperation with Algerian RAU will sign 7Y9C from the Phare de Colombi Lighthouse Oct 25-29 on various HF bands. QSL via 7X2DD.

**BONAIRE (PJ4) (SA-006)** – Ops Eric/K9ES and Charles/AD4ES will sign K9ES/PJ4 and AD4ES/PJ4, respectively, Nov 21-28 on all bands. QSL both via their home CBAs. Both operators will operate in the CQWW DX CW Contest: Eric/K9ES will sign PJ4E as a 80m entry, and Charles/AD4ES will sign PJ4I as a 20m entry. QSL PJ4I and PJ4E via LoTW.

**DJIBOUTI (J28)** – F1TMY will sign J28PJ for 3 years on 160-6m. QSL via F1TMY.

**DODECANESE (SV5)** – Oliver/DK7TX, will sign SV5/DK7TX from four islands of the IOTA group EU-001 (Kos, Kalymnos, Nisyros and Telendos) Oct 3-30 on 20/15/10m. QSL via his home CBA, by the Buro or eQSL.

**EASTERN KIRIBATI (T32)** – Ken/KH6QJ will sign T32AZ from Kiritimati Is (OC-024) October 5-10 on 40/20/15m, but will focus on 40m using CW and SSB. He will operate in the VK/ZL Oceania SSB Contest (Oct 7). QSL via his home CBA, direct or by the Buro.

**EGYPT (SU)** – Chris/DM4DX now signing SU/DM4DX from Egyptian Radio Amateurs' Society Club station til Nov on 20-10m using SSB. QSL only via LoTW. No Buro or direct QSLs.

**FERNANDO DE NORONHA (PYØF) (SA-003, DIB OC-01, WLOTA 1208, WWFF PYFF-016)** – Leo/PP1CZ will sign PYØFW (not PYØF/PP1CZ as first announced) Oct 22-27 on 80-10m with some 6m using CW, RTTY and some SSB, i.e., JT65 and FT8. QSL direct or ClubLog's OQRS. NO Buro or LoTW. Check out the past pictures on QRZ.com.

**GUADELOUPE (FG) (NA-102)** – Philippe/F1DUZ will sign FG4KH Oct 17-Nov 7 on all HF bands and 6m using SSB, Digita (JT65, FT8, Hell), and with 2m/70cm Tropo, TEP and EME on JT65B. He will participate in the CQWW DX SSB Contest Oct 28-29. QSL via his home CBA, direct or by the Buro. Web sites for EME and TEP info and the logs online are at: 144 MHz: <<http://fgdpxpeditionf1duz.monsite-orange.fr>>; 432 MHz: <<http://fg4kh-eme-70cm.monsite-orange.fr>> →

## Upcoming Contests

Sean Kutzko/KX9X,

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

- Oct 1 North American SSB Sprint, 80-20m, Phn, [www.sbspsprint.com/rules](http://www.sbspsprint.com/rules)
- Oct 1 UBA ON Contest, SSB, 80m, [www.uba.be/en](http://www.uba.be/en)
- Oct 1 Peanut Power QRP Sprint, 40/20/15m, CW/Phn, [www.nogaqrp.org](http://www.nogaqrp.org)
- Oct 1-4 Classic Exchange, Phone, 160-2m, [www.classicexchange.org](http://www.classicexchange.org)
- Oct 2-8 IQRQ Quarterly Marathon, All Bands, CW/Digi/Phn, [www.arimontebelluna.it](http://www.arimontebelluna.it)
- Oct 3 ARS Spartan Sprint, 80-10m, CW, [www.arsqrp.blogspot.com](http://www.arsqrp.blogspot.com)
- Oct 3 German Telegraphy Contest, 80-40m, CW, [www.agcw.org/index.php/en](http://www.agcw.org/index.php/en)
- Oct 4 432 MHz Fall Sprint, CW/Digi/Phn, [www.vhfs.org](http://www.vhfs.org)
- Oct 4 UKEICC 80-Meter Contest, Phn, [www.ukeicc.com](http://www.ukeicc.com)
- Oct 5 SARL 80-Meter QSO Party, Phn, [www.sarl.org.za](http://www.sarl.org.za)
- Oct 5 NRAU 10-Meter Activity Contest, CW/Digi/Phn, [www.nrau.net](http://www.nrau.net)
- Oct 6-8 YLRL DX/NA YL Anniversary Contest, All Bands, CW/Digi/Phn, [www.ylrl.org](http://www.ylrl.org)
- Oct 7 Microwave Fall Sprint, 902 MHz and Up, CW/Digi/Phn, [www.svhfs.org](http://www.svhfs.org)
- Oct 7 FISTS Fall Slow Speed Sprint, 80-10m, CW, [www.fistsna.org](http://www.fistsna.org)
- Oct 7-8 ARRL EME Contest, 50-1296 MHz, CW/Digi/Phn, [www.arrl.org/eme-contest](http://www.arrl.org/eme-contest)
- Oct 7-8 GTC CW Cup, 80-10m, CW, [www.raag.org](http://www.raag.org)
- Oct 7-8 Oceania DX Contest, Phone, 160-10m, [www.oceaniadxcontest.com](http://www.oceaniadxcontest.com)
- Oct 7-8 Russian WW Digital Contest, 160-10m, Digi, [www.rdrclub.ru](http://www.rdrclub.ru)
- Oct 7-8 TRC DX Contest, 80-10m, CW/Phn, [www.trcdx.org/trcdxc](http://www.trcdx.org/trcdxc)
- Oct 7-8 SKCC Weekend Sprintathon, 160-6m, CW, [www.skccgroup.com](http://www.skccgroup.com)
- Oct 7-8 Intl HELL-Contest, 80/40m, Digi, [www.darc.de/der-club/referate/ukw-funk-sport](http://www.darc.de/der-club/referate/ukw-funk-sport)
- Oct 7-8 California QSO Party, 160-10m, CW/Phn, [www.cqp.org/Rules.html](http://www.cqp.org/Rules.html)
- Oct 7-8 WAB HF Phone, 20-10m, Phn, [www.wab.intermip.net](http://www.wab.intermip.net)
- Oct 8 RSGB DX Contest, 80-10m, CW/Phn, [www.rsgbcc.org/hf](http://www.rsgbcc.org/hf)
- Oct 8 UBA ON Contest, 80m, CW, [www.uba.be/en](http://www.uba.be/en)
- Oct 8 UBA ON Contest, 6m, CW/Phn, [www.uba.be/en](http://www.uba.be/en)
- Oct 9 4 States QRP Group Second Sunday Sprint, 160-10m, CW/Phn, [www.4sqrp.com/SSS](http://www.4sqrp.com/SSS)
- Oct 9 RSGB 80-Meter Autumn Series, CW, [www.rsgbcc.org/hf](http://www.rsgbcc.org/hf)
- Oct 10 International 10-10 Day Sprint, 10m, CW/Digi/Phn, [www.ten-ten.org](http://www.ten-ten.org)
- Oct 11 NAQCC CW Sprint, 80-20m, [www.naqcc.info](http://www.naqcc.info)
- Oct 14 FISTS Fall Unlimited Sprint, 80-10m, CW, [www.fistsna.org](http://www.fistsna.org)
- Oct 14-15 Makrothen RTTY Test, 80-10m, Digi, [www.pl259.org/makrothen/mak-rothen-rules](http://www.pl259.org/makrothen/mak-rothen-rules)
- Oct 14-15 Oceania DX Contest, 160-10m, CW, [www.oceaniadxcontest.com](http://www.oceaniadxcontest.com)
- Oct 14-15 Scandinavian Activity Contest, SSB, 80-10m, [www.sactest.net/blog/rules](http://www.sactest.net/blog/rules)
- Oct 14-15 Pennsylvania QSO Party, 160-2m, CW/Digi/Phn, [www.nittany-arc.net](http://www.nittany-arc.net)
- Oct 14-15 Arizona QSO Party, 160-2m, CW/Digi/Phn, [www.azqsoparty.org](http://www.azqsoparty.org)
- Oct 14-15 PODXS 070 Club 160-Meter Great Pumpkin Sprint, Digi, [www.podxs070.com](http://www.podxs070.com)
- Oct 15 Asia-Pacific Fall Sprint, 20/15m, CW, [www.jsfc.org/apsprint/aprule.txt](http://www.jsfc.org/apsprint/aprule.txt)
- Oct 15 UBA ON Contest, 2 Meters, CW/Phn, [www.uba.be/en](http://www.uba.be/en)
- Oct 16 Run for the Bacon QRP Contest, 160-10m, CW, [www.qrpcontest.com/pigrun](http://www.qrpcontest.com/pigrun)
- Oct 16-20 ARRL School Club Roundup, All Bands (no WARC), CW/Phn, [www.arrl.org/school-club-roundup](http://www.arrl.org/school-club-roundup)
- Oct 16-17 Telephone Pioneers QSO Party, 160-UHF, CW/Digi/Phn, [www.tpqsos.com](http://www.tpqsos.com)
- Oct 18 RSGB 80-Meter Autumn Series, Data, Digi, [www.rsgbcc.org/hf](http://www.rsgbcc.org/hf)
- Oct 20 MCG Autumn Sprint, 160-40m, CW/Phn, [www.mcg-club.ru/index-eng.html](http://www.mcg-club.ru/index-eng.html)
- Oct 21 RCB XYL Test, 80-10m, Phn, [www.radioclubbergantinos.es](http://www.radioclubbergantinos.es)
- Oct 21 Feld Hell Sprint, 160-6m, Digi, [www.sites.google.com/site/feldhellclub](http://www.sites.google.com/site/feldhellclub)
- Oct 21-22 JARTS WW RTTY Contest, 80-10m, Digi, [www.jarts.jp/rules2017.html](http://www.jarts.jp/rules2017.html)
- Oct 21-22 10-10 International Fall Contest, 10m, CW, [www.ten-ten.org](http://www.ten-ten.org)
- Oct 21-22 New York QSO Party, All Bands, CW/Digi/Phn, [www.nyqp.org](http://www.nyqp.org)
- Oct 21-22 Worked All Germany Test, 80-10m, CW/Phn, [www.darc.de/der-club/referate/ukw-funk-sport](http://www.darc.de/der-club/referate/ukw-funk-sport)
- Oct 21-22 Stew Perry Topband Challenge, 160m, CW, [www.kkn.net/stew](http://www.kkn.net/stew)
- Oct 21-22 South Dakota QSO Party, 160-2m, CW/Digi/Phn, [www.kb0wsw.com/SDQP](http://www.kb0wsw.com/SDQP)
- Oct 22 RSGB RoLo, 80m, CW, [www.rsgbcc.org/hf](http://www.rsgbcc.org/hf)
- Oct 22-23 Illinois QSO Party, 160-2m, Phn, [www.w9awe.org/ILQP.html](http://www.w9awe.org/ILQP.html)
- Oct 25 SKCC Sprint, 160-10m, CW, [www.skccgroup.com](http://www.skccgroup.com)
- Oct 25 UKEICC 80-Meter Contest, CW, [www.ukeicc.com](http://www.ukeicc.com)
- Oct 26 RSGB 80-Meter Autumn Series, SSB, [www.rsgbcc.org/hf](http://www.rsgbcc.org/hf)
- Oct 28-29 Araucaria VHF Contest, 6/2m, CW/Phn, [www.avhfc.com](http://www.avhfc.com)
- Oct 28-29 CQ Worldwide DX Contest, SSB, 160-2m, Phn, [www.cqww.com/rules.htm](http://www.cqww.com/rules.htm) ♦



**HONG KONG (VR2Ø) (Special Event)**

– Hong Kong Radio Sports Assoc (HRSA) members will sign VR2Ø til Jun 30, 2018, to commemorate the 20th anniversary of the Hong Kong Special Administrative Region of the People's Republic of China. <[https://www.itu.int/dms\\_pub/itu-t/opb/sp/T-SP-OB.1116-2017-OAS-PDF-E.pdf](https://www.itu.int/dms_pub/itu-t/opb/sp/T-SP-OB.1116-2017-OAS-PDF-E.pdf)>.

**INDONESIA (YE2)** – Members of the ORARI Semarang Contesting Team will sign YE2C during the CQWW DX CW Contest Nov 25-26. QSL via LoTW ONLY. <<http://ye2c.wordpress.com>>.

**LIBERIA EL2)** – Ops Jeremy/EI5GM, David/EI9FBB and Col/MM0NDX will sign EL2GM, EL2BB and EL2EL, respectively, from Monrovia before and after their 5L3BI IOTA AF-111P DXpedition [tentatively Oct 3-Nov 3]. QSL via M0OXO or OQRS.

**NEPAL (9N)** – Gerhard/OE3GEA is now signing 9N7GE from Kathmandu on various HF bands (QRNs on 30/17m) using CW. QSL via his home CBA, direct or by the Buro.

**PALESTINE (E4)** – Janusz/SP9FIH will sign E44WE from Bethlehem Oct 18-29 on

30/15/12/10m using SSB, PSK63, and possibly RTTY. He will operate in the CQWW DX SSB Contest Oct 28-29 on 15m. QSL via his home CBA or ClubLog's OQRS. <<http://www.e4.dxpedititions.org>>.

**ST. HELENA ISLAND (ZD7)** – Bill/GØVDE will sign ZD8VDE operating SSB and some Data (maybe FT8!). Online log will be via ClubLog and QSLs via OQRS. Info at <<http://www.sthelenadx.com>>.

**VIETNAM (3W)** – Megumu/JA6QGF is signing 3W9A from Ho Chi Minh City on 17 and 6m SSB. QSL via his home 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 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](mailto:ke4maj@arrl.net). Go to <<http://www.lexkywars.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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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, [byronllx@aol.com](mailto:byronllx@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](mailto:billdit@twc.com).

## Minutes of the Board of Directors Meeting, August 21, 2017

Recorded and submitted by:  
**Bruce A. Campbell, KM4EHU**, Secretary

The directors' meeting was called to order by President **Smokey Wallace, KE6IVK**, at 7:30pm. In attendance were: First Vice President **Bill Fuqua, WA4LAV**; Second Vice President **James Schlessler, WA9MED**; Treasurer **John Barnes, KS4GL**; Secretary **Bruce Campbell, KM4EHU**; Director-at-Large **David Richardson, W9KHZ**. In addition, Trustee **Andrew Cook, KF4OWP**, plus MARS representatives **Barry Jackson, WB4N**, and **Harvey Fry, AA4HF**, were present.

Treasurer **John Barnes, KS4GL**, reported that no new membership applications have been received.

Treasurer **John Barnes, KS4GL**, submitted the summary treasurer's report of amounts in available deposits as of July 31, 2017.

Checking account:

General: \$ 9,675.50  
Coax/repeater: \$ 1,164.64  
Education: \$ 1,995.30  
Total: \$ 12,835.44  
PayPal account: \$ 2,661.84  
Savings account: \$ 200.34  
Total balance of accounts:  
\$ 15,697.62

**James Schlessler, WA9MED**, moved, and **Andrew Cook, KF4OWP**, seconded that the treasurer's report be accepted, which was approved unanimously.

Secretary **Bruce Campbell, KM4EHU**, reported that the ARRL has been contacted to refresh the affiliated club files to allow the BARS records to be updated, re-activated, and re-listed on the ARRL web page.

### Committee Reports

**Education: Bill Fuqua, WA4LAV.** The Lexington Library would like a one(1)-hour presentation on an introduction to amateur radio. They would require a three(3)-month advance notice to allow them to schedule the presentation.

**Volunteer Examinations: (Fernie Williams, KE4MEI).** Two(2) Technician class exams were given and successfully completed during the hamfest.

**Hamfest: David Richardson, W9KHZ.** Total income for the hamfest was \$2,040.00, with total expenses of \$738.45, which resulted in a profit of \$1301.55. This amounted to better than twice the profit from last year's hamfest. Suggestions for improvements or changes for next year's hamfest are welcome.

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

### Treasurer's Report

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

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

	Checking Account	Pay Pal Account	Savings Account	Total
<b>Income:</b>				
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	0.00	0.00	0.00	0.00
Education	45.00	0.00	0.00	45.00
Hamfest	3010.00	0.00	0.00	3010.00
Interest	1.77	0.00	0.02	1.79
Miscellaneous	0.00	0.00	0.00	0.00
<b>Total</b>	<b>3076.77</b>	<b>0.00</b>	<b>0.02</b>	<b>3076.78</b>
<b>Expenses:</b>				
ARRL Dues	0.00			0.00
Coax/Repeaters	0.00			0.00
Donations	0.00			0.00
Education	0.00			0.00
Election	131.00			131.00
Equipment	0.00			0.00
Field Day	0.00			0.00
Hamfest	1738.45			1738.45
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
<b>Total</b>	<b>1869.45</b>			<b>1869.45</b>

#### Account Balances

	July 31, 2017	August 31, 2017
Checking*	\$12835.44	\$14042.75
Pay Pal Balance	\$ 2661.84	\$ 2661.84
Savings Balance	\$ 200.36	\$ 200.38
<b>Total Balance</b>	<b>\$15697.64</b>	<b>\$16904.97</b>

#### \*Fund Specific Balances (Checking)

General	\$ 9675.50	\$10968.82
Coax/Repeater	\$ 1164.64	\$ 1164.64
Education	\$ 1995.30	\$ 1909.29
<b>Total</b>	<b>\$12835.44</b>	<b>\$14042.75</b>

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

**Emergency Preparedness:** 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 currently vacant and volunteers for the committee will be considered.

**MARS: Barry Jackson, WB4N,** and **Harvey Fry, AA4HF:** The MARS station equipment is in operation. A new and separate high frequency antenna system is being studied.

#### Old Business:

None

#### New Business:

1. President **Smokey Wallace, KE6IVK**, suggested that the club and the

membership should consider a joint financial donation to the Red Cross. The proposal will be presented at the next general meeting.

2. **Harvey Fry, AA4HF**, reported that various and miscellaneous communications equipments have been donated to BARS by **Virginia Rigney** in memory of silent key **Richard Rigney, KC4FCQ**. The equipment will be inventoried and a confirmation letter will be sent to Mrs. Rigney.

#### Upcoming BARS Schedule:

September 11th, 6:00pm. Picnic at Shillito Park.

September 16th, 8:00am. Richmond Hamfest.

September 18th, 7:30pm. BARS Directors' Meeting.

September 30th, 8:88am. Paintsville

Hamfest.

October 2nd, 7:00pm. KY-QRP Meeting.  
October 2nd, 7:30pm. BARS General Meeting.

Program: *Modification of commercial AM transmitters for amateur radio use.*

October 7th, 8:00am. Morehead Hamfest and Bowling Green Hamfest.

October 16th, 7:30pm. BARS Directors' Meeting.

October 29th, 8:00am. Hazard Hamfest.

With no other business at 8:02pm, **Andrew Cook, KF4OWP**, moved, and **James Schlessler, WA9MED**, seconded, that the meeting be adjourned, which was approved unanimously. ♦

## Minutes of the General Meeting of the Bluegrass Amateur Radio Society, Inc., September 11, 2017\*

Recorded and submitted by:  
**Bruce A. Campbell, KM4EHU**, Secretary

An abbreviated BARS general meeting was called to order at the September picnic by First Vice President **Bill Fugua, WA4LAV**, at 7:08 PM.

Self-introductions were made by thirty-four (34) attendees that included twenty (20) members (a quorum), plus **Terry Dunn** from American Red Cross Bluegrass Chapter and her husband.

Treasurer **John Barnes, KS4GL**, reported that no new membership applications were received or pending consideration.

Treasurer **John Barnes, KS4GL**, submitted the summary treasurer's report of amounts available in deposits as of August 31, 2017 (see table at the right).

Secretary **Bruce Campbell, KM4EHU**, reported that the BARS affiliation with the ARRL has been renewed, and our club information is now included on the ARRL website. Also, the new Red River Amateur Radio Club has been established in Powell County.

Director-at-Large and Hamfest Committee Chairman, David Richardson, W9KHZ, reported that a clear profit of \$1,301.55 was realized from our hamfest.

#### Old Business

None.

#### New Business

First Vice President **Bill Fuqua**,

**WA4LAV**, mentioned the sixteenth (16th) anniversary of the September 11th attacks on the United States and the current hurricane natural disasters in Texas and Florida, and the relationship of amateur radio and the Red Cross in public service emergency response. **Darryl Bennett, KD4CSW**, proposed a motion that the club donate \$1,000 to our local Red Cross to be used as needed for the Bluegrass Chapter's part in the hurricane relief, and also in recognition of the Red Cross' provision and allowance for use of their building by the Bluegrass Amateur Radio Society. The motion was seconded by **Brad James, WA4HBM**, and approved unanimously by the voting membership present.

The next formal BARS scheduled meetings in October and November are:

KY-QRP Meeting: Monday, October 2nd, at 7:00pm, in meeting room B of the Red Cross Building.

General Meeting: Monday, October 2nd, at 7:30pm, in the meeting room

B of the Red Cross Building.

Program: Conversion of Commercial AM Transmitters to Amateur Radio Use.

Directors' Meeting: Monday, October 16th, at 7:30pm, in the Education Center, Basement of the Red Cross Bldg.

KY-QRP Meeting: Monday, November 6th, at 7:00pm, in meeting room B of the Red Cross Building.

General Meeting: Monday, November 6th, at 7:30pm, in meeting room B of the Red Cross Building.

Program: Nomination of Officers for 2018.

Directors' Meeting: Monday, November 20th, at 7:30pm, in the Education Center, basement of the Red Cross Bldg.

With no other business at 7:38pm, **Brad James, WA4HBM**, moved, and **Darryl Bennett, KD4CSW**, seconded that the meeting be adjourned, which was approved unanimously. ♦

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



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*Looking Back. . . From "HamNews," October 1982, pg. 11*

**HAM BILL PASSED BY HOUSE OF REPRESENTATIVES,  
SENATE.....**

**FROM W5YI REPORT, SEPT 1, 1982**

AS PREDICTED IN OUR JUNE 15TH NEWSLETTER, HR-5008 WAS PASSED BY THE FULL HOUSE OF REPRESENTATIVES ON AUGUST 19TH. IT WILL BE KNOWN AS THE COMMUNICATIONS TECHNICAL AMENDMENT ACT OF 1982. IT WAS IMMEDIATELY APPROVED 'AT THE FRONT DESK' BY THE SENATE. BARRY GOLDWATER, K7UGA, HAD GIVEN INSTRUCTIONS THAT HE WOULD APPECT THE HOUSE VERSION OF S.929 THAT PROVIDED FOR ESSENTIALLY THE SAME THING RATHER THAN TRY TO WORK OUT A COMPROMISE AND FURTHER DELAY THE BILL.

THE BILL (AS I WRITE THIS) IS ON PRESIDENT REAGAN'S DESK. I SPOKE TODAY TO THE FCC'S WASHINGTON LEGISLATIVE UNIT (ATTORNEY TERRY MAHONEY) AND WAS TOLD THAT REAGAN'S SIGNATURE WAS 'ASSUMED WITHIN TWO WEEKS.' (IT MAY BE ALREADY SIGNED BY THE TIME YOU READ THIS.) HR-5008 IS THE MOST FAR REACHING BILL FOR THE AMATEUR SERVICE IN DECADES. IT PROVIDES FOR:

(1.) AUTHORIZES THE COMMISSION TO SET MINIMUM PERFORMANCE STANDARDS FOR HOME ENTERTAINMENT EQUIPMENT - THE SO-CALLED "SWIFT AMENDMENT." (I SAW NOTHING IN THE PRESS RELEASES THAT INDICATED THAT THIS AMENDMENT WAS STRICKEN FROM THE BILL EVEN THOUGH INDUSTRY GROUPS FOUGHT HARD AGAINST IT.)

(2.) PERMITS THE FCC TO USE VOLUNTEER RADIO OPERATORS TO ASSIST WITH RADIO WAVE ENFORCEMENT BY MONITORING AND REPORTING VIOLATIONS OF THE CB AND HAM RADIO BAND RULES.

(3.) PERMITS THE COMMISSION TO DISCONTINUE CB RADIO LICENSING - SOMETHING THAT WILL SAVE THEM "BIG BUCKS." THE CB RULES WILL STILL EXIST, HOWEVER, BUT THE PUBLIC WILL OPERATE UNDER A 'GENERAL AUTHORIZATION.' THE FCC FELT THAT THERE WAS LITTLE NEED FOR THE LICENSES SINCE THERE WERE BASICALLY NO REQUIREMENTS TO OBTAIN THEM. CB'ERS ARE UPSET THAT THEY ARE BEING "DEFRANCHISED." (ALL OF A SUDDEN, CB LICENSES APPEAR IMPORTANT.)

(4.) ALLOWS THE FCC TO HAND OVER NEARLY COMPLETE ADMINISTRATION OF AMATEUR RADIO SERVICE LICENSING PROGRAM TO AMATEUR COMMUNITY. THE COMMISSION FEELS THAT THE ARRL IS PERHAPS THE ONLY GROUP THAT COULD HANDLE THIS AND IS WORKING VERY CLOSELY WITH THE LEAGUE. MY SPIES TELL ME THAT THERE HAVE BEEN SEVERAL FORMAL AND INFORMAL MEETINGS IN WASHINGTON BETWEEN THE LEAGUE AND THE FCC PRIVATE RADIO BUREAU ON THIS. THIS IS NOT TO SAY THAT OTHER GROUPS COULD NOT AND WOULD NOT BE AUTHORIZED. IT IS ONLY THE ARRL THAT THE COMMISSION IS WORKING WITH NOW; HOWEVER, NEWINGTON IS ALREADY PREPARED TO TAKE OVER ADMINISTRATION OF HAM LICENSING INCLUDING CREATION OF THE ACTUAL AMATEUR TESTS AND ADMINISTRATION THROUGH THEIR AFFILIATED CLUBS. THE FCC WOULD STILL HAVE TO APPROVE THE TEST QUESTIONS AND "CERTIFIED ORGANIZATIONS" TO ACT ON THEIR BEHALF.

# 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.

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

## Standing Committee Chairs:

Contest ..... Need Chair  
Education ..... Bill Fuqua/WA4LAV (859) 272-9523 (wlfuqu00@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@jschlessler.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)

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

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 Repeaters Trustee ..... Andrew Cook/KF4OWP (kf4owp@gmail.com)  
HF Liaison to Shack Committee ..... David Richardson/W9KHZ  
VHF Liaison to Shack Committee ..... Tim Kunkle/KF4MPM

## President:

Joseph Wallace/KE6IVK  
409C Laredo Court  
Lexington, Kentucky 40517  
859/402-8208  
ke6ivk@arrl.net

## Second Vice-President:

James Schlessler/WA9MED  
1492 Elizabeth Street  
Lexington, Kentucky 40503  
757/478-2186  
wa9med@jschlessler.com

## Treasurer:

John Barnes/KS4GL  
216 Hillsboro Avenue  
Lexington, Kentucky 40511-2105  
859/253-1178  
jrbarnes@iglou.com

## First Vice-President:

Bill Fuqua/WA4LAV  
3395 Greentree Drive  
Lexington, Kentucky 40517  
859/272-9523  
wlfuqu00@uky.edu

## Secretary:

Bruce Campbell/KM4EHU  
169 Millwood Drive  
Winchester, Kentucky 40391  
859/744-7608  
bruce\_campbell@myemail.eku.edu

## Directors-at-Large:

Tim Kunkle/KF4MPM  
426 Blueberry Lane  
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.](http://www.BluegrassARS.org)

[BluegrassARS.org](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

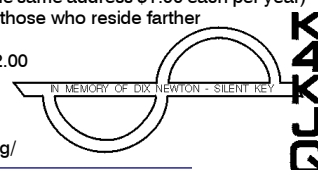
(Additional family member(s) at the same address \$1.00 each per year)  
Associate Membership – \$15.00 (for those who reside farther than 50 miles from Lexington)

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 October 2017



- Sun 1 **Amateur Television & Specialized Communications Net**, 9:00 PM (146.760 Repeater).
- Mon 2 **KY-QRP meeting**, 7:00 PM, Meeting Room "B," Red Cross Bldg, 1450 Newtown Pike, Lexington.
- Mon 2 **Bluegrass ARS Club meeting**, 7:30 PM, Meeting Room "B," Red Cross Bldg, 1450 Newtown Pike.
- Tue 3 **Amateur Swap Net** 145.370 (T-192.8) 8:00 PM; **"Casual Communicators Net,"** 9:00 PM Eastern, 443.325+ MHz.
- Wed 4 **Six Shooters Net**, 8:00 PM on 52.525 MHz FM (vertically polarized); **Fayette County ARES Net, 9:00 PM, 146.760 repeater.**
- Thu 5 **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 7 **Shack open** 9:00-Noon; **Radio Theory and Construction Workshop**, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike.
- Sun 8 **Amateur Television & Specialized Communications Net**, 9:00 PM (146.760 Repeater).
- Mon 9 **Jessamine Amateur Wireless Society meeting**, 7:00 PM, St. Joseph/R.J. Corman Ambulatory Care Center, 1250 Keene Road, Nicholasville.
- Tue 10 **Amateur Swap Net** 145.370 (T-192.8) 8:00 PM; **"Casual Communicators Net,"** 9:00 PM Eastern, 443.325+ MHz.
- Wed 11 **Six Shooters Net**, 8:00 PM on 52.525 MHz FM (vertically polarized); **Fayette County ARES Net, 9:00 PM, 146.760 repeater.**
- Thu 12 **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 14 **Shack open** 9:00-Noon; **Radio Theory and Construction Workshop**, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike.
- Sat 14 License Exam Session, 10:00 AM, **Darrell Epperson/AC4YD**, eppersond@aol.com, 859-771-1834, W5YI, Clark Cty EOC, 200 Maryland Ave., Winchester, KY
- Sun 15 **Amateur Television & Specialized Communications Net**, 9:00 PM (146.760 Repeater).
- Mon 16 **Bluegrass ARS Board of Directors' Meeting**, 7:30 PM, Education Center in basement of Red Cross Building.
- Tue 17 **Amateur Swap Net** 145.370 (T-192.8) 8:00 PM; **"Casual Communicators Net,"** 9:00 PM Eastern, 443.325+ MHz.
- Wed 18 **Six Shooters Net**, 8:00 PM on 52.525 MHz FM (vertically polarized); **Fayette County ARES Net, 9:00 PM, 146.760 repeater.**
- Thu 19 **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 21 **Shack open** 9:00-Noon; **Radio Theory and Construction Workshop**, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike.
- Sun 22 **Amateur Television & Specialized Communications Net**, 9:00 PM (146.760 Repeater).
- Tue 24 **Amateur Swap Net**, 145.370 (T-192.8) 8:00 PM; **"Casual Communicators Net,"** 9:00 PM Eastern, 443.325+ MHz.
- Wed 25 **Six Shooters Net**, 8:00 PM on 52.525 MHz FM (vertically polarized); **Fayette County ARES Net, 9:00 PM, 146.760 repeater.**
- Thu 26 **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 28 **Shack open** 9:00-Noon; **Radio Theory and Construction Workshop**, 1:00-3:00 PM, basement, Red Cross Bldg, 1450 Newtown Pike.
- Sat 28 **License Exam Session**, 10:00 AM, Liaison **John Wulf/K4FT**, johnk4ft@gmail.com, 563-505-0339, Wilderness Road ARC, Danville
- Sun 29 **Amateur Television & Specialized Communications Net**, 9:00 PM (146.760 Repeater)
- Tue 31 **Amateur Swap Net** 145.370 (T-192.8) 8:00 PM; **"Casual Communicators Net,"** 9:00 PM Eastern, 443.325+ MHz..