

OLE VIRGINIA TIMES

June 2019

Next Meeting: Tuesday, June 18, 2019

PRESIDENT'S LETTER:

Hello everyone, I hope you are having a wonderful June. Lately the weather has been great.

And the weather was good for the SOWW "Warrior Ride" for which the OVH provided communications support. Special thanks to Andy / KJ4MTP for organizing OVH's participation in this worthy event to help our veterans through the Serve Our Willing Warriors group. The SOWW does so much for our recovering veterans and their families. I want to mention that there were non club members helping out too. Thanks to the WA4TSC repeater group, we were able to use the WA4TSC 147.300 Mhz repeater during the event. I heard some hams who were listening on that repeater volunteer for next year's event. It was very well organized by Andy and hence went without a hiccup. I know I will be looking forward to next years "Warrior Ride".

The month of June always a very busy one with two major OVH events every year: the Manassas Hamfest and ARRL/OVH Field Day. This year those two major events are only a week apart and with our club meeting in between means all of us will be especially busy over the next week or so.

Set up for the Manassas Hamfest at the new location at the Manassas Park Community Center (99 Adams Street) will be on Friday evening (June 14th), with the Hamfest itself taking place beginning early on Saturday morning, June 15th. We are close enough to the event as I write this that I can confidently report that the weather look almost perfect for a very good Hamfest. Hamfest committee chairman, Don / WA2SWX and his supporting group have done an excellent job again and everyone is looking forward to a very good Manassas Hamfest for the 45th time. There are so many things to like about our new Manassas Hamfest location this year from the OVH's perspective; the top three IMHO are: 1. We don't have to paint lines for tailgating; 2. We don't have to set up tables; 3. We get to sell food using the kitchen at the facility.

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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) 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 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>

Articles and quotations in the OVH Times newsletter may be reprinted if credit is given to the OVH ARC and any other noted source. Proposed materials for publication including pictures, articles, letters to the editor, classified ads, notes about specific errors, complaints or the like are solicited from all readers. Forward such items to the OVH Times Newsletter Editor: PAUL@W4ZB.COM as soon as available at any time, but the cutoff deadline for the OVH Times each month (usually the second Monday of the month) may preclude publication/correction until the following month.

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The other major club event, ARRL/OVH Field Day will take place on Saturday and Sunday, June 22nd and 23rd, 2019 at the Nokesville Park (12560 Aden Rd., Nokesville, VA 20181). A lot of club members have also working to make this year's Field Day event a success again. You should read through the Field Day packet put out by the ARRL (<https://tinyurl.com/2019-ARRL-OVH-FieldDay>) if you are new to Field Day or want to refresh you recollection. It is a fun event, but the ARRL Packet sets out what the participants can do to maximize the "points" from the activity. The OVH usually put up the lines to be used for erecting our antennas on Friday, which John KG4NXT usually organizes. This year we will try putting up lines using a small airborne drone thanks to George / K4GVT. George also plans to use the drone to take pictures of our Field Day activities. Times and additional details about Field Day will be announced at our upcoming regular OVH club meeting on Tuesday the June 18th. We begin setting up for Field Day on Saturday (June 22nd) around 8:00 am which starts with antennas. For those new to the hobby, Field Day setup similar to a setup you might do in an real emergency situation. We normally put up a loop antenna and a few GRV's and a OCF dipole antenna which I like since it does not require use of a tuner, unless you are on 160m. We then set up the logging computers, run the extension cords from the generator to each rig, and install the grounding at each rig's location and at the generator(s). Around noon we enjoy a lunch prepared by our club master chef, Phil / AC4PL, who always provides great food. We begin operations (making as many contacts as possible with the many other Field Day participants throughout the US and Canada at 2:00 pm. Again for those new to the hobby, we try to make as many contacts as we can in a 24 hour period, using phone, Morse code and the new digital modes. However we also get "points" for doing other things too. One way we can get "points" is if we can get a few youth to make one contact we can get 10 points per youth (18 and under). Our club tends to be more relaxed when it comes to Field Day. We don't have any sign up sheets or try to pressure people to commit to specific times to come out and operate. Having said that, we do need people willing to come out and operate overnight. After dinner on Saturday (more food prepared by Phil), we will have our "Education activity" which will be a Fox Hunt. It should be a good one: Cat KM4PBD, who won last years Fox Hunt, is in charge this year's Fox Hunt so it should be interesting. Bring your family members out for the dinner and they can participate in the Fox Hunt too. Our Field Day event also is a great time to talk to the other hams. I learn a lot just talking them.

Our monthly Breakfast Get Together this month conflicts with the Manassas Hamfest so that will not take place this month. Finally, I hope everyone will be able to make the upcoming regular OVH meeting on Tuesday evening, June 18th at 7:30 pm at the Buckhall Fire Station, Manassas. Many of us will be exhausted from the Hamfest, but the meeting will provide an excellent opportunity, right after the event, for a good debriefing about it. Hope to see you all there!

73 BYRON AK4XR

Sunshine Corner:

Happy birthday in June to OVH members: Jan / KE4TMW, Jim / KM4SXM, Steve / N4OGR, Derrick / KV4SH, Wayne / AG4ZZ, Gene / N4HFW and Bob / K4HJF.

Congratulations to Ahmed Hussain, who received a check for the OVH's 2019 Scholarship award! Special thanks to Sandy / KM4JUS and Butch / W4HJL for reviewing the applications submitted and selecting the awardee.

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The MANASSAS HAMFEST is almost here now! Looking forward to a great event on Saturday, June 15th. Thanks to Don / WA2SWX and the Hamfest committee for all their work, this has been a year in the making.

ARRL / OVH Field Day now only a little over a week away, also another great event for the club. Thanks to Byron AK4XR and the Field Day committee for planning this event.

Happy Father's Day to all the dads!

Sunshine Corner is taking a break to enjoy the summer - see you back here in September! 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.

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, May 21, 2019:

OVH President Byron / AK4XR called the meeting to order at 7:30 pm on May 22, 2019 in the main conference room at the Buckhall Volunteer Fire Department Station.

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

Sandy / KM4JUS , and Byron presented the Harry P. Vorhauer Scholarship to Ahmed Hussain. Ahmed attended Colgan High School and plans to attend University of Virginia majoring in Engineering and Applied Science.

Jay / NQ4T, gave a presentation on ZUMSPOTS and JUMBOSPOTS. He explained how they work and the costs and tradeoffs. He also touched upon what cross-modes are available.

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

Treasurer report by Don / WA2WX: Balances reported. The treasurer's report was approved

Membership report by Luther / WA3FMO: applicant Wayne Rash / N4HCR, was read in, to be voted on at the next meeting. James Buckner, KC5LJZ / was voted in as a new member.

Training Report by Mark / WA4KFZ: A new online "What Now" session is planned in June - check the OVH email reflector for details. He suggested that the OVH look at more VE sessions.

ARES report by Andy / KJ4MTP: AREA training was completed May 18th at the Prince William County McCort government complex.

Hamfest report by Don / WA2SWX: Tables at hamfest are sold out!!! There is still a great need for hamfest volunteers and a signup sheet was passed around. OVH is doing the food vending and we still need bake sale items.

No Repeater report this month.

Field Day report by Byron / AK4XR: A planning meeting was held. Byron has installed a kit

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on the club generator to greatly increase its run time. Cat / KM4PBD, is doing the fox hunt. Phil / AC4PL is doing the cooking again.

Mini-Tri report by Andy / KJ4MTP: Mother's day event went fine. Serve Our Willing Warriors (SOWW) Warrior Bike Ride is coming up on Saturday, 8 June 2019 and we are still short the number of volunteers we need for this event. There was also a call for volunteers for several Quantico events on June 15.

IT Committee report by Kevin / KX4KU: Normal function of web site and updating of the Wordpress components is taking place normally.

The club decided not to run the 50-50 this month because of time constraints - a long meeting.

The meeting was then adjourned.

Reminders about some upcoming events / calendar dates:

HAMFESTS:

Saturday, June 15, 2019 - Manassas Hamfest - for the 45th time - new day of the week and nearby new location this year - see flyer later in this newsletter.

Friday - Sunday, June 21 - 23, 2019 - Ham Radio in Friedrichshafen, Germany, spectacular location for the largest hamfest in Europe, just slightly smaller than Hamvention. ARRL and other US vendor exhibit there. More info at <http://hamradio-friedrichshafen.de> This conflicts with Field Day this year, but should be on every ham's "bucket list" to attend.

HAM RADIO RELATED:

Saturday - Sunday, June 22 - 23, 2019 - ARRL / OVH Field Day. The OVH Field Day setup and operation will again be from the Pavilion at the Nokesville Park this year. This is a major club radio operating and social event: save the dates on your calendar.

June 25, 2019 (Tuesday evening), 7 - 9 pm ET, Mark / WA4KFZ will be conducting another "Now What?" online session, an open Q&A forum, for the newly-minted as well as "seasoned" hams who just want to learn new things. This is primarily intended for OVH members but non-members are welcome to participate. To access the online forum, fire up your well browser and go to: <https://www.uberconference.com/imdump2> The optional telephone dial in number for the audio is: 703-940-5519. You can use your computer headset to access the audio or dial into the phone number to join the conversation. The preferred web browser is Chrome; Safari does not allow for file and screen sharing.

There will be no Saturday morning OVH breakfast this month (on June 15th) because it conflicts with the major local event, the Manassas Hamfest at that same time.

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.

HAM RADIO OPERATING / CONTEST EVENTS:

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

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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

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.

OVH Awards its 2019 Scholarship

At the OVH meeting on May 21st, Ahmed Hussain was presented with the 2019 Harry D Vorhauer Scholarship \$1,000 award and certificate by Sandy / KM4JUS, OVH Scholarship Chairperson.

Ahmed's application was one of nine (9) scholarship applications received. Ahmed will be graduating from Charles Colgan Senior High School in Manassas Virginia in June and will be attending the University of Virginia in the Fall in the School of Engineering and Applied Science.

He has been involved with a number of school activities including a member of the National Science Honor Society, Speech & Debate, and Future Business Leaders of America. His hobbies include STEM activities (batteries, planes, drones); building computers, using circuits, and model rocket design.



The OVH congratulate Ahmed on his accomplishments to date and wishes him well in his future educational endeavors.

Some Possibly Interesting or Useful Information

1. ARRL Field Day has been a very popular and well attended operating event since the 1930's. It is a fun event because anyone can participate in it: whether from a home or mobile station or by setting up in a temporary field location which was the original purpose. Temporary field locations to simulate emergency type operations was the one of the early purposes. These could be single op stations or two operator stations or multi-operator club type stations. Whether you are experienced with Field Day or a newbie, it is worth getting (at <https://tinyurl.com/2019-ARRL-OVH-FieldDay>) and skimming or reading the ARRL's Field Day package for 2019. You might want to look through some old QST's from previous years to read stories about participants in Field Days past.

2. Participate in Field Day and you will not only have a lot of fun, but may end up with some life long memories. In my second and third years as a ham (in 1962 and 1963 after finishing 10th and 11th grade), having learned that Field Day was as a massive and fun operating event in 1961, I teamed up with other local hams - a different one each year - and went all out to set up and operate Class B stations during Field Day.

In 1962, we managed to get hold of a generator and a Baker tent and to locate another non-ham teenager who had access to a sailboat, sailed out, introduced ourselves and got permission from the

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VP's Corner

Jeff Fuller
WB6UIE

June is shaping up to be a busy month for club activities. We'll have Hamfest, Field Day, and the Warrior Bike for the SOWW veterans charity.

Speaking of veterans, this month also marks another milestone, the 75th anniversary of the D-Day landing at Normandy. Imagine what it must have been like to maintain radio communications during the utter chaos as the first waves hit the beaches. Lets take a look at two radios which played an important role in bringing tactical comms to D-Day.

U.S. ground forces found themselves on the eve of WWII with large HF manual Morse radios for headquarters elements, but nothing portable enough for the company or squad level. After several R&D efforts, the winning bid went to Galvin Industries, a manufacturer of car and police radios. Galvin's design, the SCR-536, became the first production handheld tactical radio. It provided 300mW of AM voice on a single crystal controlled channel in the 3.5-6 MHz band. Range varied from a few hundred feet to about a mile, depending on terrain.

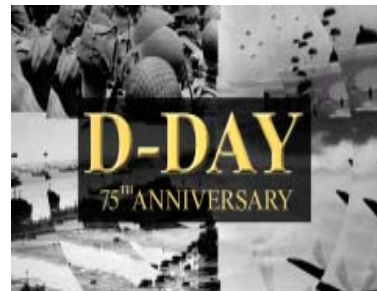
SCR-536 saw wide use among airborne units and others needing maximum portability. However, its AM modulation suffered from vehicle ignition noise and the operator couldn't change frequencies. Our soldiers needed something with longer range, noise immunity, and frequency flexibility.

Galvin again submitted the winning bid, this time convincing the military to go with the noise resistant FM used in its police radio line. The acceptance test wowed its audience with its noise immunity and advanced features, including a crystal calibrator and operator selectable channels at 200KHz

intervals in the 40-48 MHz band. Christened SCR-300 by the Signal Corps, the new backpack radio first saw action on the beach at Anzio and went on to perform well at Normandy and the Battle of the Bulge.

SCR-300's improved capability did come with a few tradeoffs. Its vacuum tube design weighed about 35 pounds and had a healthy appetite for batteries. And its operators soon learned a truism that carries over to today's troops. Somehow the guy with the antenna usually draws a lot more small arms fire than anybody else ..

After the war, Galvin Industries went on to pioneer still more radio communications firsts, including the cellular telephone. Along the way, the company changed its name to the more familiar one of today - Motorola.



SCR-536 / BC-611
handy talkie



SCR-300 / BC-1000
walkie talkie

Further reading

1. Warfare History Network: The SCR-300 Backpack Radio
<https://warfarehistorynetwork.com/daily/wwii/the-scr-300-backpack-radio/>
2. Olive-Drab : SCR-536
https://olive-drab.com/nd_electronics_scr536_nhh

owner of Sheffield Island, Connecticut in Long Island Sound to set up and operate from there during Field Day. Quite an adventurous and logistical undertaking for two 16 and 17 year old hams (with a non-ham sailboat sailor) but we succeeded in making hundreds of HF radio contacts with other Field Day participants all over the USA and Canada by operating during most of the 24 hour period. We sailed to the island, moored the boat to trees, unloaded all of our equipment and supplies and then set up in the woods, putting wire antennas into the short trees. We survived a very heavy and windy thunderstorm in our Baker tent during the event, but we continued to operate. The owner of the island who had a house about 200 yards away came through the woods to see our set up on the Saturday evening - and was astounded to see our handwritten radio contact logs and see what our small, self contained operation was doing - making contact after contact on CW and AM phone with other stations, many at quite long distances away. He then brought some of his house guests over to see what we were doing. What a bunch of fun that was! The other (older) ham who participated with me in that has also been a life long ham operator, he now resides in Florida. The non-ham sailor now lives in Colorado and Arizona.

The next year, 1963, our Class B Field Day set up was less ambitious logistically. We found a remote location on high terrain deep in the woods near the Mianus Reservoir in Connecticut. We could partially drive in over an overgrown trail so we drove off the paved road into the woods as far as we could go and parked, and then carried all equipment and supplies in for another hundred yards and set up. That year we skipped trying to figure out who owned the land or getting permission because the location seemed quite remote. The Field Day operations went well as in the previous year with lots of contacts everywhere on CW and AM phone on HF. What was different was we had a borrowed 2 meter AM transceiver (a Heathkit "lunchbox" rig) and were amazed to find that we could easily make 2 meter contacts from our Connecticut location to Long Island, New York City and even a few into Northern New Jersey using a homemade hand held and hand pointed short yagi antenna. We had a surprise visitor early on Sunday morning - a uniformed police officer who had followed our tire tracks from the edge of the paved road to our parked car in the woods and then hiked in further towards the sound from our generator to find out who we were and what we were up to. Apparently, someone driving by on the paved road on Saturday night had seen flickering lights in the woods and called the police to report that strange activity might be going on. We explained to the officer what were doing, he at looked our campsite and inspected our radio contact logs and asked questions about how we were making such distant radio contacts which we demonstrated to him. We admitted we had no permission from the landowner and didn't even know who owned the land - he didn't know either. He looked at our IDs which showed we were from a nearby town. Fortunately, he concluded we were not troublemakers and advised us for the future to get advance permission from the landowner and to be sure to leave the site in the woods as we had found it which we assured him we would do. What memories! The other ham who participated with me in that in 1963 has also been a life long ham operator, he now resides in Massachusetts.

3. Do you use the N1MM Logger+ software? If you do - or if you don't but have looked at it in the past - you may be pleased to learn that web site for that software has been completely revamped and rewritten. It is now shorter and easier to understand and find answers to your questions about N1MM Logger+. Check it out at <https://n1mmwp.hamdocs.com>

4. You didn't make it to Contest University in Dayton last month? Too bad! I didn't make it either, but the sponsors now have put many of their presentations online. Unfortunately, they don't yet record the audio for the presenters, but at least you can look at the slides from the presentations - there is a lot of information just in the slides. Go to: <https://contestuniversity.com/files> where you will find presentation slides from some earlier years too.

REMINDER



Yes, it is that time of year again!!!! Below is the 2019 Renewal Application.

Please fill out the form below (for database), attach your check and mail to the address below or drop off at a meeting. Be sure to update all information, including your e-mail address, telephone number(s) and nine digit ZIP

MEMBERSHIP RENEWAL APPLICATION "OLE VIRGINIA HAMS AMATEUR RADIO CLUB" for 2019

NAME: _____
ADDRESS: _____

CALL SIGN: _____
Home Tel: _____
Cell Tel: _____
Work Tel: _____
EMAIL: _____
BIRTHDAY: _____

ARE YOU PRESENTLY AN ARRL MEMBER? (YES/NO)
ARE YOU A VOLUNTEER EXAMINER: (YES/NO)
MAY YOUR TELEPHONE NOS. BE LISTED IN THE "Members Only" OVH ROSTER? (YES/NO)
WHAT IS YOUR PRESENT LICENSE CLASS? _____

Dues are now **\$20.00** per year and payable on January 1, 2019. Dues for each additional family member living at the same mailing address are \$10.00. Dues for a full time student at the college undergraduate or lower level [list school attended and grade or level:
_____] are \$10.00.

NAME AND CALL OF FAMILY MEMBERS:

AMOUNT ENCLOSING: _____

Name: _____
Name: _____

Call: _____
Call: _____

Return to: **Treasurer, OVH**
P.O. Box 1255
Manassas, VA 20108-1255

NORTHERN VIRGINIA'S LARGEST

Manassas Hamfest

AMATEUR RADIO, TECHNOLOGY & MAKER SHOW

An ARRL-Approved HAMFEST Presented By:

The OLE VIRGINIA HAMS Amateur Radio Club, Inc.



Note the new location - close to the former one - and the new day - Saturday - this year!

Saturday, June 15, 2019

New location at the Manassas Park Community Center with outdoor and indoor flea market areas, indoor air-conditioned commercial areas and ample parking

Street address: 99 Adams Street - Manassas Park, Virginia -- Talk-In Repeater on 146.97-

INDOOR EXHIBITOR SPACE

6-foot tables: \$30* each
with chairs & electricity
(\$25 if reserved by May 31th)
Setup 5:30 PM - 8:30 PM Friday
and 5:00 AM - 6:30 AM Saturday

GENERAL ADMISSION

\$10* per person at gate
(Age 18 and younger: no charge)
(*See web sites for prepayment discounts before 5/31/2019)
Gates open at 6:30 AM

TAILGATING (admission is extra)

Outdoor Spaces: \$10* per space
(*See web sites for details about online prepayment discounts before 5/31/2019)
Gates open at 6:30 AM

* Online ticket sales and vendor registration at <http://manassashamfest.org>

For our Most Current Vendor Info, Lists and Ticket Sales Visit our Web Pages:

<http://manassashamfest.org> and <http://w4ovh.net>

PRIZES

- Door prizes hourly 9 AM to 1 PM (be present to win)
- Major & Tailgate prizes awarded at 1 PM

INFORMATION

- ARRL Roanoke Division Officers attending
- Virginia QSO Party Forum and Awards
- New location this year: no pets or firearms are allowed
- Also, overnight camping: not allowed at the new location
- Check our web pages (below) for the most up-to-date information

ACTIVITIES

- Flea Market & Vendors - all day
- VEC License Exams: 8:00 AM - 12:30 PM (\$15.00 Fee per Examinee at the VE Exams)
- 4th Call Area QSL Bureau Representatives & DXCC QSL Card Checking will be available
- Amateur maker project demos
- Amateur Radio Satellite Forum
- Various technology and radio demos
- More Forums to be announced, check web sites

<http://manassashamfest.org> and <http://w4ovh.net>

Dealer Info from Don / WA2SWX: vendors@manassashamfest.org
 General Info from Don / WA2SWX: chairman@manassashamfest.org
 VE Testing / Exam Information: vetesting@manassashamfest.org