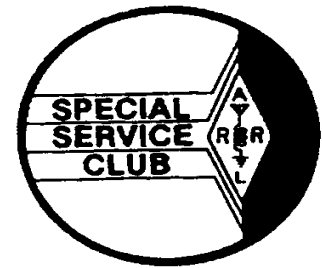




THE HAMCALL

The Official Newsletter of The Kentucky
Colonels Amateur Radio Club, Inc.
Bowling Green, Kentucky
Call: KY4BG

Webpage: www.kcarconline.com



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President's Report

Hello KCARC!

Hope everyone has had a good month. Look forward to the club picnic coming up on the 11th. Don't forget to bring a side dish or dessert or a salad for the pot-luck. There have been many good stations on 20m lately. Seems like it's easy to pick up a lot of countries on there. If anyone doesn't have "Logger 32" program and their rig tied to it through a PC then I would highly recommend it. It is a spotting program that spots the contacts, allows you to click on contact on the screen and tunes your radio to them immediately. Also gives you beam headings and all the logging needs. Lets you know what countries you've worked, if you need a contact that is on air and in what format you may need it! Much more too, signal reports yada yada yada.

I hope someone goes and gets the new iphone 5 next week so they can tell us is it worth it! I'm sure is will have a few new bells and whistles. Don't forget to please round up door prizes! We're running thin. Need lots of things to give out on the hour at the Hamfest.

73's

John Renfrow

K4FRO

Sec-Treasurer – Financial report will be handed out at next meeting.

Message from Hamfest Chairman – Ed Gann N4HID

Everyone needs to keep Oct 6th open for hamfest, We still need some door prizes, PLEASE get them to ED N4HID, HANK W4HTB, OR JOHN K4FRO

Greg ky4b has admission tickets if any one wants to buy them ahead that would help that morning , or not be able to attend and wants to buy ticket that would be nice.

Jobs for hamfest:

Tables--- Hank W4HTB, Larry WKOU, Fred WA4CFW, Tim KJ4ARE (also in charge of security)

Announcements and door prizes--- John K4FRO, Chris W4NEQ

Tickets--- Greg KY3B, Dottie KJ4PKN, Kitty KJ4AJE ,Bill KI4B and Marilyn, Ed N4HID

Watch Doors--- Edgar N4IYX, Randy KK4KLLK, Marshall KC4WFFN, Bill KJ4DGW (also in charge of first aid), Bob KK4AVI, Toby WA4UIF

Talk-in--- Shirlene N4JIL, John Coe KY4COE,

Club members tables---John KG4TOO, Carroll KC4HDG, Gary K4UU (if any member wants to put something on table bring in with Name and price)

Fill in where needed Claire KF4WIX

If I have missed any member that wanted to help, it was not on purpose, Just let Hank W4HTB or myself know and we will add you to fill in as needed, to give some breaks

All that are working or those who want to work please be at the Sloan Conference Center on Friday October 5th at 5:30pm just as final organization and help those venders that want to set up.

Thanks

ED N4HID

Upcoming Contest

Sept 08 0000z-Sept 9 2400z worked all Europe ssb

Sept 08 1400z-Sept 9 0200z Arkansas QSO Party ssb cw dig

Sept 08 1600z-Sept 8 2400z Ohio State Parks on the air ssb cw dig

Sept 08 1800z-Sept 10 0059z ARRL Sept vhf contest ssb cw dig

Sept 09 0000z-Sept 9 0400z North American Sprint cw

Sept 15 1200z-Sept 15 1200z cis dx contest dig

Sept 15 2400z-Sept 16 0300z South Carolina QSO Party ssb cw

Sept 15 1600z-Sept 16 2400z Washington st Salmon Run ssb cw dig

Sept 16 0000z-Sept 16 0400z North American Sprint ssb

Sept 26 0000z-Sept 26 2400z CQWW rtty Contest dig

Sept 26 1400z-Sept 26 ? Texas QSO Party ssb cw dig

SOME UP COMING DX TO WATCH FOR

3b9sp-Rodrigues Island - October 16-19

3d2c - Conway reef Sept 24- Oct 5

Swains Island-any day

Wireless Power Beamed Straight to Your Heart

POSTED BY: Eliza Strickland / Wed, September 05, 2012

How many pacemakers can fit on the head of a pin? Just one. But that's pretty impressive if you think about it.

At Stanford University, a team of researchers has [built a tiny, implantable cardiac device](#) that measured less than a millimeter in radius. This proof-of-concept device (which didn't actually set the pace for the contraction of living heart muscles) could be so small because it didn't require batteries—instead, it was powered by radio waves transmitted from outside the body.

Lead researcher [Ada Poon](#), an assistant professor of electrical engineering at Stanford, thinks that wireless power transfer could lead to smaller and more precise implantable medical devices, as well as swallow-able devices. For cardiac devices, wireless power could offer big improvements over pacemakers powered by bulky batteries that need to be replaced periodically via surgery.

Poon's device, [described in a paper](#) published in the journal *Applied Physics Letters*, has an external transmitter that sends radio waves to a coil inside the body, creating enough current to power the tiny implant.

Her big advance was in figuring out what frequency of radio waves to use. Previously, researchers thought that only low-frequency radio waves could travel far enough through human tissue to power an implanted device, but these low-frequency waves required large, impractical coils. Poon's team discovered that high-frequency radio waves, which require only a very small coil, could travel much deeper into the body than anyone realized. The image above shows power delivery to a human heart via low-frequency (left) and high-frequency (right) transmitters.

Poon's been a busy researcher. We last covered her work in February, when she unveiled a tiny chip that could, theoretically, be [propelled and steered through the human body](#) using external magnetic fields. Poon said that chip was suitable for the human digestive tract and larger blood vessels, and could lead to devices for drug delivery and diagnostic imaging.

**Future KCARC Programs-
Oct 9th Election of Officers for 2013**

Up and Coming Events

KCARC FALL PICNIC- Sept 11th Covington Woods Park.

Hamfest

Sept 08 Shepherdsville, Ky

Sept 15 Richmond, Ky

Oct 06 Bowling Green, Ky Everyone needs to make plans to attend

Tickets - \$6.00 Tables - \$8.00

KCARC VETTE CITY

HAMFEST COUNT-DOWN

< 30 DAYS

Name	Call Sign	Phone	E-mail	Class
Fred Painter	KA4CFW	270-842-3193	KA4CFW@insightbb.com	General
William J. Carty	W4AWJ	423-727-9988	billcarty@embay.qmmail.com	Extra
John E Downing	W4IAY	270-781-1416	jedowing@bellsouth.net	General
Tom Williams	WB4SCV	270-202-9633	tmwilli@insightbb.com	Advanced
Carroll Brooks	KC4HDG	270-781-3160	kc4hdg@insightbb.com	Advanced
Larry Whitman	WK0U	270-202-9600	ldwhitman@aol.com	Extra
Greg Lake	KY3B	270-842-1022	lakegl@accessky.net	Extra
Dottie Lake	KJ4PKN	270-842-1022		General
Gary Hext	k4UU		K4uu@hotmail.com	Extra
Leon Garrett	K4CIT	270-842-5307		Extra
Edgar Mills	N4IYX	270-563-9036	sirius_black42159@yahoo.com	Extra
Shirlene Mills	N4JIL		n_s_mills@yahoo.com	General
Claire Rinehart	KF4IWX	270-843-9028	claire.rinehart@wku.edu	General
Marshall Love	KC4WFN	270-843-8267	kc4wfn@bellsouth.net	Tech
Ken Embry	N4GGW		kenembry@bellsouth.net	Extra
Cecil Knudsen	KE6FYB	760-973-8086	ke6fyb@yahoo.com	General
William Feldkamp	KI4B		ki4b@insightbb.com	Extra
Hank Cantrell	W4HTB	270-793-4822	w4htb@insightbb.com	Extra
Chris Scott	W4NEQ	270-781-5301	chris.scott@wku.edu	Extra
Robert Doughty	KK4AVI	270-495-5189	kk4avi@att.net	Tech
John Renfrow	K4FRO	270-282-1522	ukrenfrows@att.net	General
John E. Moser	KG4TOO	270-879-9299	kg4too@hughesnet.com	Extra
Bonniejean Moser	KG4ZYG	270-879-9299	kg4zyg@hughesnet.com	Tech
Gerald Johns	KJ4YOG		jdjohns21@gmail.com	General
John Michael King	KK4FTM		johnmichaelking@gmail.com	General
John Fleener	W5QWU	270-793-0837	w5qwu@insightbb.com	Extra
Kitty Maggard	KG4AJE	Lifetime 270-842-1022	kg4aje@insightbb.com	Tech
Alice Blair	WA4RRR	Lifetime 270-843-6169	wa4rrr@wmcomect.com	General
Joe Durbin	W4BWG	270-780-9436	w4bwg@insightbb.com	Extra
Ed Gann	N4HID	270-843-8911	edwardgann@insightbb.com	Extra
John Trent	W4JHT	270-622-7308	jrtrent@nctc.com	General
Ben Runner	W4WSM	270-843-9543	w4wsm@insightbb.com	General
Tim Meyer	KJ4ARE		timmeyer@insightbb.com	General
John Coe	KY4COE	270-745-2025	Ky4coe@insightbb.com	Extra
Barry Williams	WA4GOZ	270-796-3057	barry@commsysky.com	General
Toby Wolfford	WA4UIF			General
Bill Schlicht	KJ4DGW	270-282-3112	bschlicht@sckyredcross.org	General
Bonnie Schlicht	KJ4RDL		2bschlicht@insightbb.com	General
James Randy Upchurch	KK4KRK	270-791-1086	jamesupchurch@insightbb.com	General

Repeater Name	Frequency	Offset	Tone	Time
Bowling Green	147.165		None	
Bowling Green	147.330		107.2	
Bowling Green	444.100		None	
Glasgow	146.940		None	
Tompkinsville	146.775		151.4	
Russellville	145.450		77	
Franklin	147.135		136.5	
Campbellsville	146.640		None	
Short Mountian	146.910		None	
Morgantown	146.655		None	
Grayson Co.	146.625		141.3	
Grayson Co.	147.225		179.9	
Ohio Co.	146.715		None	
Muhlenburg Co.	146.820		107.2	

KY4TV	Amateur Television	Repeater	BG, KY
	Output 421.25mhz	(cable chan 57)	
	Input 439.25 mhz	(cable chan 60)	
	Input 1280mhz	fm mod	
	Output 1280 mhz	fm mod	

Country Cousins	3.970	8:00 PM CT
Sunbelt Service	3.990	7:00 PM CT
I Bank	3.970	6:00 PM CT
Tenn Phone Net	3.980	7:00 PM CT
Ky Phone Net	3.916	6:00 PM CT

ATTENTION CLUB MEMBERS

BatteriesPlus is offering 5% Discount to KCARC members

Just present your membership card when you make a purchase

Traders Net -
Each Monday 1900 cst
147.330 rpt. Tone 107.2

KCARC Net -
Each Tuesday 1900 cst
147.330 rprr (Tone 107.2)

4th ARES NET MEETS 7 NIGHTS A WEEK AT 9 PM LOCAL TIME.

Frequency: 147.165

MHz. W4WSM Repeater.

Secondary

Frequency: 147.330 MHz. PL Tone 107.2

KY4BG - KCARC Repeater

10 Meter Net

Sunday Night 8:30 p cdt 28.460 mhz KY3B net control

2011 KCARC OFFICERS

President: JOHN RENFROW K4RFO

Vice President: Ben Runner W4WSM

Sec-Treas: Greg Lake KY3B

Kitty Maggard KG4AJE

Hank Cantrell W4HTB

Ed Gann N4HID

Claire Rinehart KF4IWX

Tim Meyer KJ4ARE

HAMCALL EDITOR: Hank Cantrell W4HTB

Web Master: Chris Scott W4NEQ