

January 2020

THE MONITOR

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



CLUB DUES ARE DUE

No, no, no! Don't just send in your money!

Use the renewal forms at the end of this issue!

Read the important note on page 14 to find out why!

PVARC MEETING DAY CHANGES

The Page Valley Amateur Radio Club wishes to announce to all readers of the Monitor that the club meeting day HAS BEEN CHANGED to the 2nd Wednesday of each month.

The meeting will continue to start at 7:00 p.m., and the location will continue to be at Tactical Walls. We look forward to seeing you on January 8th.

RICHMOND FROSTFEST: FEBRUARY 1



RICHMOND RACEWAY

\$10 ADVANCE

DOORS OPEN
AT 8:00 AM FOR
ADVANCE TICKET
HOLDERS



JANUARY CLUB MEETINGS

Thursday January 2 – MARA Meeting: Wood Grill

The Massanutten Amateur Radio Association, Inc., will hold its normal monthly meeting on Thursday, January 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. The program will be on RFI. All hams and visitors are invited and encouraged to attend.



Tuesday January 7 – VARA Meeting: Hometown Grill and Buffet

The Valley Amateur Radio Association, Inc., will hold its normal monthly meeting on Tuesday, January 7 at the Hometown Grill and Buffet just north of Highway 250, and 1 block east of Interstate-81's Exit 222 in Staunton. The meal begins at 6:00 pm, the business meeting starts at 7:00 pm.



Wednesday January 8 – PVARC Meeting: Tactical Walls

The Page Valley Amateur Radio Club normal monthly meeting is Wednesday January 8 at 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.



ANOTHER MONITOR CORRECTION

In the November issue of the Monitor, the list of stations participating in the Shenandoah Fall Foliage Bike Festival also left out **Kristen Weaver, KM4PVU**, granddaughter of Gordon Batey. Apologies for this omission.

HAM RADIO LICENSE EXAMS

December 7 Examination Session Results

On December 7 we held our quarterly VE test session at the Woodlife building on Route 42 north of Dayton. There were seven candidates that took tests. Three of the candidates earned a Technician license, two upgraded to General and two upgraded to Extra class. It was a very successful test session. Congratulations to each one of you, and enjoy your new license or privileges that you earned.

The next test session will be on March 7, 2020. Keep studying and upgrade, we need the business!!

Gerald Nauman, KN4FM – Interim VE Coordinator

I would like to thank the VE's that helped, pictured below from left to right:

Mike Turner K4MIC; Bob Hume, K4TMV; E.C. Showalter, KG4KUR; Pat Morgan, AK4VQ; Foster Farone, WF4O; Jim Lehman, W4POL; and Bryan Daniels, K4RMY.



VE Exam Session Schedule for 2020

2020 Volunteer Exam sessions are scheduled for March 7, June 6, September 5, and December 5, 2020.

Become an Accredited Volunteer Examiner

If you are interested in becoming an accredited ARRL Volunteer Examiner, contact Gayle Shull, KU4XN, at 540-828-2132 or email gshu74@gmail.com OR Gerald Nauman, KN4FM, 540-434-0859, or email genauman@verizon.net



OPERATION GRID FAILURE

A Practice Ham Emergency Drill for Long-Term Widespread Power Grid Failure

Operation Grid Failure is an emergency or disaster exercise that will take place across the Commonwealth of Virginia. All Amateur Radio operators are welcome to participate regardless of any group affiliation or non-affiliation. The drill starts at 8:00 am and lasts until 2:00 pm on January 18.

More information can be found at: <http://www.w4ghs.org/gridfailure-home.html>

WA3YTE STATION STILL AVAILABLE

PRICES REDUCED AGAIN ! Back in the 1970's, my Uncle Charles (Chuck) Lasher (WA3YTE) was my originally "Elmer" into the amateur radio hobby. A couple of months ago, Chuck fell at his home and doctors made it clear that his health had deteriorated enough that he should no longer live alone. He is now living in an assisted living facility. I have agreed to help him sell off his equipment. The following is a list of his equipment along with negotiable asking prices. The equipment is available for viewing at my home just north of Waynesboro. If interested, please contact me on my cell phone at 540-451-0184. — **John Lasher N3GLZ**

- Kenwood TS-940S Top-of-the-line (for its day) HF transceiver: Now asking \$650
- Kenwood MC-60 Desk Microphone: Now \$50.00
- Yaesu FT-897D HF/VHF/UHF/6m transceiver, with hand microphone and headphone adapter: Now \$750
- Kenwood SP-41 External Station Speaker: \$25
- Kenwood TH-251A 2-meter handheld transceiver with drop-in rapid charger, but needs battery: \$25 OBO
- Italy RM LA-250 VHF Linear Amplifier for 2-meters, up to 50 watts input, 200 watts output, new: \$350
- Uniden BC-145XL Analog Scanner—16 channels: \$25
- Uniden BC-140 10-channel Analog Scanner: \$25
- Astron RS-20M 20-amp 12VDC power Supply: \$120
- Telex headphone-mic headset with cords: \$25 OBO
- Midland CB Radio: \$20 OBO
- Vibroplex Bug — Chrome, Morse key: \$125, also a Straight Key: \$30
- Mini-keyer with plug and cord: \$25 OBO
- Nissei Power/SWR meter (VHF/UHF): \$30
- Antenna Switch, 3 position: \$30
- Cushcraft ARX-2 VHF 2-meter Ringo Ranger: \$40 OBO
- Homemade J-pole dual-band antenna: \$25 OBO
- Hexacon Soldering Iron station with variable heat: \$35
- LED Power Supply, Various antenna mast mounting hardware, and various coax jumpers: Offers welcome.



VIRGINIA QSO PARTY RESULTS

With the help of **Dave Fordham KD9LA**, **Sandy Mullins K4PZC**, and the books “ Microsoft Office 2000 Introductory Course “ and “ Excel 2003 For Dummies “, I have finally gotten the file put out by the sponsors of the QSO party sorted out to get the results I have been looking for.

The Shenandoah Valley Wireless contest club had 6 members contribute their logs to help us come in 5th place of 25 (at least) Virginia clubs!

The largest contributor to our effort, of course, goes to **John Keller W4ZAO**, master of the airwaves! He had a score of 130,416 points with 602 Qs and 119 Counties and Independent Cities (C&IC 's). He won 2 plaques: for working the most C&IC's, and for the highest score in the Single Operator, Phone, All, Low Power category.



W4PJW Jeff Rinehart took 5th of 43 in the Mixed, All, Low Power category scoring 35,541 points and 287 QSOs and 79 C&IC's.



N4EDI Ed Varner placed 9th of 16 in the PH, 80m, Low Power category with 1,536 points and 46 QSOs and 30 C&IC's.

K2HYD Ray Albers placed 13th of 21 in the CW, ALL, Low Power category with 5,964 points and 71 QSOs and 22 C&IC's.



AK4VQ Pat Morgan placed 10th of 12 in the PH, ALL, High Power category with 2,394 points and 57 QSOs and 34 C&IC's.

AD4TJ David Tanks placed 10th of 21 in the CW, ALL, Low Power category with 13,208 points and 127 QSOs and 26 C&IC's.



Other locals had the following results:

WS6X Jim Clymer placed 7th of 21 in the CW, ALL, Low Power category with 22,320 points and 180 QSOs and 27 C&IC's.

WA4NUF Gene Sullivan placed 1st of 4 in the PH, 40m, Low Power category with 10,815 points and 309 QSOs and 3(?) C&IC's.



N5SMQ Butch Washer placed 10th of 16 in the PH, 80m, Low Power category with 891 points and 33 QSOs and 21 C&IC's.



Good work, guys! **David AD4TJ**

OFFICIAL 2019 NAQP RESULTS

In the above contest, the Shenandoah Valley Wireless contest club was active with four members sending in logs with the following outcomes:



The club placed 26th of 81 clubs with a combined score of 140,461 points.

James McDowell NN4JM (now K8KA) scored 75,400 points with 754 QSOs and 100 Multipliers.

David Fordham KD9LA scored 34,104 points with 348 QSOs and 98 Multipliers.

Clint Campbell KB4OLM scored 20,254 points with 247 QSOs and 82 Multis.

Sandy Mullins K4PZC scored 10,703 points with 139 QSOs and 77 Multis.

Great job, guys!
David AD4TJ,
SVW Club Manager



2019 RTTY ROUNDUP RESULTS

The results for the following local hams in this contest, which included RTTY AND FT8 are:

		Score	QSOs	Multis	Place: VA	Roanoke Division	US
W4PJW	SO LP:	26,585	412	65	1 st of 16	4 th of 31	61 st of 359
N5SMQ	SO LP:	16,182	285	58	5 th of 16	8 th of 31	102 nd of 359
AD4TJ	Unlimtd LP	7,315	138	55	11 th of 27	26 th of 58	225 th of 670
K4DJG	Unlimtd LP	1,701	64	27	21 st of 27	49 th of 58	478 th of 670

Way to go, guys!

73, David AD4TJ



DIGITAL REFERENCE MATERIAL

Digital HF Frequencies – By Mode

A nice list of appropriate frequencies for the digital HF modes (PSK, RTTY, JT65, JT9, FT8 and FT4) can be found at: <https://www.qsl.net/sv1grb/psk31.htm>

Where is your signal going? Look at your coverage with PSK Reporter

Never heard of PSK Reporter? Never tried it? I've learned a LOT about my station and my antenna from using FT8 in conjunction with an online tool called PSKREPORTER. PSKREPORTER gives you a graphic global map of where your signal is being heard and (rather than the meaningless "599") an accurate dB measurement of your signal strength. It also is a very effective tool for sampling propagation. Send a half dozen CQ's on an open band, and PSKREPORTER typically will return a few dozen reports on a global map, showing you a pattern of your signal reach and relative strength. So, while FT isn't much of a communications mode, it certainly has been a great learning tool for me, especially in this time of poor propagation. Give it a try. — David Tanks, AD4TJ

YES!!!! I use it all the time for the same reasons! I first check the band to see who and where signals are going. Then I change it to look for my call and throughout some CQ's to see if my pitiful station is heard anywhere. I use it on 70cm, 2m, 6m and 10m most of the time, sometimes on lower bands if I'm looking for a specific path to somewhere. I also encourage anyone that has WSJT-X to leave your radio and computer on monitoring FT8 on any band, esp. the higher ones & have the PSKreporter setting turned ON in the software settings, when working around the house or near the house. This adds to the input on this site!!! — Butch Washer N5SMQ

Identifying Digital Signals

If you have a wideband receiver or Software-Defined Radio, a website that identifies signal types by category can be found at: https://www.sigidwiki.com/wiki/Signal_Identification_Guide — Fred Castello KF4FC

LOCAL VHF OPERATING HINT

There are an increasing number of valley repeaters capable of using the Yaesu Fusion digital mode.

ALL of these machines, to our knowledge, also operate in the traditional analog FM mode, too, so you should feel free to use any of these repeaters in this area, on the mode of your choice, with the radio of your choice.

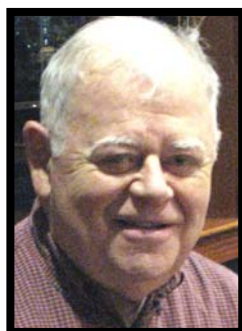
If you are using a non-Fusion analog FM radio, and are bothered by the "brrrraaapppp" of the digital transmissions simply change the setting on your channel to Tone **Decode** in addition to the tone encode setting. Activating the tone (usually 131.8) on both transmit **AND** receive lets you monitor analog conversations on the repeater, without hearing the digital "noise".



MARA 2020 OFFICERS



PRESIDENT
Bradley Boyd
W4BVB



VICE-PRESIDENT
Bob Steere
N1QEQ



SECRETARY
Chris Shirkey
KI4BAQ



TREASURER
Gerald Nauman
KN4FM



BOARD 2020
Andrew Pearson
N4RCE



BOARD 2021
Don Landes
WX4C

VARA 2020 OFFICERS



PRESIDENT
David Fordham
KD9LA



VICE-PRESIDENT
Ellsworth Neff
K4LXG



SECRETARY
David Tanks
AD4TJ



TREASURER
John Chevalaz
KB2LOZ



BOARD 2020
Wayne Bowyer
N4EYZ



BOARD 2021
Dave Thomas
WD30

FIELD DAY ?? ... IN WINTER ?!?

Yes, indeed, Winter Field Day, on the weekend of January 25-26 is an event similar to the well-known ARRL Field Day held every June. But this event is held in January, rain or shine, snow, sleet, ice, or anything else Mother Nature decides to throw at you. Want to participate?

Point your browser to: www.winterfieldday.com for details. Up for some winter camping?



VARA CHRISTMAS BANQUET REPORT

VARA December 3, 2019 Banquest Meeting

The Valley Amateur Radio Association, Inc., held its December Christmas Banquet at the Golden Corral in Waynesboro on December 3 as announced in two previous newsletters and multiple emails to members. There were approximately 39 people in attendance. The event was not a formal meeting, and no business was conducted. An informal survey was held to gauge interest in returning to the restaurant for the 2020 December Christmas banquet. The voice vote was unanimous in favor of returning to the Golden Corral next December 1st. After dinner, a "yankee gift exchange" was enjoyed by all present.

MARA TREASURER'S REPORT

November 21, 2019 to December 20, 2019

Opening Balance November 21, 2019		<u>\$ 2209.58</u>
Income: Dues	\$ 225.00	
	<u>Total Income:</u>	<u>225.00</u>
Expenses: Electric November	\$ 22.89	
Mara.ws domain renew	34.99	
U.S. Forest lease (Great North Mtn.)	125.30	
	<u>Total Expenses:</u>	<u>\$ 183.18</u>
Balance December 20, 2019		<u>\$ 2,251.40</u>

Submitted by Gerald Nauman KN4FM
MARA Treasurer

MARA MEETING MINUTES

MARA Secretary's Report – December 5, 2019 Meeting

General Meeting called to order at Wood Grill, Harrisonburg, by **President Bryan Daniels (K4RMY)** at 7:30 P.M. There were 19 members and 4 guests present. Introductions were made all around

New Member Vote: Daniel Perry (KN4WDD) Unanimous in the affirmative.
Welcome, Daniel!

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: no report

Repeater Committee: See Old Business.

VE Committee: Gayle Shull (KU4XN): The next regular test session will be at 9:00 A.M., December 7, at Woodmen Life, 3045 John Wayland Hwy (Rt 42) in Dayton.

Public Service Committee: no report

Old Business: David Fordham (KD9LA): The Yaesu Fusion repeater (147.315) is being shipped. We need to find a new place to put it, as the present housing is inadequate.

New Business: Herb Slade (AA2BF) discussed reassigning the Secretary's duties regarding the new member votes and 50/50 work, with the At Large Board members, **Andrew Pearson (N4RCE)** and **Don Landes (WX4C)**. They both agreed to take on those responsibilities, to reduce the burden on the Secretary while he/she is taking notes on the general meeting.

Announcements: Bryan: The hospital net has been working very well. Also, Dieter Merz (K4IZ) is arranging for a donation for MARA's support at the Shenandoah 500 event. Bryan noted that it may even cover the cost of the Yaesu Fusion repeater.

Next meeting 7:30 P.M. Jan 2, 2019 at Wood Grill, 1711 Reservoir St., Harrisonburg, VA. Dinner at 6:00.

50/50 Drawing: none

Meeting adjourned at 7:42 P.M.

Program: none

Respectfully submitted, — Herb Slade (AA2BF), Secretary

PVARC MEETING MINUTES

PVARC Secretary's Report – December 12, 2019 Meeting

The meeting was called to order by Vice President Gene Frazier KJ4HFO at 7:03 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 Secretary's and Treasurer's reports were approved.

The club wishes to announce to all readers of the Monitor that the club meeting time, date and place HAS BEEN CHANGED to 7PM on the 2nd Wednesday of each month at Tactical Walls. We look forward to seeing you on January 8th.

Old Business

In continuing discussion of improving attendance and better publicity of the meetings, Bob KI4VFP reported that he placed some QST magazines in the Luray library, along with the club information and facebook page, and they were rapidly being depleted. He placed more and suggested that we place some in the other libraries in the region. He also created a list of local licensed hams and the group helped him determine which were deceased or no longer active. The remainder will get postcards encouraging participation in the club. He also updated the ARRL club listing with current meeting time and location and contact info. Thanks Bob !

Club officer elections coming up in January were discussed and several volunteers came forward. The resulting nominations are President: Will Baukhages, Vice President: Gene Frazier, Treasurer: Carrie Matter, Secretary: Gwen Matter. Any further nominations and volunteers should be transmitted to the club secretary at the email below.

New Business:

Discussion of the potential use of the club call sign by the group organizing the amateur station at Page Memorial Hospital concluded that more information was needed.

The regular club meeting date was discussed and a motion was passed to change it to the second Wednesday (from Thursday) at the same time of 7 PM and the same location of Tactical Walls in Shenandoah.

The meeting was adjourned at 7:50 PM, and was followed lively ham radio discussions and a rather well produced internet video about young amateurs in the UK.

Respectfully submitted by Gary Fischer K6OZ, PVARC Secretary (gary.K6OZ@yahoo.com)

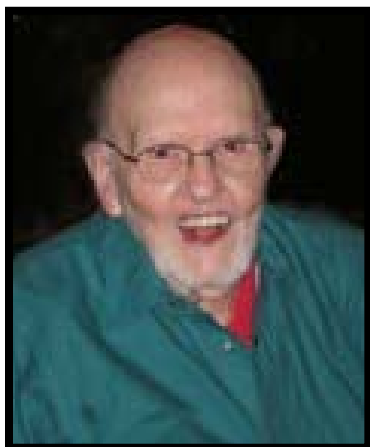
MYSTERY SILENT KEYS



**December
Mystery SK:
Clayton Towers,
K4RHQ**

**Radio Repairman,
Teacher, Veteran,
Weather Reporter,
Ham Operator for
60 years**

Clayton Towers, K4RHQ SK, was born on November 4 1919, and passed away at home in Bridgewater October 6, 2017 a few weeks shy of his 98th birthday. He taught in Rockingham County Schools (Clover Hill, Dayton, and John Wayland) for 33 years, was a graduate of the National Radio Institute and Bridgewater College, taught music for 35 years, Sunday School for 40 years, and was a Rotary Club member with 57 years of perfect attendance. For 42 years, he reported daily weather readings from his home station to the local TV and radio stations for their morning broadcasts. He was first licensed in 1957. Poor health in his later years prevented him from much ham activity, but many locals remember him well.



**January
Mystery SK:
Army Veteran,
Veterinarian,
Medical
Researcher,
Patent Holder,
CW instructor,
ARES EC, etc.**

Our January mystery silent key passed away on December 23, 2017, at the age of 99. A VARA member and Staunton resident after retirement, he started his career as a veterinarian. An expert on fleas, he invented and held the patent on the flea collar. He later became an eminent medical researcher who held no less than 27 other patents. He was director of research and development with several national pharmaceutical companies. He was co-inventor of Dopram, a drug used to help restore breathing during and after anesthesia, drug overdoses, and in various lung diseases. He earned a law degree, specializing in patent law. He appeared on the Today Show, What's My Line, To Tell the Truth, and other national TV programs. He was a U.S. Army Major. At age 70, he learned Morse Code and obtained his ham ticket, serving as Morse instructor and ham radio licensing instructor. He served many years as the Baldwin County (Alabama) ARES EC. His daughter and son-in-law were also hams and VARA members (N1XP and N3TCT). — So what was this silent key's name and callsign? Is he in your log?

Advance Notice: Far-In-The-Future Items for your Calendar — 2020

Dayton HAMVENTION — May 15-17, 2020
BERRYVILLE Hamfest — August 2, 2020

UPCOMING EVENTS

JANUARY 2020

January 2:	MARA Club Meeting: Wood Grill Buffet in Harrisonburg (6:30pm)
January 4:	Fusion Digital 2m Net, 8 pm, 145.290 repeater
January 4-5:	ARRL RTTY Roundup
January 5:	Page County ARES Net 8:00 pm (146.625)
January 6:	Rockingham County ARES Net 8:00 pm(146.55 simplex – first Monday)
January 7:	VARA Club Meeting: Hometown Grill in Staunton (6:00 pm)
January 8:	PVARC Club Meeting: Tactical Walls, Shenandoah, (7:00 pm)
January 9:	Augusta County ARES Net 8:00 pm (frequency TBA)
January 11:	Fusion Digital 2m Net, 8 pm, 145.290 repeater
January 11:	Harrisburg (PA) Hamfest
January 11:	Winston-Salem Hamfest
January 11-12:	North American QSO Party CW weekend
January 12:	Page County ARES Net (146.625)
January 13:	Rockingham County ARES Net (145.130 repeater)
January 18:	Virginia Operation Grid Failure
January 18:	Fusion Digital 2m Net, 8 pm, 145.290 repeater
January 18-19:	North American QSO Party SSB weekend
January 18-20:	ARRL January VHF Contest
January 19:	Page County ARES Net 8:00 pm(146.625)
January 20:	Rockingham County ARES Net 8:00 pm(145.130 repeater)
January 24-26:	CQ 160m Contest CW weekend
January 25-26:	Winter Field Day
January 25:	Fusion Digital 2m Net, 8 pm, 145.290 repeater
January 26:	Page County ARES Net 8:00 pm(146.625)

EARLY FEBRUARY 2020

February 1:	Richmond Frostfest
February 1:	Fusion Digital 2m Net, 8 pm, 145.290 repeater
February 2:	10-10 International Winter Contest SSB
February 2:	Page County ARES Net 8:00 pm(146.625)
February 3:	Rockingham County ARES Net 8:00 pm(145.130 repeater)
February 4:	VARA Club Meeting: Hometown Grill in Staunton (6:00 pm)
February 6:	MARA Club Meeting: Wood Grill Buffet in Harrisonburg,(6:30 pm)
February 8-9:	CQ WW RTTY WPX Contest
February 8:	Fusion Digital 2m Net, 9 pm, 145.290 repeater
February 9:	Page County ARES Net 8:00 pm(146.625)
February 10:	Rockingham County ARES Net 8:00 pm(145.130 repeater)
February 10-14:	ARRL School Club Roundup
February 12:	PVARC Club meeting: Tactical Walls in Shenandoah, (7:00 pm)
February 15-16:	ARRL International DX Contest CW Weekend

ATTENTION! PLEASE READ

IMPORTANT: READ THIS BEFORE RENEWING !!!

All three clubs are in the process of updating their email distribution lists, and their membership rolls.

Many hams have changed their email addresses and/or their phone numbers and have not notified the clubs. If you wish to continue receiving the Monitor, it is imperative that you **FILL OUT COMPLETELY** the appropriate membership renewal form and submit it with your dues. Do not just hand money to your club's treasurer.

Some MARA members may have renewed for two years last December (2018). **THOSE MEMBERS MUST COMPLETE THE ATTACHED RENEWAL FORM**, and circle YES as the response to "Did you renew for two years last year?" at the bottom of the form. No dues payment is necessary for those members who renewed for two years last year, but they **MUST** still fill out and submit the form to continue on the membership rolls.

Some VARA members may receive a dues waiver for participation for four hours or more in the Shenandoah Fall Foliage Bike Festival. If this is you, circle YES as the response to "Did you participate..." question. No payment is necessary, but you **MUST** still fill out and submit the renewal form to continue on the membership rolls.

You can either bring your renewal form (and dues payment) to the Christmas Banquet, or the January meeting, or mail it to the PO Box of your respective club(s) as shown at the bottom of the renewal form

For current MARA and VARA members, **dues must be paid by the end of the February meeting** to continue your membership. If you did not renew for 2019, you need to submit a new member application rather than using the renewal form. See your club treasurer or secretary for an application form.

2020 PVARC Membership Renewal Form

NAME: _____ CALLSIGN: _____ CLASS: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

PREFERRED PHONE NUMBER: _____ Prefer Voice or Text? (circle 1 or both) VOICE TEXT

ALTERNATE PHONE: _____ Prefer Voice or Text? (circle 1 or both) VOICE TEXT

EMAIL ADDRESS: (print legibly!!) _____

MEMBER ARRL (Y/N) _____ REGISTERED ARES (Y/N) _____ SKYWARN ID: _____

Are you available for Workday Daytime Emergency Call up? (Y/N) _____ Workday callup phone number: _____

PVARC Members mail with \$15 annual dues to PO Box 245 Luray VA 22835-0245

2020 MARA Membership Renewal Form

NAME: _____ CALLSIGN: _____ CLASS: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

PREFERRED PHONE NUMBER: _____ Prefer Voice or Text? (circle 1 or both) VOICE TEXT

ALTERNATE PHONE: _____ Prefer Voice or Text? (circle 1 or both) VOICE TEXT

EMAIL ADDRESS: (print legibly!!) _____

MEMBER ARRL (Y/N) ___ REGISTERED ARES (Y/N) _____ SKYWARN ID: _____

Are you available for Workday Daytime Emergency Call up? (Y/N) _____ Workday callup phone number: _____

Did you renew for two years last year? YES NO

MARA members mail to MARA, PO Box 1882, Harrisonburg, VA 22801
Unless you renewed for 2 years in December 2018, include \$15 annual dues.

2020 VARA Membership Renewal Form

NAME: _____ CALLSIGN: _____ CLASS: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

PREFERRED PHONE NUMBER: _____ Prefer Voice or Text? (circle 1 or both) VOICE TEXT

ALTERNATE PHONE: _____ Prefer Voice or Text? (circle 1 or both) VOICE TEXT

EMAIL ADDRESS: (print legibly!!) _____

MEMBER ARRL (Y/N) ___ REGISTERED ARES (Y/N) _____ SKYWARN ID: _____

Are you available for Workday Daytime Emergency Call up? (Y/N) _____ Workday callup phone number: _____

Did you participate at least four hours in the 2019 Shenandoah Fall Foliage Bike Festival? YES NO

VARA members mail to: VARA, PO Box 2103, Staunton, VA 24402
Unless you participated for four hours in the Shenandoah Fall Foliage Bike Festival, include \$15 annual dues.

MASSANUTTEN AMATEUR RADIO ASSOCIATION, Inc.

President: Bradley Boyd, W4BVB
Vice President: Bob Steere, N1QEQ
Secretary: Chris Shirkey, K14BAQ
Treasurer: Gerald Nauman, KN4FM
Board (exp 2020): Andrew Pearson, N4RCE
Board (exp 2021): Don Landes, WX4C

<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: Ellsworth Neff, K4LXG
Secretary: David Tanks, AD4TJ
Treasurer: John Chevalaz, KB2LOZ
Board Member (exp. 2020): Wayne Bowyer, N4EYZ
Board Member (exp 2021): Dave Thomas, WD3O

<http://w4xd.com>

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

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

Dress is Casual. 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.

Back issues are freely available on the MARA website starting a few months after publication.

The clubs derive their revenue from memberships, The Monitor is not made regularly available on a timely basis to individuals who are not club members, but occasional complimentary current copies are provided to prospective members free of charge.

Articles in the Monitor may be quoted with attribution. Being a publication of an IRS 501(c)3 educational organization, the Monitor may occasionally use copyrighted material under the Fair Use Provisions of copyright law.

Copyright notices must be respected.

Editor: David Fordham, KD9LA,
email: kd9la@arrl.net or fordhadr@jmu.edu