

**CLUB OFFICERS**

President:     Mike Brannock, KG4IES  
V. President: Todd Rose, KE4YAH  
Secretary:    Paul Harrington III, KB4ENQ  
Treasurer:    Steve McFadden, KA4TJD

Trustee for KY4WC    Jerry Mueller, KC4WZO

**COMMITTEE CHAIRMAN**

Program:             Steve McFadden, KA4TJD  
Emergency:          Jerry Mueller, KC4WZO  
                           Drew Chandler, KI4TFI  
Field Day:            Paul Harrington III, KB4ENQ  
Web Site:             Jerry Mueller, KC4WZO  
Net Control:         Paul Harrington III, KB4ENQ  
Repeater:            Steve McFadden, KA4TJD  
News Letter:         Paul Harrington III, KB4ENQ  
Fund Raising:        Todd Rose, KE4YAH  
Adopt-a-Highway:    Paul Harrington III, KB4ENQ

The Woodford County Amateur Radio Club meets on the first Wednesday of each month at 7:00 p.m., at the Versailles Fire Station #2 on Big Sink Pike ( 38°3'34" N 84°43'11" W ). Anyone interested in Amateur Radio is cordially invited.

The Club holds an ARES practice net Thursday evenings at 8:00 p.m. Nets are held on the 145.330 repeater.

The Woodford County Amateur Radio Club Home Page is located on the internet at <http://www.ky4wc.org>. The Club receives e-mail at [ky4wc@ky4wc.org](mailto:ky4wc@ky4wc.org). E-mail may be sent to the membership by sending a message to [maillist@ky4wc.org](mailto:maillist@ky4wc.org).

## W.C.A.R.C. Dues Are Due!

Dues are \$15.00 for individual members and \$18.00 for member families. Please bring dues to the January meeting or mail them to W.C.A.R.C, c/o Paul Harrington III, 108 South Hill Rd., Versailles, Ky, 40383.

## Congratulations to the 2010 Board Members!

President: Mike Brannock, KG4IES  
Vice President: Todd Rose, KE4YAH  
Secretary: Paul Harrington III, KB4ENQ  
Treasurer: Steve McFadden, KA4TJD

## Thank You!

To all club members who came out to make the Christmas Parade, and December pot luck meeting a big success! Also: Welcome to all of our visitors at the December meeting.

## January Program: RF Safety Part 1

The January program will be a video recorded at the Dayton Hamvention. This forum covers the effect of RF energy on the body, and how exposure levels are set.

The December 2<sup>nd</sup> meeting was called to order by the Club President, Mike Brannock, KG4IES at 6:45 p.m.

Minutes: Rob Hutchinson, KI40DT, seconded a motion made by Steve McFadden, KA4TJD, that the minutes of the November meeting be accepted as published. The motion carried.

Treasurer's Report: Steve McFadden, KA4TJD, reported that there was no account activity over the last month, resulting in a final balance of \$\$\$\$\$.\$.

Old Business: Discussion revolved around the upcoming events, the parade scheduled for Saturday, September 4th, and the Pancake Breakfast of the same day.

New Business: Nominations for officers was briefly reopened, however none were forthcoming. Steve McFadden, KA4TJD, seconded a motion made by Rob Hutchinson, KI40DT, that the nominees be accepted without a vote. The motion carried.

The meeting was adjourned at 7:03 p.m. The Club annual Christmas feast followed.

#### Attendance:

Name:	Call:	Member:
Steve McFadden	KA4TJD	Y
Diane McFadden		
Todd Rose	KE4YAH	Y
Lee Ann Rose		
Drew Chandler	KI4TFI	Y
Diana Chandler		
Andrea Chandler		
Hannah Chandler		
Paul Harrington III	KB4ENQ	Y
Debbie Harrington	KEGGNX	Y
James Harrington	KF4LRK	Y
Mike Brannock	KG4IES	Y
Rob Hutchinson	KI40DT	Y
Don Drury	KD4UBF	Y
Jim Hughs	K4ZPL	Y
Wade Johnson		
P. J. Johnson		
Kieth Slugantz		
Cheryl Slugantz		

Visit one of you local Hamfests this year.  
See a list of Hamfests and Exam dates on the last page.

#### From the ARRL Newsletter:

Amateur Radio Bill Passes Senate, Moves to the House

On Monday, December 14, S 1755 -- The Amateur Radio Emergency Communications Enhancement Act of 2009 -- passed the Senate by unanimous

Net Report: 12/03/09 See the member data page for a list of local nets.

12/10/09	12/17/09	KB4ENQ	KE4GNX
KB4ENQ	KB4ENQ	KF4LRK	KI4TLW
KE4GNX	K4HOD	KG4VAR	KE400I
KF4LRK	AJ4LS	KE4LZP	KE4STM
KY40Z	KF4LRK	KI4TLY	KE4GNX
KE400I	KE4GNX	KA4TJD	KI40JG
KI40JG	KI40JG	KI40JG	KD4UBF
KI4TLW	N6BX	KA4TJD	N6BX
KF4DSS	KJ4IKN	KI40JG	KJ4IKN
AJ4LS	WA4PCS	KI40JG	WA4PCS
N6BX		KI40JG	
W2IF	Net was	KD4UBF	
WA4PCS	not	N6BX	
KI4TLY	called	KJ4IKN	
	12/24/09	WA4PCS	

#### From the ARRL Newsletter:

consent; the bill now goes to the House of Representatives for consideration. Sponsored by Senator Joe Lieberman (ID-CT), and Senator Susan Collins (R-ME), S 1755, if passed, would direct the Department of Homeland Security (DHS) to undertake a study on emergency communications. S 1755 points out that "There is a strong Federal interest in the effective performance of Amateur Radio Service stations, and that performance must be given -- (A) support at all levels of government; and (B) protection against unreasonable regulation and impediments to the provision of the valuable communications provided by such stations."

Members of the Senate Homeland Security and Governmental Affairs Committee considered S 1755 on December 10. After it passed through Committee, it was placed on the Senate's calendar to be voted on. "We are grateful to Committee Chairman Lieberman and Ranking Member Collins for sponsoring the bill and arranging for its swift consideration and passage by the Senate," said ARRL Chief Executive Officer David Sumner, K1ZZ.

Similar in language to HR 2160 (also called The Amateur Radio Emergency Communications Enhancement Act of 2009 that was introduced this past April by Representative Sheila Jackson-Lee [D-TX-18]), S 1755 calls on DHS to undertake a study on the uses and capabilities of Amateur Radio Service communications in emergencies and disaster relief and then to submit a report to Congress no more than 180 days after the bill becomes law. The study shall:

\* Include a review of the importance of Amateur Radio emergency communications in furtherance of homeland security missions relating to disasters, severe weather and other threats to lives and property in the United

From the ARRL Newsletter:

States, as well as recommendations for enhancements in the voluntary deployment of Amateur Radio licensees in disaster and emergency communications and disaster relief efforts and improved integration of Amateur Radio operators in planning and furtherance of the Department of Homeland Security initiatives.

\* Identify impediments to enhanced Amateur Radio Service communications, such as the effects of unreasonable or unnecessary private land use regulations on residential antenna installations; and make recommendations regarding such impediments for consideration by other federal departments, agencies and Congress.

In conducting the study, S 1755 directs the Secretary of Homeland Security to "utilize the expertise of stakeholder entities and organizations, including the Amateur Radio, emergency response and disaster communications communities."

S 1755 makes note of the fact that Section 1 of the Joint Resolution entitled Joint Resolution to Recognize the Achievements of Radio Amateurs, and To Establish Support for Such Amateurs as National Policy -- approved October 22, 1994 (Public Law 103-408) -- included a finding that stated: "Reasonable accommodation should be made for the effective operation of Amateur Radio from residences, private vehicles and public areas, and the regulation at all levels of government should facilitate and encourage amateur radio operations as a public benefit." The bill also pointed out that Section 1805(c) of the Homeland Security Act of 2002 (6 U.S.C. 757(c)) directs the Regional Emergency Communications Coordinating Working Group of the Department of Homeland Security to coordinate their activities with ham and Amateur Radio operators among the 11 other emergency organizations, such as ambulance services, law enforcement and others.

#### Hams Help Out with Sea Rescue

When Dave Nicholson, N2AWE, was stranded at sea earlier this month off the Bermuda Triangle, he had no fuel and his 47 foot sailboat had sustained severe damage in a storm. When they learned of his predicament, hams with the Maritime Mobile Service Net (MMSN) helped to coordinate with the US Coast Guard to bring fuel and a tow boat to guide Nicholson safely to port.

On December 1, Nicholson contacted the MMSN seeking weather information, telling the Net Control Station he had sustained damage to his

boat during some foul weather the previous night. "His sails were damaged beyond usability, a fuel tank had busted loose and numerous other problems were at hand, including the remaining fuel had been contaminated," Richard Webb, NF5B, told the ARRL. "The net provided him with weather guidance and forecasts for his part of the world -- between Bermuda and the Bahamas -- and he went on his way."

Nicholson again contacted the MMSN each day on the next two days. On December 3, he asked for some weather routing, not just a forecast. "I then ran a phone patch to a recognized weather router in Florida for him," Webb recounted. "We also queried him as to his status, food and water availability and such. He told us his wife, who was with him, was a bit battered and bruised during the storm [that damaged their boat]." The next day, the MMSN arranged for Herb Hilgenberg, VE3LML, a marine weather router, to be on frequency to offer assistance to Nicholson.

Bill Sturridge, KI4MMZ, telephoned Fred Moore, W3ZU, asking for Moore to come on 40 meters to assist with getting the Coast Guard in touch with Nicholson. "We made several phone patches between the US Coast Guard in Miami and Nicholson," Moore said. "We also established a radio watch to maintain regular communications with the vessel until the band went long, due to the fact that Nicholson was too near Florida." Coast Guard officials spoke with Nicholson, but he still was not ready to declare an emergency. "He just wanted to make the Coast Guard aware of his situation," Moore said.

According to Moore, the Coast Guard asked him to maintain a watch on 2182 kHz until shorter skip returned the next day. "Over Saturday evening, the Coast Guard attempted to have a vessel rendezvous with Nicholson to transfer some fuel, but Nicholson refused to take any fuel, as he wasn't sure if he could store it or utilize it at this point," Webb said. "On Sunday afternoon around 1700 UTC, I conducted a phone patch to the Coast Guard from Nicholson. During this patch, we discussed possible fuel deliveries. The Coast Guard said they would put out a request for nearby commercial vessels to provide some diesel fuel for Nicholson."

Webb said that Nicholson "could only rely on a solar panel to charge his batteries to operate his radio equipment and what other electronics had survived [the storm]. He had no autopilot, no navigational computer, no Winlink or other capability. He had the ham bands and the VHF marine channel 16 available, but with limited battery power." See next page

Because of Nicholson's precarious situation, Webb said that MMSN decided to "guard on 40 and 80 meters for the nighttime hours and we arranged with operators to guard those frequencies. Nicholson did not make any of the nighttime schedules, which followed the regular two hour pattern set up over the previous days. Even if Dave did not make the other daytime schedules, he always made the 1700-1800 time slot on 14300 kHz to get the weather and update us on his position."

On December 7, Webb conducted another phone patch between the Coast Guard and Nicholson. The Coast Guard said they would send out another message for vessels to assist with a fuel delivery. "Later that afternoon," Webb told the ARRL, "we relayed a message to Nicholson from the Coast Guard that a tanker would endeavor to rendezvous with him to transfer some diesel fuel."

Moore said that the Coast Guard had located a Swedish commercial merchant ship that was willing to provide Nicholson some much needed diesel fuel. "In the wee hours of the morning," he said, "the captain of the commercial vessel advised me that he had delivered the fuel but the engine on Nicholson's boat was not functioning, was dead in the water without lights and was, in his words, a 'hazard to navigation.'" Webb relayed that the commercial vessel's captain had advised Nicholson to "abandon [the boat] and turn in a claim to the insurance carrier right away." Later that day, the Coast Guard located a seagoing tug to go on site and meet up with Nicholson. The tug then towed his family and boat to Nassau, arriving 36 hours later, around 2000 UTC.

Steve Carpenter, K9UA, told the ARRL that he kept Nicholson's father informed of the rescue via landline, per Nicholson's request: "The father -- who is 88 years young -- was very thankful for all the effort taken by the ham radio operators involved and for the time it took to keep him informed until the final report that his son and family aboard were taken into port safe and sound."

#### Students and Teachers Invited to "Fly a File" on ARISSat-1

On February 3, 2006, cosmonaut Valery Ivanovich Tokarev hand-launched the Amateur Radio satellite SuitSat-1 from the International Space Station during an extra vehicular activity (EVA), NASA's term for a spacewalk. A discarded Russian ORLAN spacesuit, SuitSat-1 was equipped with an Amateur Radio transmitter that transmitted telemetry and greetings from youngsters to the youth of the world in several languages. In 2010, an Amateur Radio satellite --

ARISSat-1 -- will once again be hand launched from the ISS. Like its predecessor, ARISSat-1 will transmit messages recorded by students, and teachers and students are invited to "fly a file" aboard this Amateur Radio satellite.

"The ARISSat-1 Team wishes to include a memory stick of files prepared by students on our new satellite," explained Amateur Radio on the International Space Station (ARISS) International Chairman Gaston Bertels, ON4WF. "This should be a .jpg or a PDF of things the student has prepared." He gave such examples as a paper or a study done on a STEM (science, technology, engineering, math) topic, a drawing of spacecraft or a schematic, a journal kept on a STEM topic, a story or news article about a STEM subject or a photo of the class doing a hands-on STEM activity. "Having the students' work be a part of ARISSat-1 means the student is a part of the satellite project and along for the spacewalk and deployment of ARISSat-1."

Dave Jordan, AA4KN, will take delivery of these files via e-mail and copy them onto a memory stick and make them available on the Web for anyone to see, Bertels said. "The quantity of files and the size of a file are unlimited, since memory sticks provide for a very large amount of file space." Bertels said that files must be either in .jpg or PDF format -- no Microsoft Word documents will be accepted. Jordan will ensure that the material sent in is appropriate for students. Files can be in any language, as long as an English translation is also included as a text file.

#### Amateur Radio in Space: First Chinese Amateur Radio Satellite Now in Space

AMSAT China (CAMSAT) reports that at around 0230 UTC on December 15, China launched its first Amateur Radio satellite -- named XW-1 -- into space. The microsatellite -- a secondary payload aboard the CZ-4C rocket launched from the Taiyuan Satellite Launch Center -- was launched into a Sun-synchronous orbit with an apogee of approximately 1200 kilometers. XW-1 successfully reached orbit at 0253 UTC. Members of the XW-1 launch team reported they received a beacon from the satellite shortly after the satellite deployed. In the first few days, the XW-1 team will work on the satellite's FM and store-forward transponder mode and its linear transponder mode. Once those tests are complete, they will upload a new flight program to set up the payload schedule. The satellite's communications payload includes a beacon and three crossband transponders operating in FM, SSB/CW and digital modes. Uplink and downlink frequencies can be found on the CAMSAT Web site.

## Upcoming Exams: Exams listed are within 100

miles of Woodford  
County

02-Jan-2010  
Sponsor: CINCINNATI REPEATER ASSOC INC  
Time: 8:30 AM (Walk-ins ok)  
Contact: DALE W PRITCHETT (513)769-0789  
Email: KC8HJL@ARRL.NET  
VEC: ARRL/VEC  
Location: HARTWELL PRESBYTERIAN CHURCH  
210 PARKWAY AVE  
INTERSECTION PARKWAY/WOODBINE  
NEAR VINE/GALBRAITH & I-75  
CINCINNATI, OH 45216

09-Jan-2010  
Sponsor: UNSPONSORED  
Time: 11:30AM (Walk-ins ok)  
Contact: NICHOLAS C KLINGER (812)522-6570  
Email: KC9JOY@GMAIL.COM  
VEC: ARRL/VEC  
Location: JACKSON COUNTY LIBRARY - ROOM #1  
303 W 2ND ST  
SEYMOUR, IN 47274

10-Jan-2010  
Sponsor: THOROUGHbred DX GROUP  
Time: 1:30PM (Walk-ins ok)  
Contact: MARGUERITE WILLIAMS (859)245-2140  
Email: KE4MAJ@ARRL.NET  
VEC: Western Carolinas ARS VEC  
Location: RED CROSS BLDG, CR B  
1450 NEWTOWN PIKE  
AT GRIFFITH GATE BLVD  
HTTP://WWW.LEXKYWCARS.ORG/  
LEXINGTON, KY 40511

11-Jan-2010  
Sponsor: NKARC  
Time: 6:00 PM (No walk-ins)  
Contact: LYLE H HAMILTON (513)315-4032  
Email: AB8SH@ARRL.NET  
VEC: ARRL/VEC  
Location: HILLTOP CHURCH OF CHRIST  
5300 TAYLOR MILL RD  
REG REQUIRED-3 DAYS PRIOR  
TAYLOR MILL, KY 41015

16-Jan-2010  
Sponsor: RCARC  
Time: 10:00AM (Walk-ins ok)  
Contact: DELBERT M FELIX (812)689-3161  
WY9L.THEBIGDOG@GMAIL.COM  
VEC: ARRL/VEC  
Location: TYSON LIBRARY  
325 TYSON ST  
TALK-IN:441.775  
TALK-IN:147.52 SIMPLEX  
VERSAILLES, IN 47042

06-Feb-2010  
Sponsor: W4XXL VOLUNTEER EXAMINERS  
Time: 10:00AM (Walk-ins ok)  
Contact: DAN R SCHRYVER (859)536-9091  
Email: W4XXL@ARRL.NET  
VEC: W5YI VEC  
Location: TANBARK HEALTH CARE CENTER  
1121 TANBARK RD  
WWW.W4XXL.COM  
LEXINGTON, KY 40515

06-Feb-2010  
Sponsor: CINCINNATI REPEATER ASSOC INC  
Time: 8:30 AM (Walk-ins ok)  
Contact: DALE W PRITCHETT (513)769-0789  
Email: KC8HJL@ARRL.NET  
VEC: ARRL/VEC  
Location: HARTWELL PRESBYTERIAN CHURCH  
210 PARKWAY AVE  
INTERSECTION PARKWAY/WOODBINE  
NEAR VINE/GALBRAITH & I-75  
CINCINNATI, OH 45216

08-Feb-2010  
Sponsor: NKARC  
Time: 6:00 PM (No walk-ins)  
Contact: LYLE H HAMILTON (513)315-4032  
Email: AB8SH@ARRL.NET  
VEC: ARRL/VEC  
Location: HILLTOP CHURCH OF CHRIST  
5300 TAYLOR MILL RD  
REG REQUIRED-3 DAYS PRIOR  
TAYLOR MILL, KY 41015

13-Feb-2010  
Sponsor: BLUEGRASS AR SOCIETY  
Time: 10:00AM (Walk-ins ok)  
Contact: FERNIE D WILLIAMS (859)245-2140  
Email: KE4MAI@ARRL.NET  
VEC: ARRL/VEC  
Location: RED CROSS BUILDING  
1450 NEWTOWN PIKE  
AT GRIFFIN GATE BLVD  
HTTP://WWW.BLUEGRASSARS.ORG  
LEXINGTON, KY 40511

## Upcoming Hamfests:

6 Mar 2010  
Mammoth Cave ARC  
http://www.geocities.com/ky4x2000  
Talk-In: 146.34/94  
Contact: Larry Brumett, KN4IV  
108 Withers Drive  
Glasgow, KY 42141  
Phone: 270-651-2363  
Email: lbrumett@glasgow-ky.com  
Cave City, KY  
Cave City Convention Center  
502 Mammoth Cave Street

3 Apr 2010  
Lincoln Trail Amateur Radio Club  
http://www.qls.net/ltarc/index.html  
Talk-In: 146.980  
Contact: William Madison, KD4RMY  
352 Meadowview Drive  
Elizabethtown, KY 42701  
Phone: 270-360-1478 or 270-300-4030  
Fax: 270-360-1478 (please call first)  
Email: williammadison@windstream.net  
Elizabethtown, KY  
State Fire Rescue Training Area 5  
630 College Street Road  
Div: Great Lakes

The Dayton Hamvention will be held May 14, 15 and 16 2010. Visit [www.hamvention.com](http://www.hamvention.com) for more information.

19 Jun 2010  
Milford Amateur Radio Club  
http://www.w8mrc.com  
Talk-In: 147.345+ (no tone)  
Contact: Jim Linn, WB8RRR  
5110 Romohr Road  
Cincinnati, OH 45244-1023  
Phone: 513-831-6255  
Fax: 513-528-7270  
Email: wb8rrrr@arrl.net  
Milford, OH  
Eastside Christian Church  
5874 Montclair Blvd.  
Div: Great Lakes  
Sect: Ohio

21 Aug 2010  
3rd Annual Tailgators Hamfest  
Ripley County Amateur Radio Club  
http://www.441775.com  
Talk-In: 441.775+ & 147.52 simplex  
Contact: Delbert Felix, WY9L  
114 Harlan Street  
Osgood, IN 47037  
Phone: 812-689-3161  
Email: wy9l.thebigdog@gmail.com  
Osgood, IN  
Ripley County 4-H Fairgrounds  
524 Beech Street  
Div: Central  
Sect: Indiana

11 Sep 2010  
Greater Louisville Hamfest 50  
Greater Louisville Hamfest Association  
http://LouisvilleHamfest.com  
Talk-In: 146.700 MHz (PL 79.7)  
Contact: Bob Myers, K4RVM  
PO Box 34444  
Louisville, KY 40232-4444  
Phone: 502-935-6710  
Email: GLHA50@LouisvilleHamfest.com  
Paroquet Springs Conference Centre  
395 Paroquet Springs Drive  
Div: Great Lakes  
Sect: Kentucky

18 Sep 2010  
Central Kentucky Amateur Radio Society  
http://www.qls.net/ckars/hamfest  
Talk-In: 145.370 (PL 192.8)  
Contact: Mike Rogers, KE4ISW  
144 Allen Douglas Drive  
Richmond, KY 40475  
Phone: 859-624-9156  
Email: ke4isw@arrl.net  
Richmond, KY  
Madison County Fairgrounds  
3237 Old KY 52  
Div: Great Lakes  
Sect: Kentucky

New Years Resolution:  
Finish at least one, unfinished amateur radio project,

## Local Club Meetings:

Jessamine Amateur Wireless Society ( Nicholasville )  
Meetings are the second Monday each month at 7:00 p.m. Location is the Corman Building behind City Hall on Main Street. Talk-in, and information on the 145.490 (-600) and 444.975 repeaters.

Capital ARS: Regular meeting dates are the first Thursday of the month, at 7:30 pm, at the Frankfort Boone National Guard Center, Emergency Operation Center or Communications Center, off Highway 127, the Frankfort West Plaza Connector. A photo ID is required to enter thru the guarded entrance.  
Contact: PATRICK K COMPTON, KF4FMZ Phone: (502) 607-1617 (D) (502) 454-8282 (N) Web: <http://www.ky4eoc.com> E-mail: [ky4eoc@ky4eoc.com](mailto:ky4eoc@ky4eoc.com)

Anderson County meets every 2<sup>nd</sup> Monday of the month.  
7:00 p.m. at the Anderson County EMS Building, 1191 Bypass South, next to the Ford dealership.

Bluegrass Amateur Radio Society The regular meeting of the Bluegrass Amateur Radio Society, Inc., will be held every first Monday, 7:30 p.m. at 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 a.m. in the EOC ( lower level o Fire Station ), 2200 Cincinnati Pike ( intersection of U.S. 25 N and Delaplain Road ). Check in to their weekly simplex net Tuesdays at 9:00 p.m. on 147.490.

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

Pioneer ARC ( Winchester ), Fourth Tuesday each month Golden Corral Restaurant at 7:30 p.m. Talk-in, and info on the 147.120 repeater.