

June 2019

# THE MONITOR

Published Monthly for Shenandoah Valley Amateur Radio Operators — Members of MARA, VARA, and PVARC

## JUNE 1: VE EXAM SESSION REPORT

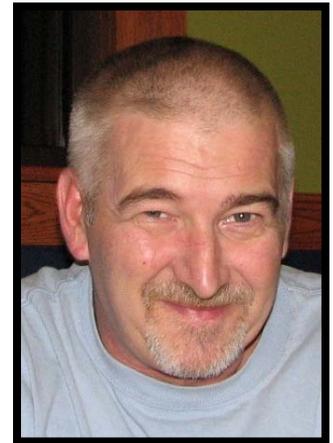
The June VE Session was held on June 1. The only thing that can be disclosed by the VE team is the overall statistics for the session. This session had five candidates pass Element 2 (the Technician class license exam), one pass Element 3 (General), and 1 pass element 4 (Extra).

ARRL VE rules do not permit the VE team to disclose individual results, or even the names of the candidates,. However, candidates themselves can freely inform the Monitor Editor of their success. Two local hams advised the editor that they upgraded at this session. **Scott Long KJ4SIT/AE** of Spring Creek, passed his Extra Class license exam. **Skip Stover, KN4UEN/AG** upgraded to General. Congratulations to these hams.

If you would like to be acknowledged for passing one of these federal examinations (which are all great accomplishments, regardless of level), let the Monitor editor know by email to [kd9la@arrl.net](mailto:kd9la@arrl.net), and he'll make sure you are properly recognized for your success.

A sincere "Thank You" goes to the local Volunteer Examiners who made this session possible... Shown below are.: **Ellsworth Neff K4LXG, Pat Morgan AK4VQ, Gerald Nauman KE4FM, Robert Moore KN3Y, Ray Ritchie K4NRA, Bob Hume W4TMV, Jim Lehman W4POL, Bryan Daniels K4RMY, Bradley Boyd W4BVB, and of course, Exam Coordinator Gayle Shull, KU4XN.**, who provided this information.

The next VE Session will be held on Saturday morning, September 7, at the Woodmen Building on John Wayland Avenue (Virginia State Highway 42), a mile north of Dayton, Virginia. The new General Class License Exam Question Pool will become effective July 1, 2019. So if you've been studying using the old question pool, you need to obtain a new study manual or other study aid which is based on the new question pool.



KJ4SIT/AE



# JUNE CLUB MEETINGS

## Tuesday June 4 – VARA Meeting: Hometown Grill and Buffet

The Valley Amateur Radio Association, Inc., will hold it's June monthly meeting on **Tuesday, June 4** at the **Hometown Grill and Buffet** just north of Highway 250, 1 block east of I-81's Exit 219 in Staunton. The meal begins at 6:00 pm, the business meeting starts at 7:00 pm, to be followed by a program by W4ZAO on Field Day. The program is of special interest to hams who have not participated in the joint MARA/VARA Field Day operation for the past couple of years.



## Thursday June 6 – MARA Meeting: Wood Grill

The Massanutten Amateur Radio Association, Inc., will hold its June monthly meeting on Thursday, **June 6** at the normal location: the **Wood Grill** at **1711 Reservoir Street in Harrisonburg**. Dinner starts shortly before 6:30 p.m. the business meeting starts at 7:30 p.m., followed by a program. All hams and visitors are invited and encouraged to attend.



## Thursday June 13 – PVARC Meeting: Tactical Walls

The Page Valley Amateur Radio Club June monthly meeting is **Thursday June 13** at the normal location, Tactical Walls, in Shenandoah. The address is 611 Williams Avenue, Shenandoah VA 22849. Tactical Walls is a manufacturing facility with a nice meeting room that is just east of highway 340 in Shenandoah. Turn east off 340, go about one block and drive through the gate in the fence and around to the door on the right.



# DAYTON DAZE



Several hams from the Shenandoah Valley attended the 2019 Dayton Hamvention at the Greene County Fairgrounds in Xenia, Ohio, and continued our tradition of meeting at lunchtime to trade information about gear and odds and ends they are seeking or have found.

Left Photo, Left to Right: **Alan Mann KD4ZRY** of Harrisonburg, **John Keller W4ZAO** of Verona (Augusta County), **Richard KR4V and Pam KC4HYT Wilkins** of Rockingham County, and **Bob Van Fossen K4DJG** of New Market (Shenandoah County).

Right Photo, Left to Right: Pam Wilkins KC4HYT, Bob Van Fossen K4DJG, John Keller W4ZAO, **Andrew Barbour AG4XN** of Fishersville, and **Richard Huttinger, AA4RH** of Swoope.

One of the most useful and beneficial parts of the Hamvention are the educational sessions. This year's session included several very informative sessions on digital HF, digital VHF/UHF, and software defined radios.

In 2020, the hamvention will be held on May 15, 16, and 17. Because the hamvention can attract up to 20,000 attendees, you should make your hotel reservations early. Plan to ask off from work so that you can leave with the group on Thursday, drive to Dayton, and be in line when the gates open on Friday morning.

The hamvention runs Friday through Sunday, although Sunday morning, most good deals are gone. Our local group usually leaves Dayton on Sunday morning, arriving home Sunday afternoon.



# DAYTON CONTEST UNIVERSITY

Contest University is held on the Thursday before the Dayton Hamvention starts on Friday. CU does cost a bit to attend, plus you have to go to Dayton a day early. But you get a free shirt, a big bag of free schotzkies (photo at right), and almost always, a free high-quality, silver-plated “N” Connector. And if you are active on the HF bands, it is money and time well spent, even without the freebies!

Here is a partial list of topics which have been presented at Contest University over the past few years:

- Everything you need to know about USB and Serial Interfaces
- The Advantages of Waterfall Displays for Contesting and DXing
- How to Record an Entire Contest so you can learn from your Mistakes
- CW and RTTY Skimmer, and the Reverse Beacon Network
- Operating the North American Sprint
- WinRad and CW Skimmer
- Adding a Software Defined Radio to an Single-Operator Two-Radio station
- Using a DX Cluster to the Max
- Antenna Secrets: Things Most Hams Don't Know
- Advanced Feedline Concepts That Make a Real Difference
- Amplifier Basics, Amplifier Intermediate, and Amplifier Advanced: Setup, Operations, and Maintenance
- Ten Common Equipment Failures at the Worst Possible Time: How to Prevent and Correct Problems



The information for some of these is available free on-line by going to QRZ.com and looking up N6TV. In addition to the N6TV sessions, you get many additional presentations on the latest hints and tricks of the new radios, new interfaces, computer connections, Internet resources, and more. Plus, you get to hear and rub shoulders (figuratively, not Bidenesque) with some of the very best and most famous contesters, DXers, and world radio champions almost all of whom attend this event.

Local hams who have been to this include local Contester Extraordinaire **John Keller W4ZAO**, as well as other local hams including **Jeff Rinehart W4PJW**, **Bryan Daniels K4RMY**, **David Fordham KD9LA**, **Bob Van Fossen K4DJG**, and lots of other local hams.



The photo above from the CTU website shows KD9LA and K4RMY (arrows) on the second row in their gray MARA club shirts, attending the 2016 Contest University session.

To the left is the plaque earned by the valley's Super-Contester **John Keller, W4ZAO**, for winning the high-score in Virginia and second highest in the nation in the Single Operator, Low Power category, in the 2018 ARRL 10-meter phone contest.

John has attended Contest University several times, almost every year for the past five years or so. Perhaps Contest University has something to do with his ability to work DX?

# DAYTON HARA ARENA DAMAGE

Before moving to the Greene County Fairgrounds in Xenia, Ohio, the Dayton Hamvention was held each year for since 1964 at the HARA Arena in, you guessed it, Dayton, Ohio. The HARA Arena suffered major damage in the recent outbreak of tornadoes that hit Ohio in mid-May – when the Hamvention used to be held! Below are some pictures of the venue showing some of the damage. Not only was the structural part of the facility damaged, almost every room suffered devastating interior damage, including destroyed seats, tables, ceilings, light fixtures, etc. It is unknown whether the facility can be salvaged or must be torn down.



## GREENLAND ON RTTY?

Has anyone worked Greenland on RTTY? If so please send me the call of the station you worked, so I can grovel and beg for a contact by sending the op an e-mail. I need Greenland to get the SARTG (Scandinavian Amateur Radio Teleprinter Group). I have worked Greenland several times on CW and SSB but that doesn't count. — **Bob Dixon W8HGH**  
email [w8hgh@msn.com](mailto:w8hgh@msn.com)



# FOR SALE

## HF Beam Antennas

**James McDowell IV, ex-NN4JM, now K8AK**, of Ohio, is selling two beam antennas. He can deliver them when he comes to the Valley for Field Day. One is a Mosely CL-33M, triband beam, 10-15-20m, comes with an extra set of traps, all in good condition, asking \$200. The other is a TennaDyne T-8 beam, covering 10-12-15-17-20 meters on a single feedline. It is about 3 years old, with all stainless-steel hardware, not the sheet-metal screws used on older designs. Asking \$400. Both beams are unassembled, and both perform very well. They are being sold to help fund a new antenna project at K8AK's station. Email James at: [cwdxchaser@gmail.com](mailto:cwdxchaser@gmail.com).



## Yaesu FT-1000D Deluxe HF Rig

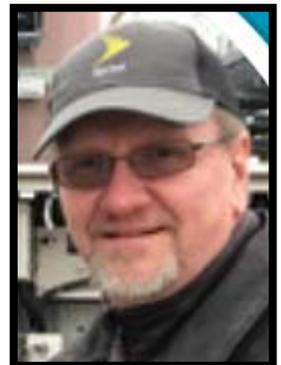
**Mark Payne, the famous WA4E**, is offering his legendary Yaesu FT-1000D for sale. This radio was the "talk of the town" for many years. It comes with all filters installed, including the TXCO filter. Also included is the SP-5 speaker, one of Yaesu's finest outboard speakers, which includes the TimeWave noise reduction unit. The radio was just serviced and checked out by an authorized Yaesu service shop, and is "like new". The radio has been used very little over its lifetime, as is well-known by old-timers in the area. Any ham active on HF from the 1990's can attest to this radio's stellar reputation. It is one of the few radios which even today enjoys a 4.8 (out of 5) stars with well over 100 ratings on eHam reviews. This radio setup originally cost over \$4000 new. Mark is asking \$1200 for the complete unit. Contact Mark by phone at 540-746-2842, or by email at [markp200@comcast.net](mailto:markp200@comcast.net).



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# WIRES-X ACCESS NOW AVAILABLE

Thanks to **Kevin Numbers, KC8MTV**, for setting up and maintaining the 145.290 repeater. This repeater is currently the Valley's premier Yaesu System Fusion (YSF) digital repeater. Kevin's is configured similarly to several other Yaesu repeaters covering the valley, and they operate on both digital and analog FM modes. Kevin's repeater differs from the others in that Kevin's handles primarily digital traffic, and is set up on the WIRES-X system so hams can talk to other hams on other YSF repeaters around the world using his 145.290 machine. Wait, what?!? Worldwide coverage from a handheld? Without using Echolink? You betcha. If you have a Yaesu digital Fusion-capable radio, tune in to the local digital net on 145.290, negative offset, no tone needed for digital Fusion transmissions, every Saturday night at 8:00 p.m.



# LIGHTNING DAMAGE WITHOUT LIGHTNING?

A thread on ValleyHams has been discussing the static buildup that can occur from wind blowing on antennas. The friction of the wind on the antenna wires, insulators, even the PVC radome of VHF/UHF antennas, can result in a voltage buildup. If this voltage is not bled off to ground, eventually it can result in sudden arcing simulating a lightning-strike-induced voltage surge, — even in the complete absence of lightning, thunder, or even clouds in the sky.

The thread includes several posted “testimonials” and “horror stories” as to the problems this can cause by various hams who have experienced this voltage buildup. As one potential solution, **Mark Whittis, AK4OL**, offers the following website by Industrial Communications Engineers LTD: <http://www.iceradioproducts.com/33.htm>



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## GET WELL SOON



### Frank Prochaska KN4ILH

Many of you know **Frank Prochaska - KN4ILH**. He was playing with his youngest child about a week ago when he was inadvertently kicked in the eye. Thursday night his retina detached, and he had emergency surgery Friday to re-attach it to prevent blindness. The surgery went well and he is resting at home... although probably not comfortably. Hopefully, he will heal properly and get past the pain part quickly. I've read of this type of surgery and it's even difficult to read about. I can't imagine going thru it. Please keep Frank in your prayers. — Info provided by Wayne Bowyer, N4EYZ

### Joan Pitsenbarger KF4CWR

**Joan Pitsenbarger, KF4CWR**, is in the hospital as of the Monitor's press time. Joan is the XYL of Ray Pitsenbarger, KE4NNV. At press time, no details were available, but Ray reports that she had been suffering from some confusion for a couple of days, so the situation might be serious. Keep Joan in your prayers. Ray Colvin, KE4HVR



# MARA MEETING MINUTES

## MARA Secretary's Report – May 2, 2019 Meeting

**General Meeting** called to order at Wood Grill, Harrisonburg, by **Bryan Daniels (K4RMY)** at 7:30 P.M. There were 24 members and 5 guests present. Introductions were made all around.

**New Member Vote:** none

**New Member First Reading:** **Mark Hensley (K4YSA)**

**The Secretary's Minutes:** approved as printed in the Monitor.

**The Treasurer's Report:** approved as printed in the Monitor.

### **Committee Reports:**

**ARES: Bryan:** 145.130 will now be the main ARES repeater. 147.225 will be used on the 5<sup>th</sup> Monday of the month.

**Repeater Committee: David Fordham (KD9LA):** All work has been completed on the 145.130 repeater. David also reported the good news that the trustee and operator of the 147.045 repeater (Tim Miller KG4HOT) is pursuing a potential opportunity which might allow that repeater to remain on the air. Tim had previously announced that the current landlord and host for the machine was closing the site, taking the repeater off the air. This new opportunity, if it becomes successful, would allow the machine to stay on Elliott's Knob, albeit at a location about a hundred yards away from its current site.

**Bob VanFossen (K4DJG)** reported that in response to a request by a group hosting a Horse ride in the mountains near the repeater site, he will be **altering the operation of the APRS Digi to reverse the frequencies**. This is done so the Digi is receiving on a near clear frequency. They are planning on equipping some riders with trackers. This is a temporary change **for the first weekend in June. The Digi will be put back in normal operation at the conclusion of the event.**

**VE Committee: Gayle Shull (KU4XU): Take Note, hams upgrading To General Class: New study manuals and new exams will be the rule after July 1, 2019.** Encourage those planning to take their exams to bone up on the current study manual practice tests to **be ready before the new exams start.** The **next regular test session** will be at 9:00 A.M., **June 1**, at Woodmen Life, 3045 John Wayland Hwy (Rt 42) in Dayton.

**Field Day: Committee Chairman John Keller (W4ZAO):** We will again use the Stokesville Campground for the FD weekend, beginning the previous Monday for campers. VARA and MARA will again operate under class 3A, with Phone, CW, Digital, VHF, and UHF stations, as well as a GOTA station. The next committee meeting will be On **Tuesday, May 14**, 6:00 P.M. at the Mt. Crawford Burger King.

**Public Service Committee:** no report

*(continued)*

## MARA Meeting Minutes *(continued)*

**Old Business:** none

**New Business:** none.

**Announcements:** David KD9LA: It has been close to 29 years since a **Skywarn class** has been held in our area. The 3-hour classes are conducted by the National QAA organization in Sterling, VA. For the class instructor to come out, there must be at least 25 people, not necessarily hams. A motion was passed to work up a plan for later in the year. Some discussion included choosing the Weyers Cave Community Center for a likely venue. A poll of members present identified 16 who would attend. Others who are also interested but who were not present should **email Herb Slade (AA2BF)**, who will bring that information forward at the June meeting.

**50/50 Drawing: \$22.50** won by **John Piotrowski (KI4YNA)** with \$22.50 going to the MARA Treasury. **Congrats, John!**

**Next meeting:** 7:30 P.M. June 6, 2019 at Wood Grill, 1711 Reservoir St., Harrisonburg, VA. Dinner at 6:00.

Meeting adjourned at 7:51 P.M.

**Program: John Keller (W4ZAO)**, the most successful contester on the bands in our area, statewide, and often nationwide (did I mention internationally?), gave us lots of tips for success, too. You can use the occasion to add more countries toward DXCC, states toward WAS, even if you aren't really interested in piling up QSO points and multipliers. But if you want to be hardcore, you need a few things to start out with. A good logging program (e.g. N1MM) is a must. You need to have a large screen TV on which to display pages showing such things as callsigns and their current frequencies from one or more spotting networks looking for your needed multipliers. Also, a strategy for when you can take breaks for eating, drinking, potty time, and not to mention sleeping (don't mention it). That's what the Big Boys do. It was very entertaining and enlightening for most of us, especially those who aren't contesters.

Respectfully submitted,  
Herb Slade (AA2BF), Secretary



# MARA TREASURER'S REPORT

## MARA Treasurer's Report – April 21, 2019 to May 20, 2019

Opening Balance		<u>\$ 3,150.82</u>
Income:		
April 50/50	\$ 14.00	
May 50/50	\$ 22.50	
VARA Repeater Donation	\$ 16.00	
	<u>Total Income:</u>	<u>\$ 52.50</u>
Expenses:		
Electric	\$ 23.03	
	<u>Total Expenses:</u>	<u>\$ 23.03</u>
Balance April 20, 2019		<u>\$ 3,180.29</u>

Submitted by Foster Farone WF40  
MARA Treasurer

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# PVARC MEETING MINUTES

## PVARC Secretary's Report – May Meeting

This area was reserved for the PVARC May meeting Minutes,  
but the minutes were not received in time  
for inclusion in this month's issue.

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# VARA MEETING MINUTES

## VARA Secretary's Report – May 7, 2019 Meeting

At 7:03 pm the meeting was brought to order by President David Fordham KD9LA. 29 hams and visitors were present. The usual Introductions were made. The 50/50 drawing for \$11.00 was won by Al Bonck N3JB.

The secretary's report for April was accepted as printed in the newsletter.

Treasurer's report: John Chevalaz KB2LOZ, gave the report; motion made, seconded, and passed without any negative votes.

ARES report: David Tanks AD4TJ, EC, announced that hurricane season starts June 1<sup>st</sup>. The next net will be May 9<sup>th</sup> at 8 pm; Gordon volunteered to be Net Control, on the simplex frequency of 146.490.

Field Day committee: Fred Castello KF4FC reported that plans are coming along very well, and that the next meeting will be May 14<sup>th</sup>, Tuesday.

There is a need for someone to head up the Valley Ride For Veterans event; no one responded, so it is tabled.

We are now an ARRL Affiliated club. One of the benefits to the club is if you renew your ARRL dues through the club, the club will get \$5.00.

Announcements: David KD9LA asked if there was interest in a Skywarn class; if we can get 25 hams/people interested in it, they would give one in our area, most likely on a Saturday. 17+ club members raised their hands when asked if they want to take the class.

The General Class license exam pool will be changed July 1<sup>st</sup>, so if you are interested in taking the test before the change, then June 1<sup>st</sup> at Dayton will be your last chance.

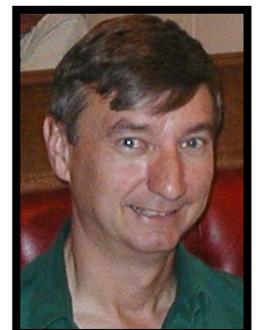
Old business: none.      New business: none.

John Lasher N3GLZ noted that the Shenandoah 100 bike ride is Sunday September 1<sup>st</sup>. The District Park Ranger for Shenandoah National Park is interested in talking with ham radio operators about increasing the availability for groups such as ours. The MARA club has already approved the use of the 147.315 repeater for the event; it will be taken down from its present location, and temporarily set up in the SNP to help facilitate communications.

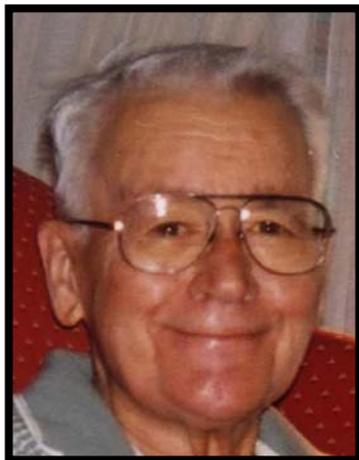
Special Events: David AD4TJ informed us of those upcoming events.

With no other comments or business to conduct, and no program, the meeting was adjourned at 7:32 pm.

Respectfully submitted,  
David Tanks, AD4TJ,  
VARA, Inc. Secretary



## MYSTERY HAMS: SILENT KEYS



**May  
Mystery  
Ham:**

**Bill  
Edmundson,  
W4IMS**

The May mystery ham was Bill Edmundson, W4IMS, of Harrisonburg. A true old-timer, having been licensed at least as early as 1949 (listed in the 1950 callbook), when he was living on Dinkle Avenue attending Bridgewater College. He graduated from the U.S. Air Force Institute of Technology and also held a Master's Degree from James Madison University. He was a veteran of the Viet Nam war, retiring from the U.S. Air Force, and was one of the few in his generation to become a whiz at computers. He was always at Field Day, was a regular on the Monday night ARES Net, and served several positions with MARA, including several terms on the Board of Directors. He passed away in October 2003.



**June  
Mystery  
Ham:**

**High-Speed  
CW Op,  
Early FD Chair,  
VARA Icon**

The June mystery ham was a "junior", named for his father, but was a true old-timer, being a radio amateur for more than 60 years. He passed away November 3, 2003 just a few days after the May Mystery Ham above. He mentored many local hams in the art of contesting. An accomplished CW op, he could accurately copy in his head at speeds well above 35-words-per-minute, while still carrying on a pleasant conversation with those in the room. He was one of the early organizers of the Field Day operations in the valley. Without giving away too much information, let's just say that his memory lives on and he is paid tribute at Field Day in a very special way.

## FIELD DAY: JUNE 21-23

No JUNE issue of the Monitor would be complete without at least some mention of Field Day. All radio amateurs (and anyone else interested in ham radio) are invited and urged to attend. Come to Stokesville Campground, GPS address: 464 Stokesville Road, Mt. Solon, Virginia, 22843. Campsites are available for tent, fifth-wheel, and motor RV camping starting Monday morning, June 17. To reserve a campsite, contact John Keller W4ZAO at eaglehiker@hotmail.com who is Field Day Chairman this year. Field Day setup begins Friday, June 21 at 2:00 p.m., a covered-dish dinner Friday night promises all you can eat, and the Field Day operation itself starts at 2:00 p.m. Saturday and runs through 2:00 pm Sunday afternoon. The last Field Day Committee meeting will be held Tuesday, June 11, at 6:00 pm at the Burger King in Mount Crawford, Exit 240 off of I-81. For more information, contact John or come to the meeting. Almost all arrangements are completed, so the meeting has plenty of time for questions.

# UPCOMING EVENTS

## JUNE 2019

- June 1: VE Exams – Dayton Virginia
- June 2: Page County ARES Net (146.625 PL 131.8)
- June 3: Rockingham County ARES Net (147.55 Simplex)
- June 4: VARA Club Meeting
- June 6: MARA Club Meeting
- June 8-10: ARRL VHF QSO Party
- June 9: Page County ARES Net (146.625 PL 131.8)
- June 10: Rockingham County ARES Net (147.225 PL 131.8)
- June 13: Augusta County ARES Net (146.850 PL 131.8)
- June 13: PVARC Club Meeting
- June 15: Manassas Hamfest: New Location!
- June 16: Page County ARES Net (146.625 PL 131.8)
- June 17: Rockingham County ARES Net (147.225 PL 131.8)
- June 21-23: ARRL Field Day**
- June 23: Page County ARES Net (146.625 PL 131.8)
- June 24: Rockingham County ARES Net (147.225 PL 131.8)



## MANASSAS HAMFEST: NEW DATE AND NEW LOCATION

The 2019 Manassas Hamfest will be held on **Saturday, June 15**, at the **Manassas Park Community Center**, in Manassas Park, VA. It is still sponsored by the Ole Virginia Hams. The doors open at 6:30 a.m., and admission is \$10. Tailgating is an additional \$10 per space. Tailgating area opens at 5:30 a.m. The hamfest closes at 2:00 p.m. There is still plenty of free parking. DXCC Card Checking will be available this year.

There will be three presentations: The Virginia QSO Party Awards presentation will start at 9:00 a.m.. A presentation by W4KRL on Wireless Weather Stations will start at 10:30 a.m., and a presentation by K5AE on Near Vertical Incidence Skywave propagation is scheduled for 11:00 a.m.

The GPS address is 99 Adams Street in Manassas Park. From Highway 28 northeast of Manassas, simply go west on Spruce Street to the end and look for the sign. Talk-in on 146.970, no PL needed.

**MASSANUTTEN AMATEUR RADIO ASSOCIATION, Inc.**

President: Bryan Daniels, K4RMY  
Vice President: Bob Steere, N1QEQ  
Secretary: Herb Slade, AA2BF  
Treasurer: Foster Farone, WF4O  
Board (exp 2019): Rick Adams, KJ4IND  
Board (exp 2020): Andrew Pearson, N4RCE

**<http://mara.ws>**

MARA meets the first Thursday of each month at Wood Grill Buffet on Reservoir Street in Harrisonburg, Virginia.

Dinner begins at 6:30 pm, the business meeting begins at 7:30 pm

**Visitors are always welcome.**

Dues (\$15 per year) should be mailed to:

MARA  
PO Box 1882  
Harrisonburg, VA 22801

**VALLEY AMATEUR RADIO ASSOCIATION, Inc.**

President: David Fordham, KD9LA  
Vice President: Jeff Rinehart, W4PJW  
Secretary: David Tanks, AD4TJ  
Treasurer: John Chevalaz, KB2LOZ  
Board Member (exp 2019): Ray LaFalce, L2ULW  
Board Member (exp. 2020): Wayne Bowyer, N4EYZ

**<http://w4xd.com>**

VARA meets the first Tuesday of each month at the Hometown Grill and Buffet off Richmond Road in Staunton, Virginia

Dinner starts at 6:00 pm, the business meeting starts at 7:00 pm

**Visitors are welcome**

Dues (\$15 per year) should be mailed to:

VARA  
PO Box 2103  
Staunton, VA 24402

**PAGE VALLEY AMATEUR RADIO CLUB**

President: Will Baukhages, N4WIL  
Vice President: Gene Frazier, KJ4HFO  
Secretary: Gary Fischer, K6OZ  
Treasurer: Carrie Matter, KM4WDX  
Board Member (exp 2019): B.H. Snellings, KM4CKD  
Board Member (exp 2020): Tim Matter, KM4TGC

**<http://www.k4pmh.org>**

PVARC meets the second Thursday of each month at Tactical Walls, 611 Williams Ave, Shenandoah, Virginia

The meeting begins at 7:00 pm

**Visitors are always welcome.**

Dues (\$12 per year) should be mailed to:

PVARC  
PO Box 245  
Luray VA 22835-0245

The Monitor is published monthly for members of the three amateur radio clubs in the Central Shenandoah Valley.

Distribution is in Adobe PDF format via email attachment to all club members in good standing.

Contact the president of your respective club for information on paper copies.

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