

CLUB OFFICERS

COMMITTEE CHAIRMAN

President:	Mike Brannock, KG4IES	Program:	Steve McFadden, KA4TJD
V. President:	Mark Currens, KI40JG	Emergency:	Jerry Mueller, KC4WZO
Secretary:	Paul Harrington III, KB4ENQ	Field Day:	Paul Harrington III, KB4ENQ
Treasurer:	Steve McFadden, KA4TJD	Web Site:	Jerry Mueller, KC4WZO
Trustee for KY4WC	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.

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).

## The July WCARC Meeting Will Be Held At Fire Station #2 On Big Sink Pike

The field trip to the UK Ham Shack has not been finalized. We plan to reschedule this event for the August meeting.

## Door Prize To Be Awarded At The July Meeting

Attend the July meeting to be eligible for the door prize to be drawn at the meeting.

From the ARRL Newsletter:

==> GERMAN HAM CLAIMS FIRST DXCC ON 432 MHZ

The world of Amateur Radio DXing has passed a new milestone: On Friday, June 6, Jan Bruinier, DL9KR, of Niedernhausen, Germany, worked his 100th country on 432 MHz (70 cm) via moonbounce (EME) and CW.

Samek Zdenek, OK1DFC, and Hofbauer Zdenek, OK3RM, were getting ready to go on an EME DXpedition to Macedonia. Before they left, Samek asked Bruinier to help test out the equipment; Bruinier gave him a beacon,

aiming a signal off the moon. According to VHF guru and conductor of QST's "World Above 50 MHz" column Gene Zimmerman, W3ZZ, this is done by transmitting a series of CW dashes and then stopping to listen for the signal to return a little more than a second later. The moon averages 384,000 km from the Earth; radio waves travel at ~300,000 km/sec.

After one of these transmissions, Bruinier was excited to hear Samek appear on frequency with a 549 signal. Thus, after an exchange of calls and reports,

Thank You to the DoubleTree Guest Suites of Lexington, 2601 Richmond Rd., for duplication of this month's Newsletter

## Minutes of the June, 4<sup>th</sup> 2008 Meeting

The meeting was called to order at 7:20 by the President, Mike Brannock, KG4IES.

The minutes of the last meeting: Rob Hutchinson, KI4ODT, seconded a motion made by Jerry Hatchett, N8NZF, that the minutes be accepted. The motion carried.

Treasurer's Report: The opening balance was \$\$\$\$.\$\$. The month's transactions consisted of \$\$\$.\$\$ for postage. The resulting final balance was \$\$\$\$.\$\$. Rob Hutchinson, KI4ODT, seconded a motion made by Todd Rose, KE4YAH that the report be accepted. The motion carried.

Newsletter: Members are encouraged to offer material and suggestions for the Newsletter. Thanks to the members who have volunteered to receive the Newsletter via e-mail.

If you wish to receive the Newsletter by e-mail, please contact Paul Harrington III, KB4ENQ.

Adopt-A-Highway: Due to the complexity of the June Schedule, further Adopt-A-Highway events will be discussed at the July meeting.

Program: Steve McFadden, KA4TJD, discussed a possible July meeting to be held at the University of Kentucky, Ham Shack. While there we would receive an update on the KySat program and a demonstration of their satellite tracking system.

Late program note: The field trip to the UK Ham Shack has not been finalized. The July meeting will take place in the regular meeting place.

In a year you will have swallowed 14 insects - while you slept!

Emergency: MRC/CERT graduated 7 new team members in April. Additional class sessions are forming and require 10 members to start. The MRC team lead phone numbers have been programmed into the telephone system automatic message system.

Old Business: The June schedule of events were discussed.

June 14<sup>th</sup>, parade setup starting at 10:30 a.m. at the High School. The event should last until around noon.

June 17<sup>th</sup>, ticket sales for the County Fair starting at 5:00 p.m. at the County Park. The event should last until around 9:30 p.m. The evening will be "Kids Night" and ticket prices are reduced to \$8.00

June 28<sup>th</sup>, Field Day starting at noon. Discussion revolved around setup and necessary equipment.

New Business: The Club was pleased to have our repeater equipment utilized during biking events that passed through Woodford Count during the month of May.

Steve McFadden, KA4TJD, seconded a motion made by Todd Rose, KE4YAH, that the meeting be adjourned. The motion carried at 8:23.

Attendance:	Jim Hughes	K4ZPL
	Paul Harrington III	KB4ENQ
	Todd Rose	KE4YAH
	Steve McFadden	KA4TJD
	George L. Rice	KC4YUI
	Mark Currens	KI40JG
	Mike Brannock	KG4IES
	Jerry Hatchett	N8NZF
	Rob Hutchinson	KI4ODT
Drew Chandler	KI4TFI	

Welcome to our visitor at the June meeting, George Rice, KC4YUI.

Net Report: 06/12/08 06/19/08  
 06/05/08 KB4ENQ KE4AIE  
 KB4ENQ KD4GNX KB4ENQ  
 KF4LRK KF40AS KA4TJD  
 KE4GNX W4XXL KE4LZP  
 AJ4BC KI40DT KE4GNX  
 KE4AIE KE400I KF4YRK  
 KI40DT KI40JG  
 KE4AIE 06/26/08  
 KE4GNX KB4ENQ  
 KG4LXR KE4GNX  
 N4WCQ KF4LRK  
 KA4TJD  
 WA4PCS  
 KE4LZP

From the ARRL  
 Newsletter:  
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Bruinier's 100th country on 432 MHz was in the log. Once his QSL cards are confirmed in the near future, he will become DXCC #1 on 70 cm.

Bruinier's 70 cm EME operations began in 1977. He had followed the exploits of the early EME pioneers in QST, operators like KH6UK, W4HHK, W3GKP and W1FZJ who was conductor of the "World Above 50 Mc" during much of the 1960s. Jan and his family moved to a semirural location in Germany in 1976 where he could put up decent VHF antennas. Working initially on his own, he built an array of 16 ten-element quagis (antennas with single quad loop driven elements and reflectors and 8 Yagi directors) following the design described in QST by Wayne Overbeck, K6YNB (now N6NB). After a few false starts with other tubes, he obtained an Eimac 8938 and built a near-legal limit amplifier. The station exciter was a set of Drake twins as an IF strip using homebrew transverters with an increasingly sensitive group of GaAsFET preamplifiers, always working at the state-of-the-art.

As time progressed, Bruinier built a bigger amplifier capable of running 1500 W continuously to deal with the high duty cycle found in EME operation -- long, slow CW with two minute transmissions at a time -- and receiver systems that yielded noise temperatures of 60 kelvins that could detect 7 dB of noise when he pointed his array into the ground. He eventually transitioned from the quagis

to an array of DL6WU design Yagis fed with 1-5/8 inch Heliax, currently having a gain of 28.4 dBd. For comparison, this is slightly more gain than the 28 foot Kennedy parabolic dish has at 432 MHz.

According to Zimmerman, the range of contacts covered by the 70 cm band is less than 1000 km; even under the most enhanced conditions, it is less than double that. "To work the 100 entities needed for DXCC, EME communications are essential. EME is the most demanding form of operation there is in Amateur Radio," he said. "Every single aspect of the station must be optimized: The equipment, the antennas, the feed lines and most particularly, the talent of the operator. Even 1 dB may make the difference between a contact and no contact. Bruinier's achievement was accomplished the old fashioned way -- by dint of hard work, excellent equipment, big antennas and many, many hours on the air looking for new countries and not missing many, if any, DXpeditions to the many countries where there is no 432 MHz EME activity."

Bruinier told Zimmerman that many people going to many countries on all continents made this award possible: The Five Bells Group, the Yota Sawe Group, Michale Kohla, DL1YMK, and Monica; Bernd Mischlewski, DF2ZC; Mark De Munck, ON5FF (now EA8FF); Bernhard Dobler, DJ5MN; Mart Sakalov, SM0ERR; Dimitris Vittorakis, SV1BTR; Gudmund Wannberg, SM2BYA; Frank Hobelmann, DL8YHR; Joachim Werner, DL9MS, and Allen Katz, K2UYH, among others, as well as groups from Russia, Spain, France and Denmark.

If you would like to read more details about Bruinier's career as an EMEer, please look for his story in his own words in the "World Above 50 MHz" column in the September 2008 issue of QST.

==> WORLD AMATEUR RADIO DIRECTION FINDING (ARDF) CHAMPIONSHIPS FAST APPROACHING

Have you ever thought about competing on the world stage? ARRL Amateur Radio Direction Finding (ARDF) Coordinator Joe Moell, K00V, reports that there are some

openings available to compete for the USA this September at the ARDF World Championships in Korea. "All of this year's USA gold medalists plus those from last year and other competitors who did well have been offered positions on ARDF Team USA for the 14th ARDF World Championships," he said. "Many are unable to go this year for a variety of reasons, so at this time there is at least one opening remaining in every category except M50 (males age 50-59). This makes it possible for relatively inexperienced radio-orienteers to join the team. It is also possible to attend as a non-competing visitor, but all visitors must be listed on the national team roster."

Moell notes that those interested in traveling to the 2008 ARDF World Championships as a member of Team USA (or a USA visitor), to please contact him immediately via e-mail <homingin@aol.com>. Do not contact the Korean organizers directly. If you have not been on Team USA before, please include your full name, call sign, mailing address, home phone number and date of birth in your e-mail. If you wish to participate as a citizen of another North or South American country (non-USA), please e-mail IARU Region 2 ARDF Coordinator Dale Hunt, WB6BYU <wb6byu@arrl.net>. Canadians should also contact RAC ARDF Coordinator Joe Young, VE7BFK <ve7bfk@rac.ca>.

To be safe at the World Championships, Moell said participants must be capable of solo navigating with a map and compass in the forest for several miles. IARU rules limit Team USA membership to US citizens and legal residents. Each member is responsible for his or her own travel arrangements and entry fees. For more information, go to the Championship Foxhunting News page of Moell's Web site <<http://www.homingin.com/farsnews.html#korea>> where prospective participants can get team status reports and download the latest bulletins from the organizers.

Moell also reports that he is looking for hosts and organizers for 2009 ARDF events. "USA ARDF Championships have taken place in New Mexico, Georgia, Ohio, California, North Carolina and Texas so

far. Almost every state has an area of forest that is suitable for the sport. Excellent orienteering maps may already be available, because there are US Orienteering Federation clubs in 40 states. Besides maps, these clubs can assist with scoring systems, flags, site acquisition, insurance and so forth," he said.

"Don't worry too much about the transmitters," said Moell. "There are plenty available for loan from active groups. Instead, concentrate on the site and the hospitality aspects, such as where people will stay, what they will eat and how they will get from place to place. If your club or ham group has put on a big hamfest or ARRL convention, you probably have the skills and resources to organize the USA ARDF Championships. The optimum months will be July and August." If you or your club is interested, please contact Moell via e-mail <homingin@aol.com>.

\* ARRL to Close in Observance of Fourth of July: ARRL Headquarters will be closed in observance of Independence Day on Friday, July 4. There will be no WIAW bulletin or code practice transmissions that day. The ARRL Letter and ARRL Audio News will be posted a day early on Thursday, July 3. ARRL Headquarters will reopen Monday, July 7 at 8 AM Eastern Daylight Time. We wish everyone a safe and festive holiday weekend.

\* First Image from CUTE-1.7 +APD II Satellite: The ground control station at the Tokyo Institute of Technology has downloaded the first color image taken by the CUTE-1.7 +APD II Amateur Radio satellite <[http://lss.mes.titech.ac.jp/ssp/cutel.7/ho wtoreceive\\_e.html](http://lss.mes.titech.ac.jp/ssp/cutel.7/ho wtoreceive_e.html)>. The satellite was 620 km above the Earth at 28.905 degrees North and 146.040 degrees East when the image was captured. CUTE-1.7 +APD II was one of several CubeSats carried to orbit this year in April by an Indian PSLV-C9 rocket launched from the Satish Dhawan Space Center <<http://www.arrl.org/news/stories/2008/04/28/10067/?nc=1>>. The satellite transmits packet radio data at 9600 baud at 437.475 MHz. -- Our thanks to Mineo Wakita, JE9PEL, for this story.

Upcoming Exams: Exams listed are within 100 miles of Woodford County

Local Club Meetings:

05-Jul-2008  
Sponsor: CINCINNATI REPEATER ASSOC INC  
Time: 8:30 AM (Walk-ins allowed)  
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

12-Jul-2008  
Sponsor: HARDIN COUNTY TESTERS  
Time: 10:00AM (Walk-ins OK)  
Contact: ARCHIE A MACK (270)351-6159  
Email: AMACK1@BBTEL.COM  
VEC: ARRL/VEC  
Location: HARDIN COUNTY PUBLIC LIBRARY  
NORTH BRANCH  
800 SOUTH LOGSDON PARKWAY  
ACROSS FROM NORTH HARDIN HS  
RADCLIFF, KY 40160

24-Jul-2008  
Sponsor: CENTRAL KENTUCKY ARC  
Time: 8:00PM (Walk-ins allowed)  
Contact: DONALD G MUNSEY (606)871-7497  
Email: AC4DM@HUGHES.NET  
VEC: ARRL/VEC  
Location: RESCUE SQUAD BUILDING  
105 S COLUMBIA AVE  
CAMPBELLSVILLE, KY 42718

Jassamine 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.

13-Jul-2008  
Sponsor: THOROUGHbred DX GROUP

Time: 1:30 PM (Walk-ins allowed)  
Contact: MARGUERITTE E WILLIAMS (859)245-2140  
Email: KE4MAJ@ARRL.NET  
VEC: Western Carolinas ARS VEC  
Location: RED CROSS BLDG - CLASSROOM B  
1450 NEWTOWN PIKE  
AT GRIFFITH GATE BLVD  
HTTP://WWW.LEXKYWCARS.ORG/  
LEXINGTON, KY 40511

25-Jul-2008  
Sponsor: LAKE CUMBERLAND ARA  
Time: 7:00 PM (Walk-ins allowed)  
Contact: NORMAN ARD (606)679-2442  
Location: SOMERSET COMMUNITY COLLEGE  
ROOM B2-204  
SOUTH CAMPUS  
NEAR SOMERSET AIRPORT  
SOMERSET, KY 42501

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)

### Upcoming Hamfests:

12 Jul 2008  
Indianapolis Hamfest Association  
<http://www.indyhamfest.com>  
Talk-In: 146.16/146.76 (No Tone)  
Contact: Bob Blake, N9FIM  
11064 Indian Lake Blvd.  
Indianapolis, IN 46236  
Phone: 317-261-6658  
Email: bob9fim@att.net  
Indianapolis, IN  
Camp Sertoma  
2316 South German Church Rd  
Div: Central  
Sect: Indiana

10 Aug 2008  
Central Kentucky ARRL Hamfest  
Bluegrass Amateur Radio Society  
<http://www.BluegrassARS.org>  
Talk-In: 145.390 or 146.760  
Contact: Jeanie Dalton  
Pugh, KB8QLC  
PO Box 4411  
Lexington, KY 40544-4411  
Phone: 859-619-8164  
Email: kb8qlc@arrl.net  
Lawrenceburg, KY  
American Legion Post #34  
725 West Broadway (US Rt 62)

16-17 Aug 2008  
Southeastern Division Convention  
Huntsville ARC & Huntsville Hamfest Association  
<http://www.hamfest.org>  
Talk-In: 146.940 (No Tone)  
Contact: Charlie Emerson, N4OKL  
8003 Craigmont Road  
Huntsville, AL 35802  
Phone: 256-882-9137  
Fax: 256-882-9137  
Email: [charlieemerson@hamfest.org](mailto:charlieemerson@hamfest.org)  
Huntsville, AL  
Von Braun Center (South Hall)  
700 Monroe Street

Please show your support for Amateur Radio by attending at least one Hamfest this Summer.

14-Jul-2008  
Sponsor: NKARC  
Time: 6:00 PM (No walk-ins)  
Contact: LYLE H HAMILTON (513)315-4032  
Email: AB8SH@ARRL.NET  
Location: HILLTOP CHURCH OF CHRIST  
5300 TAYLOR MILL RD  
TAYLOR MILL, KY 41015

19-Jul-2008  
Sponsor: UNSPONSORED  
Time: 12:00 (Walk-ins allowed)  
Contact: NORMAN L RICHARDS (812)524-8610  
Email: N9EVM59@GMAIL.COM  
Location: JACKSON COUNTY LIBRARY - ROOM #1  
303 W 2ND ST  
SEYMOUR, IN 47274

23 Aug 2008  
First Annual Tailgators' Hamfest  
Ripley County Amateur Radio Club (RCARC)  
<http://www.441775.com>  
Talk-In: 441.775+ (No PL Tone Required)  
Contact: Delbert Felix, WY9L  
114 Harlan Street  
Osgood, IN 47037  
Phone: 812-689-3161  
Email: [w9l.thebigdog@gmail.com](mailto:w9l.thebigdog@gmail.com)  
Osgood, IN  
Ripley County 4-H Fairgrounds  
524 Beech Street  
Div: Central  
Sect: Indiana

02-Aug-2008  
Sponsor: CINCINNATI REPEATER ASSOC INC  
Time: 8:30AM (Walk-ins allowed)  
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

11-Aug-2008  
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  
TAYLOR MILL, KY 41015

23-Aug-2008  
Sponsor: RIPLEY COUNTY ARC (RCARC)  
Time: 8:00AM (Walk-ins allowed)  
Contact: DELBERT M FELIX  
Email: [WY9L.THEBIGDOG@GMAIL.COM](mailto:WY9L.THEBIGDOG@GMAIL.COM)  
VEC: ARRL/VEC  
Location: TALK IN FREQ: 441.775 POS OFFSET. 147.540 SIMPLEX  
RIPLEY COUNTY FAIRGROUNDS  
TAILGATERS HAMFEST  
OSGOOD, IN 47037

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.

Have a Happy  
and Safe 4<sup>th</sup>  
of July!