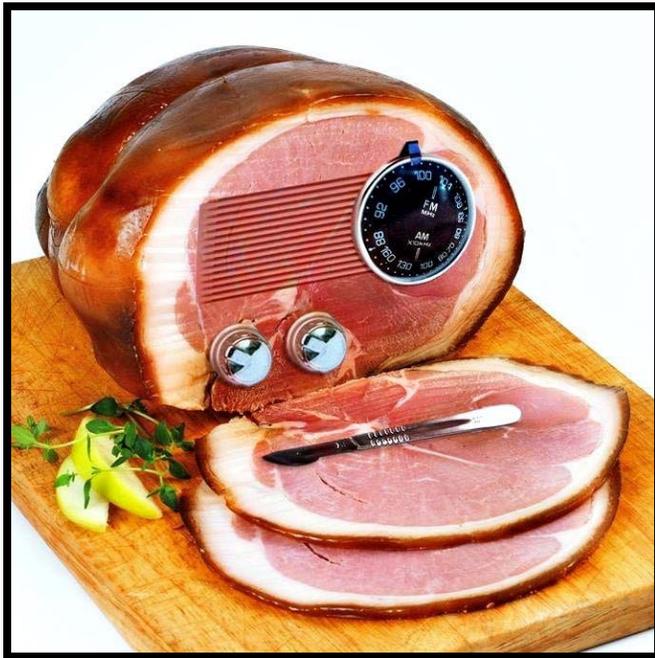


May 2019

THE MONITOR

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



*Any way you slice it,
HAM RADIO is fun.*

Photo submitted by Debbie KB4WPE

**SEE PAGE 3 FOR SOME
FUN FOR THE FAMILY**

STUDYING FOR YOUR GENERAL?

Plan to take the Exam before July 1st!

The new General Class License Exam Question Pool will become effective July 1, 2019.

The Shenandoah Valley VE exam on June 1 will be the last opportunity in Augusta and Rockingham County to take the General license exam under the old question pool.

So if you've been studying using the old question pool, you need to hurry it up, and plan to take the exam on the June 1st exam session. Otherwise, you will need to begin all over again with the new question pool.

Of course, to be honest, if you've learned the material rather than just memorizing the answers, you should have no trouble passing under either the old or new question pools. But if your strategy is to memorize the answers, you need to take the June 1 examination, or else start all over with the new question pool.

MAY CLUB MEETINGS

Thursday May 2 – MARA Meeting: Wood Grill

The Massanutten Amateur Radio Association, Inc., will hold its May monthly meeting on Thursday, **May 2** 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.



Tuesday May 7 – VARA Meeting: Hometown Grill and Buffet

The Valley Amateur Radio Association, Inc., will hold its May monthly meeting on **Tuesday, May 7** 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 .



Thursday May 9 – PVARC Meeting: Tactical Walls

The Page Valley Amateur Radio Club May monthly meeting is **Thursday May 9** 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.



The Opinionated One: Buzzword Bingo – Fun for the Family at Field Day

Ham radio, like a lot of hobbies, has its own language. Hams use terms, buzzwords, and phrases that no one else on the planet has ever heard of.

Now, of course, there are a few hams who don't have the faintest idea what the rest of us are talking about. Take the case of Verman, a local ham who lives in a holler over in the next county. He's on 2-meters but keeps trying to pass his General, hoping to get on HF.

Anyway, ol' Verman calls me up the other day and invites me over to see a brand new antenna tuner he bought in preparation for getting on HF.

I drive out to the end of the gravel road to Verman's shack. He meets me at the door, invites me in, and introduces me to his younger brother, Gaggy.

Verman is about 30, and Gaggy

looks to be in his mid-twenties. Both have beards, wear baseball caps, and each of them has a mouthful of what I sure hope is tobacco.

Well, we all go to the kitchen table. Verman takes the cover off his new tuner. This thing is built like a tank. The manual says it will handle a kilowatt, but by the looks of its innards, it could handle a megawatt just as well.

I peek inside the box, and spy a huge but familiar component, and I say, "Wow, Verman, that's one heck of a toroid you've got there!"

Verman looks over at his brother, and says, "Mama thought so too, so she had him tested when he was a kid. Turns out he's just really really slow."

Anyway, hams need to know their jargon. But what about

non-hams? They are bored silly by our talking about SWR and ALC's, G5RV's and FT8.

So Field Day presents a special problem.

Come the end of June, we are gonna try to get our families and friends to join us for a good time on the mountaintop. But these non-hams won't have the slightest idea of what is going on. It is too much to ask them to learn it all in just a couple of weeks, so what do we do?

Here is my solution. Below is a bingo card. Instead of numbers, it has ham terms on it, the way our non-ham friends and family hear them.

Here's how you play.

Give a copy of this card to your XYL, kids or non-ham friends at Field Day (or even a club meeting). Tell them to listen closely to what's being said..

Whenever they hear one of the terms on the card, they mark it off. And when they've marked off five squares in a row, either up and down, across, or diagonally, they stand up and yell loudly, "Get a Life!".

Anyone not familiar with ham terms might misunderstand what they mean. Seriously, think about it. What does a layman visualize when he hears the terms "Squelch Tail", "K index", "He is splattering all over the band", "The F-Layer" or "Cloud Warmer"?

Buzzword Bingo takes their mind off ridiculing us, and makes them appreciate our jargon. — Hope your family has fun! See you at Field Day.

Off-Center Fed Dye Poll	Way Down in the Mud	"Burnt out my new 7300"	Seek You Field Day, Seek You Field Day	Plane ol' Riddy
Listening Up Twenty	Whiskey For X-Ray Delta	Set the Pea "L" to 131 Dot Ate	Mike Gayne	Bad Queue Are Mary
Full Wave Loop	Bencher Paddle	Sea Double You	"Go To Oh Four Five"	You're a Dupe, Old Man
Notched It Out Completely	You're Forty Over	Queue Are Pea Rig	"Talk the Machine Down"	Yay Zoo's See For FM
"I got him in the Log"	F Tea Eight	You're Dropping In and Out	Short Squelch Tale	His 10-meter Hamstick

TESTIMONIALS FROM SATISFIED PLAYERS

"Club meetings are so much more exciting now, even without a program." — *Barbara*

"I was in the restaurant for only four minutes when I won!" — *Tony*

"The atmosphere in the July meeting was tense as twelve of us anxiously waited for the fifth square." — *Bill*

"The guest speaker was flabbergasted when five of us jumped to our feet and yelled, "Get a Life" for the third time during his 20 minute program." — *Debbie*

"Attention to the meetings has gone way up. It is darned hard to doze off anymore, what with all the yelling and screaming." — *Ken*

"I was listening to the net in the den last Sunday when my wife and daughter run in from the kitchen and together yell, "Get a Life" at the top of their lungs. They had been listening and playing while doing the dishes." — *Bob*

BIG MOUNTAIN REPEATER NEWS

The 443.350 repeater antenna has been repositioned to better serve the main Valley North and South, improvements in coverage should be most evident North and North-West of the Big Mountain Repeater Site. Some signal deficit may be seen East and East-North-East, but being so close to the Blue Ridge to the East, it may go unnoticed.

The 443.350 is now at 50 watts, and is linked to Wires-X most of the time via Eric-K9JEP's Node, Thanks Eric for that great service!

Big Node (bignd) is back on the air, any signal reports for Big Node would be appreciated.

The HSMM 2.4Ghz. South (Elkton Node) which covers Shenandoah, and Elkton is back on the air,as well as another 2.4 Node aimed at Luray.

Our next project is to pull the **146.625 Yaesu DR-1** and send it back to Yaesu for a factory firmware upgrade, which will give it the same functionality as the 443.350 DR-1FR.

While the 146.625 DR1 is on the road, we will have a Maggiore Hi Pro R1 in place, same PL, same power. The only thing you should notice is, the Maggiore has a courtesy tone.

When the weather warms up, and dries out we will be having a work day on Big Mountain to paint the repeater building, when a date and time is set I will send out an email. As much fun is it is to paint a repeater building on a mountain top, you may need to reserve your spot early, parking at the site is somewhat limited:)

Thanks to all who help in any way with the Big Mountain Repeater Association, A special thanks to Bob-KI4VFP and Gene-KJ4HFO for the help on the last trip to Big Mountain.

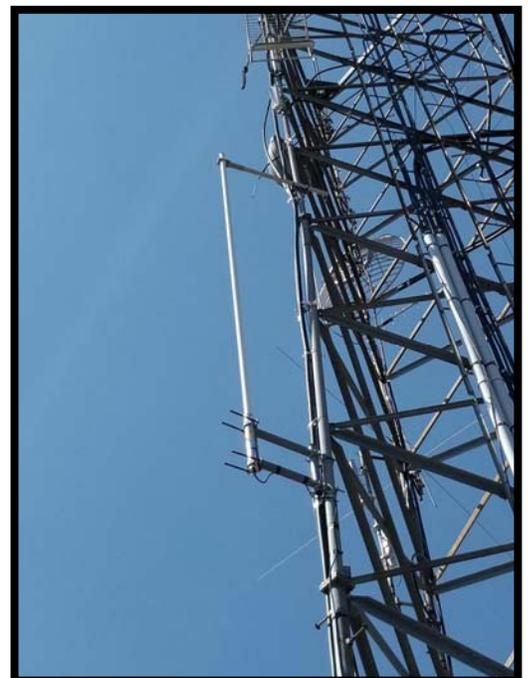
Any signal reports for Big Mountain can be emailed to me via n4ysa@gmx.com, for 146.625, 443.250, 146.57 Packet or the 2.4GHz./5GHz Mesh.

If you know of anyone else that would like to be on the "Big Mountain News" mailing list, let me know. Thanks to everyone who made donations, worked at the site, offered or gave technical help, or just gave a signal report, it is all appreciated.

Mark Hensley, N4YSA
n4ysa@gmx.com

MASSANUTTEN 145.13 REPEATER WORK COMPLETED

The 145.130 repeater antenna project is now 100% complete. The feedline is in protective conduit from the building to the tower base, the station ground is solidly attached to the building ground system, the antenna is mounted in its permanent location on the south leg of the tower, and the top brace is now installed, thanks to work by N4YSA and his crew. The repeater is now operating up to full performance as approved in the coordination specifications. This repeater has emergency power, and has wide-area coverage, reaching well into Augusta and Shenandoah Counties. Plans are for it to become the primary Rockingham County ARES repeater.



SPRUCE KNOB SOTA ACTIVATION

Summits on the Air, W8V/PH-001, from Spruce Knob, highest point in West Virginia, activated April 27, 2019, by Fred Castello KF4FC, Wayne Bowyer N4EYZ, Tom Benson WA4ESI, and John Chevalaz KB2LOZ. Great weather in spite of the cool breeze. Although it is only 45 miles from Staunton, it takes over 2 hours to drive there!



Below Left: WA4ESI, N4EYZ

Below Center: KB2LOZ

Below Right: KF4FC



W4ZAO: BAREFOOT CONTESTER

Do you really need an amplifier? Not if you have a location in a quiet radio hole, behind a rock hill, in a very low place, on the waterfront of Middle River! Look at the statistics for John Keller, whose QTH is down in the hole outside of Verona, mere feet above the water level of the Middle River:

CQ 160m Contest: John placed 2nd in the United States (out of 166), 4th in North America (out of 186), and 11th in the World (out of 61), low power single op.

ARRL 10m Contest: John scored 2nd in the United States (out of 24), 2nd in North American (out of 27), and 10th in the World (out of 1245), low power single op assisted.

CQ DX Contest: John scored 6th in the United States (out of 304), 9th in North America (out of 352), and 32nd in the World (out of 1245).

VA QSO Party Preliminary Results: John worked more Virginia cities and counties than any other station in the World, let alone Virginia.

FT4 PROTOCOL FOR CONTESTING

To: WSJT-X users interested in testing FT4 From: K1JT, K9AN, and G4WJS

Soon after the "FT8 Roundup" held on December 1-2, 2018, we started serious work on a faster, more contest-friendly digital mode that can compete with RTTY-contesting QSO rates while preserving many of the benefits of FT8. The result is FT4 – a new digital mode specifically designed for radio contesting.

Over the past month a small group of volunteers have been conducting on-the-air tests of FT4. The early tests were very successful and helped us to make a number of important design decisions. We believe FT4 has considerable promise for its intended purpose.

We'll soon be ready for testing by a larger group. If you might be interested in participating and offering your considered feedback, please read the descriptive document "The FT4 Protocol for Digital Contesting", posted here:

http://physics.princeton.edu/pulsar/k1jt/FT4_Protocol.pdf

We plan to post downloadable installation packages for WSJT-X 2.1.0-rc5 on April 29, one week from today. The document linked above includes

- Instructions for installing WSJT-X 2.1.0-rc5 and FT4 configuration
- Operating instructions for FT4
- Basic description of the FT4 protocol, modulation, and waveform
- Detailed sensitivity measurements for FT4 under a wide variety of simulated propagation conditions
- Schedule for upcoming test sessions

Please consider helping us to make FT4 a successful mode for digital contesting. With best wishes and 73,

- Joe (K1JT), Steve (K9AN), and Bill (G4WJS)

FINAL RESULTS 160M CW CONTEST

Results of the 2018 ARRL 160 CW Contest

The results are in for the above contest. 3 local hams entered, with the following outcomes:

Call	Category	Score	Q's	M's	VA	Roanoke Division	US	US/VE
WS6X	SOHP, Unlimited	98,515	548	85	8 th /26	9 th /37	68 th /322	71 st /446
KR4V	SOLP	44,608	322	68	4 th /19	4 th /32	25 th /306	39 th /331
W4PJW	SOLP	42,952	382	56	5 th /19	5 th /32	37 th /306	41 st /331

Congratulations, gentlemen, for fine efforts!

FINAL RESULTS 10M CONTEST

Results of the 2018 ARRL 10 Meter Contest For Local Hams

John W4ZAO, Clint KB4OLM, and David AD4TJ entered the contest with these results:

Category: John was Single Op, Phone Only, Low Power, Assisted

Clint was Single Op, Phone Only, Low Power, Non-Assisted

David was Single Op, CW Only, High Power, Non-Assisted

	Score	Qs	Ms	VA	Roanoke Div	US	US/VE	World
John	3,744	73	26	1st of 2	1st of 2	2nd of 24	2nd of 27	10th of 61
Clint	3,456	73	24	1st of 6	1st of 9	6th of 98	6th of 101	25th of 206
David	14,112	100	36	1st of 2	3rd of 6	43rd of 89	44th of 98	49th of 137

Congratulations, gentlemen!

PVARC MEETING MINUTES

PVARC Secretary's Report – April 11, 2019 Meeting

The meeting was called to order by President Will Baukhages N4WIL at 7:10 PM at Tactical Walls in Shenandoah. (Thanks to Tim KM4TGC and Carrie KM4WDX for the donation of the use of the facility!)

6 members were in attendance

The Secretary's report was approved and Tim KM4TGC reported for the Treasurer that the account is essentially unchanged.

Old Business:

- Mark N4YSA reported on a variety of technical assistance efforts at the Big Mountain repeater. Both repeaters are now Yeasu DR1 type. The 443 machine is Wires enabled. Donations of time, equipment, and money are appreciated.
- Several Field Day preparation items were discussed. Will N4WIL reported that the club computer is configured for Winlink and FT8
- Gary K6OZ reported the club corporation report has been filed

New Business:

- New FCC pending rules, particularly the one affecting Winlink, were discussed
- Bob W4RMF announced an upcoming Special Event Station W8TFC on Apr 13, 1200Z-2000Z, in Richwood, WV.
- Gary K6OZ announced that there may be a need for assistance for the Tour of Page County bicycle race on April 27th

The meeting was adjourned at 7:45 PM, followed by an interesting presentation by Will N4WIL of a new digital mode called JS8CALL which uses FT8 style protocols to achieve bandwidth efficiency but which allows more flexible interactive QSO's including message forwarding through intermediate stations.

Respectfully submitted by Gary Fischer K6OZ, PVARC Secretary

MARA TREASURER'S REPORT

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

Opening Balance		<u>\$ 3,119.14</u>
Income: Memberships	\$ 54.00	
Total Income:		<u>\$ 54.00</u>
Expenses: Electric	\$ 22.32	
Total Expenses:		<u>\$ 22.32</u>
Balance April 20, 2019		<u>\$ 3,150.82</u>

Submitted by Foster Farone WF4O
MARA Treasurer

MARA AUDIT COMMITTEE REPORT

February 18, 2019

We, the undersigned, being named as the 2018 Audit Committee for the Massanutten Amateur Radio Association, Inc., have performed a detailed examination of the organization's financial records we were provided for the period January 1, 2018 to December 31, 2018.

In our opinion, the records present fairly the financial position of the organization as of December 31, 2018. During our review, we discovered no evidence that would cause us to suspect material error, fraud, or other discrepancies with the financial management or recordkeeping.

The records indicate that the organization's financial balance as of December 31, 2018, is \$2,718.70.

(Signed)

Jeff Huffman, KN4GMA
Sheryl Tonini, KJ4DOC,
Andrew Pearson, N4RCE

MARA MEETING MINUTES

MARA Secretary's Report – April 4, 2019 Meeting

General Meeting called to order at Wood Grill, Harrisonburg, by **Bryan Daniels (K4RMY)** at 7:35 P.M. There were 27 members and 5 guests present. Introductions were made all around.

New Member Vote: none

New Member First Reading: none

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

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

Committee Reports:

ARES: Bryan: The **145.130 repeater** will be used at 20 watts output for the 4/8 ARES net, to gain better indication of its coverage since the recent work done on its mast.

At last! **Sentara RMH** is coming on board to install and activate backup communication via amateur radio. It will be the 6th regional hospital being prepared for this purpose. **Bryan Daniels (W4RMY)**, **Andrew Pearson (N4RCE)** and **Gerald Nauman (KN4FM)** met with **Scott Masincup**, where they discussed the procurement and installation of ham equipment, antenna mounts, and to-be-worked out protocols and access details. All equipment will be mounted on a cart to be kept in the Command Center when not in use. A Pactor system will support WinLink. Possible quarterly drills with other area hospitals are contemplated. Only hams with WinLink familiarity will be allowed to operate.

Andrew is suggesting a **Frequency List** to establish **Emergency Situation** HF, VHF, repeater, GRS, and FRS frequencies for ARES. He also mentioned the availability of ARES sweatshirts, if there is any interest...

Repeater Committee: Tuesday, March 19, the wind damaged standoff for the 145.130 repeater was replaced with a much sturdier mount, and moved to the SE corner of its tower, to get better coverage to the south and west. The old repeater antenna was retrieved and a temporary antenna of Jeff Rinehart's. Our crew were **Mark Hensley (N4YSA)**, **Bradley Boyd (W4BVB)**, **Herb Slade (AA2BF) (Tower Climbers)**, **David Fordham (KD9LA)**, **Fred Castello (KF4FC)**, **Jeff Rinehart (W4PJW)**, **Bryan Daniels (W4RMY)** and **Mark Whittis AK4OL (Able Bodied Ground Workers)**.

VE Committee: Gayle Shull (KU4XU): 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.

(continued)

(continued)

Field Day Committee: The next committee meeting will be On **Tuesday, April 16**, 6:00 P.M. at the Mt. Crawford Burger King. Hereafter, meetings will be on **Tuesdays**.

Public Service Committee: David Collins (N4WDC): The **Shenandoah 500** Motorcycle Run will be **September 28 –29**.

Old Business: none

New Business: none.

Announcements: none

50/50 Drawing: \$14 won by **Andy Jezioro (WA2ONG)** with \$14 going to the MARA Treasury.
Congrats, Andy!

Next meeting: 7:30 P.M. May 2, 2019 at Wood Grill. Dinner at 6:00.

Meeting adjourned at 8:24 P.M.

Program: Chuck Stover (K4QS) presented a talk with slides on **Summits On The Air**. We learned SOTA is world-wide with 138 active local organizations in the US, having unique names (e.g., W4U/SH-001). There are contests for each qualifying summit, with more or fewer points, such as for accessibility, altitude, and number of QSOs. To qualify, a summit must have at least 4 QSOs with four different stations. A reverse beacon network recognizes your SOTA station calling CQ and posts it for prospective QSO seekers. For more info, go to <http://www.sotawatch.org>

Respectfully submitted,
Herb Slade (AA2BF), Secretary



VARA MEETING MINUTES

VARA Secretary's Report – April 2, 2019 Meeting

The meeting was brought to order at 7 pm by President David Fordham KD9LA. 26 hams were present. The usual Introductions were made. The membership of Tom Shehane KM4LHR was voted on and accepted. The 50/50 drawing for \$20.00 was won by Fred Evans N4KYM. A second drawing was held for a hat (donated by David Houff WD30: an embroidered Yaesu hat); Ed Varner N4EDI was the winner.

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

John Chevalaz KB2LOZ, gave the treasurer's report; February's report was updated to include outstanding checks in the expenditures, and to be reported as from the 1st day of the month to the last day of the month, as requested at the March meeting. A motion was made to accept the report, seconded, and passed.

The March Treasurer's report was given. Al Bonck N3JB asked about the \$60.00 donation from an estate sale which had not been included in the report; John said the donation was received outside of the dates covered by the March report, but would appear in next month's report. Jeff Rinehart W4PJW asked for and received a clarification about a disbursement appearing in the report. Greg Czerniak W4GRC brought up a procedural issue relating to disbursement. After a brief exchange, David KD9LA responded that the Board will address the issue at its next Board meeting. A motion was made to accept the March report as read; seconded, and passed without any negative votes.

ARES report: David Tanks AD4TJ, EC, announced that the next net will be April 11th at 8 pm; Greg volunteered to be Net Control, on the 146.850 repeater.

David KD9LA said that Rockingham County's EC Bryan Daniels K4RMY had received a response from the Virginia Section Emergency Coordinator about the recent changes to the ARES® program after the MARA club sent him a letter of protest; the SEC said " 55 sections across the country sent in objections to the ARRL about the proposed changes. As a result, the ARRL decided to make some changes: membership would be free for all 3 levels, with only recommended courses for Levels 1 and 2; Level 3 people would still have recommended ICS 300 and 400 courses to take, in addition to requiring them to take and pass Level 1 and 2 courses ". David AD4TJ mentioned that if any ARES® member has HF and/or VHF radios and soundcard interface for digital communications, that they download and learn how to use RMS Express (Winlink), as that seems to be the direction

of digital operations for ARES® in the future.

Field Day committee: Erika Kancler K4NOV, reported that the next FD committee meeting will be April 16th, a Tuesday. We will be entering the 3A class again, with a digital operation making up the 3rd HF station. And, as usual, we will have a GOTA station and a VHF station.

Announcements: Gordon Batey WA4FJC, said the annual Frequency Measuring Test will be April 12th. The VARA annual picnic will be August 24th. Field Day will be June 22-23.



Old business: none.

New business: none.

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

David KD9LA gave a brief primer on how operating through a repeater works. He also reported on the 145.130 repeater: the antenna has been upgraded and moved around on the tower, so coverage is much improved.

Ken Anderson, W4JQT, thanked David and Debbie Fordham for the hard work on getting the Weyers Cave mini-fest together; everyone agreed that it was a huge success.

With no other comments or business to conduct, and no program, the meeting was adjourned at 7:38 pm.

Respectfully submitted,

David Tanks, AD4TJ, VARA, Inc. Secretary

VARA AUDIT COMMITTEE REPORT

February 11, 2019

We, the Audit Committee, reviewed the financial records for the Valley Amateur Radio Association, Inc. for the calendar year 2018. We found the records to be in good order and all funds were in reconciliation with the bank statements and with the treasurer's reports as presented.

(Signed)

Raymond LaFalce, K2ULW

Kevin Numbers KC8KTV

John Lasher, N3GLZ

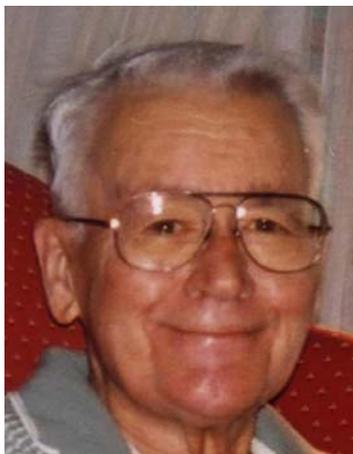
MYSTERY HAMS: SILENT KEYS



April Mystery Ham:

**John Harvey,
WB4KIT, SK**

The April mystery ham was truly an Elmer-Extraordinaire. Having helped countless hams in the Shenandoah Valley get started in ham radio, John taught Morse Code, electronics theory, ham radio practice, and other skills, enabling his protégé to not only pass their license exam, but also get on the air and become an active member of the ham community. Well known for his Sunday afternoon football commentary with Tim Taylor K4SAD on simplex frequency, 146.52, he was beloved by many old-timers as well as novices. The December 1998 Monitor contains two full pages of testimonial letters from those who he Elmered.



May Mystery Ham:

**MARA Officer,
Director,
Ham Advocate
and Old Timer**

The May mystery ham was 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 after 20 years of service with 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. During that time, he appeared before the Rockingham County Commission to speak on behalf of ham radio, during the public hearings on the restrictive antenna ordinance being considered by the commission. He passed away in October 2003. Remember his call?

Did You Know...?

Origin of the phrase, "Balls to the Wall", as published in the Nacogdoches Amateur Radio Club newsletter, February 2019, page 5:

"Early aircraft throttles had a ball on the end of the control handle in the cockpit.. In order to go full throttle, the pilot pushed the throttle handle all the way forward into the wall of the instrument panel. Hence, "balls to the wall" indicated you were going very, very fast."

Submitted by David Tanks, AD4TJ

UPCOMING EVENTS

MAY 2019

May 2: MARA Club Meeting

May 4: Hagerstown (MD) Hamfest

May 3-5: Ten-Ten International 10m QSO Party - CW

May 5: Page County ARES Net (146.625 PL 131.8)

May 6: Rockingham County ARES Net (147.55 Simplex)

May 7: VARA Club Meeting

May 9: Augusta County ARES Net (146.850 PL 131.8)

May 9: PVARC Club Meeting

May 12: Page County ARES Net (146.625 PL 131.8)

May 13: Rockingham County ARES Net (147.225 PL 131.8)

May 18-19: 25th Annual Massanutten Mtn Trails (MMT) 100 Mile Run Public Service Event

May 17-19: Dayton Hamvention (location: Xenia Ohio)

May 19: Page County ARES Net (146.625 PL 131.8)

May 20: Rockingham County ARES Net (147.225 PL 131.8)

May 25-26: CQ WW WPX Contest CW Weekend

May 26: Page County ARES Net (146.625 PL 131.8)

May 27: Rockingham County ARES Net (147.225 PL 131.8)



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 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)



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

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<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

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