

NET ACTIVITY:
 KEN: MONDAY 3.972.5 2330Z
 KDN: TUESDAY 3.587 0030Z
 KYN CW: DAILY 3.537 0100Z
 STATEWIDE DMR: "8 PM
 Thursday ET TG 3192
 STATEWIDE FUSION NET: 8 PM
 ET Saturday rm 40806
 STATEWIDE DSTAR: 7 PM ET
 THURSDAY REF 56B

SM: w4nho@arrl.net
 SEC: sec@kyham.net
 STM: kc4bqk@arrl.net
 ACC: vacant
 TS: n9ky@arrl.net
 OOC: gary.k7ek@gmail.com
 PIO: w0qi@icloud.com
 KYHAM: admin@kyham.net

KY INFO: WWW.KYHAM.NET

KENTUCKY NEWS
KENTUCKY SECTION MANAGER
STEVE MORGAN W4NHO
OWENSBORO KY 42301
HAPPENING OF THE MONTH
AUGUST 2018



CHANGES IN THE WIND FOR KY ARES®

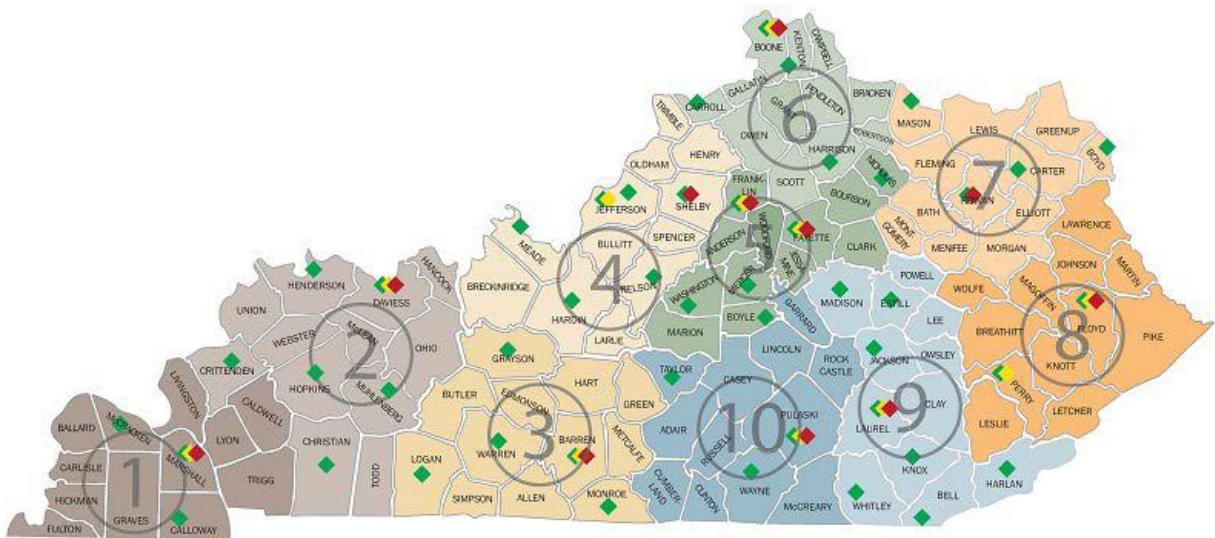


Figure 1 REDISTRICTING MAP OF KY ARES® -EFFECTIVE SEPTEMBER 1

September 1st. Mr. Ron Goodpaster AG4TY KYSEC, is working with our DEC's and regional SEC to develop and plan KY ARES® will realign its current districting to match the state EM districts throughout the state as of to keep our system current with KY EMA.

Furthermore, ECs and DEC's are encouraged to make sure their county has enrolled in ARES Connect. This is a database to keep up with your county ARES® members in regards to equipment, capabilities and training. When ARES® Connect opens in January, Kentucky will be in the first group to activate Connect. Questions, please contact Ron, ag4ty@yahoo.com





Continue to participate in the monthly conference calls. There is a plan to have 3 sessions a month. The first session will be during the editing of this newsletter, so you will have two more opportunities this month. It is a great way to spread the word, make sure you're getting the correct information for your members and providing input in the direction Kentucky is heading. All ECs, DEC's and ASEC should have received information on dialing into the free conference call. Next scheduled calls will be on 22nd @ 4 pm EDT, 30th @ 8 pm EDT.



ECs and DEC's and ASEC's should have received a procedure and invite to texcom.com. This is a special site to quickly provide and share information, generate reminders and above all help us all be better communicators.

Thanks to Ron, Roy and all participants on the KEN each week. This net provides an excellent opportunity to make sure our equipment is operational, make work arounds are in place if something breaks and above all, get to know your fellow amateurs across the state and be involved in training when possible. Thanks for all of your support.

CLUB OF THE MONTH - WOODFORD COUNTY ARC

The W.C.A.R.C. is an organization of amateur radio operators in Woodford County. The club has approximately 30 members. W.C.A.R.C. is active in community affairs. The club has organized an active ARES® group in Woodford County, supplies communications support for local events such as the Versailles Christmas and 4th of July Parades. We are active in training new hams, we even helped scout Troop 43 with their Radio Merit Badge.



Figure 2 Merit Badge Instruction Class – Greg Shaw N4GOS



STUDENTS AND INSTRUCTORS going through amateur radio entry level technician class had a visit from Kentucky Lt. Gov. Jenean Hampton, who is an amateur radio operator. She gave a talk about the pluses and benefits, and how she came to be the lieutenant governor. To become an amateur radio operator, contact ky4wc@ky4wc.org. From left are Greg Shaw (N4GOS), students Susanne Thompson, Alexis Cerise and Johnny Mills, Paul Harrington (KB4ENQ), Hampton (K5EIB), Jerry Mueller (KC4WCO), Jim Hughes (K4ZPL), Victor Valdivia (KM4KQF), Richard Jones (AJ1W), and Drew Chandler (KI4TFI). (Photo submitted)



Figure 3 Woodford Co Members: Rick Nutter KY4RCN, Former SM Alan Morgan KY10 Greg Shaw N4GOS

We have sponsored a special events station at the Kentucky Horse Park the weekend before the Kentucky Derby. During the year there are antenna building parties, fox hunts, the Christmas Party.

The Woodford County Amateur Radio Club exists to be of service to the community in which we live and to enjoy the fellowship of other amateurs, and to bring in new licensed operators through training classes, and mentoring the new amateurs in setup and operation of the hobby.

The W.C.A.R.C. meets on the first Wednesday of the month, at 7:00 p.m. at Versailles Fire Dept. Station #2 at 100 Big Sink Pike in Versailles, Kentucky. Enter behind building in the basement into the WOODFORD Co. EOC.

CLUB OFFICERS:

President: Greg Shaw N4GOS

Vice President: Richard Jones AJ1W

Secretary: Paul Harrington III KB4ENQ

Treasurer: Steve McFadden KA4TJD

Repeaters: Club Call KY4WC

A LOOK AT THE FUTURE: YOUTH ACTIVITY IN NKY

BY MARK VOLSTAD AI4BJ YOUTH COORD. KY

KY4DH Dixie Heights HS Amateur Radio Club

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Despite my pessimism in my last report, the club survived the year, thanks to the efforts of NKARC members Dave Core K8WDA, Mike Daniels KY4RPH and John Donnelly KY4JD. The future of the club remains questionable, however, as the one student who earned an amateur license, Isaiah Ash KM4VCI, has now graduated.



BSA Amateur Radio Club

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Troop 727 Scoutmaster Mike Wood KY4PM has registered the Northern Kentucky Scouting Radio Club; our call sign is KY4BSA. I serve as quartermaster. We've met a couple of times at the

library to write a constitution and plan the direction of the club. The board decided to open the club to all members of the public, though only persons active in Scouting will be eligible to vote. The club has a Facebook page at <https://www.facebook.com/ky4bsa/> .

Merit Badge Challenge

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The Trailblazer District held its annual Merit Badge Challenge March 3 and 17. Seven scouts in my class earned their radio merit badge.

ARRL Field Day

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I manned the NKARC GOTA station at Field Day in June. Youth turnout was not huge, but a few youngsters managed to get in the log. Christian W4ALF organized up a fox hunt this year that proved very popular.

NKY Makerspace

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On June 16 I taught a workshop at [NKY Makerspace](#) titled Amateur Radio in the 21st Century. Seven youngsters ranging from grades 5 through 11 learned how to solder, and built code practice oscillators. We then went outside and erected my 66-ft doublet on a fiberglass mast. One student made a QSO with a ham in California and another with a ham in South Carolina.

Governor's Scholars Program

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Last week I was invited to speak to a group of about 20 high school seniors from across the state who were selected to this year's Kentucky Governor's Scholars Program (GSP). It's the second time I've been granted this opportunity, and I've thoroughly enjoyed both events. The students involved are the cream of the crop of 2019 Kentucky seniors. They are motivated, bright and curious – an ideal audience. The focus of my talk was how we tend to take radio for granted in our modern world. I start by asking how many of them brought radios with them. I get blank stares. Then I smile and ask them how many brought smart phones with them. I point out that most smart phones have at least four different types of radios built into them. Then we

review a brief history of telecommunications starting with smoke signals, semaphore, electric telegraph, etc.

One thing I've learned about today's youngsters is that they take community and public service seriously, so I never shy from talking about the serious side of amateur radio. This year I let them listen to a podcast of last year's very good NPR [interview](#) with N3MVF, who assisted in relaying health & welfare messages stateside in the aftermath of hurricane Maria in Puerto Rico. As I watched the students listen to what happened, I could see the lights coming on!

To provide them with a hands-on activity, I helped them to set up a telegraph circuit, using a couple of the same CPO's that were built at Makerspace the previous month. These [Velleman kits](#) are ideal for this, as they include connector blocks for easily connecting two together. We ran about 50 feet of cable between the classroom and the hall. The students split up into two groups and had a blast sending silly fake news headlines to each other.

As our final activity, we went outside, where I set up my HF station and the students took turns calling CQ. Conditions were poor, but they eventually completed QSOs with hams in Texas and Massachusetts, eliciting cheers from their classmates.

The gentleman who is guiding this group through the 6-week GSP at NKU is [Professor James Kenney](#), who teaches photojournalism and photography at WKU. He took some excellent pictures that day, which you should be able to view here:

<https://drive.google.com/drive/folders/1tpXasAVRdl6Ti5B84-1PWwMVqgZgQPtb>

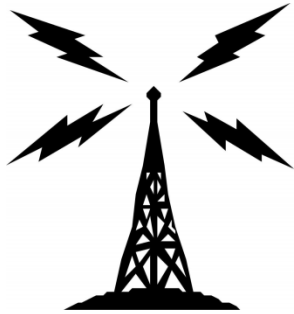
Future Events

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Jamboree-on-the-Air (JOTA) takes place on October 20 & 21 this year. I've not made specific plans yet, but I assume that KY4BSA will be on the air that weekend.

There has been talk of holding another merit badge camp this fall, this one focused on STEM-related badges. I have volunteered to teach the Radio class if this event takes place.

KY SECTION TECHNICAL COORDINATOR By Chuck Milam N9KY



Kentucky Section Technical Specialist David, N4YHC reports he helped an solve an RFI-related issue when contacted by a neighbor: "He told me his garage door openers were going up and down. I offered to put some ferrite beads on the offending door. He took me up on it so I put the beads on the wires that do to the door blocked sensors and the problem seemed to go away. I bought more beads from Amazon and applied them in all the wires to help break up the antenna affect. So far he hasn't had any more complaints."

Jim, KC4BQK reports he's still working on the KDN as NCS. Also WinLink is a hot project. He is looking for others to join in across the state.

As for me:

In the first week of July, I finally got the required LoTW grid confirmations I needed to qualify for 6M VUCC mixed award. Almost half of those contacts were via FT8, a few were JT65, and a good portion of SSB and CW QSOs in there as well.

I spent the last three weeks at Fort Leavenworth (schoolhouse, not jailhouse) at the Army Management Staff College. Needless to say, I didn't get much ham radio work done while I was there. I did pack my Arrow satellite antenna with every intention of possibly working some of the FM birds. However, I didn't get as much free time as I would've hoped--no one told me about all the homework in this course!

While I didn't get much of a chance to operate on air, I did find myself in class sitting across from a nice fellow who is an Electrical Engineer and works with equipment quite similar to (but obviously more advanced than) our network-connected software-defined radios like we use for the [Reverse Beacon Network](#). It certainly didn't take us long to find things to talk about! Over the course of the next week, I slowly introduced him to the different aspects of amateur radio

during class and over our meals. I'm pleased to report he's now actively studying for his amateur radio license and I'll continue to be his long-distance Elmer, even if it's just via E-mail for now.

We should always be ready to advocate for amateur radio and be ready to recruit a potential new ham. In fact, as ARRL field organization appointees, it's literally in our job descriptions:

"Recruitment of new hams and ARRL members is an integral part of the job of every ARRL appointee. Appointees should take advantage of every opportunity to recruit a new ham or member to foster growth of Field Organization programs, and our abilities to serve the public."

I also was introduced to one of the course instructors who is an active ham. We had a nice long chat over lunch one day. He's on the DXCC Honor Roll, missing one DXCC entity. Since his move to the Fort Leavenworth area, he's been restricted by an HOA from putting up antennas, an all-too-common problem today. He's been using one of the remote services to keep active on HF.

I'm glad to be home, and looking forward to the contest season. I'm waiting on a call back from our local power utility about getting some power poles saved from their pole upgrade project they're running on our property. Hoping I can get some decent antenna supports out of it!

In other news, it appears the popular μ Bitx HF (3-30MHz) all-band SSB and CW transceiver kits may have [some issues regarding spurious emissions and odd harmonics](#), so: "You may well need to do some mods though for your μ BITx to be fully legal in your country."

Keep an eye out for mods that may be necessary to run these kits within FCC guidelines for spectral purity.

AFFILIATED CLUB COORDINATOR



- Get to know the Amateur Radio clubs' members and officers person to person in his section. Learn their needs, strengths and interests and work with them to make clubs effective resources in their communities and more enjoyable for their members.
 - [Encourage affiliated clubs](#) in the section to become more active and, if the club is already healthy and effective, to [apply as a Special Service Club \(SSC\)](#).
- Supply interested clubs with SSC application forms.
 - Assist clubs in completing SSC application forms.
 - Help clubs establish workable programs to use as SSCs.
 - Approve SSC application forms and pass them to the SM.

- Work with other section leadership officials ([Section Emergency Coordinator](#), [Public Information Coordinator](#), [Technical Coordinator](#), [State Government Liaison](#), etc.) to ensure that clubs are involved in the mainstream of ARRL Field Organization activities.
- Encourage new clubs to become ARRL affiliated.
- Ensure that annual reports (updates officers, liaison mailing addresses etc.) are forthcoming from all affiliated clubs

HAPPENINGS ACROSS KY



Figure 5 Louisa ARRL Forum 2018



Figure 6 Fred Jones WA4SWF Gary Johnston KI4LA former GL Vice Director Steve Morgan W4NHO KY SM



Figure 7 Louisa Hamfest 2018

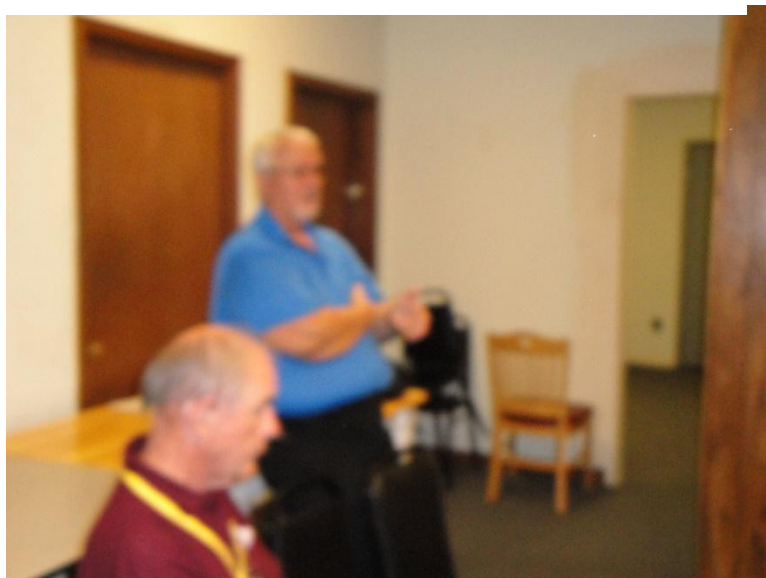


Figure 4 Ron Goodpaster AG4TY KY SEC , Tom Delaney W8WTD GL Vice Director - ARRL Forum Lexington

Coming Events

AUGUST 25 WEST VIRGINIA ST. CONVENTION, WESTON WVA: PRES ARRL RICK RODERICK
GUEST SPEAKER

SEPTEMBER 8 SHEPHERDSVILLE / GREATER LOUISVILLE ARRL STATE CONVENTION

SEPTEMBER 15 RICHMOND KY HAMFEST

SEPTEMBER 29 PAINTSVILLE HAMFEST

OCTOBER 6 BOWLING GREEN VET CITY HAMFEST

OCTOBER 13 MOREHEAD KY HAMFEST

OCTOBER 27 HAZARD KY HAMFEST

SECTION TRAFFIC MANAGER REPORT BY JIM RAYBURN KC4BQK

NETS

| NET NAME | NET MGR | QNI | QTC | QTR | SESSIONS | |
|--|---------|-----|-----|-----|----------|---|
| Harlan County ARES net | KC4FNV | | 55 | 0 | 68.75 | 5 |
| Newcomers and Elmers Net | AK3Q | | | | | |
| KY Emergency Net | KC4BQK | | 128 | 1 | 482.13 | 5 |
| KY Digital Net | KC4BQK | | 45 | 1 | 108.75 | 5 |
| KY7ET | K4SHL | | | | | |
| perry co. ares/sky warning net | KK4IFF | | 65 | | 65 | 9 |
| Letcher County ARES Linked System 2 Meter Net | KF4MF | | | | | |
| Oldham County ARES | KE6YCW | | 13 | 0 | 10.83 | 2 |
| Hardin Co ARES Net | W8WN | | | | | |
| Jefferson County ARES | KC4S | | | | | |
| Kentucky district 7 amateur radio emergency team net | kg4hmn | | | | | |

| | | | | | | |
|-----------------------------------|-----------------|-----|----|---------|--|----|
| Henderson County ARES | WD9JJV | | | | | |
| Henry County ARES Simplex Net | NG00 | 40 | 0 | 160 | | 8 |
| Madison County ARES Net | KO4OL | 59 | 1 | 237.97 | | 6 |
| Wilderness Trail Emergency Net | KO4OL | 47 | 1 | 58.75 | | 3 |
| Pike County ARES Net KY CW Net | WB4WAU W4NHO | 130 | 26 | 953.33 | | 32 |
| KY Winlink Net | KC4BQK | 21 | 42 | 2.5 | | 5 |
| Daviess County ARES KY7ET | KK4IDX K4SHL | 69 | 0 | 63.25 | | 4 |
| Shelby Co ARES Net | NG00 | 58 | 0 | 232 | | 6 |
| Total | | 730 | 72 | 2443.26 | | 90 |

PSHR

| STATION | SESSIONS | MESSAGE | APPTS | PUB SVC | EMG RES | DIGITAL | TOTAL |
|---------|----------|---------|-------|------------|---------|---------|-------|
| W4TSA | | | | | | | |
| W8QAS | | | | | | | |
| KC4BQK | 13 | 9 | 30 | | | 40 | 91 |
| KY4JLB | | | | | | | |
| KO4OL | 40 | 40 | 30 | | 5 | | 115 |
| W4EJF | | | | | | | |
| W4NHO | 38 | 36 | 20 | | | | 94 |
| KY4Z | | | | | | | |
| K4TXJ | 18 | 7 | | | | | 25 |

ORS/SAR

| STATION | TYPE | ORIGINATED | REC | SENT | DELIVERED | TOTALS |
|---------|------|------------|-----|------|-----------|--------|
| WB4ZDU | SAR | | | | | 20 |
| KO4OL | SAR | | | | | 82 |
| W4NHO | SAR | | | | | |
| WA4SWF | SAR | | | | | 11 |

ARES REPORT - JULY

Members

| | | | |
|--------------------|--------|----|---|
| Calloway County: | K4CHW | 4 | My personal efforts, as well as those of Calloway County AEC's participating in weekly nets was reflected in the Calloway County EC report. As of this post, I have received (2) EC reports for the month of July. 73 |
| Muhlenberg County: | KK4VIT | 12 | Weekly net with average of 6 check ins. A monthly business meeting held with 5 present. (low turnouts) Monthly ARES net with 5 check ins. Working to increase numbers. Public Service event at the County Fair. Information on ARES and Amateur radio handed out. Barry Waltrip |
| Butler County: | KN4MAA | 1 | Worked stand-by for SKYWARN during the severe weather on 20 July, however no issues occurred in our area. Monitored National Call Channel and the Owensboro ARES Net for any Traffic. No operations were conducted withing Butler County. (1800 to 2350 20 July 18) we were unable to contact anyone in Danville KY to assist in warnings in their area. no one seemed to be monitoring the local repeater. Attended the monthly Kentucky Col. Armature Radio Club meeting, discussed with other individuals our mission and probability of developing a District 4 ARES group club for training and exercise purposes. |
| Anderson County: | KA8D | 10 | Participated in 4 of the 4 Anderson Radio Club ARES Nets during July and served as Net Control for 1 net. I also participated in nets in Boyle, Fayette, Madison, Oldham, Shelby, and Woodford counties and in the KY Emergency and Digital Nets aw well as 1 of 2 severe weather net in Anderson Co. I attended the Anderson Radio Club and Capital Amateur Radio Society monthly meetings. Myself and 9 other ARC members assisted the Anderson Co Emergency Management with traffic control for the Lawrenceburg 4th of July Parade. |
| Boyd County: | KY4TVS | 1 | ARES Reorganization in progress, Meeting held on 7/10/18 to determine local interest. Several persons indicated interest and have been contacted. An organizational meeting will be scheduled for the 2nd week of August. |

| | | | |
|-----------------|--------|----|---|
| Knox County: | KM4VHI | 3 | Served as net control for Southeast Kentucky Emergency net on July 19. Activated Skywarn nets for severe weather alerts on July 16 and 20. Attended SEKYARC Club Meeting on July 9 and participated in net control training after the meeting led by Joe Warren, KB9LXH. |
| Madison County: | KO4OL | 20 | <p>This reports includes the Wilderness Trail Emergency Net (WTEN)which meets Wednesdays at 2030 edt on 146.715 and also serves Madison and surrounding counties.The Madison County ARES net was activated for a series of Severe Thunderstoms in Madison County on July 20 from 1623-1925. There were numerous reports of heavy rain, hail ranging from pea size to ping pong ball size, numerous trees down and sporadic power outages mainly at individual's houses. Net was activated by KO4OL at 1623 and relieved by KM4KGN at 1730 for the remainder of the net. The net began on the normal ARES repeater of 146.865 and moved to 145.37 because of problems with the 146.865 which has a antenna problem scheduled to be replaced by the end of July. Those participating in the net were:</p> <p>KO4OL/NCS,KM4KGN/NCS,KB9LXH, W4ZXT, KE4JXD, KG4KFH, KG4ZXN, KA3WOD, KJ4AOM, KY4SGM, KY4OZ, KI4WKN, AJ4A, KK4Nzt, KG4YBN KI4NEC.The antenna was replaced on the EOC repeater, 146.865 on Friday July 27 and is fully operational. Water was found in the jumper to the antenna and internal connectors were found to be corroded.</p> |