

March 2019

THE MONITOR

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

TOP HEADLINES

WEYERS CAVE HAM SWAPFEST — MARCH 23

8:00 AM TO NOON — WEYERS CAVE COMMUNITY CENTER

FREE ADMISSION — Details on Page 3



VOLUNTEER EXAMINER TESTING — MARCH 2

In 2019, VE exams will be held on the **FIRST SATURDAY** of the **last month of each quarter**.

Testing will be held at the Woodmen Building in Dayton, Virginia,, 3045 John Wayland Highway, starting at **9:00 a.m. on Saturday, March 2.** Cost is \$15 regardless of how many testing elements a candidate attempts.

Future exams are scheduled for: **Saturday JUNE 1, Saturday, SEPTEMBER 7, and Saturday, DECEMBER 7**

MARA and VARA Meeting Programs

The MARA meeting will feature a program by Jim Junkins, Director of the Rockingham County Emergency Communications (9-1-1) center.

The VARA meeting will feature a program by Local Contester Extraordinaire John Keller, W4ZAO, on his contesting techniques which enable him to score tops in the nation while in a radio hole on the Middle River, using only 100 watts.

MARCH CLUB MEETINGS

Tuesday March 5 – VARA Meeting: Hometown Grill and Buffet

The Valley Amateur Radio Association, Inc., will hold it's January monthly meeting on **Tuesday, March 5** 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 on contesting secrets by W4ZA0.



Thursday March 7 – MARA Meeting: Wood Grill

The Massanutten Amateur Radio Association, Inc., will hold its February monthly meeting on Thursday, **March 7** 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 by EOC Director Jim Junkins. All hams and visitors are invited and encouraged to attend.



Thursday March 14 – PVARC Meeting: Tactical Walls

The Page Valley Amateur Radio Club is normally held on the second Thursday of each month. The March meeting is **Thursday March 14** 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.



MARCH 23 — WEYERS CAVE

HAM RADIO SWAPFEST

Sponsored by the
Valley Amateur Radio Association, Inc.

FREE ADMISSION

8:00 am to NOON

TABLES AVAILABLE BY RESERVATION: \$10 each

In accordance with the Community Center rules,
NO tailgating in the parking lot can be permitted .

To reserve one or more tables, email kd9la@arrl.net

Table renters can set up starting at 7:30 am.

If you want to clean out your shack,
there will be a large "FREE" table available at no charge
for you to anonymously deposit stuff you are giving away for free.

Weyers Cave Community Center

Located on Highway 256 — 1 mile east of I-81 Exit 235



SHORTS



Interesting Video on Home Network Architecture and IP Networking

Bob McCracken, N4RGO, informs us of the video created by Pascal VA2PV, giving a great introduction to home networking and understanding IP networking concepts. The video is lengthy, and runs after a skippable ad, and can be found at: <https://www.youtube.com/watch?v=HAVcXPI7oUY&feature=youtu.be>

Thanks To John Chevalaz KB2LOZ for VARA Administrative Work

Appreciation is due to John Chevalaz, KB2LOZ, for completing the paperwork necessary for VARA to become an ARRL affiliated club. John submitted the paperwork on February 24 after several weeks of investigation and preparation of the details and requirements., investing hours of his time in this endeavor. John has additionally invested hours of time investigating and comparing insurance rates to make sure that VARA's insurance needs are met in the most cost-effective manner. This is in addition to his time spent preparing the VARA, Inc., corporate Income Tax filing Form 990, which John submitted well before the deadline. Thanks again John!



N4EYZ on the Mend



Wayne Bowyer, N4EYZ, had a medical scare, with fluid in his chest, which sent him to the hospital on an emergency basis. Fortunately, after treatment, he was released within a day or so, and is on the mend.

WA4ESI: RASPBERRY PI QRP XMTR



I have always dabbled with QRP, and have gotten satisfaction from operating satellites with a handheld and homebrew cross yagi (similar to an Arrow antenna). I enjoy copying beacons, and have played a bit with VLF (mostly listening).

About a year ago I picked up one of the original raspberry pi boards, loaded linux on it, played a little, and put it back in a box with some of my other "wow, that was fun" projects.

I got the urge a month ago to dig the pi back out, and started looking for a good use for it. Keeping in mind some of my past interests, I came across a program that was designed to turn the raspberry pi into a digital mode transmitter.

After doing more reading and deciding this would be a good project, I proceeded to turn the pi into a WSPR beacon, built a low pass filter, put up a 30m dipole up 10ft and synced the clock through a wireless connection.

Now comes the fun part. After a couple hours on the air, going to WSPRnet.org I had one, yes 1, reception report. A little disappointing, but hey, what do you expect from a little computer board that outputs 10mw rf. Yep, 10 milliwatts.

I have run the beacon here at the house for the last 10 days or so, have had a couple thousand reports now, all over the US and Canada, one from Africa, and one from Austria OE9GHV gridsquare JN47wk @6902km from me. So converted to miles, that's 4279.24 miles. So, for 10mw, thats 427,924 miles per watt. That's pretty darn good! I do realize this is not a two-way contact, but for beacon operation, a heard signal with confirmation is what we are looking for.

I'm looking for comparisons from some of you in contacts by miles per watt. What's your best ones?

And just for the record, I'm not gloating as much as just being amazed that flea power can travel so far.

Oh, and the 10mw is going through 50 ft of coax, and an antenna tuner, which adds a little loss.

Hopefully this will be a challenge for some of you to try something a little different with ham radio.

73

Tom Benson, WA4ESI



VIRGINIA QSO PARTY: MARCH 16-17

The objective of this fun event is for hams to contact as many of the 95 Virginia Counties and 38 Virginia Independent Cities as possible. Virginia hams get points for every station worked, both in-state and out-of-state, with the county and city count acting as a multiplier.

The contest runs Saturday from 10:00 am local time (EDT) to midnight, and Sunday from 8:00 a.m. to 8:00 pm.

No repeater contacts are allowed, but spotting nets and DX cluster spots are permitted, except self-spotting.

QSOs count 1 point per FM phone or SSB, 2 points per CW contact, and 2 point per digital mode contact. You get 3 points for each contact made with a Virginia mobile ham, regardless of whether it is on CW, SSB, etc.

If you work a station on more than one band, you get a contact credit for each band.

Multipliers (counties and cities worked) are counted only once. In other words, you get a multiplier for the first contact you have with a given county or city, and additional contacts with that ham on other bands, or contacts with other hams in that county or city, count as contact points, but not new multipliers.

If you have mobile capability, you can get 100 bonus points for each county or city from which you operate mobile or portable.

This contest gives out lots of plaques and certificates, and numerous hams in the valley have taken home awards from this event in past years, including some top scorers in their category.

Full details can be found at: www.vawsoparty.com

K4MRA 145.130 ANTENNA STATUS

After additional diagnosis on the 145.130 Massanutten Mountain repeater by radio engineer Larry Harrison, K3JRR, it was verified that the new high-gain antenna is not receiving at specification.

This may be due to its position directly in the path of two high-power microwave signal beams coming through the microwave transmitters' barbecue-grill dish antennas. The microwave signals could be producing mixing products by combining with other RF sources on the mountain. The mixing product de-senses the receiver, degrading sensitivity and reducing the receive performance.

To temporarily rectify the situation, the duplexer cans have been split so that the repeater is no longer using a single antenna to receive and transmit at the same time.

The original antenna is now again being used for receive uplink, while the new antenna is being used for transmit downlink.

This has resulted in significant improvement in the range of the repeater over its previous operation: the old antenna is no longer carrying the repeater's transmitted signal, resulting in higher receive sensitivity, while the new antenna is providing the specification gain on the transmitter side of the repeater.

Plans are already in place to replace the receive antenna with an ever better antenna already donated to the club (a GE Stationmaster). Volunteers are being arranged to help move the Stationmaster antenna and its supports from another tower so that it can be redeployed on the 145.130 repeater.

Later in the spring or early summer, plans are to relocate the new high-gain antenna (the one presently used for the transmit downlink) to a different tower leg away from the interfering signals. Stay tuned, as this machine continues to be improved.

FEBRUARY CONTEST RESULTS

February was another busy month for those local hams on the radio. The snow and rainy weather notwithstanding, the heat of RF could be detected around the world.

In the CQ 160-meter SSB contest, **David Tanks AD4TJ** made 24 contacts in 14 states/provinces for a score of 756 points using a 15-foot high inverted L wire antenna 70 feet long. **Greg Czerniak W4GRC** worked only 30 minutes but was able to make 24 contacts and 10 multipliers, for 480 points.

But the real performance was again by **John Keller W4ZAO**, contesteer extraordinaire.

John plans to work 12 SSB contests this year, all using only 100 watts, and says that the 160 SSB is his favorite contest.

Last year, John placed first in the nation in his class (low power single operator) in this contest (see photo to the right).

This year John put in 17 hours over 2 days and beat his previous showing. John worked 509 QSOs this year (compared to last year's 454), racking up 71,520 points compared to last year's 50,450. He was able to work 53 of the possible 63 multipliers.

John is only 3 states away from his Worked-All-States on 160m Award.

Editor's Note: At the upcoming March VARA meeting on March 5. John will be sharing some of his secrets and what he has learned from attending Contest University for four years



In the February CQ WW WPX RTTY contest, it is known that **David Tanks AD4TJ**, **Jeff Rinehart W4PJW**, and **Fred Castellow KF4FC**, worked this one, but no scores were available as of press time.

The editor apologizes for the omission of several stations who likely worked these contests, but the editor was unaware of participation or scores other than the above.

Upcoming Contests include:

ARRL International DX Contest SSB – March 2-3
North American Sprint RTTY – March 10
Virginia QSO Party – March 16-17
NAQCC CW Sprint – March 21
North American Sprint SSB – March 24
CQ WW WPX Contest SSB – March 30-31

Upcoming State QSO Parties include:

Oklahoma – March 9-10
Idaho – March 9-10
Wisconsin – March 10-11
Louisiana – March 16-17
Virginia – March 16-17

PVARC MEETING MINUTES

PVARC Secretary's Report – February 22, 2019 Meeting

The meeting was called to order by President Will Baukhages N4WIL at 7:05 PM at Tactical Walls in Shenandoah. (Thanks to Tim KM4TGC and Carrie KM4WDX for the donation of the use of the facility!) 8 members were in attendance

The Treasurer's report was approved. (There was no Secretary's report for January because the January meeting was an informal meeting at Mama Mia's Restaurant with no minutes taken.)

Announcements:

The club wishes to announce to all readers of the Monitor that the club meeting time and date continues to be 7PM on the 2nd Thursday of each month in spite of recent last minute changes due to weather and calendar issues such as Valentine's Day.

Old Business:

Committee reports:

- **Field Day:** Will N4WIL reported he has the club transceiver and the club computer and will be engaged in causing them to be properly linked. Mark N4YSA volunteered to find a VHF/UHF transceiver. Various other equipment issues were discussed and resolved. Morgan K4RHD volunteered to do the catering.
- **Website:** Carrie KM4WDX reported that the domain name has been transferred to GoDaddy and she is re-building the website using Wordpress and solicited images and content from the group.
- **Club Station:** Gary K6OZ reported that the application for the K4PMH club license renewal and transfer of trusteeship to Will N4WIL has been completed.

New Business:

Club officer elections were held and the two open club officer positions were filled as follows

- At Large Board Member #1 (vacated by Dave K4DPF due to personal circumstances) will be filled by BH KM4CKD. This term, which began in 2018, will complete at the beginning of 2020.
- At Large Board Member #2, presently held by Tim KM4TGC, will again be held by Tim. This term will complete in two years at the beginning of 2021.

Thanks BH and Tim !!

The meeting was adjourned at 7:35 PM, and was followed by an interesting and thorough discussion, led by Will N4WIL and Morgan K4RHD, of the recent improvements in Amateur Radio facilities at Valley Health, and Page Memorial in specific, our relationship to those activities.

Respectfully submitted by Gary Fischer K6OZ, PVARC Secretary

MARA TREASURER'S REPORT

MARA Treasurer's Report – January 21, 2019 to February 20, 2019

Opening Balance		<u>\$ 2,941.70</u>
Income:		
Memberships	\$ 177.00	
50/50 – February Meeting	\$ 25.00	
Storage Sale proceeds	\$ 35.35	
	Total Income:	<u>\$ 237.35</u>
Expenses:		
Electric	\$ 22.80	
	Total Expenses:	<u>\$ 22.80</u>
Balance February 20, 2018		<u>\$ 3,156.25</u>

Submitted by Foster Farone WF40
MARA Treasurer



MARA MEETING MINUTES

MARA Secretary's Report – February 7, 2019 Meeting

General Meeting called to order at Wood Grill, Harrisonburg, by President **Bryan Daniels (K4RMY)** at 7:32 P.M. There were 24 members and 5 guests present. Introductions were made all around.

New Member Vote: Bob Moore (KN3Y) was unanimously welcomed to MARA.

Congrats, Bob!

New Member First Reading: Virgil Trent (working for his Tech Plus ticket)

The Secretary's Minutes: Some changes were needed to last month's minutes, for Bryan Daniels' report on the **new ARRL ARES levels of participation:**

Level 1 class costs the participant \$50.

Level 2 class is currently \$35.

To qualify for **Level 3** there are required ID-300-400 ARES classes. Although these are "free", they are taught only once a year in VA, usually in the Richmond area, and are offered over 2 days. There is no reimbursement for travel or hotel expenses. There is no On-line option.

Other than the changes noted, the minutes were approved as printed in the Monitor.

The Treasurer's Report: approved as printed in the Monitor. Thanks were sent to **Dieter Merz (K4IZ)** for a \$750 donation and \$500 from the Washington Trail Riders, for communications provided for the Shenandoah 500 trail run.

Committee Reports:

ARES: Bryan Daniels K4RMY: The **State SEC** is as "ticked off" as we are with ARRL's ARES plans, and **congratulated MARA** for the petition we're sending to ARRL.

Repeater Committee: David Fordham (KD9LA): 145.130 repeater The new antenna is up and installed. 110 feet of Heliac hardline has been offered by Tim Miller, KG4HOT.

VE Committee: Gerald Nauman (KN4FM): The next regular test session will be at 9:00 A.M., March 30, at Woodmen Life, 3045 John Wayland Hwy (Rt 42) in Dayton.

Field Day: We voted to join VARA again for FD. Representing MARA on the committee will be **Chris Shirkey (KI4BNQ)**, **Bob Moore (KN3Y)**, and **Andrew Pearson (N4RCE)**. VARA takes the chairmanship this year.

(continued)

Committee Reports (continued)

Sheryl Tonini (KJ4DOC) received three file folders for the **Audit committee**. They will present their report shortly.

Public Service Committee: A new bike event will take place in June (date TBD).

KD9LA said VARA is looking into a nonprofit organization seeking communications help for their bike ride in June. More information is needed.

Old Business: As approved by the January general meeting, the **ARES Resolution** was signed by the 24 members present. After the meeting, **Secretary Herb Slade (AA2BF)** sent copies to the Roanoke Division SM, the Division's SEC, the Division's Director and the Division's Vice Director. As well as the ARRL CEO and ARRL President.

New Business: none

Announcements: **David Fordham** announced the Weyers Cave Community Center **Ham Radio BuyOrSwap Meet**. It will be held Saturday, March 13 from **8:00 a.m. to 12:00**, with tables at \$10, and setup beginning at 7:30.

Next meeting: March 7, 2019 at Wood Grill.

Meeting adjourned at 8:07 P.M.

50/50 Drawing: \$25 won by **Andy Jezioro (WA2ONG)** with \$25 going to the MARA Treasury.

Congrats, Andy!

Program: **David Fordham**, with sly hints to questions posed to the rest of us, led us on a path concerning multiple things invented by hams and "Who is buried in Hamilton's grave?" Near the end, the callsign 1AW popped up, which was the giveaway, as well as a friend of the subject's, named Tuska. The mystery person invented many things, including the gun silencer and the machine gun, also known as the Gatling Gun. Who knew? Did you?

Respectfully submitted,
Herb Slade (AA2BF), Secretary



VARA MEETING MINUTES

VARA Secretary's Report – February 5, 2019 Meeting

The meeting was brought to order at 7:01 pm by President David Fordham KD9LA. The usual introductions were made. 3 drawings were made: the 50/50 drawing winner of \$16.50 was Tom Benson WA4ESI. 2 other drawings for gifts(provided by Ray LaFalce K2ULW) were won by Kevin Numbers KC8MTV and John Keller W4ZAO.

The membership applications of 3 hams were read for the first time: Tom WA4ESI, Brad Benson W1TH, and Doug Edwards KA4NWK. They will be voted on at the next meeting.

The secretary's report was approved as printed in the newsletter.

The treasurer's report: was given and approved. John Chevalaz KB2LOZ thanked Al Bonck N3JB for his work with the ham items from the estate of Ron Birch. The Fall Foliage Bike Festival donated \$1000 to the club for our help.

ARES report: the next net will be February 14th; Fred Evans N4KYM volunteered for Net Control. The net will be on the 146.850 repeater at 8 pm. David Tanks AD4TJ, Emergency Coordinator for Augusta County, noted that the ARRL has proposed major changes to the ARES program; if passed, there will be 3 levels of membership created, with the first level having a course that will cost \$50.00 to take; to achieve the other levels more courses will have to be taken and passed; some of those can be done online, but at least one for Level 3 is only given once a year, at a cost of \$100.00, and none are close to us, so would involve travel and maybe motel stays. The MARA club drafted and passed a resolution stating their disagreement with these new requirements; that will be signed by their members on February 7th at their club meeting. It was decided that we would bring it up under new business to discuss exactly how our resolution would be worded. David KD9LA stated that MARA has a very good relationship with the Harrisonburg/Rock-ingham County Emergency management. They are happy with the training and response of the MARA ARES hams in the various activities they have needed their help with. Ray mentioned there are several ARES nets that we can check into to help us stay involved in emergency preparedness, regardless of the ARES status. Kevin mentioned that with his work with Sprint he is in the basement of the Waynesboro Police Dept, where they have some equipment, and he got to talking with Gary Critzer, Emergency Manager for Waynesboro, and he would like some input on getting ham equipment purchased and installed.

Announcements: KG4HOT Tim Miller, told us that the present Elliott Knob repeater site is going away this summer; there is another site nearby that may be available, if someone wants to take it on as a project.

The VARA club picnic: will be August 24th, thanks to Ray Colvin KE4HVR for reserving the usual site at Gypsy Hill park.

On March 23rd, there will be a mini Swap Fest at the Weyers Cave Community Center, from 8 am to noon. Tables are \$10.00 each, with a maximum of 15 to 16 tables available.

David KD9LA thanked those who came out and helped get the 145.130 antenna installed.

Old business: Liability insurance: one of the benefits of affiliating with the ARRL is reduced premiums for such insurance. Another is visibility: the ARRL lists all Affiliated clubs, so someone doing a search on their website would see us. There is a requirement that we maintain at least 51% or greater ARRL membership within our club members. The insurance offered through them is \$200; comparable plans outside of the ARRL are higher, such as \$260 for the plan that MARA is using. We presently have 58% ARRL membership within our club. Our By-Laws are very similar to the Constitution shown as an example, so that is not a hurdle. Mark Whitis AK4OL mentioned that the Albemarle club had a problem with wanting to only include in public service activities those who were club members who would have been covered under the insurance plan. The MARA club purchased an additional rider for insurance to cover anyone covering a public service event, regardless of being a member or not. What does the club membership think? A 2-person committee of John Lasher N3GLZ and John KB2LOZ was created to do more checking in to the insurance possibilities.

New business: in the past we have donated monies(sporadically) to at least 4 repeater owners/groups in the area: 147.075, 146.850, 147.045, and 146.700. In addition to the club contributing to repeater groups, individual hams can contribute; for example: the 147.075 group recently reduced their dues to \$20.00 per year. We voted on giving \$300.00 each to those 4; and also \$150.00 to Kevin for the 145.290 repeater.

Field Day: it is VARA's turn to provide a chairman for it this year; John Keller W4ZAO and Fred Castello KF4FC volunteered. David KD9LA would like to see a newer ham volunteer for the 3rd spot. No one raised a hand, so he will ask again at the March meeting.

A Dues Waiver for serving 4 hours or more in the Fall Foliage Bike Festival was discussed. As is necessary, it has to be voted on each year. A motion was made and seconded. During discussion, Greg Czerniak W4GRC suggested that we think about making it require, say, 10 hours total of service in ALL public service events for a year. That would be determined by the logs kept by Net Controls during each event. The original motion was passed on a voice vote.

David has been approached by a gentleman about providing communications for another bike event, that occurs the third weekend of June. That is a busy time for us, due to Field Day on the 4th full weekend of June. More info will be obtained for the next meeting.

Name tags for new members: at one time it was a part of the membership process. The Board will discuss this in the future.

David AD4TJ brought us up to date on Special Events and Contests. Also, he showed off the new Shenandoah Valley Wireless contest club t-shirts, courtesy of John Keller. Thanks, John!

The meeting was officially adjourned at 8:07 pm.

David KD9LA had a short program on Ham Radio Trivia.

Respectfully submitted, David AD4TJ, VARA, Inc. Secretary



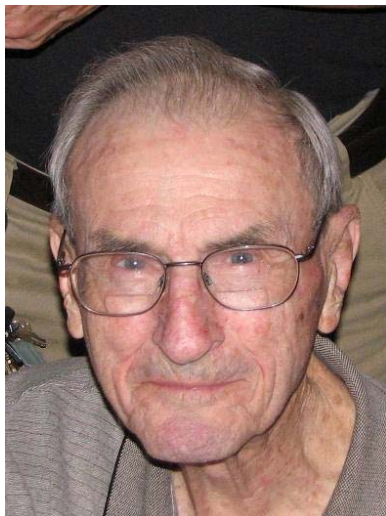
MYSTERY HAMS: SILENT KEYS



February Mystery Ham:

**Former
VARA VP,
President, &
Life Member**

The February Mystery Ham was Kenny Harris, KE4GKD. Kenny passed away October 16, 2005. He had done much to bring the VARA and MARA clubs together for many public service and operating events, a Herculean task for which he was honored by VARA, by being designated a life member. Born in 1946, he opened the baby boom. Kenny loved camping, and playing practical jokes, and always laughed when someone played one on him. He was well known for leading the mowing effort at “Ye Olde Field Day Site”, and even more famous for saying “It never rains at Field Day, but sometimes we get a heavy dew”. He is missed by all who knew him.



March Mystery Ham:

**MARA—
Retired AT&T
Microwave
and Satellite
Engineer**

The March mystery ham was an active MARA member, and had served many years in the ham communities in Indiana, Florida, Virginia and other locations. Over his many years as a ham, he had amassed a folder six or eight inches thick of Elmer appreciation certificates from hams who he had helped get their ticket and get on the air. He had a successful career with AT&T as a microwave engineer and later as a satellite engineer. He retired to Englewood, FL, where he was a member of EARS (Englewood Amateur Radio Society). Born in Ladoga Indiana, he passed away in Harrisonburg in 2013, only a week before his 90th birthday. His callsign is now held by his son, who lives in the valley and is an active member of both MARA and VARA, and is on the bands almost every day, keeping his dad’s callsign on the air.

LOOKING TO SELL SOMETHING?

DON'T FORGET THE WEYERS CAVE HAM RADIO SWAP MEET

SATURDAY MARCH 23 STARTING AT 8:00 AM

FREE ADMISSION – FREE PARKING

RESERVE YOUR TABLE TODAY!

CONTACT DAVID FORDHAM, KD9LA, AT KD9LA@ARRL.NET \$10 PER TABLE

UPCOMING EVENTS

MARCH 2019

March 1-3: ARL DX Contest SSB Weekend

March 2: VE Examinations — Dayton VA

March 3: Page County ARES Net (146.625 PL 131.8)

March 4: Rockingham County ARES Net (147.55 Simplex)

March 5: VARA Club Meeting

March 7: MARA Club Meeting

March 8-9: Charlotte (NC) Hamfest

March 10: NA Spring RTTY

March 10: Page County ARES Net (146.625 PL 131.8)

March 11: Rockingham County ARES Net (147.225 PL 131.8)

March 14: Augusta County ARES Net (146.850 PL 131.8)

March 14: PVARC Club Meeting

March 16-17: Virginia QSO Party

March 17: Page County ARES Net (146.625 PL 131.8)

March 18: Rockingham County ARES Net (147.225 PL 131.8)

MARCH 23: WEYERS CAVE HAMFEST (Swap Meet) 8:00 am to noon

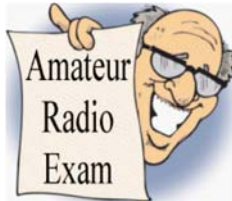
March 24: Vienna (Annandale) Hamfest

March 24: Page County ARES Net (146.625 PL 131.8)

March 25: Rockingham County ARES Net (147.225 PL 131.8)

March 30-31: CQ WW WPX Contest SSB

March 31: Page County ARES Net (146.625 PL 131.8)



APRIL 2019

April 1: Rockingham County ARES Net (147.55 Simplex)

April 2: VARA Club Meeting

April 4: MARA Club Meeting

April 7: Page County ARES Net (146.625 PL 131.8)

April 8: Rockingham County ARES Net (147.225 PL 131.8)

April 11: Augusta County ARES Net (146.850 PL 131.8)

April 11: PVARC Club Meeting

April 14: ARRL Rookie Roundup SSB

April 20: Raleigh (NC) Hamfest

April 14: Page County ARES Net (146.625 PL 131.8)

April 15: Rockingham County ARES Net (147.225 PL 131.8)

April 21: Page County ARES Net (146.625 PL 131.8)

April 22: Rockingham County ARES Net (147.225 PL 131.8)

April 27: York (PA) Hamfest

April 27-28: Ten-Ten International 10m QSO Party – RTTY/Digital

April 28: Page County ARES Net (146.625 PL 131.8)

April 29: Rockingham County ARES Net (145.130 PL 131.8)



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: Greg 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 EXCEPT February meeting will be Feb 87 at Tactical Walls 611 Williams Ave, Shenandoah

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.

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