

### CLUB OFFICERS:

President Mike Brannock, KG4IES  
V. President Jerry Mueller, KC4WZO  
Secretary Paul Harrington III, KB4ENQ  
Treasurer Steve McFadden, KA4TJD  
Trustee for KY4WC Jerry Mueller, KC4WZO

### COMMITTEE CHAIRMAN:

Program Jerry Mueller, KC4WZO  
Emergency Paul Harrington III, KB4ENQ  
Field Day Jerry Mueller, KC4WZO  
Web Site Paul Harrington III, KB4ENQ  
Net Control Steve McFadden, KA4TJD  
Repeater Paul Harrington III, KB4ENQ  
Newsletter 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., in the Versailles Fire Station #2 on Big Sink Pike. Anyone interested in Amateur Radio is cordially invited.

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

## WCARC Members Assist Flood Victims



At 10:37 am on Sunday, September 24, 2006, the Franklin County Chapter of the American Red Cross contacted the Jerry Mueller, KC4WZO, ARES coordinator with the Woodford County Amateur Radio Club, and requested amateur radio operators to help with communications in the Millville flood area. The Red Cross had 3 disaster relief teams in the Millville area and cell phone communications were not reliable. Paul Harrington, KB4ENQ, Rob Hutchinson, KI4ODT, and Jerry Mueller, KC4WZO responded and arrived at the Red Cross Chapter house about noon. There they met Pat Compton, KF4FMZ, from the Capitol Amateur Radio Society and reported in with the Red Cross. The Red Cross decided to send Rob and Pat to Millville to provide communications and to deliver lunches, drinks, and ice. Jerry and Paul stayed at the Red Cross Chapter house to provide net control and a backup operator in case communications help was needed in

another area. Pat and Rob arrived in Millville about 1:15pm, delivering the meals and supplies. They helped to distribute the meals and provided communications until about 4:00pm. After checking out with the Red Cross Pat, Rob, Paul, and Jerry started home about 4:45pm.

de Jerry Mueller, KC4WZO

Pictured above left to right, Jerry Mueller, KC4WZO, Paul Harrington III, KB4ENQ, Paula Rutledge of the Red Cross, Rob Hutchinson, KI4ODT and Pat Compton, KF4FMZ.

**Late Arrivals:** Welcome new members, Tristan Wilson, KI4QQF, and Mark Currens, KI4OJG. Congratulations to Rob Hutchinson on passing the Extra class exam.

## Minutes of September 6<sup>th</sup>, 2006

The Club President, Mike Brannock, KG4IES called the August meeting to order at 7:03p.m. The minutes of the last meeting were reviewed. Jerry Mueller, KC4WZO, seconded a motion made by Steve McFadden, KA4TJD, to accept the minutes as published. The motion carried.

### **Committee Reports:**

**Field Day:** Field Day pins were passed out to the participating members.

**Net Report:** The net continues to be called as scheduled.

8/24/2005	8/31/2006	9/7/2006	9/14/2006	9/21/2006	9/28/2006
KB4ENQ	KB4ENQ	KB4ENQ	KB4ENQ	KB4ENQ	KB4ENQ
KI4MTB	KI4QQF	KI4QQF	KE4AIE	KG4TND	KI4OJG
KE4LZP	KI4OJG	KI4OJG	KE4STM	KI4ODT	KE4STM
KG4TND	KF4LRK	KF4SJI	W4GJW	KI4QQF	KG4TND
KF4LRK	KE4GNX	KE4AIE	AI4LU	WA4PCS	KI4LSG
KI4ODT	KI4LSG	KI4LSG	KF4LRK	KE4STM	KE4OOI
KD4GNX	K4WBS		KE4GNX	KE4GNX	KE4GNX
KC4WZO	KE4STM		KG4TND	KF4LRK	KA4TJD
KE4GNX	KI4ODT		KE4LZP		KI4QQF
KI4QQF	KE4AIE		KI4QQF		KF4JNN
KI4OJG			KI4OJG		KE4LZP
			KI4ODT		KE4AIE
			KA4TJD		WA4PCS

Chart contains currently available net data. The first call sign in each column indicates the net controller for that session.

**Newsletter:** The membership is encouraged to submit articles, or ideas for new items to appear in the newsletter. Changing format and mailing schedule for the Newsletter are still in the works.

**Program:**..Discussion revolved around the circuit problem presented in the August Newsletter. It was noted at that point that an error was made in the text. The original text read: *"The free running frequency varied from 138.3 MHz to 111.0 MHz with C5 at maximum capacity and minimum capacity respectively."* It should have read: *"The free running frequency varied from 138.3 MHz to 111.0 MHz with C5 at **minimum** capacity and **maximum** capacity respectively."*

**Repeater:** The form for ARRL insurance on the repeater systems is filled out and the check for \$159.00 written. The form requires the signature of an ARRL member. ARRL member, Paul Harrington III, KB4ENQ signed the form.

**Adopt-A-Highway:** An Adopt-a-Highway activity is scheduled for October 21<sup>st</sup>, all volunteers should meet at McDonalds at 8:00 a.m. for breakfast.

**Fund Raising:** The Hill Billy Daze is scheduled for September 16<sup>th</sup>. The Club's booth will be in the same location as last year. The drawing will be held at that time. The following items will be included in the raffle.

<b>Prize</b>	<b>Sponsor</b>	<b>Prize</b>	<b>Sponsor</b>
Gas Bar-B-Q Grill	Cables	Oil change / Lube	Valvoline Oil Change
1 night stay/breakfast for two	Sheraton Suites	Oil change / Lube	Jeff Jones
2 large pleaser pizza's	Little Caesars	\$20 DINNER certificate	Sweet Potatoes
\$25 GAS certificate	Queens Chevron	\$15 certificate	Moore's Produce/Meats
Oil change / Lube	Valvoline Oil Change	\$25 Dry Cleaning certificates	Concord Custom Cleaners
		\$20 Movie Rental	Hancock's

All prizes are on hand except for the grill, which should be in next week. As of the meeting time, the drink selection for sale is unknown. An additional ticket sales event prior to HillBilly Daze will be held at Kroger's, Sept 9<sup>th</sup>.

Midway will be moving their event to the fourth weekend next year. They will be offering ten spaces to non-profit organization. The Club will apply for a spot.

**Emergency:** The "Statement of Understanding" has been corrected, signed and sent to the Frankfort office of the American Red Cross.

**Web Site:** \$10.00 fee has been paid to Marshal Network for the web site service.

**New Business:** Steve McFadden, KA4TJD received an e-mail from Melissa Lippert requesting Club representation at a planning session for the holiday parade. The meeting will be held September 11<sup>th</sup>, 5:30 p.m. at the bank building to the north of the Courthouse. The meeting is expected to last about an hour.

Todd Rose, KE4YAH, seconded a motion by Steve McFadden, KA4TJD that the meeting be closed. The motion carried, at 8:20 pm.

**Attendance:**

Mike Brannock	KG4IES	Steve McFadden	KA4TJD
Todd Rose	KE4YAH	Jerry Mueller	KC4WZO
Paul Harrington III	KB4ENQ	Mark Currens	KI4OJG
Drew Chandler	EM	Tristan Wilson	KI4QQF
Rob Hutchinson	KI4ODT	Jim Hughes	K4ZPL

**Upcoming Exams:**

All exams listed are within 100 miles of Woodford County.

08-Oct-2006

Sponsor: RIPLEY COUNTY REPEATER ASSOC  
Time: 2:00 PM (Walk-ins allowed)  
Contact: DEBRA K VIERLING  
(812)934-5853  
Email: DVIERLIN6@VERIZON.NET  
VEC: ARRL/VEC  
Location: OSGOOD FIRE HOUSE  
OSGOOD, IN 47037

08-Oct-2006

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/](http://www.lexkywcars.org/)  
LEXINGTON, KY 40511

09-Oct-2006

Sponsor: NORTHERN KENTUCKY ARC  
Time: 6:00 PM (No walk-ins)  
Contact: LYLE H HAMILTON  
(513)315-4032  
Email: AB8SH@ARRL.NET  
VEC: ARRL/VEC  
Location: TURKEYFOOT MIDDLE SCHOOL  
3230 TURKEYFOOT ROAD  
REGISTER AT LEAST 3 DAYS AHEAD  
MAY ALSO CALL 513-533-5604  
FORT MITCHELL, KY 41047

14-Oct-2006

Sponsor: HARDIN COUNTY TESTERS  
Time: 9:00 AM (Walk-ins allowed)  
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

20-Oct-2006

Sponsor: LAKE CUMBERLAND ARA  
Time: 7:00 PM (Walk-ins allowed)  
Contact: NORMAN ARD  
(606)679-2442  
VEC: ARRL/VEC  
Location: SOMERSET COMM COLLEGE-NORTH  
CAMPUS  
MEECE HALL - ROOM 6  
NEAR SOMERSET AIRPORT  
SOMERSET, KY 42501

04-Nov-2006

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  
CINCINNATI, OH 45216

**Upcoming Exams** continued:

11-Nov-2006

Sponsor: BLUEGRASS AR SOCIETY

Time: 10:00AM (Walk-ins allowed)

Contact: FERNIE D WILLIAMS

(859)245-2140

Email: KE4MAI@ARRL.NET

VEC: ARRL/VEC

Location: RED CROSS BUILDING-CLASSROOM B

1450 NEWTOWN PIKE

AT GRIFFIN GATE BLVD

HTTP://WWW.BLUEGRASSARS.ORG

LEXINGTON, KY 40511

11-Nov-2006

Sponsor: OH- KY- IN ARS

Time: 12 NOON (Walk-ins allowed)

Contact: BRIAN C DE YOUNG

(859)635-3095

Email: K4BRI@ARRL.NET

VEC: ARRL/VEC

Location: SALEM PRESBYTERIAN CHURCH

3132 MOZART AVE

CORNER MOZART & HIGBEE

CHEVIOT/WESTERN HILLS AREA

CINCINNATI, OH 45202

11-Nov-2006

Sponsor: BUTLER COUNTY VHF ASSOCIATION

Time: 8:30 AM (Walk-ins allowed)

Contact: THEODORE WILSON

(513)868-7012

VEC: ARRL/VEC

Location: BUTLER TECH VOCATIONAL SCHOOL

3603 HAMILTON MIDDLETOWN RD

BUTLER COUNTY

TALK-IN 146.97 PL 118.8

HAMILTON, OH 45011

13-Nov-2006

Sponsor: NORTHERN KENTUCKY ARC

Time: 6:00 PM (No walk-ins)

Contact: LYLE H HAMILTON

(513)315-4032

Email: AB8SH@ARRL.NET

VEC: ARRL/VEC

Location: TURKEYFOOT MIDDLE SCHOOL

3230 TURKEYFOOT ROAD

REGISTER AT LEAST 3 DAYS AHEAD

MAY ALSO CALL 513-533-5604

FORT MITCHELL, KY 41047

### Swap Shop:

There is a limited quantity of WCARC baseball caps available to Club members for \$8.00 each.

### From the ARRL Newsletter:

==>FCC CITES ALLEGED UNLICENSED HAM BAND USERS

The FCC has notified several entities -- including two trucking companies and a balloon festival sponsor -- regarding the alleged use of Amateur Radio frequencies by unlicensed individuals. Special Counsel in the FCC Spectrum Enforcement Division Riley Hollingsworth advised all of the parties that unlicensed use of radio equipment not only can interfere with licensed users but violates federal law and could lead to fines of up to \$10,000.

"Information before the Commission indicates that at the 2005 International Balloon Fiesta held in Albuquerque, there were numerous balloonists using Amateur Radio Service and General Mobile Radio Service (GMRS) radio transmitting equipment without licenses," Hollingsworth wrote Paul Smith, the event's executive director on August 23. "Both services require a license from the Commission."

Hollingsworth told Smith that while the FCC encourages all balloonists to use communication equipment of some kind, he'd like the Balloon Fiesta to advise those participating in this year's event October 6-15 that unlicensed operation is illegal.

He invited Smith to post the Advisory Notice on the event's Web site.

The Commission also contacted two trucking firms regarding alleged unlicensed transmissions from tractor-trailer rigs on 10 meters earlier this year. Hollingsworth sent a Warning Notice to Cardinal Express of Concord, North Carolina, on August 28, and Melton Truck Lines of Tulsa, Oklahoma, on August 30. The FCC cited information indicating that a Cardinal Express rig on Interstate 85 in North Carolina was the source of radio transmissions on 28.085 MHz on August 2. Hollingsworth told Melton Truck Lines that the FCC had information that one of its rigs, also on Interstate 85 in North Carolina, transmitted on 28.085 MHz on June 11.

Hollingsworth warned the trucking firms that, in addition to fines and other enforcement sanctions, operating transmitting equipment without a license could land drivers in jail and lead to seizure of radio equipment. He indicated this week that both trucking firms and their drivers have contacted him in response to the warning notices and are cooperating with the FCC.

The FCC sent a third Warning Notice to Parker Contracting of Panama City, Florida, on August 21 citing allegations that the contractor's employees have been operating unlicensed radio transmitting equipment on 145.020 MHz and interfering with licensed users. Hollingsworth said the contractor promptly contacted the Commission to report it had collected the Amateur Radio transceivers and was applying for a business license.

On August 18, the FCC wrote Neva Poovey of Newton, North Carolina, citing information indicating that she or someone in her residence had been operating radio equipment that caused interference on 10 and 12 meters. Hollingsworth noted that FCC records did not indicate a license authorizing

transmissions on those bands had been granted to anyone at Poovey's address. Poovey's husband Michael responded to tell Hollingsworth he was testing "a huge mobile linear" with another individual in his driveway. A nearby radio amateur complained to the Commission after hearing the transmissions on the two amateur bands.

A Technician class licensee in Puerto Rico -- Joaquin Diaz Fontanel, WP3BH, of Humaco -- was the target of a Warning Notice sent August 28 regarding alleged operation on 7.080 MHz, a frequency not available to Technician class operators.

"Such operation may reflect adversely on your qualifications to retain and Amateur Radio license," Hollingsworth warned.

### ==>ARRL GRANTED EXPERIMENTAL LICENSE FOR 500 KHZ RESEARCH BY RADIO AMATEURS

The FCC's Office of Engineering and Technology on September 13 granted Part 5 experimental license WD2XSH to the ARRL on behalf of a group of radio amateurs interested in investigating spectrum in the vicinity of 500 kHz. The two-year authorization permits experimentation and research between 505 and 510 kHz (600 meters) using narrowband modes at power levels of up to 20 W effective radiated power (ERP). ARRL Member Fritz Raab, W1FR, of Vermont, will serve as experimental project manager for "The 500 KC Experimental Group for Amateur Radio" <<http://www.500kc.com/>>

"I'm kind of excited to see how we can apply modern technology to a 'classic part' of the radio spectrum," Raab told ARRL this week. He pointed out that 500 kHz - the traditional maritime emergency frequency - is roughly geometrically halfway between the 136 kHz experimental band and the 160 meter amateur allocation.

"In contrast to 160 meters, 500 kHz is low enough to offer good groundwave propagation, but in contrast to 137 kHz it is high enough to allow us to engage in real communication with realistic equipment." Raab eventually would like to see at least a secondary 600-meter amateur allocation from 495 to 510 kHz.

"Besides the opportunities for experimenting at low frequencies, that frequency is well suited to regional groundwave communication," Raab said. He envisions eventual use of the spectrum to provide Amateur Radio emergency communication via groundwave, without having to deal with the vagaries of the ionosphere or causing interference to other services.

For about a century, the 500 kHz region was an important band for maritime communication, emergency and otherwise. The band is occasionally used by "heritage" commercial maritime stations, such as the Maritime Radio Historical Society's KPH on the West Coast, on special occasions. 500

kHz remains designated as an official maritime emergency CW frequency, although the vast majority of maritime users have shifted to satellite-based systems.

In addition to experimentation and regional emergency work, Raab says he believes that the 505-510 kHz spectrum could serve as "an historic band" that could support various commemorative special event-type operations. Proposals are under consideration in the UK and Ireland to establish an experimental Amateur Radio allocation in the vicinity of 500 kHz.

The WD2XSH project calls for operation from 21 discrete fixed sites spread throughout the US. Participants all are electrical professionals, many with maritime radio backgrounds, Raab said, adding that operation already has begun. The group eventually will be seeking reports from non-participants, he said.

Raab says the gear participants will use represents "every kind of antenna and equipment you can imagine," including surplus vacuum-tube maritime units. At his Colchester, Vermont, location he's using a 42-foot vertical, but others are employing inverted Ls, loops and Marconis, among others.

Raab was a co-author of the article "A 100-W Class-D Power Amplifier for LF and MF," which appeared in the March-April edition of QEX <<http://www.arrl.org/qex/2006/03/toc.pdf>>. He's using an amplifier of that design for his WD2XSH operations.

The FCC turned down a 1998 petition from the ARRL to create an Amateur Radio "sliver band" in the vicinity of 136 kHz, but some US amateur licensees have obtained FCC Part 5 Experimental licenses to research the possibilities of LF, including transatlantic and transpacific propagation. Amateur Radio licensees in Europe and elsewhere already have access to 135.7 to 137.8 kHz, and several hams in Canada have authorization to operate there using Amateur Radio call signs.

