



The Spectrum

Issue 06

June 2005

Words From the President

You are probably looking at your calendar like I have done recently and commented on how quickly half of this year has gone. June is a great month. Kids get out of school, vacations and field day.

Field Day will be at shelter one at Great Bridge Locks Park in Great Bridge. The location is more ideal for having field day then it was last year being broken up into several shelters.

The first Field Day was in 1933 and tests operators' skills in setting up and operating radio equipment in situations where electrical power may not be present. This is a serious exercise that is also a lot of fun. Field Day is one of the most popular on-air events every year. Each year during field day operators attempt to contact as many stations as possible for points using various modes of communications. This is a great way to demonstrate to the general public that when all else fails... There is amateur radio.

Of course there will be plenty of food to be enjoyed by all. There are antennas that are going to need to be erected, radios to set up, talking with the public who may stop by and ask about amateur radio. I hope everyone will be there. In fact, I would encourage to bring someone you know that is curious about the hobby with you.

Monday, June 6th is our next meeting at the QRM room. Please attend so you may be a part of the final planning for what is going to be our best Field Day ever.

73's
Keith
KG4ZXX

Amateur Radio Emergency Communications

After 44 years of performing amateur radio communications, I see the need just as great as when I started in 1961. Over the past few years, the ARRL has stepped up efforts in Emergency Communication training. I am sure that I could have used that training years ago. However, the truth is back in those old days, we had a lot of mentors that drilled us on the essentials of communications and message handling. It was a goooooo thing.

Today, there seems to be something missing. Set aside all of the book learning for a minute.

Has anyone offered a course to develop skills in setting up a station in an emergency situation? How many of our public service volunteers could leave there current stations and set up a station in a remote area for required HF, VHF, and UHF communications.

See emergency on page 2

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Links of Interest

[Virginia Beach Amateur Radio Club](#)

[Portsmouth Amateur Radio Club](#)

[SERA Repeater Journal - 2nd Quarter 2005](#)

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

[Atlantic Basin Hurricane Tracking Chart](#)

[ARRLWeb: Kid's Day Rules June 18th](#)

Upcoming Events

CARS Meeting

Monday, June 6th, 7:30 PM
QRM Room
116 Reservation Dr
Chesapeake, VA 23322-5204

KIDS DAY

June 18th

TAKE YOUR HT RADIO TO WORK DAY

June 21st

FIELD DAY

June 25th

Emergency from page 1

Sure you may have an all band mobile. But mobiles are limited, by antenna height and efficiency, by size, just to mention a few problems. You can not drive into a remote command post.

EOC and remote locations may be blown down or washed out. Can you build efficient antennas on site and get them radiating?

The better HF mobile antennas on 75 meters are at best 30% efficient. That is not going to get out very far on a state network in QRN conditions. If a prime repeater goes down, how are you going to communicate over a large distance. Don't rely on land lines or internet providers, they all go down.

In many cases voice communications are not going to get through, and the modern technologies are prone to more failures in the field. How many of you have operated a contest or field day and have a voltage surge or outage and the computer log gets dumped?

How many of our emergency communicators have a prepared emergency system ready to go in the field and

operate? How many of our emergency operators can actually get these communication systems on the air? How many of our emergency communicators have a plan "B"?

Out of all of the recent events that I have participated in, only KG4PWC has demonstrated his ability to set up and sustain a reliable HF, VHF, and UHF portable station from scratch.

Something to think about!

Something to learn how to do!

Something to do!

Take action now! All of the books are not going to put that emergency station on the air for you.

God Bless

Richard
WA4BUE

NATIONAL TAKE YOUR HT RADIO TO WORK DAY

Ham radio operators across the country are encouraged to take the smallest of their radios to work with them on Tuesday, June 21 in a display of Amateur Radio capabilities. By wearing these handy-talkies, called "HT" radios, on their belt or placing them on their desks, we hope to raise awareness and inquiries about Amateur Radio from our co-workers as part of Amateur Radio Awareness Week. Nothing gets more people interested in ham radio than meeting and talking with a ham while actually looking at a radio! Using the HT as an icebreaker, hams can then invite interested people to join them on the weekend and see Field Day operations.

At lunchtime on the 21st, hams can also demonstrate the radio's capabilities by making contacts both locally and possibly nationally. Often using nothing more than these HT radios, the size of a cell phone, hams have been in the forefront of emergency communications because their radios work when other systems failed or were overloaded. The difference is because the ham's radios don't need a vulnerable infrastructure to work.

The Amateur Radio Service is recognized internationally for its abilities to provide emergency communications in a disaster situation. Most recently, the hams were the primary means of communication and coordination of rescue efforts after the tsunami event. Even in the United States, we recognize that our technologies are vulnerable and the hams are critical in a major disaster such as 9-1-1 when ham radio again was the only effective communications system for many hours.

See HT to work on page 4



Hurricane season begins June 1st and runs through Nov.30th. For more information go to <http://www.nhc.noaa.gov/HAW2/english/intro.shtml>. From there you can click on each day and read something about that title.

Here are names for this years hurricanes.

Arlene Bret Cindy Dennis Emily Franklin Gert, Harvey Irene Jose Katrina Lee Maria Nate Ophelia, Phillipe Rita Tammy Vince, and Wilma

TAKE ACTION

If you are **HURRICANE AWARE** you will be able to answer these three questions:

1. What are the Hurricane Hazards?

[Storm Surge](#), [Marine Hazards](#), [Tornadoes](#), [High Winds](#), and [Inland Flooding](#)

2. What does it mean to you?

Do you live in a Surge Zone? On a Barrier Island? In an area prone to flooding? In a strong sturdy home?

3. What actions should you take to be prepared?

[Family Disaster Plan](#), [Disaster Supply Kit](#), [Secure your home](#), [Have a place to go](#), and [Stay Aware](#)



Be sure to ask other family members, friends and neighbors if they are **HURRICANE AWARE** too.

TAKING ACTION is as easy as 1-2-3:

1 BEFORE	2 WATCH	3 WARNING
<p>Before Hurricane Season Starts <i>YOU SHOULD:</i></p> <ul style="list-style-type: none"> ➤ Assemble your Disaster Supply Kit. These items are often scattered around your home and simply need to be brought together into one location. ➤ Write out your Family Disaster Plan. Discuss the possible hazards with your family. Determine if you are in an evacuation area. Identify an out-of-town family contact. 	<p>When a Hurricane Watch is issued <i>YOU SHOULD:</i></p> <ul style="list-style-type: none"> ➤ Check your Disaster Supply Kit. Make sure nothing is missing. Determine if there is anything you need to supplement your kit. Replenish your water. ➤ Activate your Family Disaster Plan. Protective measures should be initiated, especially those actions that require extra time (for example, securing a boat or leaving a barrier island). 	<p>When a Hurricane Warning is issued <i>YOU SHOULD:</i></p> <ul style="list-style-type: none"> ➤ Ready your Disaster Supply Kit for use. If you need to evacuate, you should bring your Supply Kit with you. ➤ Use your Family Disaster Plan. Your family should be in the process of completing protective actions and deciding the safest location to be during the storm.

Continued on page 5

LOCAL NETS

SKYWARN NET Fridays 1900 hours.	146.820 MHz
Old Dominion IRLP Net Sundays 2000 hours. IRLP Node #4865 (Simplex Frequency)	145.600 MHz
CARS 10 Meter Net 2000 hours on Mondays CARS doesn't meet	28.400 MHz
Hampton Roads Public Service Net Mon-Sat 2100 hours	146.970 MHz
VBARC 10 Meter Net 2000 hours on Thursdays VBARC doesn't meet	28.400 MHz
Portsmouth "RagChew" Net Monday & Wednesday 1930 hours	146.850 Mhz
Southeastern Virginia Traffic Net Sun, Tues, Thurs @ 2000 hours	146.850 MHz
Portsmouth Amateur Radio Emergency Services Net Fridays 2000 hours	146.850 MHz

HT to work from page 2

The FCC has formally recognized "the value of the Amateur Radio to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications."

Aware of the threats that face us today, hams are reaching out to encourage others to also get their Amateur Radio licenses and have this capability for themselves and their families. The initial license to become a ham has been simplified - you do not even need to know Morse code anymore. The hams will have information about local classes and clubs to aid people in getting their first licenses. More information can also be found at www.arrl.org/newham.

Many people are curious about getting their ham radio license. But they don't know where to go or where to start. They also don't know how easy it is to get started. By learning that your co-worker is a ham and can help you in the right direction, we hope to make it easier for people to have this ability to provide communications for themselves, their families and their community in a crisis.

This is to just let you know there is a new web site at HamptonRoads.com, created by DEE DEE for skywarn news, announcements, and everything dealing with skywarn and weather related stuff. Also there is a calendar page created for severe weather activity announcements and skywarn classes. Check it out and see yourself. It is still in progress of growing, Here is the address: <http://groups.hamptonroads.com/skywarn>

Announcement from WX4NHC, Amateur Radio Station at the National Hurricane Center

WX4NHC Hurricane Season 2005 On-The-Air Station Test
Saturday, June 4th, 2005 from 9am-6pm EST (1300z-2200z)

This is not a Contest or Hurricane Exercise. The purpose of this annual Station Test is to test all of our radio equipment, computers and antennas using as many modes and frequencies as possible.

RFI monitoring is also done to NOAA & NHC equipment. We will also be testing some new antennas and equipment that are being installed for this coming season. Some operator training will also be conducted.

Remember this is just an equipment and operator test, we are not activating any "nets". WX4NHC will be On-The-Air on HF, VHF, UHF and 2 & 30 meter APRS We plan on using the following phone frequencies ± QRM 7.268mhz, 14.325mhz, 21.325mhz, 28.525mhz. CW will be on 14.035, 21.035 and 28.035. PSK31 on 14.070.

Need to find us on HF, try using the DX Summit Web Site: <http://oh2aq.kolumbus.com/dxs/> Select "DX-Spots" 50, 250 or 1,000 or select "Spot Database Search".

We will also be on VoIP Hurricane Net 1pm-3pm EDT (1700z-1900z) (IRLP node 9219 / Echolink WX-TALK Conference). <http://www.voipwx.net/>

Report your Callsign, Signal Report, Location and name. Short Weather Report ("Sunny", or "Rain", etc.)

Thank you for your participation in this TEST.

QSL Cards are available via W4VBQ. Please S.A.S.E.

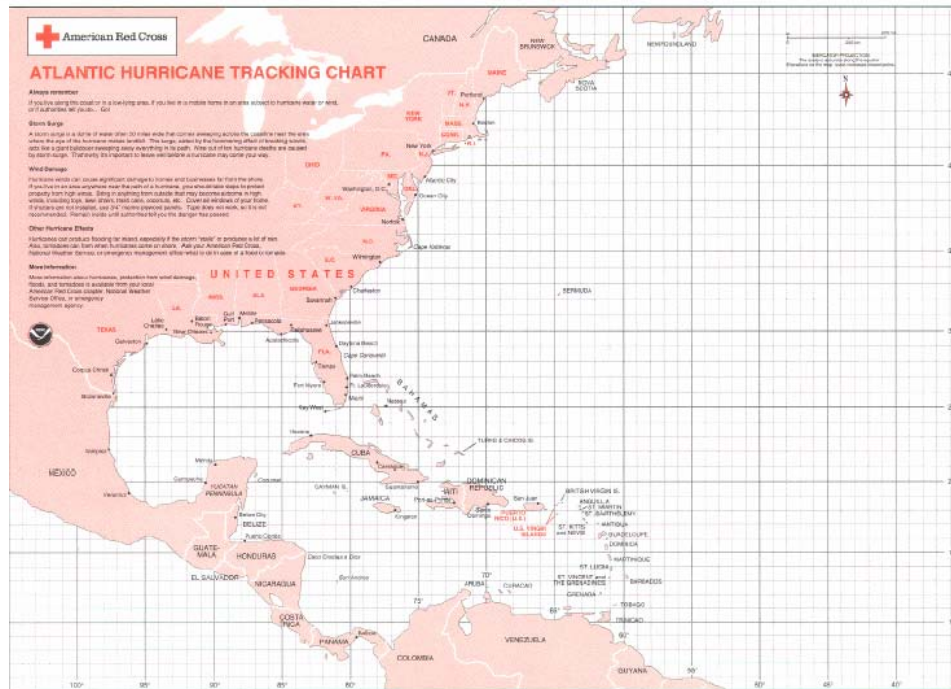
73,

John McHugh, K4AG, Amateur Radio Coord. National Hurricane Center
Julio Ripoll, WD4R, Asst. Amateur Radio Coord. National Hurricane Center
WX4NHC Home Page: <http://www.wx4nhc.org>

Saffir-Simpson Hurricane Scale

Scale Number (Category)	Sustained Winds (MPH)	Damage	Storm Surge
1	74-95	Minimal: Untied mobile homes, vegetation and signs.	4-5 feet
2	96-110	Moderate: All mobile homes, roofs, small crafts, flooding.	6-8 feet
3	111-130	Extensive: Small buildings, low-lying roads cut off.	9-12 feet
4	131-155	Extreme: Roofs destroyed, trees down, roads cut off, mobile homes destroyed. Beach homes flooded.	13-18 feet
5	>155	Catastrophic: Most buildings destroyed. Vegetation destroyed. Major roads cut off. Homes flooded.	>18 feet

FEDERAL EMERGENCY MANAGEMENT AGENCY



There will be lots more on Hurricanes and Tornadoes, throughout the coming months since hurricane season is several months long. Plus I would like to see everyone check into the weekly net on Fridays at 7pm if at all possible.

I would like to see our weekly net get more interesting, than what is has been. I am thinking that we can have a general discussion on Skywarn Spotter topics, rather than just reporting our current weather observation.

Yes we do need to keep it somewhat geared to basic operating procedures and what and when to report and how to report it, but we can also use the time to make it more interesting and fun for all. If you have any suggestions please let me know.

I am also asking anyone who would like to be a Net control Station to please contact me at deborah.hunter@att.net.

That is all for now, thanks for reading.

73
Dee Dee/KI4DNN

Minutes for the May 2nd General Meeting of the Chesapeake Amateur Radio Service, Inc.

Meeting Called to Order At 7:33 PM EST by President Keith Ainsley

Self-Introduction was made with 5 guests and 15 members present

Health & Welfare Bob, WA4SQL, is back in the hospital, due to failing condition.

Program: "Towers & Local Permits" By Bill Verbely, W4WV, discussed various needs for the installation of towers in the local area. Basically a permit is needed for an approved tower. There was a short break before the Business Meeting resumed

Secretary: Last months minutes were read and approved; a short version of the May BOD minutes was given for information.

Treasurer: Rich read a general report of past receipts and expenditures.

(Acting) Communication Officer's Report – Donated computer items to be inventoried and the declared value to be \$100.00 for each system. It was discussed that Phil, WB3IEC be in charge of the systems and helped by Bill, WF4R.

Committee Reports:

Repeater Committee Chairman- Relocation of the 61 repeater, they are working on the contract. Hope to have PL on the 82 machine soon, tone frequency presently set for 100 Hz.

Newsletter Editor- May issue is on Keith's Internet site is working fine. Rich requested copies of past pictures to setup a computer disk of club activities. PLEASE burn a CD and present them to him, e-mailing would take too much computer time.

Public Service Coordinator- Tour de Cure event was fun and went off fine. No planned Public Service events for May..

Springfest Chairman- Springfest report said that we raised more funds than listed in the Budget, lessons learned and suggestions for next year discussed

Field Day Coordinator- Keith gave Ricky Lee the access letter, a signup sheet was pasted around, the week prior to FD to survey the site.

Sky Warn Coordinator- Dee-Dee was not present, referred to BOD report. Announced upcoming Stopper Training session.

OLD BUSINESS:

1. Status of the corrections to the information on the local cable Bulletin Board, still pending.
Status of the relocation of the club's Internet site via a link to www.kg4zxk.com/cars is on hold and the payment to QSL NET is on hold. Membership approved the purchase of the domain w4car.org , for a cost up to \$10.00. Web server status pending determination by Keith as to availability of his server.
3. ARMAD Special Event for May 28th NO action taken by the membership..
4. The agreement for use of the Corps of Engineers towers & Bldg. next door; is waiting on the city to produce the document for the ACOE, Sonny to check progress.

NEW BUSINESS:

1. Membership approved the increase of the dues s schedule after debate.
2. It was announced that the requested to use of the 146.820 MHz repeater for a City of Chesapeake "CERT Drill" on August 9th 2005 between 8 AM and 12 Noon. A directed Net will occur for training. An NCS will control communications during this time frame.
3. The discussion on purchasing commercial eggbeaters antennas for 2M & 70 CM for use on the FT-847 for Satellite communications was tabled, the Com Officer to get some prices.
4. Request to obtain a 160M Windom antenna up to \$200.00 is recommended by the BOD. Motion to approve purchase was approved.
5. It was announced that the Dinner meeting be scheduled for the July 11th meeting at the Golden Coral in the Chesapeake Square area. Show up at 6:30 PM and meeting to start at 7:30 PM.
6. It was also announced that the June meeting is for planning Field Day, which is June 25th and 26th.
7. There was a request for CARS to have a net on 2 meters, discussion tabled for more review at the next meeting.

Continued on next page

8. It was brought to the attention of the membership that the By-laws are not being followed. Applications and acceptance votes are not being held on new members. An application form will be used and reviewed in the future and the dues collected prior to the vote as set forth in the By-laws.

Shack Day, scheduled for May 7th at the QRM room will be for instructions on the use of the three station setups, this will be between 10 AM and 12 Noon.

50/50 Drawing: Was won by KG4KJW, the refreshment fund received \$11.50.

Time and Place of the next Meetings: Board of Directors meeting June 1st starting at 6:30 PM EDT. June General Meeting will be June 6th, at the QRM room at 7:30 PM EDT.

Adjournment: at 9:30 PM EDT

Chesapeake Amateur Radio Service
Dues Structure for 2005-2006 Club Year Approved 05/02/05

The following DUES schedule shall be accepted for membership after July 1st, 2005 for the club year of 2005-2006 (this will include the period from July 1, 2005 to October 31, 2006).

CLASSES OF MEMBERSHIP

Regular/full member	\$15.00
Family Member	First member \$15.00 then \$7.50 for each family member thereafter
Associate Member	\$8.00

Honorary Member Membership granted by the board for services to the club in the past and not requiring payment of dues. This member is to have the same privileges as an associate member.

QRM & SHACK SCHEDULE FOR **JUNE 2005**

Board of Directors Meeting	6/1 @ 6:30 PM EDT
CARS Meeting	6/6 @ 7:30 PM EDT
CARS Shack Day	6/11
CARS 10 Meter Net	6/13 @ 8PM on 28.400 MHz USB
CARS 10 Meter Net	6/20 @ 8PM on 28.400 MHz USB
Field Day Survey	TBA
ARRL Field Day at GB Locks Park	6/25 @ 10:00 AM EDT
ARRL Field Day at GB Locks Park	6/26 until END
CARS 10 Meter Net	6/27 @ 8PM on 28.400 MHz USB

The Spectrum

Monthly newsletter of the Chesapeake
Amateur Radio Service (CARS)

Post Office Box 6867
Chesapeake, VA 23323-6867

<http://www.qsl.net/cars>
Email: w4car@yahoo.com

Newsletter Editor:
Rich Graham – KI4EUM

Webmaster:
Leo Kusuda – KG4PWC

CARS : Repeaters

146.610 MHz
146.820 MHz
444.000 MHz

W4CAR Trustee:
Bill Runyon WF4R

CARS OFFICERS & CHAIRPERSONS

President:
Keith Ainsely KG4ZXX

Vice President:
Reggie White W5SSB

Secretary:
Sonny Hood K4WYS

Treasurer:
Rich Graham KI4EUM

Communications Officer
TBD

Past President:
Ruth Bigio KB4LIF

Public Service Coordinator:
Leo Kusuda KG4PWC

Repeater Committee Chairman:
Bill Runyon WF4R

Spring Fest Coordinator:
Leo Kusuda KG4PWC

The Amateur's Code

The Radio Amateur is:

CONSIDERATE - Never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL – Offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through with Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE – With knowledge abreast of science. A well-built and efficient station, and operation above reproach.

FRIENDLY – Slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED – Radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC – Station and skills always ready for service to country and community.

The original Amateur's Code was written by Paul M.Segal, W9EEA, in 1928.

