

# The Monitor

Published jointly by the Valley Amateur Radio Association and the Massanutten Amateur Radio Association,  
Dedicated to serving those interested in Amateur Radio in Virginia's Shenandoah Valley

## Bill Karle KG4UPN Assumes MARA Presidency



On the evening of July 29, in the driveway of an obscure home perched on the outskirts of beautiful Weyers Cave, the torch was officially passed (along with the briefcase, the roll of 50-50 tickets, and the club projection screen).

And so, without fanfare, without celebration, and with little more than a handshake, Bill Karle, KG4UPN, assumed the presidency of MARA.

David, KD9LA will be on an extended assignment in Europe until the end of December and will be unable to function as president during that time.

Under Article Two, Section 6, of the MARA By-Laws, "vacancy in the office of President shall be filled automatically by the Vice-President, and the

resulting vacancy in the office of Vice-President shall be filled by the Board."

With Bill now officially installed as president, the position of Vice-President must be filled by election held by the remaining members of the MARA Board of Directors. (See the list on the back cover of this and every issue of the Monitor for the Board members.)

Having recently returned from overseas travel himself, Bill brings enthusiasm and energy to the MARA leadership. With the 50-50 tickets safe in hand, he is well-qualified to assume the duties and responsibilities of so lofty a position. Welcome, Bill, to the position desired by so many hams that they can't even be counted!

## Outgoing MARA President's Message

Yeeeee— hah!

73, Dave, KD9LA

## Monitor to Continue Uninterrupted — from Belgium

Seriously, I have enjoyed serving as President. The job turned out to be far less stressful than I anticipated. It was actually fun and rewarding to get to know so many leaders in the community who think so highly of ham radio operators.

I wish Bill the best in serving the club members for the remainder of my term, and know he will do a great job.

There is a lot on the plate right now, with the upcoming events (see page 6 to get an idea of what's in store for the coming weeks!) I know that the hams will rise to the challenge and not put Bill in the spot of having to tell the public service agencies that hams cannot meet their needs.

In addition to the events on page 6, we also have the Camp Still Meadows Horsie ride on October 10, and the Fall Foliage Bike Ride October 15-17 (formerly known as the Johnny Appleseed and Bike Virginia Rides, respectively).

Please keep these in mind as you schedule your fall.

And a special thanks to Bill Jones, KE4FM, for agreeing to print, fold, staple, label, stamp, and mail the paper copies of the Monitor. Yes, the Monitor will continue while I'm abroad. I will put the newsletter together via email (so keep sending me your articles and news!), and Bill Jones will use his email copy to print for those of you who get a paper copy.

See you in January! — Dave KD9LA

## Foggy, Soggy Hoggies: Greenbank Tour Fun

Thanks to Joe Meek KD4FKT (who arranged the tour) and Rick Fisher KE8DH (who conducted the tour), over a dozen hams had a great time at the Greenbank National Radio Observatory Telescope facility in Greenbank, West Virginia.

The group met at the Holiday Inn parking lot north of Staunton at 8 am as planned. After a brief organizational meeting to determine who was riding with whom, the hams hit the road, taking scenic Highway 250 over the mountains into the fog.

Led by an intrepid fearsome foursome atop Harley Hogs (cute crotch rockets), the caravan of curious car-poolers careened towards the complex located close to Cass.

Pausing briefly at the top of Shenandoah Mountain for a group picture (top of opposite page) the line of vehicles stopped again in Monterey for some go-go juice (for the Hogs, for the cars, and for the hams).

Another stop was made west of Hightown to allow the unprotected Hoggy riders to don raingear.

Upon arriving at the antenna complex, the hams took in the very nice visitor center and museum, learning about the radio waves emanating from intra and intergalactic space. After a few minutes in the visitor center, the group was treated to a personally-guided behind-the-scenes tour by Rick, one of the lead scientists at the facility.

Rick showed off the electronics labs, specialty receivers (bottom right) and control room (opposite, middle) and explained the necessity of cooling the receivers to just a few fractions of a degree above absolute zero. He also explained how the facility deals with interference and reflected signals (from aircraft radar reflections to computer hash) to distinguish space signals from terrestrial ones (top right).

Using observatory vehicles, Rick led the group through the restrictive gates out into the telescope field (right center). The group got to see several of the large dish antennas up close and personal, including the "Green Bank Telescope", the 100-meter dish, the largest steerable antenna of its kind in the world (opposite page, top right and next-to-bottom)

After the tour, the hams ate in the employee cafeteria. A hamfest-like convention of astronomy vendors was going on in the basement of the visitor center, treating hams to demonstrations of telescopes, binoculars, and other astronomical observing technology.

In short, a good time was had by all! More photos are available at [www.n4dsl.com](http://www.n4dsl.com)





# TRAVEL ADVISORIES

## Presidents On The Go

Saturday, July 24, someone asked, "who's minding the store?" Or rather, who is in charge of the clubs?

MARA President David KD9LA was on the road returning from a trip to Florida. That same morning, VARA

President Billy KG4JOF, was on his way to Myrtle Beach, South Carolina.

The two presidents met up on 7.255 MHz SSB about 10 in the morning, when Billy was in Lynchburg, and Dave was in Brunswick, Georgia.

In addition to working each other mobile, off and on during the rest of the day, the two also worked Benny N4BCC, Pat KD4WWF, Butch N5SMQ, Ray KE4HVR, and a couple of other local hams whose names and calls were able to escape from the log.

Dave noted that he was able to hear Ray "in the clear" as late as 6 pm, long after the usual broadcast QRM normally becomes unbearable on 40 meters. The propagation was quite unusual.

## Alaska Trip Melted Down, Smoked Out, and Burnt Away

Last summer, several hams in the valley hatched a fantastic plan... a plan some felt was beyond belief to begin with.

A large group of hams, including W4PJW, W4QDC, N4ATF, KC4HYO, WA4KKL, and others decided to take a six-week (or even an eight-week!) caravan trip to the Frozen North country: Alaska! The Arctic Circle. Polar Bears and Igloos.

Using their mobile Marriotts

(aka recreational vehicles, campers, trailers, RV's, etc.) the group expected to drive together all the way across the continental U.S., up through Canada, and into the land of the midnight sun. They invited other hams to join in the trek.

Alas, as the bard would say, the best laid plans of mice and hams....

One by one, some of the hams got "cold" feet (pardon the pun) just thinking about

the tremendous distance, the time, and the cost. Some thought about their age and the physical strain the trip would put on equipment and the human body. And the Alaska wildfires made some nervous.

And then, at the last minute, when the last hardy (hearty) souls were already packed and ready to go, medical problems among relatives and family members derailed the trip entirely.

The group has decided to take a short two-week trip to Tennessee instead, and will try to reschedule the Alaska trip for next year.

Out of respect for those hams who insist on buying Ten-Tec gear, the group has decided not to even listen to ham radio, let alone get on the air, while in the Volunteer state.

If you own an RV or trailer, start making plans now to join in the caravan next summer. Wearing a heavy coat and parka in August is supposed to work wonders for valley fever.

## Others On The Road Again. Even the Railroad.

We've heard rumors that lots of folks have been working ham radio while mobile or portable. The dynamic Brunk brothers K4RBZ and W4RY, have reportedly been out of the area at exotic locations. Bob K4DJG has also supposedly been away, someone from Staunton was supposed to have been at

the outer banks for a while (we won't say who!), and Joe KE4HVO was in Utah for a couple of weeks.

No one has submitted a report on their travels, let alone pictures for us to see! Come on, guys, use your email attachment figure and let us in on what you've been up to!

While in Folkston, Georgia, KD9LA noticed a Ringo Ranger ARX-2B antenna sticking off the end eaves of a train platform. Upon investigation, it was discovered that the platform was wired with a box which contained a radio tuned to the railroad frequencies! Interested visitors passing through Folk-

ston on US 1 can hear the transmissions of the train crews on the famous Folkston funnel, a stretch of track traveled by every train moving into and out of Florida. The platform is passed by almost 100 trains a day, and is a favorite stopping point for railfans.



## Thanks to N1QEQ

In addition to being the driving force behind the local government's declaration of ham radio week, and being the ham who has bruises

from banging his head against the brick wall trying to get some media coverage for Field Day, Bob N1QEQ also took the time to write a

letter to editor for publication in the Harrisonburg paper thanking the local trailer rental company for providing the trailers used in the FD

operation. Hats off to Bob for doing this on behalf of the clubs.

## Apologies to KI4FZY

In last month's newsletter, we failed to include the call-sign of James McDowell, KI4FZY, grandson of Norman KA4EEN. James is one of the graduates of the ham radio class conducted in Verona. Welcome to the ranks of ham radio, James.

## Thanks To ... uh, Someone; From KD4HWT and WA3TFX

KD4HWT and Myself WA3TFX, would like to thank the members of both clubs for all their kindness and presenting us with the ARRL FIELD DAY PINS last Saturday. We had a great time, and will always remember that overheated generator when we think of Field Day 2004. That was good practice in emergency preparedness or Murphy's Law. "HI" As luck would have it we had forgotten the persons name who gave us the pins, but you know who you are; thanks again.

73 Helen and Ed Troutman, Brandywine WV



## Public Service Report: Bridgewater Lawn Party

The Annual Bridgewater Parade received help again this year from ham radio operators who helped police the road closings. Stationed at strategic intersections, the hams kept traffic from interfering with the parade.

This year, unlike years past, the job was made a lot easier by the provision of "Road Closed" signs. This gave the hams' directions little more official clout, and eliminated a lot of the flak and objections from drives intent on

getting through the road-blocks.

Thanks to the following hams for their help:

**Ray Ritchie K4NRA**  
**Nancy Ritchie KG4JAZ**  
**Ray Colvin KE4HVR**  
**Nancy Colvin KE4PHP**  
**Gayle Shull KU4XN**

**Gail Shull KG4JBF**  
**E.C. Showalter KG4KUR**  
**Bob Tennyson KE4CHL**  
**Richard Huttinger AA4RH**  
**Gerald Nauman KN4FM**  
**Gordon Batey WA4FJC**  
**Dave Fordham KD9LA**  
**Chris Shirkey KI4BAQ**  
**and Bob Steere N1QEQ.**

## Mountain Mama Bike Ride August 7

The Mountain Mama Bike Ride will be Saturday Aug. 7th beginning in Monterey at the Highland County High School.

Jerry Moats WD4ITN is looking for volunteers to help with communications as in past years.

Riders leave at 8:00am so it would be nice if hams could meet at the Highland County High School building at 7:00am or as soon as they could arrive. Any-

one interested in helping is asked to e-mail Jerry and let him know so he can get a schedule made up and know how many will be there. Jerry's e-mail address is: wd4itn@yahoo.com

## Augusta County Fox Hunt August 12

The Augusta County ARES will sponsor a hidden-transmitter hunt (known as a fox hunt) on the evening of August 12.

Bob, N4JGO, has volunteered to be the fox. He will transmit periodically on 146.490 simplex. Fox hunt participants can communi-

cate with each other on the 147.075 repeater to coordinate efforts and locate the foxes position faster.

All hams are invited and welcome to come out and have a fun time!

## VE Test Session August 14

The Volunteer Examiners will hold a testing session on Saturday, August 14. Can you help? If you can please contact Gayle

Shull, KU4XN at 828-2132. This will be the first session using the new General Class test pool.

As usual the session will start with sign-in at 9:00 am, and the testing will begin as soon as the paperwork is completed.

Test cost is \$12. Pass the word if you know anyone seeking to upgrade or become a ham.

## VHF Contest September 11-12

Jason, N4DSL, is planning an operation for the September VHF contest. He has found a site on a high mountain meadow about

25 miles north of the Field Day site. It is accessible by road, and a really great radio spot. All hams are welcome to come and

operate Field Day style! Perhaps the group might even get official approval at the MARA meeting to use the new club call-

sign K4MRA? Or how about the new 6m club beam and tower?

## MS Bike Ride September 18-19

Hams have been asked to provide communications support for a Multiple Sclerosis bike ride taking place the weekend of Sep-

tember 18-19. The ride begins in Woodstock, and runs down to Harrisonburg. The August MARA meeting will be a great

place to discuss the manning and organization of this event. The MS contact is Dave Kostelnik in Charlottesville at 434-971-8010, or 800-451-0373. Be sure to put

this date on your calendar. The weather in September is nice for a day of playing mobile ham radio.

## The More Things Change, The More They Stay The Same

Anyone recognize this Broadway ham?



### CHRISTMAS PARTY

No, it's not too early to be thinking about the Christmas banquets! Anyone like to volunteer to serve on a Banquet Committee this year? See your club president to become a mover and shaker!

*Ever wonder why Kenny, KE4GKD, went hunting so often, yet never shot a deer? —>*

## Field Day Contacts Space Station

Photos from Field Day are located on the web at: <http://www.n4dsl.com> The newsletter editor has not yet received word of the Field Day scoring results, but rumor has it that we did a little better this year than last.

A special note: Ray K4NRA was working the satellite uplink station and contacted Mike Fincke, KE4AIT on the International Space Station! The station's call is N1ISS, and the contact was recorded on tape. The FD station was using 50 watts on the first pass, and the second pass 90 minutes later used a little more. Congrats, Ray, on snatching this rare one!

### Mini-Expedition Invitation

My name is Scott Fenstermacher, AG4GO, President of the Middle Peninsula Amateur Radio Club (MPARC).

Each year the members conduct a mini-expedition to New Point Island in the Chesapeake Bay.

If you or anyone in your club would like to join us for the Light House weekend on New Point Island this August, let me know.

Scott Fenstermacher, email [dsfens@wm.edu](mailto:dsfens@wm.edu)



## MARA Secretary's Report – June 3rd Meeting

The June meeting of the Masanuttan Amateur Radio Association was held at Evers Restaurant in Mt. Crawford, the meeting was opened at 7:30PM by the club president, David Fordham, KD9LA; there were 23 members and 5 guests present.

The secretary's report for the May 2004 meeting was accepted as written in the June MARA monitor.

The treasurer's report was given by Sandy Mullins,

K4PZC and accepted by the club.

Two new members were voted into the club, Art Grandle, KD8ZG of Reynoldsburg, Ohio and Carson Ralston, KI4CQQ of Monterey.

Gayle Shull, KU4XN reported that the next VE exam will be held June 13<sup>th</sup> at the Woodmen of the World building in Dayton and that some of the students from the VARA club technician class, Gayle also reported that a 6 meter beam

has been acquired from Rusty, N4YET for field day use, the cost will be split between the MARA / VARA clubs.

A tour of the RMH ham radio station will be given June 7<sup>th</sup> by Dale Showalter, N4DAI to get familiar with the station. Those interested should meet at the RMH cafeteria at 6:30 at the cafeteria, and the ARES net will be operated from the station at 8:00.

Gail Shull, KG4JBF won the

50 / 50 drawing, Gail got \$14.50 and \$14.50 went to the club.

The formal meeting was adjourned at 8:09PM.

The June MARA program was an excellent presentation about disaster and emergency preparedness by Dan Beidler, KE4JSX.

Todd Harrison, K4TMH  
MARA Secretary

## MARA Secretary's Report – July 1 Meeting

The July meeting of the Masanuttan Amateur Radio Association was held at Evers Restaurant in Mt. Crawford, the meeting was opened at 7:30PM by the club president, David Fordham, KD9LA; there were 17 members and 7 guests present.

Norman, KA4EEN told the club his schedule for the Monday night Rockingham ARES

net is clear, anyone wanting to run the net please volunteer.

Bob, N1QEQ announced he will provide both Dove's Trailer Sales and Shen Valley Trailer Sales with certificates of appreciation for their use of trailers at the MARA / VARA field day.

David, KD9LA reminded the club of the trip to the Green-

bank observatory on July 10, people wanting to go will meet at the Holiday Inn in Verona. Also David mentioned that more help is needed for the Bridgewater lawn party on July 16<sup>th</sup> and 17<sup>th</sup>.

Wilton Thomas, KF4BFL won the 50 / 50 drawing, Wilton got \$10.00 and \$10.00 went to the club.

The formal meeting was adjourned at 7:51PM.

The July MARA program was an excellent presentation about the Rockingham / Augusta Search and Rescue team presented by Chief Jeff Good of the search and rescue team.

Todd Harrison, K4TMH  
MARA Secretary

## Fall Calendar

August 1: Berryville Hamfest  
 August 3: VARA Club Meeting  
 August 5: MARA Club Meeting  
 August 7: 10-10 Summerfest  
 August 7: Mountain Mama Bike Ride Public Service Event (pg 6)  
 August 7-8: Lighthouse Expedition Weekend (see page 7)  
 August 7-8: ARRL UHF Contest  
 August 12: Augusta County Fox Hunt (see page 6)  
 August 14: VE Exams in Dayton VA (see page 6)  
 August 15: Carroll County Westminster (MD) Tailgatefest  
 August 21: North American SSB QSO Party  
 August 28-29: Weston WV Hamfest (just west of Elkins)

Sept 2: MARA Club Meeting  
 Sept 4-5: Shelby (NC) Hamfest  
 Sept 7: VARA Club Meeting

Sept 11-13: ARRL VHF Contest (see page 6)

Sept 11-12: Gaithersburg (MD) Hamfest

Sept 18: York PA Hamfest

Sept 18-19: MS Woodstock-Hburg Bike Ride Public Service

Sept 18-19: Virginia Beach Hamfest

Sept 25-26: CQ WW RTTY DX Contest

October 5: VARA Meeting

October 7: MARA Meeting and elections

October 8-10: AMSAT Satellite Symposium, Arlington VA

October 9: VE Exams in Dayton VA

October 10: Camp Still Meadows Horse Ride (Johnny Appleseed)

October 15-17: Fall Foliage Ride (was Bike Virginia)

October 30-31: CQ WW DX SSB Contest

November 6-8: ARRL CW Sweepstakes

November 20-22: ARRL SSB Sweepstakes

November 27-28: CQ WW DX CW Contest



## VARA Secretary's Report — July 6 Meeting

The **V**alley **A**mateur **R**adio **A**ssociation met at Kathy's in Verona on July 6, 2004. The President Billy Hooke KG4JOF opened the meeting at 7:30pm. There were 18 members present and 5 guests, Bob VanFossen K4DJG, Danielle Beidler, Michaela Beidler, Ronald Mecum K14FZX and Russ Murphy K7CDJ. Welcome to our visitors, and we would like to see all of you back next month.

The 50/50 winner was Michaela Beidler, congratulations Michaela!

### ON THE SICK LIST:

**Dan James W4DLJ** is getting around without his walker part of the time and said he may make lunch before long.

**Lonnie Czerniak N4WIV** has her surgery scheduled for August 27<sup>th</sup>.

**Ken Harris KE4GKD** is having lots of out patient tests done this month for chest and arm pain at AMC.

Lets keep these folks in our thoughts and prayers.

**New Member:** John Schlabach K14FDG was voted into the VARA. Welcome to the VARA John!

The VARA voted to work the Bike Festival again this October. Mark your calendars and we will have more information as that time nears.

The Club Name Badge project funded by the VARA for all paid members has been completed. Dan Beidler KE4JSX did a great job getting the badges designed and made up by Vector Industries. Dan brought the badges to the July meeting to be picked up by the members. If you have not picked up your badge contact Billy Hooke KG4JOF at: kg4jof@arrl.net

The club discussed the possibility of purchasing a communication trailer for the club and creating a club project to get it set up with radios and antennas for emergency communication. A box type trailer could also serve as one of the stations for field day. We have a committee of four Richard

AA4RH, Dan, KE4JSX, Cowles K4EME and Gordon WA4FJC to search for a trailer, preferably a good used one. If anyone should run across a trailer of this type please contact one of the committee members.

Thanks to everyone that helped with the Bridgewater parades again this year. The donations from community service projects like this is a great help in keeping the local repeaters up and running. The police barricades made our job telling the people a parade was going on and they needed to take a different route through town a lot easier than last year.

**WEATHER WATCH:** We have been having some strange weather lately. This is a good time to check out our equipment and make sure it is in working condition. Have our local repeaters and their correct tones programmed into your radios and HT's. If you are not sure how to program your equipment make a copy of that part of your operators manual and keep it in your go box. Keep your batteries charged and emergency antennas, mast and coax where you can easily get to them and go set up a temporary station if an emergency situation should arrive.

**Thanks,** to our Field Day committee Billy Hooke KG4JOF, Richard Huttinger AA4RH and Jess Hancock W4PQK for doing the field day planning for another successful year in 2004. Thanks to everyone that helped with the clean up and mowing of the sight, rounded up trailers for the stations, brought radios, antennas, coax, towers, computers and all other items it took to get the stations ready. Also thanks to everyone for their support and time keeping the stations operating during the 24 hours. Special thanks to Norman KE4EEN & Doris Benner for keeping the hospitality center open and taking care of the sign in sheet. Hopefully the 4X4 gang will not show up before field day next year.

**Green Bank Tour** Thanks to Joe Meek KD4FKT for getting the

Green Bank Tour set up again this year. We had about twenty three on the tour and Rick Fisher was our tour guide again this year. There were some on the tour this year that had not been before. Everyone enjoyed the tour and fellowship for the day. We had a safe trip over and back even though we had to drive in the rain about half way over. There were four motorcycle riders that had to stop and dig out their rain gear just past Monterey on the way over but no rain on the trip home.

### New Club Call Sign:

Charlie Garner WA4ITY the Club callsign Trustee, has been on vacation and has not had time to go on the FCC site and get a FRN number to continue our request by Memoriam for Joe Moomaw's callsign W4XD for the VARA Club callsign.

### SWAP SHOP:

#### **This is for Ham related items**

**only.** You can send a list of items you have for sale, swap or something you would like to buy, to Billy Hooke KG4JOF at: Also a picture of the item would help it sell. Go to VARA Web Site at: <http://www.qsl.net/w4mus/> **IF YOUR ITEM HAS BEEN SOLD, PLEASE notify Billy so he can take it off the Swap Shop Web page.**

**Highland County ARES Net** will be on the Monterey repeater 147.180+ and tone of 100.0 at 8:30pm on the 1<sup>st</sup> & 3<sup>rd</sup> Wednesday of the month. They would like to welcome everyone to check into the Net.

**ALSO:** The Mountain Mama bike ride will be held Saturday August 7<sup>th</sup> If you are available to help, contact Jerry Moats WD4ITN at: wd4itn@yahoo.com This is similar to our October Fall Bike Festival here in the valley.

**ADDRESSES!!! Keep your e-mail address up to date.** Please send them to: Billy Hooke KG4JOF, KG4JOF@arrl.net Jeff Rinehart W4PJW, jmrinehart@yahoo.com Ray Colvin KE4HVR, colvingr@rica.net and David Fordham KD9LA,

fordhadr@jmu.edu Also, it's good to keep QRZ updated when call signs and e-mail addresses are changed.

**ARES NET:** David Tanks AD4TJ is looking for Net Controls for the Augusta County ARES Net. The Net will be held on the 146.850 repeater on the 2<sup>nd</sup> Thursday of the month at 8:00pm. This repeater has a minus offset and a tone of 131.8 when needed.

**PROGRAMS NEEDED:** Richard AA4RH, Program Chairman, is looking for anyone that would like to do a program for the club. Give him a call and set up a date to present it. It does not have to be HAM related. It could be anything you think the group would find interesting.

The meeting was adjourned at 8:15pm.

Submitted By:  
VARA Secretary  
Ray Colvin KE4HVR

### Why Ten Pages Instead of Twelve?

Normally, the Monitor is published in multiples of four pages: 11x17 paper folded.

This month, due to the summer closing of the normal printing shop at the university, the printing cost is unusually high. To save money, we printed on normal paper. We can only mail 10 pages without paying additional postage.

With the high cost of the printing, it was decided to save on postage and limit the issue to 10 pages.

# MARA/VARA

c/o David Fordham  
131 Wayside Drive  
Weyers Cave, VA 24486  
Phone: 540-568-3024  
Email: fordhadr@jmu.edu

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Return Service Requested

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## MASSANUTTEN AMATEUR RADIO ASSOCIATION, Inc.

President: Bill Karle KG4UPN  
Vice President: (vacant)  
Secretary: Todd Harrison, K4TMH  
Treasurer: Sandy Mullins, K4PZC  
Board (exp 04): Richard Haxton, KC3AN  
Board (exp 05): John Nelson N3JN

<http://mara.ws>

MARA meets the first Thursday of each month  
at Ever's Restaurant on U.S. 11 north  
of the traffic light in Mt. Crawford.  
Meal starts at 6:30 pm.  
Business meeting starts at 7:30 pm.

**Visitors are welcome.**

Dues (\$12 per year) should be mailed to:  
MARA  
PO Box 1882  
Harrisonburg, VA 22801

## VALLEY AMATEUR RADIO ASSOCIATION

President: Billy Hooke, KG4JOF  
Vice President: Greg Czerniak, W4GRC  
Secretary: Ray Colvin, KE4HVR  
Treasurer: Jeff Rinehart, W4PJW  
Program Manager: Richard Huttinger, AA4RH

<http://www.qsl.net/w4mus>

VARA meets the first Tuesday of each month  
At Kathy's Restaurant on U.S. 11 north of  
the traffic light in Verona.  
Meal starts at 6:30 pm.  
Business meeting starts at 7:30 pm.

**Visitors are welcome.**

Dues (\$15 per year) should be mailed to:  
Jeff Rinehart, W4PJW  
1344 Hankey Mtn Hwy  
Churchville, VA 24421