



# The Spectrum

Issue 5

May 2008

## Words from the President

We did it! We successfully supported Tour de Cure AND the Dismal Swamp Stomp race simultaneously on Saturday April 19. Many thanks to all that helped out, including five volunteers from the Portsmouth club (K4CRH, K4MLH, WA4UJT, WA4GDR, and KG4VWC, all very nice people) who made it possible. And a special Thanks to Sean W5CDR for getting everything planned and organized. I do not anticipate ever having these two events coincide in the future, but it is good to see that with the cooperation of volunteers from Portsmouth, we could get it done. As you may or may not know, this was an especially busy day for many of us in Tidewater. There was also a CERT drill for the whole region, and a QCWA meeting on the peninsula.

Our next big event will be Field Day, June 28 – 29. Again, we will be at shelter #1 at Deep Creek Lock Park. Lots of ham radio fun and good eating. Keith KG4ZXX is in charge of Field day this year, and will be asking for your participation. We need advance commitments so we can do advance planning! The more you put into it, the more you will get out of it, as usual.

Hurricane season is just around the corner. You should start thinking about your own preparations and alternatives to survive a storm. And also be thinking about how you can support CARS' Public Service / Emergency Communications responsibilities to the City. We have a lot of work to do with the shelter radios right now. Contact Sean W5CDR to find out how you can help.

Definitely make Sunday, June 8 a RED LETTER day on your calendar. That is the date of the Franklin club's hamfest at the Bronco Club a few miles South of Franklin. It is one of the nicest places on earth to be, and when you add in great food and ham radio, it is just too good to miss. And while you are having "the time of your life" you will be helping the Franklin folks get their new repeater up and running. If you've never been, get directions from some of us who are familiar with the location. It is definitely worth the trip.

Also mark Sept. 20 – 21 for our region's largest hamfest in Virginia Beach at Virginia Wesleyan College. That will also include forums and probably some ARRL Section meetings & activities. Don't let anybody plan something else for you that weekend.

Congratulations to the five technicians in CARS' recent General License class – all successfully upgraded to General and one went on to Extra! All great people I am proud to know.

I am looking forward to seeing you at our shack.

73, Paul K4PRB

## Links of Interest

[Virginia Beach Amateur Radio Club](#)

[Portsmouth Amateur Radio Club](#)

[Home - KG4ZXX.COM - IRLP and much more!](#)

[South Hampton Roads Sky warn Net](#)

[ARRLWeb: New US Amateur Bands Chart](#)

[ARRLWeb: FCC ULS Modifies Customer Support Hotline Hours](#)

[QRP Amateur Radio Club International - Home](#)

[QRZ Ham Radio](#)

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## Upcoming Events

### Board Meeting

Wednesday, Apr. 30th at 7:30 PM

### CARS Public Bus. Meeting

Monday, May 5<sup>th</sup> at 7:30 PM  
116 Reservation Rd.  
Chesapeake, VA 23322

### Shack Day

Saturday, May 17th at 10:00 to ??

### Bronco Club 2008

Pig-Pickin' – Tailgating  
SUNDAY, JUNE 8, 2008



## FIELD DAY EATS 2008

This year's Saturday lunch will be a typical Field Day picnic lunch (hamburgers, hot dogs, etc.) provided to all volunteers and guests at no cost. We will also provide vegetarian fare for those who request same in advance.

Saturday's dinner will be catered by Rodman's Bar-B-Q. NC style chopped Bar-B-Q sandwiches, fried chicken, cole slaw, potato salad, baked beans, and corn muffins. CARS is subsidizing \$4 each to keep the price down to \$10 per person. There will also be a vegetarian dinner at \$10 each for those that request same in advance.

We must plan this in advance to be fair to everyone. Unfortunately, we cannot accommodate "last minute" attendees. Monday, June 16 is the deadline to make your reservation and put your money on the table. Please plan on paying at either our May 5 or our June 2 club meeting. If you don't pay it then, mail it by Friday, June 13 in time for it to be received on Monday, June 16. Send it to K4PRB, Paul Buckwalter, 4 Timberland Ct, Portsmouth, VA 23703. Please make all checks payable to CARS. Otherwise, you will have to provide your own supper.

Everyone is encouraged to bring desserts! Our ladies have done very well with these in the past and we look forward to many more of the same this year.

Pass the hot sauce!

## LOCAL NETS

<b>SKYWARN NET</b> Wednesday 2000 Hours.	146.820 MHz
<b>CARS 2M Net</b> Sundays 2000 Hours	146.820 MHz
<b>CARS 10 Meter Net</b> 2000 hours on Mondays CARS doesn't meet	28.400 MHz
<b>Hampton Roads Public Service Net</b> Mon-Sat 2100 hours	146.970 MHz
<b>VBARC 10 Meter Net</b> 2000 hours on Thursdays VBARC doesn't meet	28.400 MHz
<b>Portsmouth "RagChew" Net</b> Monday & Wednesday 1930 hours	146.850 MHz
<b>Southeastern Virginia Traffic Net</b> Sun, Tues, Thurs @ 2000 hours	146.850 MHz
<b>Portsmouth Amateur Radio Emergency Services Net</b> Fridays 2000 hours	146.850 MHz
<b>Tidewater Radio Association WT4RA net</b> Thursday 1930 hours (code drill follows net)	147.195 MHz

## SHUTTERBUGS NEEDED

We need pictures of Club activities! We need them not only for a historical record of Club events, but we especially need them to document our Public Service activities to those people, agencies, and fraternal organizations that support CARS because our activities are valuable to our community. The folks that support us need to be able to explain how their support of CARS results in their support to our community. If you have some pictures, please share them with us.

# Sprinfest Pictures



## **ARRL In Action: What Have We Been Up To Lately? For the Month of April**

By Compiled by Joel Kleinman, N1BKE  
Managing Editor

The US Court of Appeals for the District of Columbia Circuit released its [decision](#) on the ARRL's Petition for Review of the FCC's Orders adopting rules governing broadband over power line ([BPL](#)) systems. The Court agreed with the ARRL on two major points and remanded the rules to the Commission.

When [tornadoes](#) swept across Suffolk and Norfolk, Virginia on April 28, local Amateur Radio operators responded to the call for assistance.

ARRL General Counsel Chris Imlay, W3KD, filed an [Informal Objection](#) with the FCC regarding a pending application for a Special Temporary Authority (STA) filed by Miller Motorsports Park in Tooele, Utah. The following day, the FCC upheld the ARRL position when it ruled that the STA would not be in the public interest.

After more than 17 years at ARRL, Laboratory Test Engineer [Mike Tracy, KC1SX](#), has left the HQ staff for a position with [Synergy Microwave](#), a New Jersey company owned by Dr Ulrich Rohde, N1UL. Bob Allison, WB1GCM, is the new ARRL Lab Test Engineer.

Dayton Hamvention® has named QST Contributing Editor and Author H. Ward Silver, N0AX, as its [2008 Amateur of the Year](#).

ARRL DXCC Manager Bill Moore, NC1L, reports that the following DXpeditions have been approved for [DXCC](#) credit: the 2006 and 2007 YA/LY1Y operations in Afghanistan; the 2007 operation to Uganda, 5X1NH; the 2007 operation to Western Sahara, S05A; the 2008 operation to Burundi, 9UXEV; the 2008 operation to Syria, YK9G; the ongoing operation of HZ1PS in Saudi Arabia, and the 2007 G4GIR/KH9 DXpedition to Wake Island.

St Barthelemy ([FJ](#)) has been added to the DXCC computer system and [Logbook of The World \(LoTW\)](#).

Antenna authority and prolific QST, QEX and NCJ contributor [LB Cebik, W4RNL](#), died in late April at age 68.

The June 2008 issue of [QST](#), the annual Field Day preview issue, was released to the printer, as were the May/June issues of [QEX](#) and [NCJ](#).

The winner of the [QST Cover Plaque Award](#) for April is Jim Oberhofer, KN6PE, for his article "Outpost: Packet Radio for Emergency Messaging."

The May issue of [CONTACT!](#) for public relations volunteers has been posted.

W1AW will conduct a spring [Frequency Measuring Test](#) May 21 at 9:45 PM EDT (0145 UTC May 22), replacing W1AW's normally scheduled phone bulletin.

Registration remains open through Sunday, May 25, 2008 for these [online course sessions](#) beginning on Friday, June 6, 2008: Technician License Course ([EC-010](#)); Amateur Radio Emergency Communications Level 1 ([EC-001](#)); Radio Frequency Interference ([EC-006](#)); Antenna Design and Construction ([EC-009](#)); Analog Electronics ([EC-012](#)), and Digital Electronics ([EC-013](#)).

ARRL is offering a new line of [HAM apparel](#) -- a shirt, sweatshirt and ball cap that feature the oval Euro design with "HAM" emblazoned in the center and the ARRL Web site address centered underneath it.

Kansas is now the 26th state to have a [PRB-1](#) law on the books, thanks to the hard work of radio amateurs there. It becomes effective July 1.

Hams in the West Chester, Ohio area [assisted](#) with an emergency hepatitis A vaccination program after an outbreak was traced to a fast-food restaurant.

Technical papers are solicited for presentation at the 27th annual ARRL/[TAPR](#) Digital Communications Conference ([DCC](#)), September 26-28, in Chicago, Illinois.

The [ARRL/VEC Volunteer Examiner Manual](#) is available for sale.

Al Shuman, K1AKS, of New Boston, New Hampshire, has been appointed Section Manager of the New Hampshire Section, effective April 21.

A new set of inscribed bricks have been installed in the [Diamond Terrace](#) at ARRL HQ.

Chuck Skolaut reviewed a report of unlicensed operation on 75 meters and forwarded the information to the FCC. He also sent information about Internet sales of high-power CB amplifiers originating from California.

The first of six [Teachers Institutes](#) in 2008 -- hosted by the Museum of Science & Technology in Tampa, Florida -- wrapped up April 10.

### **CARS BOD MEETING MINUTES 3 / 26 / 08**

Meeting called to order at 7:30 pm.

#### **Attendees:**

Paul K4PRB	Gavin KD7GJB	Marshall AI4CM
Barry K5VIP	Sean W5CDR	Jim KG4WOJ

Marshall AI4CM read the previous BOD meeting minutes. Sean W5CDR moved to approve the minutes as corrected. Seconded and approved.

Barry K5VIP presented the Treasurer's report (attached).

Sean W5CDR presented the Communications Officer's report concerning manning for the April 19 Tour de Cure and Dismal Swamp Stomp foot race. Sean also reported that he expects to receive his official appointment to the Chesapeake Local Emergency Planning Committee soon. Sean has volunteered to Terry Buzzard, ARES DEC, to be the ARES EC for Chesapeake, and expects to meet with Terry in the near future. This started on February 14 with emails to Glen Sage (SM) and Henry Wyatt (SEC), and an email from Terry Buzzard to Sean on March 4 and an email from Sean to Terry Buzzard on March 13 confirming Sean's interest in being ARES EC for Chesapeake.

#### **COMMITTEE REPORTS:**

PS / EC: Sean W5CDR reported that he and Jim KG4WOJ verified HT's are adequate for simplex coverage of the Dismal Swamp Stomp foot race. Sean will contact Hickory HS to try to arrange access to the roof before and after Tour de Cure.

Training: Paul K4PRB reported the General license class has 6 students.

#### **OLD BUSINESS:**

Barry K5VIP reported that the QCWA will not be using our clubhouse April 5 – 6 as previously thought.

The radio for WFOS is ready for installation. Richard WA4BUE and Sean W5CDR will take it to WFOS.

Public Service meetings will resume in April.

Shelter checks / radio reprogramming & relocation are on hold until after April 19.

**NEW BUSINESS:**

Marshall AI4CM will give a presentation on RTTY using soundcard connections to radios at our May 5 Club meeting.

Barry moved to recommend the club approve the membership application for Vince Williams, KJ4CCR. Seconded and approved.

Meeting adjourned at 9:40 pm.

**CARS CLUB MEETING MINUTES 4 / 7 / 08**

Meeting called to order at 7:35 pm

Attendees: 22

Marshall AI4CM read the minutes of the previous club meeting. Bob N4RAZ moved to approve as corrected. Seconded and approved.

Barry K5VIP read the Treasurer's Report.

Sean W5CDR provided the Communications Officer's report, including plans for this year's Tour de Cure and Dismal Swamp Stomp footrace, as well as the PS / EC committee report.

**COMMITTEE REPORTS:**

Repeater: Paul K4PRB reported minimal progress on the IRLP UHF link and explained problems being encountered.

Springfest: Barry K5VIP reported the very favorable financial results of Springfest, more than budgeted. Keith KG4ZXK thanked all who helped out.

Field Day: Keith KG4ZXK reported on operational plans and Paul K4PRB announced Field Day supper will be catered by Rodman's Bar-B-Que. Participants will ante up a week in advance.

Training: Paul K4PRB reported successful completion of the General license class. All five technicians successfully upgraded to General, and one went on to also pass his Extra class exam.

**ANNOUNCEMENTS:**

John Hockler N2WCR, Silent Key.

Next Club Meeting Monday, May 5 – Program will be a presentation of computer soundcard RTTY operation, as an introduction to digital radio modes by Marshall, AI4CM.

Our June 5 meeting will be a dinner meeting, to be held at the Moose Lodge where we held Springfest.

**NEW BUSINESS:**

Forrest WB5HQO moved to approve the membership application of Vince Williams KJ4CCR. Seconded and approved.

Allan WA9IWS won the 50-50 raffle.

Meeting adjourned at 8:55 pm.

## Non Amateur Related But Very Good Information

Submitted By Ken KI4RUI

### Boot and Nuke that hard drive!

I'm sure you know that when you delete a file, it really isn't gone. A marker is set letting the computer operating system know it can over-write what is ever in those disk sectors.

There are many free and paid programs available that will undelete those files you think you deleted. It is even possible to recover data that has been written over.

Here is a free professional grade program called Darik's Boot and Nuke (dBAN). You boot to this program from either a CD or a USB drive. Once this program is running, you tell it which drive you want erased. Be sure you choose at least 7 passes with random data to make it just about impossible for even the three lettered agencies from recovering your sensitive data.

dBAN doesn't care what operating system is installed on your computer, it talks directly to the hard drive.

So when you are throwing out ... um ... I mean recycling ... your computer or hard drive, be sure to run dBAN to keep your data from being read by anyone.

I even use dBAN anytime I am reinstalling an operating system just to make sure all remnants of the previous operating system is gone.

dBAN is available via an ISO image. You will need CD burning software to create the dBAN CD.

There is a version you can load on a USB drive. I haven't tried the USB version.

Want to try an experiment? Think I'm a little paranoid? Go buy a used hard drive from eBay or find any used hard drive. Install it in your experimental computer that has the most up to date anti virus software and look through the hard drive. Download some undeleting software and start undeleting. You will be amazed at what data is there or easily recovered.

If you don't have the facilities to burn the dBAN ISO or don't have a thumb drive to load dBAN on, contact me. I'll set you up with a dBAN CD. If you need help using dBAN, contact me.

Darik's Boot and Nuke: <http://dban.sourceforge.net/>

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### Shields Up!

Here is a web site that will scan your computer / home network and let you know if you are vulnerable to an attack from the Internet.

Of course it's free.

Gibson Research Shields Up!:  
<https://www.grc.com/x/ne.dll?bh0bkyd2>

### Tweak Windows XP

Here is a web page with a list of tweaks you can easily do to Windows XP.

[http://www.onecomputerguy.com/windowsxp\\_tips.htm](http://www.onecomputerguy.com/windowsxp_tips.htm)

# Bronco Club 2008



## Pig-Pickin' - Tailgating

Hosted by: Franklin Amateur Radio Club

SUNDAY, JUNE 8, 2008

9:30 AM to 3:00 PM

Admission \$8.00 at the gate covers:

- NC Barbeque Lunch
- 'Junk in the Trunk' Tailgating
- Program following lunch
- Door Prizes



VE Testing at ~ 10:30 AM

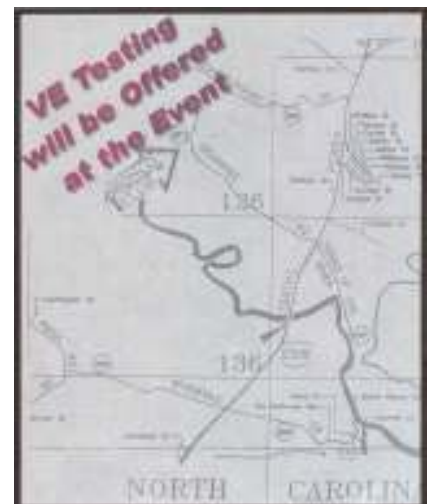
Raffle Prize - Diamond SX20C SWR Meter

Talk-In - 147.300+ (131.8 sub tone)

### Directions:

From Franklin - Take US 258 South to Rt 687  
Right on RT 687, Delaware Rd, (gravel) ~2  
mi then turn left to enter the Bronco Club.

From NC - Take US 258 North to Rt 687  
Left on RT 687, Delaware Rd, (1<sup>st</sup> Left  
after bridge)(gravel) ~2 mi then turn left to  
enter the Bronco Club.



## Spectrum

Monthly newsletter of the Chesapeake  
Amateur Radio Service (CARS)

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<http://www.w4car.org>

Email: [w4car@arrl.net](mailto:w4car@arrl.net)

**Newsletter Editor:** Gavin Wright-KD7GJB

**Webmaster:** Sean Gorman - W5CDR

### CARS : Repeaters

146.820 (PL 162.2) MHz  
146.610 MHz (PL 100.0)  
444.000 (PL 100.0)MHz

**W4CAR Trustee:** Bill Runyon WF4R

### CARS OFFICERS & CHAIRPERSONS

**President:** Paul Buckwalter K4PRB

**Vice President:** Gavin Wright KD7GJB

**Secretary:** Marshall Denny AI4CM

**Treasurer:** Barry Priddy K5VIP

#### **Communications Officer**

Sean Gorman W5CDR

#### **Past President:**

Keith Ainsley KG4ZXX

#### **Public Service/ Emergency Communications Coordinator:**

Sean Gorman W5CDR

#### **Repeater Committee Chairman:**

Bill Runyon WF4R