

CARS CARRIER

Charleston Amateur Radio Society

October 2014 Newsletter

CARS Web Site --- <http://www.wa4usn.org>

CARS meets the second Monday of each month at Ryan's Steak House on Highway 61.

Our next meeting will be held at 7:00 PM, Monday, Oct. 13, 2014



DUES FOR THE YEAR AUGUST 1, 2014 – JULY 31, 2015 ARE PAST DUE

\$20.00/Year, \$10.00 for each additional member in the same household. Please make check payable to CARS. You may pay at the meeting or mail to membership chairman: **Bryce Myers, K4LXF, 2630 Dellwood Ave., North Charleston, SC 29405-6814**

From **BRIAN FLETCHER, K6NWS**

Please bring the battery chargers for the APRS "Micro Tracker" (Yellow Boxes) to the October C.A.R.S. Club meeting on October 13, 2014. I plan on being there to collect them. Again, Thank you for participating in the test and for your effort.

NOSTALGIC POEM

In Days of Old
When Ops were Bold
And Sidebands Not Invented
The Word was Passed
By Pounding Brass
And All Were Quite Contented.

by Jim Huffman

EMERGENCY PREPARATIONS

ARES Meetings:

Dorchester County: October 11, 2014 at 0900 –
Dorchester EOC – 212 Demming Way – Summerville
(Dorchester Sheriff's Office)

Charleston County: October 18, 2014 at 0900 – Fire
station – 6390 Dorchester Rd. (At the CARS Trailer)

Berkeley County: October 25, 2014 at 0900 – Location
on website – www.w4bkr.org

Up Coming Events:

October 4, 2014:

Isle of Palms Connector Run
Cystic Fibrous Bike Ride

October 18, 2014:

Charleston County Simulated Emergency Test.
N4Z special event station in Anderson, SC (40,
20, and 15 meters)

Net Preambles: You always hear a "Preamble" at the start of the many nets every week. Most preambles allow for "Emergency or Priority" traffic to get special consideration.

Definitions:

Emergency Traffic: Any message having life and death urgency to any person or group of persons, that is transmitted by Amateur Radio.

Priority Traffic: Any message that is important and having a specific time limit, official messages that are not covered in the emergency category.

Any and ALL amateur radio operators are welcome and encouraged to join the **Amateur Radio Emergency Service (ARES)**.

AUGUST FINANCIAL REPORT

Beginning Checking Balance - 8/1/14	\$4,005.94
Cash Receipts:	
Memberships	1,080.00
Dues	60.00
Raffle Proceeds	33.00
Cash Disbursements:	
John Meyers - August CARS Carrier	(33.20)

AT&T - July (76.04)
Ending Checking Balance - 8/31/14 \$5,069.70
Charlotte, KJ4PLX

MINUTES of SEPT. MEETING

Charleston Amateur Radio Society
Club Meeting at Ryan's Steak House on Hwy.61
Monday, September 8, 2014 at 7:00 PM

MINUTES:

The Charleston Amateur Radio Society Meeting was called to order by President Gregory Amirault, KI4TVA, at 7:00 PM on Monday, September 8, 2014 at Ryan's Steak House in Charleston, SC.

Introductions: There were 36 people present.

Secretary's Minutes: Warren, KK4EVI

The August 2014 meeting minutes were published in the September 2014 CARS Carrier. A motion was made to accept the minutes as published, the motion was seconded, and passed.

Treasurer's Report: Charlotte, KJ4PLX

The July 2014 and Annual Financial Reports were published in the September 2014 newsletter and accepted as information.

Museum Ships: Ed, KQ4DC / David, KI4FSC / Tom, AJ4UQ

No report.

Field Day: Tom, AJ4UQ

No report.

Races: Doug, KU4OC

IOP Connector Run on October 4th. Run starts at 7:00 AM. Sign-up sheet is being passed around. Still looking for volunteers.

Tom, K4WJC – Cystic Fibrosis Bike Run – October 4th also. Run starts at 8:00 AM. Still looking for volunteers.

Hamfest Report: Greg, KI4TVA

ARRL confirmed our Hamfest and the fliers are ready and have already started passing them out.

Coastal Carolina Fair: Linda, K4MPY

Linda will handle the arrangements again. The sign-up sheet will be put out next meeting. Supporting the Fair was voted on and approved. We will again have the trailer and a few tables to work. We are looking to have at least two people working a shift. Start making plans because the Fair should run from October 30th through November 9th.

Repeater Report: Bryce, K4LXF

Working quite well.

Membership: Bryce, K4LXF

Dues are past due for club membership.

Applications for regular membership:

First Reading:

Second Reading: Randy J Cuthbertson W4UNI
John J Curro WB8WBL
Joseph R Ballentine KM4BZV

The new members were voted on and accepted.

Emergency Prep: Rick, N8BKN, Charleston; John, W4HNK, Dorchester; Dennis, KG4RUL, Berkeley

Thanks was sent, thanking us for the support of the 911 Fireman run. Peak of hurricane season is September 10th. A good website for hurricane information is www.nhc.noaa.gov.

Next ARES meeting is on September 20th at the St. Andrews Public Service Building at 09:00 AM.

Dorchester: No meeting this month

Nets: George, KI4UIW - Newcomers Net

Newcomers Net meets on Thursdays at 8:00 PM. If you are interested in trying to conduct a net, send

George, KI4UIW, a note and he will get you the information.

ARES Net meets at Sunday 8:00 PM. Local area 5 meets from 8:00 - 8:20 PM then joins the statewide link up at 8:20 PM.

QCWA Net meets on Saturday at 9:30 AM. Chapter 89 is now in Charleston.

SKYWARN Net meets on Tuesdays at 9:00 PM on the linked repeater systems.

Lowcountry Digital Nets: meets Sundays at 8:30 PM and Wednesdays at 8:00 PM on **145.700** MHz running Contestia 32/1000.

TARC CW Training Net: meets every Tuesday at 7:30 on linked repeater systems.

SCHEART Net: meets every Thursday morning at 9:00 AM.

ARES HF Net: Meets on 1st and 3rd Monday at 6:00 PM on HF 3.990 MHz primary and 3.9935 MHz alternate. Looking for more HF Logins, to support HF web.

Newsletter/Website: John, WA4GPS

Nothing new

Education & VE Testing: Sheila, KT4YW

The next scheduled exam will be 09:00 AM on October 11th, 2014 at the Trident Hospital.

School Programs: Alene, KG4NKD - DuBose Middle School Radio Club - K4DMS

No report.

Communications Trailer: Willie, WB4SOG

No report

Old Business:

Everyone holding the APRL transmitters please turn them into Eugene, AB4UG. - The month long test had mixed results.

New Business:

IOP Connector support was voted on and approved.

There was a motion to make John Crockett, W3KH, an honorary club member. Motion was voted on and approved.

Announcements:

John, W3KH wanted to thank everyone that checks into the SCHEART net on Sunday nights and he gave a presentation on the new DMR repeater system he is trying to get installed state wide. John has received a grant to start installing the repeaters across the state. John hopes to have a local setup here in the low country in about two weeks and state wide hopefully by the end of the year. For more information, look up the DMR info on the www.scheart.us website another website is www.dmr-marc.net. The DMR radio will handle UHF and Digital systems and looks like the price will be under \$200.00. Right now there is only a Handy Talkie version, if you use it in your car, an outside antenna will be helpful. The analog radios will not be going away anytime soon, the DMR system is just another option.

Drawing:

The drawing for a one year ARRL membership was won by Tom, KK4TLO.

There being no further business, a motion was made, seconded and passed to close the meeting. The meeting was adjourned at 7:55 PM.

Respectfully submitted by Warren, KK4EVI

THE BLACK AND WHITE OF IT

As a young boy I looked up to my maternal grandfather as a fountain of wisdom. We lived on the edge of a small town in Kentucky and frequently took long walks in the adjacent countryside. We talked about a variety of things and on one occasion it was how sunlight warmed up the earth. There was snow on the ground at the time and he pointed out that if you put a piece of white cloth and one of black cloth on the snow side by side and the sun shined on them,

the black cloth would melt the snow faster than the white cloth.

Being somewhat of a Doubting Thomas, I tried the experiment, and just as Grandpa predicted, the black cloth melted through first. I thought about it no further until I got interested in Ham Radio, and took notice that the anodes (plates) of power tubes consistently were black, the explanation being that black radiated heat more efficiently than lighter colors. How could this be? The black cloth absorbed heat more efficiently. You can't have it both ways, Or can you?

You have probably seen those little whirlygigs with 3 or 4 vanes balanced on a pinpoint bearing sealed in a glass bubble. One side of each vane is black and the other white. These gadgets are called radiometers. When sunlight hits the vanes, they spin around rapidly because the black side heats up, expanding the

adjacent air which pushes each vane, confirming Grandpa's explanation. But power tubes are different. The heat is generated within the tube and must be radiated from the black plate so the tube doesn't overheat. Maybe the color black just enhances the rate of heat transfer from the warmer source to the cooler recipient.

If this is true, putting the radiometer in the freezer compartment of a refrigerator should result in reversal of the direction of rotation, i. e. it should spin away from the white side of each vane toward the black side. I put my radiometer in the freezer for about 30 seconds to get it revved up, then opened the door quickly, and sure enough! Science can be really interesting.

73, Doc

CARS CARRIER

Charleston Amateur Radio Society

423 Beaufort Rd., Summerville, SC 29483-1989

