

The OVH ARC Newsletter  
OLE VIRGINIA HAMS™ AMATEUR RADIO CLUB, INC.  
Post Office Box 1255, Manassas, Va. 20108  
OVH FM Repeaters - 146.970- & 224.660- & 442.200+ & 443.500+  
OVH D-STAR Repeaters - W4OVH - 146.865- & 442.5125+

Web Site at <http://w4ovh.net>

# OLE VIRGINIA TIMES

## July 2013

### Next Meeting: Monday, July 15, 2012

#### PRESIDENT'S LETTER:

Hello to all and I hope this message finds you all healthy and well. I hope everyone had a safe and joyful Fourth of July and enjoyed the fireworks wherever you found yourself.

July is finally here and with it comes the wonderful weather and an assortment thunderstorms and lightning. Be careful about grounding and lightning protection for your outdoor antennas; and you might consider not operating and disconnecting antennas from equipment when thunderstorms are nearby.

The OVH had a very successful Field Day event on June 22nd and 23rd, 2013, with about 32 members participating and signing in at the Field Day site next to the Central Regional Library in Manassas; I'd like to thank Randy / WB7RAV for coordinating this event for the club. More details later in this newsletter and there will be a post-event review at the upcoming meeting. Those interested in HF digital modes should note that the PSK31 operation at the ARRL / OVH Field Day led this year by Neil / KD7UHR made 100 two way contacts.

At the upcoming meeting, Terry / WA5NTI will make a custom presentation about using the JT65a mode on HF, including on the 160 meter band. Terry is a real expert on this subject and his presentation should be quite refined and focused for us because Terry has given similar presentations on this interesting topic to two other groups since early June.

I hope all can attend the upcoming OVH meeting on Monday, July 15th at 7:30 PM!

73 Justin KJ4LAS



# Ole Virginia Hams Amateur Radio Club, Inc.

Post Office Box 1255  
Manassas, Virginia 20108

## OFFICERS

President:	Justin Anderle	KJ4LAS	571-221-3423
Vice Pres:	Clarence Meese	K4CNM	791-6424
Secretary:	Theresa Heartney	KG4TVM	257-3566
Treasurer:	Terry Erlacher	KC4DV	571-292-1490

## DIRECTORS

Don (Butch) Blasdell	W4HJL	369-2877
Arthur Whittum	W1CRO	791-4330
Charlie Dale	WA4YGI	361-3091
Bob Zaepfel	K4HJF	282-2451

## WEEKLY FM REPEATER NET COORDINATOR

Thurs - 8:00 PM Local Time	JOHN / KG4NXT	257-3566
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## HAMFEST 2013

Terry	KC4DV	571-292-1490
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## FIELD DAY 2013

Randy	WB7RAV	393-1494
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## CLUB ROSTER / DATABASE

Arthur	W1CRO	791-4330
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## EDUCATION

Mark	WA4KFZ	818-8033
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## CLUB EMERGENCY COORDINATOR

David Meola	KI4AZX	393-6681
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## ARES - EMERGENCY COORDINATOR

David Lane	KG4GIY	703-628-3868
	email:	KG4GIY@ARRL.NET
Prince William County ARES website		<a href="http://pwcares.org">http://pwcares.org</a>

## FINANCE

Arthur	W1CRO	791-4330
Mark	WA4KFZ	818-8033
Terry	KC4DV	571-292-1490

## GENERATORS

Steve	N4OGR	361-0008
Keith	KM4AA	909-1512
Al	KB4BHB	368-4794

## HISTORIAN

Theresa	KG4TVM	257-3566
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## WEBMASTER — W4OVH.NET

Paul	W4ZB	754-0910
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## EMAIL REFLECTOR — w4ovh@googlegroups.com

David Lane	KG4GIY	628-3868
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## JOTA

Scott	KB8NUM	365-2642
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## LEGAL

Bob	K4HJF	282-2451
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## MEMBERSHIP CHAIRMAN

Luther	KJ4FDK	361-4885
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## NEWSLETTER

Paul	W4ZB	754-0910
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## NEWSLINE FOR THE WEEKLY NET

John H.	KG4NXT	257-3566
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## PROGRAMS

TBA

## QUARTERMASTER

Steve	N4OGR	361-0008
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## REPEATER CONTROLLERS

Keith	KM4AA	909-1512
Arthur	W1CRO	791-4330
Butch	W4HJL	369-2877
Steve	N4OGR	361-0008
David	KG4GIY	361-3042
George	K4GVT	791-5956
Russ	WB4HHN	368-6435

## W4OVH / W4PVA — TRUSTEE

Keith	KM4AA	909-1512
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## SCHOLARSHIP

Jim	W4JTP	392-0150
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## SUNSHINE

Theresa (Acting)	KG4TVM	257-3566
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## TECHNICAL COMMITTEE

Keith	KM4AA	909-1512
George	K4GVT	791-5956
Arthur	W1CRO	791-4330
Alan	KD4KXB	330-8844
Bill	N4SV	590-9562
Butch	W4HJL	369-2877
Karl	W4KRL	802-1527
David	KG4GIY	628-3868
Bob	K4HJF	335-1939

All telephone numbers listed above are for Area Code 703 unless otherwise noted. This is the official monthly publication of the Ole Virginia Hams Amateur Radio Club, Inc., a §501(c)(3) organization, dedicated to the promotion and enhancement of Amateur Radio. Copyright © 2012 by the Ole Virginia Hams.

The OVH ARC regular monthly meeting is at 7:30 p.m. every third Monday each month at the Prince William County Red Cross Chapter House at 9930 Liberia Avenue, Manassas, Virginia. Members, prospective members and other interested persons are invited to attend. Local information can also be obtained through the OVH's FM repeaters on 146.970-, 224.660-, 442.200+ and 443.500+ MHz or D-Star repeaters on 146.865- and 442.5125+ MHz. Up to date information about OVH activities and its meetings is also available during the OVH's nets on its FM Repeater each Thursday night at 8:00 p.m. or on 80 meters (3710 KHz) LSB each Sunday night at 7:00 p.m. (8:00 pm in Summer) or through the OVH's web site at <http://w4ovh.net>

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Approx. Circulation - 170.

Last Rev: 7/10/2013

## Sunshine Corner:

Happy birthday wishes to Steve / KB4OF, Philip / KI4WGC, Emmett / KK4RFU, George / K4GVT, Michael / KC4ZNQ, Dwight / N4GSD, Robert / KI4IST, Luther / KJ4FDK, Kenneth / KB4BWM and Neil / KD7UHR.

I think we are definitely in the dog days of summer now, hopefully everyone had a great Fourth of July and was able to stay cool!

Well we can now say we have completed our most busy month of June and I think the club did an outstanding job! The Manassas Hamfest and Field Day, our two biggest events each year, of course, both fall in the same month leaving some of us almost “hammed out” for the season by the end of June.

Terry / KC4DV chaired the Hamfest and has already volunteered to chair it again next year, thank to Terry and all of our club members who helped to make this a successful event.

Randy / WB7RAV chaired Field Day and was able to bring out the Red Cross tent so operators could be out of the sun and in the air-conditioning. That’s always a plus on these hot days. Way to go Randy and those participating. I’m sure we will have a further report at the July meeting and there are some pictures from Field Day later in this newsletter.

Stay safe in these storms that always show up this time of year, you can hear reports via Skywarn on the 147.300 FM repeater.

If you have any news for the Sunshine Corner, good or bad please send me an email at kg4tvm@hotmail.com or call me at 703-257-3566.

73 Theresa KG4TVM

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## Minutes of the Ole Virginia Hams Amateur Radio Club Meeting June 17, 2013:

Justin KJ4LAS called the meeting to order at 7:30 pm. Meeting was held at the Prince William County Red Cross Chapter House in Manassas, Virginia.

All present stated their names and call signs. There were 28 OVH members and 3 guests.

### BUSINESS MEETING

Minutes from the May meeting were approved as read with a motion from Bob / K4HJF; seconded by Terry / WA5NTI.

Treasurer’s Report – by Terry / KC4DV approved as read upon motion by John / KG4NXT and seconded by Terry / WA5NTI.

Membership – Luther / KJ4FDK presented the application to vote in Rick / K4NCX, motion by John / KG4NXT and seconded by Terry / KC4DV approved; the following new membership applications were read in by Luther: Robert / KJ4EOR, Zach / KK4RRD, Ron / N4RDZ, Ken / WB4ZOH and Jeffrey / WD6UIE.

Repeaters – Keith / KM4AA reported that everything is working.

Training – Mark / WA4KFZ is working on a Tech class in October and also

**Cont’d on page 4**

working with the 4H group for pre-license activities.

Hamfest – Terry / KC4DV reported that 2013 Manassas Hamfest is done and he volunteered to chair this event next year; the first planning meeting for the 2014 Manassas Hamfest will be on the first Wednesday in October; Terry / KC4DV also gave a report on the revenue and the expenditures, by category, for the 2013 Hamfest; Ron / N4RDZ volunteered to help with vendors next year; bake sale funds are being donated to the Red Cross Oklahoma Disaster Fund; Motion by Theresa KG4TVM to have the club add funds to the bake sale proceeds so that the donation made to the Red Cross is \$400, seconded by John KG4NXT, approved.

Field Day – Randy / WB7RAV reported that we will have a Red Cross tent to use at the Field Day site later this month; set up will start at 9:00 am on Saturday; help is needed at noon on Sunday to take the tent down, it's possible the Red Cross Command Post Truck will make an appearance too; discussion followed on what will be needed; Bill / N4SV has the laptops ready to go; we expect to be running 3A and GOTA; Terry / WA5NTI gave out brochures about Field Day at the Youth Lounge during Hamfest and also presented the information at the 4H meeting; Terry / KC4DV asked about the Saturday night dinner, discussion followed and it will be a pot luck dessert with the club providing lasagna and salad

Sunshine Corner – Theresa / KG4TVM announced the birthdays for the month and gave an update on Alan / WA2GTT who is recovering.

Web Page – Paul / W4ZB advised everything running and the site has been updated with the latest Field Day information.

New Business – Ken / WB4ZOH announced that he had won the grand prize at 2013 Manassas Hamfest after many years of attending many hamfests and never winning anything; he thanked the club; Terry / KC4DV will look into renting or buying a projector for next hamfest to be used for the presentations.

Motion to adjourn by John / KG4NXT at 8:17 pm, seconded by Bob / K4HJF.

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## Reminders about some upcoming events / calendar dates:

### HAMFESTS:

Sunday, August 4, 2013 - Berryville, Virginia Hamfest by the Shenandoah Valley Amateur Radio Club. Relative close by and a good hamfest. More info. at <http://w4rkc.org/hamfest> See also the Berryville Hamfest Flyer later in this Newsletter.

Saturday, August 31 - Sunday, September 1, 2013 - Shelby Hamfest, Shelby, North Carolina. More info. at <http://shelbyhamfest.org> See also the Hamfest Flyer later in this Newsletter.

Saturday, September 14, 2013 - Virginia Beach Convention Center - the annual Roanoke Division ARRL Hamfest. More info. at <http://www.vbhamfest.com>

Saturday - Sunday, June 22-23, 2013 - ARRL / OVH Field Day - at the Central Community Library grounds in Manassas. This is a major fun club event. Save this date. For more info, check back here on the OVH Reflector, also contact OVH Field Day Chairman, Randy / WB7RAV.

There are many operating contests almost all of the time. The excellent web site maintained by WA7BNM at <http://www.hornucopia.com/contestcal/> lists most of them!

### PUBLIC SERVICE / TRAINING / ARES EVENTS

Check the online Calendar by David / KG4GIY at <http://www.pwcares.org> for latest updates. David maintains a comprehensive calendar for upcoming events at that web site. Complete direct contact information for David appears on page 2 of this Newsletter.



Preview highlights about the JT65A-HF presentation at the upcoming meeting.

Terry / WA5NTI is a real expert on this subject - don't miss this presentation or the meeting!

JT65-HF is an amateur radio digital mode using software written by W6CQZ; it is an extremely efficient weak-signal mode – it is possible to decode signals you simply cannot hear with your ears in audio and can barely see on your waterfall display. JT65-HF is so labeled because it sends 65 discrete audio tones, spread out over 175Hz of bandwidth. The “JT” part comes from the original creator’s name, Joe Taylor (K1JT) - the 1993 winner of the Nobel Prize in Physics, and the author of the excellent HSMS and EME software known as WSJT.

JT65 is a tightly structured protocol with a severely limited set of structured messages and a limited ‘free text’ message type limited to 13 characters in length. In any one minute period you may send any one of the structured message types, 13 characters of text or any one of the 3 shorthand messages.

JT65 is not a free form data transmission protocol like most other modes we use. Each transmitted ‘frame’ is of a fixed length, starting and ending at a predefined time. By using this restrictive timing arrangement and a fixed frame length it becomes possible to achieve some “signal gain” by knowing when and where to look for signals.

What you need (recommended configuration), most of which you likely already have or can obtain “free”:

An HF Transceiver; PC Computer with: JT65-HF.exe software, JT-ALERT.exe software, SP TimeSync.exe software; PC needs at least a standard Soundcard interface. JT65A works through your computer audio soundcard and the audio input and output from your HF transceiver when operating in the USB mode. Details about how to hook up the equipment and load the software will be provided during the presentation.

WHERE TO LISTEN - any HF band - if you know the narrow frequency range used by JT65A operators on each HF band. Details about the frequencies will be provided at the presentation. This mode has become very popular through the USA and the world and it is possible to “work all states” and a lot of DX countries in short order using JT65A.

IMPORTANT INFORMATION ABOUT ALL JT65A FREQUENCIES / BANDWIDTH USAGE: JT65A operators use USB VFO FREQUENCY for spots; the JT65A signal is about 1.3-kHz higher than the VFO frequency; the JT65A Passband is about 355Hz. Bandwidth is about 200Hz; JT65A may be used in the 500Hz bandwidth mode segments of bandplans; normal operation of JT65A is a sync audio frequency of 1270.5Hz; the sync tone is the reference mouse-click frequency for JT65; JT65A signal bandwidth extends about 200Hz above 1270.5Hz sync; the lowest tone of the JT65 signal is normally 1270Hz; the software system allows approximately +/-600Hz auto-tuning on receive without adjusting your transceiver tuning knob.

Special Notes on Good Operating Procedure:

1. Operators should be careful of frequency selection, accurate clock, and calibration.
2. Always listen and observe the waterfall spectrum of signals on the frequency before transmitting, and during activity.
3. JT65A is a weak signal digital QSO mode.
4. Always use very low power on HF to avoid QRM to other JT65 signals and other modes.
5. 20 Watts ERP is typical for normal activity and DXing in the 40 meter to 10 meter bands.
6. Normal activity of JT65A is in the “weak signal” part of the ham bands, near the PSK, MFSK, and Olivia 500 frequencies.
7. JT65A should not be used in parts of the ham bands where faster digital modes are in use.
8. The long tone carrier duration of JT65 transmissions has potential to cause severe interference to other modes.
9. Do not use JT65 in 10144kHz-10150kHz because JT65A is NOT COMPATIBLE with MFSK, FSK, HELL, OLIVIA, CONTESTIA, ALE400, or RTTY and can cause severe interference to fast time-sharing modes such as PACKET, PACTOR, ALE, PSKmail, and APRS.

FOR FURTHER, MORE IN-DEPTH information, Google “JT65A” and study the info at the links. More detailed information and links for downloading the necessary software will be provided during the presentation.

# ARRL 2013 Field Day - Submission by the OVH (prepared by Bill / N4SV)

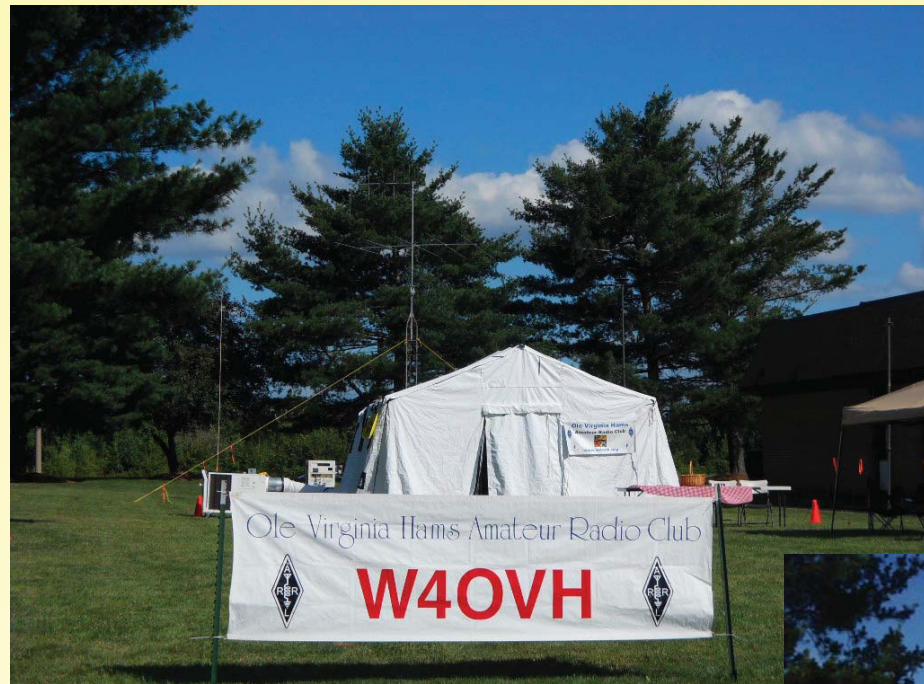
- 1. Field Day Call: W4OVH GOTA Stn Call: W4PVA X Set-up in Public Place
- 2. Club Name: Ole Virginia Hams ARC, Inc. Information Booth
- 3. Number of Participants: 32 X NTS message to ARRL SM/SEC
- 4. Transmitters in simultaneous operation: 4 W1AW Field Day Message
- 5. Entry Class: Check only one. X Formal NTS messages handled (# 10)
- X A. Club or non-club portable Satellite QSO completed
- B. 1 or 2 person non-club group portable Natural Power QSOs Completed
- C. Mobile Site Visited by invited elected official
- D. Home station commercial power X Site Visited by invited served agency official
- E. Home station emergency power Educational Activity Bonus
- F. Emergency Operations Center X Youth Element achieved (# 2)
- 6. Check All power sources used. X GOTA Bonus (total bonus points: 100)
- X Generator X Submitted using the b4h.net applet
- Commercial mains Total Bonus Points Claimed: 1090
- Battery 16. We have observed all competition rules as
- Solar well as all regulations for amateur radio.
- Other (list) Our report is correct and true to the best of
- 7. ARRL / RAC Section: VA our knowledge. We agree to be bound by the
- 8. Total CW QSOs: 29 X 2 = 58 decisions of the ARRL Awards Committee.
- 9. Total Digital QSOs: 100 X 2 = 200 Date: 07/04/2013
- 10. Total Phone QSOs: 353 X 1 = 353 Call: W4OVH
- 11. Total QSO points: 611 Signature: Bill South / N4SV for OVH
- 12. Power Multiplier (select only one) E-Mail Address: n4sv@arrl.net
- 5 Watts or less and Battery powered = 5 OpsPeriod: 2013/06/22 W4OVH - 2013/06/23 15:59
- X 150 Watts or less = 2 18. Callsigns of all operators and number of
- Over 150 Watts = 1 QSOs completed by GOTA Station: WA4YGI -31,
- 13. Power Multiplier: 2 WB4ZOH - 47, KK4MXU - 22, KK4MXT - 27, N4SV
- 14. Claimed Score: 1222 - 2
- 15. Bonus points claimed: Submission file created by N3FJP's ARRL Field
- X 100% Emergency power Day Contest Log Version 4.0
- X Media Publicity

Total Contacts by Band and Mode:

Band	CW	Power	Dig	Power	Phone	Power	Total	%
80	0	150	5	150	62	150	67	14
40	0	150	22	150	8	150	30	6
20	0	150	53	150	83	150	136	28
15	0	150	18	150	0	150	18	4
10	0	150	2	150	6	150	8	2
6	0	150	0	150	94	150	94	20
GOTA	29	150	0	150	100	150	129	27
<b>Total</b>	<b>29</b>		<b>100</b>		<b>353</b>		<b>482</b>	<b>100</b>

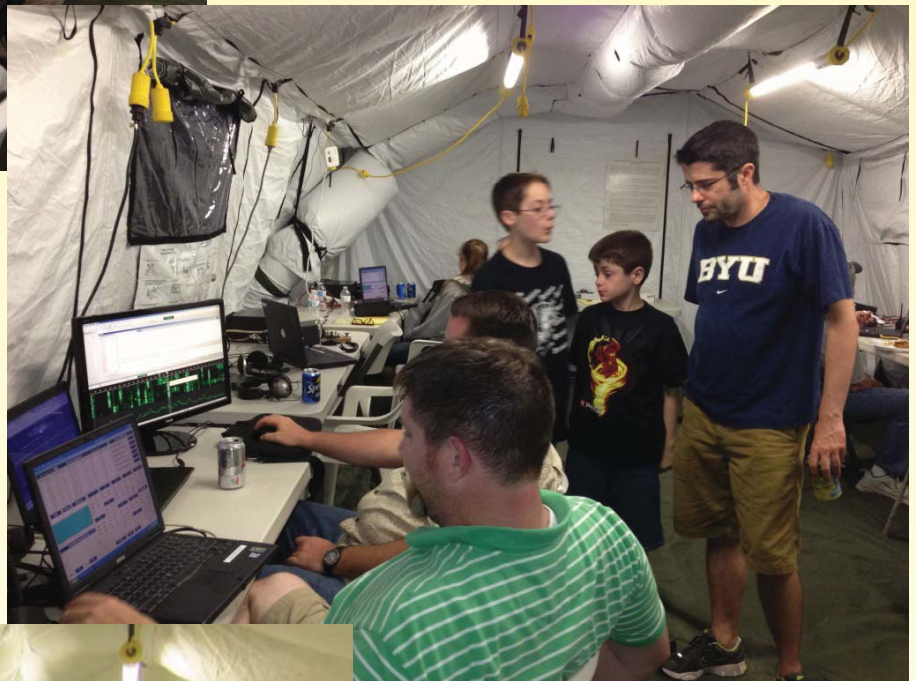
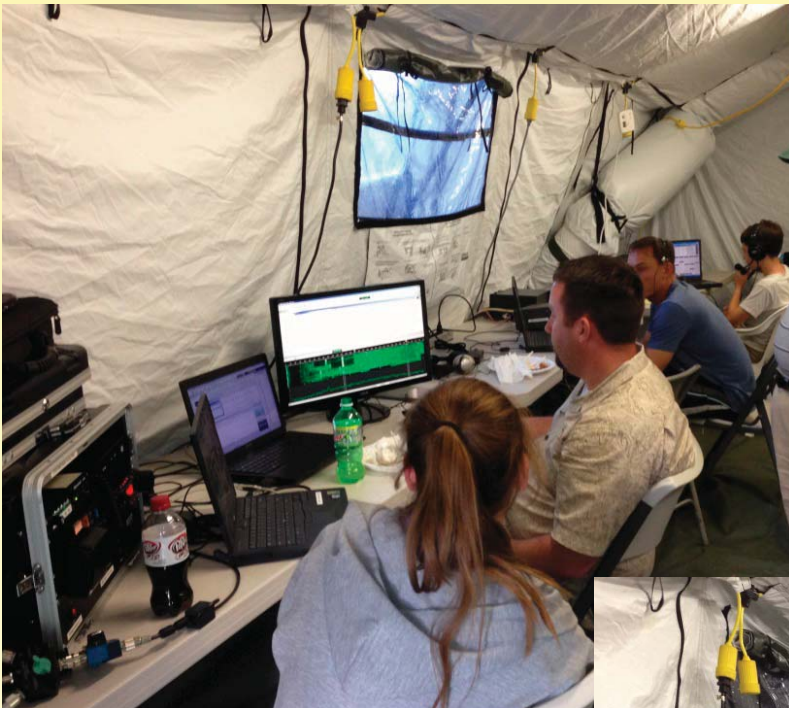


# A Few Pictures from 2013 OVH / ARRL Field Day



continued on following page







FELLOW ARRL  
AFFILIATED  
CLUBS PLEASE  
HELP US SPREAD  
THE WORD.

We are reaching out to our fellow ARRL affiliated clubs and ask that you help us spread the word about Shelby Hamfest. We are moving back to the Cleveland County Fairgrounds in Shelby NC after 5 years in Gaston County. Please announce our event through your newsletters, nets and at your club meetings! We'd love to see you there!! Help us celebrate our Homecoming by joining us on Labor Day Weekend!



<http://www.facebook.com/ShelbyHamfest>



CLEVENTTE NC 2822  
05 JUL 2013 PM 2 L

W4NYR  
SARCUB  
SHELBY AMATEUR  
RADIO CLUB  
PO BOX 2206  
SHELBY, NC 28151

000717451 06/14/2013 CONVENTION #A40VH  
Old Virginia Ham's ARC Inc  
PO Box 1265  
Manassas VA 20108-1265  
USA



# 2013 ARRL NC SECTION CONVENTION SHELBY HAMFEST



AUGUST 31 & SEPTEMBER 1, 2013  
LABOR DAY WEEKEND

AT THE CLEVELAND COUNTY FAIRGROUNDS IN SHELBY, NC

## MANUFACTURERS & DEALERS

There will be new equipment dealers inside and outside at our hamfest. There will also be manufacturers on hand to show their latest products. For info on becoming a vendor: Inside: [inside@shelbyhamfest.org](mailto:inside@shelbyhamfest.org) or Outside: [outside@shelbyhamfest.org](mailto:outside@shelbyhamfest.org)

## LARGE FLEA MARKET

There will be a large flea market area with lots of great used equipment and other things to see! Groups and individuals utilize spots for everything from flea market to a gathering spot for members of their groups to fellowship. Admission tickets will not guarantee a flea market space. For More info: [chairman@shelbyhamfest.org](mailto:chairman@shelbyhamfest.org)

## CAMPING

This year's hamfest will offer full hook up camping spaces. Yes, FULL HOOK-UP with Power, Water and Sewer! There are also Showers on the grounds for those who opt to tent camp at this year's hamfest. These spots can be reserved on a first come first serve basis by contacting George Potat at [camping@shelbyhamfest.org](mailto:camping@shelbyhamfest.org)

## VE TESTING

There will also be VE testing available on Saturday only. WCARS is providing the testing service for a cost of \$10.00. For more information: [testing@shelbyhamfest.org](mailto:testing@shelbyhamfest.org)

## PRIZES

### PRE-REGISTRATION PRIZE



**hy-gain.**

HYGAIN TH-3MK4 - 10/15/20 BEAM  
MANUFACTURERS PRICE \$469.95

### SATURDAY MAIN PRIZE



**AMERITRON**

AMERITRON 811H

### SUNDAY MAIN PRIZE



FLEX RADIO SYSTEMS FLEX 3000

HOURLY PRIZES  
DUAL BAND HTS

\*BRAND/MODEL HT SUBJECT TO CHANGE  
DUE TO AVAILABILITY

YOU DO NOT HAVE TO BE PRESENT TO WIN

## FORUMS

Scheduled to appear:  
Fred Lloyd, Founder of QRZ.com  
Barry Baines, President of AMSAT  
Bill Morine, NC Section Manager  
And others TBA

## SUNDAY SCHOOL

A tradition we are proud of, our hamfest holds Sunday School on the grounds for those attending the hamfest. Come out and worship with us while you're here.

## BINGO

Sunday Only, for the Ladies and Children, there will be Bingo after Sunday School. A favorite each year.

HOTEL INFORMATION AND OTHER  
INFORMATION AVAILABLE ON  
[WWW.SHELBYHAMFEST.ORG](http://WWW.SHELBYHAMFEST.ORG)

\$6.00 PRE-REGISTRATION  
\$8.00 AT GATE  
CHILDREN 12 & UNDER FREE

## Contact Us

SHELBY HAMFEST  
PO BOX 2206  
SHELBY, NC 28151

(980) 295-5151  
[chairman@shelbyhamfest.org](mailto:chairman@shelbyhamfest.org)

ORDER TICKETS ONLINE:  
[www.shelbyhamfest.org](http://www.shelbyhamfest.org)



The Shenandoah Valley  
Amateur Radio Club

ARRL APPROVED HAMFEST



# 63<sup>rd</sup> Annual Berryville Hamfest and Computer Show

## Sunday, August 4, 2013

### Clarke County Ruritan Fairgrounds, Berryville, VA

- GATE OPENS AT 6:00 AM
- DONATION \$6.00, children under 16 free
- ADDITIONAL \$10.00 per space for TAIL-GATERS
- INDOOR VENDOR TABLES BY RESERVATION (see below)
- SPECIAL EVENT PRICING AT HAMPTON INN (1204 Berryville Ave., Winchester, VA)
- CAMPER SPACE IS \$15.00
- TALK-IN ON 146.82 (-), W4RKC

Country Ham &  
egg breakfast at  
7:00 AM.

Ruritan's famous  
chicken & beef  
barbecue from  
11:00 AM.

Grand prizes and  
hourly drawings.

Download this flyer and vendor table forms from:  
<http://www.w4rkc.org/hamfest>.

**VE Exams** will be given by the **Laurel Amateur Radio Club VE Team of the LARC VEC** at the Cooley School across from the Hamfest. Walk-ins are welcome. Testing begins at 12:00 noon. Photo ID is required. For more information, contact John Creel, [WB3GXW@arrl.net](mailto:WB3GXW@arrl.net); 301-572-5124

For more vendor information, contact:  
John (WD4GEK) or Elizabeth (W4EHC) Cottrell  
[BerryvilleHamfest@gmail.com](mailto:BerryvilleHamfest@gmail.com) Phone: 540-436-3818