

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+ (temporarily - limited functionality)
Web Site at <http://w4ovh.net>

OLE VIRGINIA TIMES

July 2019

Next Meeting: Tuesday, July 16, 2019

PRESIDENT'S LETTER:

Hello everyone! Is everyone breathing a collective sigh of relief? Last month (June) was busy and I mean very busy!

The Warrior Ride was followed by the Manassas Hamfest and then by the ARRL / OVH Field Day in rapid succession with a regular OVH meeting in between. What a relief to have nothing (relatively little) to do since last month. The amazing thing about last month was how well everything turned out.

The Warrior Ride was perfect thanks to Andy / KJ4MTP, who for many months, met with the SOWW committee to help organize the OVH's participation.

And the 45th Manassas Hamfest, with so many changes, like the new location because the location at the Prince William County Fairgrounds used for the last 44 years was no longer viable, changing from Sunday to Saturday, and having it later in the month of June than usual - who knew it would ultimately turn out so well. The almost perfect weather for a hamfest certainly helped a lot. Thanks to Don / WA2SWX, and his team for a very successful Hamfest. Many of the attendees expressed great surprise and pleasure with the new location, and advised they would be back again next year. See many pictures from the 45th Manassas Hamfest later in this newsletter.

The OVH's ARRL Field Day event at the Nokesville Community Park was a lot of fun again this year even though we didn't earn as many Field Day Contest points as in recent past years. Blame that somewhat on the relatively poor radio propagation. The food as always was great thanks to Phil / AC4PL who cooked for us again this year. We actually had an elected official Lee J. Carter, who is a member of the Virginia House of Delegates for the 50th District, stop by for dinner and he participated in our Fox Hunt event. Many members also came out to socialize and enjoy the company. Special thanks to Theresa / KG4TVM, for all she did leading up to Field Day; to Cat / KM4PBD for running the Fox Hunt event and our CW ops team comprised

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Ole Virginia Hams Amateur Radio Club, Inc.

Post Office Box 1255
Manassas, Virginia 20108

OFFICERS

President:	Byron Dillon	AK4XR	222-2095
Vice Pres:	Jeff Fuller	WB6UIE	791-5916
Secretary:	John Heartney	KG4NXT	257-3566
Treasurer:	Don Meyerhoff	WA2SWX	597-3211

DIRECTORS

Don (Butch) Blasdel	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 2019 - Chairman

Don	WA2SWX	597-3211
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FIELD DAY 2019

Byron	AK4XR	222-2095
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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

Open

ARES - EMERGENCY COORDINATOR

David Lane	KG4GIY	703-628-3868
email: KG4GIY@ARRL.NET		
Prince William County ARES website	http://pwcares.org	

FINANCE

Arthur	W1CRO	791-4330
Mark	WA4KFZ	818-8033
Don	WA2SWX	597-3211

GENERATORS

Steve	N4OGR	361-0008
Al	KB4BHB	368-4794

HISTORIAN

Theresa	KG4TVM	257-3566
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WEB COMMITTEE — W4OVH.NET

Kevin	KX4KU	540-439-3289
Andy	KJ4MTP	786-4651
John	KG4NXT	257-3566

TWITTER & FACEBOOK ACCOUNT MODERATOR

Jeff	KM4FTK	830-4155
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EMAIL REFLECTOR — w4ovh@googlegroups.com

David Lane	KG4GIY	628-3868
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JOTA - 2018

John	KG4NXT	257-3566
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LEGAL

Bob	K4HJF	282-2451
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MEMBERSHIP CHAIRMAN

Luther	WA3FMO	361-4885
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NEWSLETTER

Paul	W4ZB	754-0910
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NEWSLINE FOR THE WEEKLY NET

John.	KG4NXT	257-3566
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PROGRAMS

Jeff	WB6UIE	791-5916
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QUARTERMASTER

Steve	N4OGR	361-0008
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REPEATER CONTROLLERS

John	KG4NXT	257-3566
Ken	KE2N	753-8587
George	K4GVT	791-5956
Arthur	W1CRO	791-4330
Butch	W4HJL	369-2877
Steve	N4OGR	361-0008
David	KG4GIY	361-3042

W4OVH — TRUSTEE

Wayne	N7QLK	571-237-0520
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W4PVA — TRUSTEE

Arthur	W1CRO	791-4330
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SCHOLARSHIP

Sandy Knight	KM4JUS	901-4664
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SUNSHINE

Theresa	KG4TVM	257-3566
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TECHNICAL COMMITTEE

Ken	KE2N	753-8587
Andy	KJ4MTP	786-4651
George	K4GVT	791-5956
Arthur	W1CRO	791-4330
Butch	W4HJL	369-2877
Bob	K4HJF	335-1939
David	KG4GIY	628-3868

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 © 2019 by the Ole Virginia Hams.

The OVH ARC regular monthly meeting is at 7:30 p.m. every third Tuesday at the Buckhall Volunteer Fire Department Station, 7190 Yates Ford Road, Manassas, Virginia. Members, prospective members and other interested persons are invited to attend without obligation. Local information can also be obtained through the OVH's FM repeaters on 146.970-, 224.660-, 442.200+ and 443.500+ MHz. The OVH's two D-Star repeaters on 146.865- and 442.5125+ MHz are temporarily operating with limited D-Star capabilities. 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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mostly of Wayne / AG4ZZ, Jeff / K9VEG, Dick / WN7S; our message handling crew: (Tony / KM4KLF and Dick / WN7S); all those who came out to help set up, and those who came out and stuck around help with the pack up after Field Day ended. See pictures from Field Day later in this newsletter.

There is a Mini-Tri on the 28th of July headed up by Ray KM4EKR, since Andy KJ4MTP will be out of town. Look for sign up requests on the reflector, or email Ray KM4EKR.

I wanted to mention the dangers of reading some of the threads on the OVH reflector if you are concerned about keeping on a budget. There I was just reading along thinking how interesting the topic was and boom - now I have another radio. I am talking about a discussion about the ICOM 7300. Everyone was talking about how good a radio it was and I was thinking oh it's probably one I can't afford. Then someone mentioned its price and I was surprised. Then I found out it was on sale with a rebate too. Well at this point I was pretty much defenseless and unable to control myself - the next thing I remember was driving back from the "Toy Store" (HRO) with the radio and a number of accessories for it. It really looks sharp on my counter top. I look forward to using it a lot as things slow down and I did manage to get it setup and working for FT8.

I was looking forward to this years 13 Colonies event. I knew I wasn't going to get to operate until the 4th of July, but I thought it would be as easy as in previous years. You know, log most stations in a few hours and then get the rest over the next few days. Well, I was in for a shock. The QRN interference was so bad I could not hear many stations this year. I was frustrated. I tried late at night, early in the morning, and early in the evening. I tried running on battery power and shutting off the power to my house. No luck. My QTH's backyard is next to the back of a junior high school and I am starting to think that the interference is coming from there but I am not sure what can be done about it. I have complained in the past about them testing the fire alarm system at 5 am in the morning to the police. But they just ignored me. So you can see how I think my inquiry will go even if I have proof that they are causing the interference. Well I have some work ahead of me to get this addressed. I will try to keep you up to date.

Finally, I hope everyone will be able to make the upcoming regular OVH meeting on Tuesday evening, July 16th at 7:30 pm at the Buckhall Fire Station, Manassas. Hope to see you all there!

73 BYRON AK4XR

Sunshine Corner:

Happy birthday in July to OVH members: Jack / KN4HHQ, Steve / KB4OF, Ken / WB4ZOH, Philip / KI4WGC, Jeff / KM4FTK, George / K4GVT, Sandy / KM4JUS, Rosalie / NoCall, Dwight / N4GSD, Mary / KK4GOW, Jeff / K9VEG, Richard / KJ4ZIH, Luther / WA3FMO and Tony / KK4YZK.

If you are a new member and do not see your birthday listed in a correct month, please shoot me an email and let me know. The on line applications don't have a space for this information – kg4tvm@hotmail.com

Hope everyone had a great Fourth of July!

Congratulations to Don / WA2SWX on pulling together a very successful 45th MANASSAS HAMFEST! Also, thank you to everyone that helped along the way, it was a huge job and the results showed all the hard work. See many pictures from the Hamfest, including drone

Continued on page 4

pictures thanks to George / K4GVT who was able to use his new JDI drone.

Also congratulations to Byron AK4XR on putting another OVH / ARRL Field Day into the books, another great event for the club! See pictures from that too, including more aerial pictures thanks to George / K4GVT who also used his drone to assist with putting up the wire antennas.

Wishes for a full recovery to Jim / KM4SXM for his recent hospital stay.

Condolences to George / K4GVT on the loss of the tower at his home due to a direct lighting strike - bad luck. George provide some pictures which appear later in this newsletter.

The Sunshine Corner is taking a break to enjoy the summer - see you back here in September (even though I've already prepared some material for August)! Even though I am taking a break, you may still send me items which should be reported: email: kg4tvm@hotmail.com or tel: 703-257-3566 or post them on the OVH email reflector, but I'll be away part of time so please do not expect me to be able to respond.

In the meanwhile, please try to check in to the Thursday night VHF/UHF FM net at 8:00 pm. You will hear updates and information on everything going on! How to do that is on the OVH web site at <http://w4ovh.net> and you can now also check in either by radio or via Internet connection.

73 Theresa KG4TVM

Minutes of the Ole Virginia Hams Amateur Radio Club Meeting held on Tuesday, June 18, 2019:

OVH President Byron / AK4XR, called the meeting to order at 7:30 pm on June 18, 2019 in the training room at the Buckhall Volunteer Fire Department Station.

After the Pledge of Allegiance, all present stated their names and callsigns.

Treasurer report by Don / WA2WX: Balances reported. Net gain for the club from the Hamfest estimated at about \$5,500. There was preliminary discussion about Hamfest itself, but Don will provide a more thorough report in July. The treasurer's report was approved.

The minutes of the May, 2019 meeting were approved without amendment.

Membership report by Luther / WA3FMO: Wayne Rash / N4HCR was voted in as a new OVH member. Member applicants, Mike Campbell / KM4EFG and Joseph Kitchell / KM4UYA were both read in, both to be voted on at the July meeting.

Training Report by Mark / WA4KFZ: A new "What Now" session will be held in near future.

Field Day report by Byron / AK4XR: Come to the OVH / ARRL Field Day event at the Nokesville Community Park this coming weekend and plan to have dinner with us on Saturday when Cat / KM4PBD will be running the Fox Hunt event. Phil / AC4PL will be cooking again this year. More operator are still needed for overnight on Saturday Night.

Sunshine Report by Theresa / KG4TVM: Sunshine corner may take a break for two months.

IT Committee report by Kevin / KX4KU: Spent \$85 to upgrade the Web calendar software. This is a function that we use a lot. Ken / KN4DD, is coming on board as a new IT Committee member.

JOTA report by Rob / W4FSK: There will be World Boy Scout Jamboree in West Virginia beginning

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in July using the callsign: NA1WSJ. Please work them if you can. More info at <http://k2bsa.net>

Byron / AK4XR lead a discussion on using Paypal for new members and renewal. There will be a meeting on this and membership workflow in September.

Chick / KC1PIA, won the 50-50. He donated his winnings to the club and was applauded.

The meeting was then adjourned.

Reminders about some upcoming events / calendar dates:

HAMFESTS:

Sunday, August 4, 2019, gates open at 6:00 am - Berryville Hamfest - for the 69th time - put on by the Shenandoah Valley Amateur Radio Club in Berryville, Virginia. This is one of the favorite “local” summertime hamfests, about a one hour drive from the Manassas area which is always well attended. Lots of OVH member usually go to it so ask around if you need a ride. More information at the web site: <https://svarc.us/hamfest> and in their hamfest flyer below.

HAM RADIO RELATED:

Wednesday evenings at 19:00 - OVH Slow Speed CW net on 10 meters. Get more details and info from Jeff / K9VEG and on the email reflector.

Friday - Sunday, September 20 - 22, 2019, Detroit, Michigan - the 38th Annual ARRL and TAPR Digital Communications Conference (“DCC”). Years ago and originally, the DCC was focused on amateur packet radio systems and operations, but in more recent years, it has included many presentations on and relating to many of the “new” digital HF modes, customized ham radio related computer systems (e.g., using the Raspberry Pi), etc. Many of the most active ham participants in those particular activities attend from around the US and from around the world, and there is always something new to learn. The location of the DCC moves all around U.S., each year so if Detroit is too far away for you, check it out next year. Lots more information at <https://www.tapr.org/dcc.html>

HAM RADIO OPERATING / CONTEST EVENTS:

July 21, 2019 - August 1, 2019. The World Boy Scout Jamboree will be on the air from West Virginia. Details about what frequencies to watch to find them are on the event web site: <https://k2bsa.net/jamboree-live>

The ARRL has a Contest web page at its web site, but a much more comprehensive, up-to-date, and long range planning contesting calendar with links to the rules for the various events is maintained at <http://www.hornucopia.com/contestcal> by WA7BNM. If you get the radio contesting bug or just want to find out what and how much is going on, that is a good place to look!

PUBLIC SERVICE / ARES EVENTS

Sunday morning early, July 28, 2019 - another Mini-Tri event for which the OVH provides communications support. Contact Ray / KM4EKR to participate, and keep an eye on the OVH email reflector for more information from Ray.

Check the online Calendar by David / KG4GIY at <http://pwcares.org> for the latest PWC ARES 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.

VP's Corner

Jeff Fuller
WB6UIE

June was quite a busy month for the club. In a span of two weeks we managed to cover the Warrior Bike charity event, Hamfest, Field Day, and a MiniTri - flawlessly. Well done Team OVH!

In addition to celebrating our nation's independence, this July marks another important anniversary - the 50th anniversary of man's first landing on the moon. As a youngster I can remember being awestruck by those first TV pictures from the moon. It wasn't until a few years later while pursuing a technical degree that I began to appreciate just how daunting a task the communications link design for the Apollo missions was. Among the challenges:



- A path loss of over 200db ruled out the VHF communications used on earlier missions. A special S-Band (2GHz) radio and deployable parabolic antenna had to be developed to link those on the moon with earth. Transmission delay was about 1.25 seconds each way.
- There were no small handheld TV cameras until NASA had one designed for the Apollo program.
- Desktop workstations and most of the CAD software we take for granted today had yet to be developed. NASA engineers wrote their own software in FORTRAN which ran on an IBM mainframe.

Amateur radio entered the challenging space environment in December 1961 with the launch of the OSCAR 1 satellite. Designed after hours in home workshops by a group of hams employed in the space industry, its 2 meter beacon sent the Morse letters "Hi" to amateurs around the world. Follow-on launches from Project OSCAR (for Orbiting Satellite Carrying Amateur Radio) offered hams a variety of space based repeaters.



OSCAR 1

As interest in amateur satellites grew, AMSAT (The Radio Amateur Satellite Corporation) was formed as a nonprofit in 1969 to "embrace and expand on the work started by Project OSCAR" [2] In the years which followed, AMSAT coordinated teams from a variety of nations in the development and launch of 20 amateur satellites into orbit. AMSAT is sponsoring a 50th Anniversary Awards program this year.[2]



It has been a while since we've had a space presentation. Let me know if this area is of interest and I will schedule some demos.

Further reading

1. CQ Magazine June 69: "Said the Spider in the Sky" by Howard Kelley K4DSN
<https://www.ab9il.net/aviation/cq-06-69.pdf>

2. AMSAT web page: : <https://www.amsat.org/amsat-50th-anniversary-awards-program/>

K4GVT's shattered antenna mast still at the top of his tower - Post-Lightning Strike (the tower took a direct lightning hit - photos were taken using a JDI drone camera)



OVH Field Day - Fox Hunt: Event Organizer, Getting Ready for the hunt & the Winner (L-R)



4th Of July Week - 13 Colonies Special Event

JULY 1ST - JULY 7TH, 2019

OLDE FORT TICONDEROGA, NY. - 1777
(Fully Restored in 1909 With Original Period Cannon)

God Bless America

BUILT BY THE FRENCH, OCCUPIED BY THE AMERICANS & CAPTURED BY THE BRITISH.

THIS IS TO CERTIFY THAT ARS: KG4NXT HAS PARTICIPATED IN THIS 4TH OF JULY WEEK CELEBRATION HONORING THE ORIGINAL 13 COLONY STATES & THE INDEPENDENCE OF OUR NATION IN 1776.

CONTACTS
13
All 13 Colony States
Clean Sweep

WM3PEN
KEN VILLONE-KU2US: Manager *Ken Villone*

GB13COL

MANAGER
K2Z/KU2US BONUS

K2A - NY.
K2B - VA.
K2C - RI.
K2D - CT.
K2E - DE.
K2F - MD.
K2G - GA.

K2H - MA.
K2I - NJ.
K2J - NC.
K2K - NH.
K2L - SC.
K2M - PA.

Over the 4th of July week, many OVH club members participated in the annual Thirteen Colonies special event. The object was to work special event stations in each of the thirteen colonies. OVH member, David / KK4ZUU, was one of the Virginia operators authorized to use the special event call K2B for the Virginia colony station. There were bonus stations for the Liberty Bell (WM3PEN) and England (GB13COL). To the left is the Thirteen Colonies special event participation certificate issued to John / KG4NXT.

A few images from the 2019 Manassas Hamfest - pictures from Cat / KM4PBD and George / K4GVT



The August 2019 OVH Newsletter will have many more pictures from the 2019 Manassas Hamfest! Just not enough room here this month.

W4OVH -- 2019 Field Day Results - Score Report Submitted to the ARRL

Call Used: W4OVH GOTA Station: (NONE) ARRL/RAC Section: VA Class: 3A

Entry Submitted by: John Heartney, KG4NXT E-mail: kg4nxt@arrl.net

Participants: 30 Club/Group Name: Ole Virginia Hams

Power Source(s): Generator, Battery, Solar

Power Multiplier: 2X

Preliminary Total Score: 2,758

Bonus Points:

Bonus	Points	Status
100% emergency power	100	
Media publicity	100	Field Day 2019 press release.pdf
Public location	100	
Public information table	100	Documented by info_table.jpg
Formal msg to ARRL SM/SEC	100	Documented by SM message.txt
W1AW Field Day message	100	Documented by field day bulletin.pdf
Msgs handled (10x10 max	100	Documented by NTS messages.txt
Natural pwr'd QSOs	100	Documented by solar power.jpg
Visit by elected official	100	
Visit served agency	100	
Educational activity	100	
Safety officer	100	Documented by SAFETY OFFICER.PDF
Social media	100	
Entry submitted via web	50	
Total bonus points	1,550	

QSO Score Summary:

	CW	Digital	Phone	Total
Total QSOs	200	133	38	
Total Points	400	266	38	704

Claimed Score = (QSO points x power mult=2) = 1,408

Band/Mode QSO Breakdown:

Band	CW		Digital		Phone	
	QSOs	Pwr(W)	QSOs	Pwr(W)	QSOs	Pwr(W)
80m	27	100	6	100		
40m	98	100	68	100	26	100
20m	68	100	56	100	3	100
15m	7	100				
10m			1	100		
6m					9	80
2m			1	100		
432			1	100		
Total	200		133		38	

A few images from the 2019 OVH / ARRL Field Day at the Nokesville Community Park





The Shenandoah Valley
Amateur Radio Club, Inc.

ARRL APPROVED HAMFEST

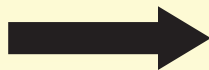


69th Annual Berryville Hamfest

Sunday, August 4, 2019

Clarke County Ruritan Fairgrounds
890 W. Main St., Berryville, VA

- GATE OPENS AT 6:00 AM • VENDOR BUILDINGS OPEN BY 8:00 AM



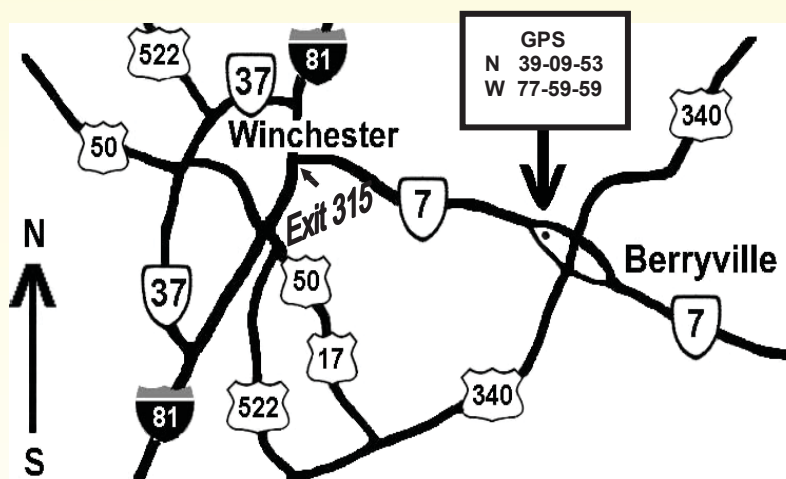
DONATION \$10.00, children under 16, free

- ADDITIONAL \$10.00 FOR A TAIL-GATE SPACE (First come, first served)
- INDOOR VENDOR TABLES BY RESERVATION (see below)
- SPECIAL HOTEL PRICE: HAMPTON INN (1204 Berryville Ave, Winchester 540-678-4000)
- \$15.00 FOR A CAMPER SPACE~~ **RURITAN RULES: NO Pets, Pornography, or Weapons**

Country Ham & Eggs
Breakfast at 7:00 AM

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

Grand Prizes:
HF Rig; VHF Rig;
Power Supply;
and hourly drawings



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

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

For more vendor information, contact: John (WD4GEK) or Elizabeth (W4EHC) Cottrell
BerryvilleHamfest@gmail.com • Phone: 540-436-3818 • If no answer: 540-333-0837