

The MARA/VARA Monitor

Published monthly by the Massanutten Amateur Radio Association, Inc., of Harrisonburg, Virginia for radio amateurs in the Shenandoah Valley.

MARA CHRISTMAS DINNER

Thursday, December 3
at 6:30 pm

PANO'S Restaurant
U.S. 11 South of Harrisonburg
(two blocks north of I-81's Exit 242)

\$6.95 per person, plus drink, dessert, tax, and tip

No reservations necessary.
Visitor's Welcome!

VARA CHRISTMAS DINNER

Thursday, December 17
at 7:00 pm

Buckhorn Inn
US. 250, Hankey Mountain Highway
10 miles west of Churchville

\$10.90 per person, includes drink, tax, and tip

Reservations highly recommended,
contact Ray or Nancy Colvin, 540-886-1559.

IN THIS ISSUE

Local Teenage Ham Needs Help (page 2)

Area Ham Works *Meteor Scatter* (page 2)
Valley Ham Works *MoonBounce* (page 3)

Antennas and Coax Switches for Sale (page 3)
N4XU's Mom Passes Away (page 3)

Local Young People and Ham Radio (pages 3 and 4)

Ham Radio Licensing Exams (page 5)
Repeaters Off the Air (page 5)

ARES Nets Still Going (page 5)

Special Tribute to John Harvey, WB4KIT, SK (pages 6 and 7)

Fun Events (page 8)
Secretary's Reports (page 9)

MARA PRESIDENT'S MESSAGE

David Tanks AD4TJ
MARA President

Hello to all from Verona! I hope everyone had a good Thanksgiving holiday. Now, on to Christmas!

The year is about gone. What a fast one! It's true, what they say about getting older, that time flies by; just ask me!

Thankfully we dodged the big bad weather bullet this year, as far as tornadoes and hurricanes go. We can't count on this good luck happening every year, so we must be prepared. We still can have a blizzard, and there's always a chance of getting a big dose of rain causing major flooding, so *stay ready*.

For those who didn't get an e-mail forwarded to you from Ed Harris on Simplex Operations, Procedures, and Equipment, please let me know and I'll forward it to you via e-mail, or by U.S. mail, if necessary. *(A copy can be obtained from the MARA Home Page on the web. -- Ed.)*

I think every ham who has any thought of being available for emergency communications should read that article and keep it for future reference. One important thing Ed emphasizes is having 50 watts or so available for simplex to ensure consistent communications from fringe areas when the repeaters go down. When you're considering future 2 meter FM radio purchases try to keep that in mind. A good 12v battery is also a good idea.

We'd like to thank Paul WV3J for his presentation at the last club meeting on QRP rigs and operating. The 80 meter CW rig in the little tin was simply amazing!

Of course, there is no December meeting due to the Christmas Banquet. January's program will be by me, on ARES readiness.

If you can present a short program on a topic, preferably ham-related but not necessarily so, please let me know! Programs help maintain interest in attending meetings, so ya'll volunteer!

Our Internet aficionado (K4PZC) got an early printing of the Field Day results and brought them to the meeting. Our score, placing us **15th out of 606** entries is nothing to sneeze at! We should all be proud of our effort, from those who operated, to those who organized it all, to those who helped set up and tear down. The Field Day activity is, in part, a training for new operators. I believe that one reason for our improvement in our score is that the operators who have participated in the last couple Field Days are now seasoned operators and can really contribute their know-how and operating skills. Let 's keep up the good work, guys! Wait 'till next year!

Happy Holidays!

NEW HAM NEEDS HELP...

John Morrison, KO4YK, sends the following request:

"A former student of mine, Reed Foster, just passed his Novice exam, and is eager to get on the air. He is looking for a used, inexpensive rig, mainly for CW use. Do you know of any contacts which might be of use to this young man?"

Reed is a senior at Riverheads High School and has the potential, drive, energy, and interest to become one of the premier ham operators of the valley. If you know of a place where Reed can buy or borrow an inexpensive CW rig, please contact John Morrison at 540-886-0367, or write him at RR 2 Box 455 E, Staunton, VA 24401, or email him at jlmorrison@juno.com. If you prefer, you can contact Reed Foster direct at fosterrp@juno.com.

Any help, or even words of encouragement to Reed, would be appreciated.

Exotic Radio Modes

LEONID METEOR TRAILS USED BY KB4LCI

David Gordon, KB4LCI, of our West Virginia department, was successful in working the exotic mode, "Meteor scatter." Dave recorded a digital packet which had been bounced off of the ionized trails left by some of last month's Leonid meteors.

In a national listserv mailing, Dave was recognized for successfully receiving a VHF signal over 350 miles. The signal had originated from WB4RXZ in South Carolina. Dave also copied another packet from N2QAE from New Jersey!

This accomplishment is especially significant since packet radio requires flawless copy of the entire packet, indicating a solid radio signal, from one end to the other.

Congrats to Dave for keeping this exotic mode alive and well in the area.

More Exotic Modes

KB4CNI WORKS THE MOON

Another exotic ham mode is being tested by Cowles Andrus, KB4CNI. Cowles bounced a VHF signal off of the moon, over 250,000 miles away. Cowles actually recorded his return signal, and has made it available to anyone who wishes to hear the unusual sound of an EME contact. Cowles voice signal is still perfectly recognizable after a round trip of over half a million miles through space! Way to go, Cowles!

OUR SYMPATHIES...

N4XU's MOM

The local ham community extends its sympathy to Neal Layman, N4XU, on the recent loss of his mother. While Neal is living in Pennsylvania, he is a regular visitor to his "home" here in the valley, and is very active in local ham radio affairs. Some of you may remember that Neal's call was used by the local Field Day operation in a past year. Our thoughts are with Neal in this time of loss.

FOR SALE

Larsen/Motorola base Mag Mount with two interchangeable antennas. One is a 5/8 wave dual band, the other a 1/4 wave dual band with shock spring. The 1/4 wave is great for car washes and in the woods. Sell complete for \$50.00

Two B & W Coax switches, 6 Position, can be desk or wall mounted. List in AES catalog is \$52.00 EACH. Will sell BOTH for \$40.00.

*Thanks.
Bill Jones, KE4FM
Phone: 540-289-9801*

Not-So-Old Ham Magazines

FREE TO GOOD HOME

David, KD9LA, is looking for a new home for some 1990-1995 issues of *QST* and *CQ* ham radio magazines. If you know someone who might enjoy browsing the articles from a few years back, pass this on. David can be reached in any of the methods described in the cover of this newsletter.

Public Service

HAM RADIO GOES TO CAMP

Young hams are the lifeblood of our hobby. As more and more of us "Old Men" become silent keys, we need to make sure there is a trained contingent of youth, ready to carry on our work, to work our keys, and to key our mikes.

David, KD9LA, recognizes the need to involve young people in our hobby. He uses his activity in the Boy Scouts organization to make sure that some young men know how much fun you can have on ham radio.

One of the ways David involves the scouts is by making phone patches from wilderness camps back to the scouts' families. Homesickness is a common occurrence in first-time campers, and a call home to Mom and Dad goes a long way to improving the camping experience for 11-year-old boys. Older boys too enjoy having the ability to call home during the week. There is nothing like hearing your kid sister say she misses you to take the edge off the mosquito bites, the sandy sleeping bag, or the mess-hall food!

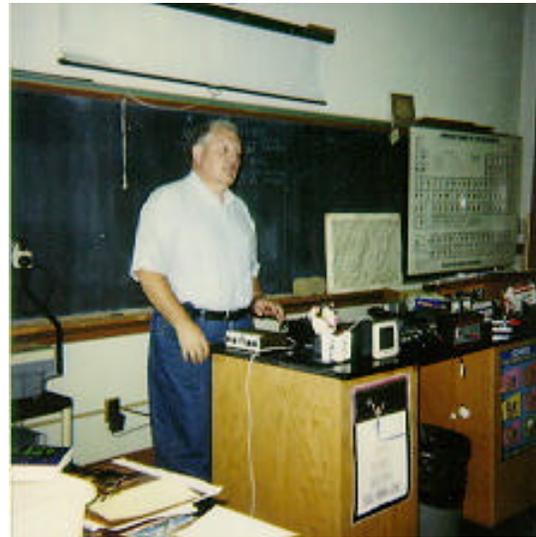
Here we see David manning his portable, battery-operated station as he makes a contact from his tent at the BSA's Camp Shenandoah.



HAM RADIO GOES TO SCHOOL

Kudos to Ray Ritchie, K4NRA. Ray also recognizes the need to involve young people in the ham radio hobby.

Ray introduces Wilbur Pence Middle School students to the joys and excitement of ham radio. With the assistance of Mark (WA4E), David (KE4SVR), and Bob (W3MMC), Ray puts on an annual demonstration of the capabilities of our hobby. Below are some photographs of the recent "school operation".



Speed!

QUICKER DELIVERY: MONITOR VIA EMAIL

The photographs and art in this month's issue of the *Monitor* are mostly in color. What's more, quality is lost in the laser printer, and more quality is lost in the Xerox copying process.

Would you like to get *first-quality color* in your *Monitor*?

As a free service to all MARA and VARA members, your newsletter editor will email you a free copy of the *Monitor*, in Adobe PDF format. This email version will contain all of the color photographs, in their original glory. You can then print a hardcopy if you wish on your own printer. If you have a color ink-jet printer, you can even print a color copy!

Of course, you will still continue to get the *Monitor* via regular bulk mail, too.

The email edition is sent on the day the editor forwards the paper original to the printer. This is usually about two days before the paper copies are mailed at the post office, and about a week before the paper copies are delivered to your home.

So receiving the email edition means you get a better copy of the *Monitor*, quicker! And no more mangled copies due to the USPS's sorting equipment!

To receive the electronic edition of the newsletter, you need two things. First is an email account which can handle attachments, and second is a copy of the PDF reader software.

Regarding the first requirement, currently, Rica, CFW, Sprint, VAIX, and most others can accept attachments. In fact, the *only* email service we know of which can *not* accept attachments is Juno. However, Juno users can upgrade to Juno Gold, which *does* handle attachments.

The second requirement is a copy of the PDF reader software. This software is available free of charge. It is about four megabytes, and so does not fit on a floppy disk. But if you have Internet web access, a free copy can be downloaded in about ten minutes from the MARA web site. Once you download the free copy, you execute the file and it installs itself. At that point, you are ready to begin receiving the PDF version of the *Monitor*.

To "sign up" for the email edition, simply send an email from your email account to the newsletter editor at his address (fordhadr@jmu.edu) advising that you wish to receive the PDF version of the *Monitor*. That's all there is to it.

Happy reading!

Third Saturday, Even-Numbered Months

VE HAM RADIO EXAMS

A reminder that ham radio licensing exams are held the third Saturday of every even-numbered month.

The next exams will be held on December 19. Sign-in starts at 9:30 am.

All exams are held at the Massanutten Vo-Tech center on Pleasant Valley Road, 1/2 mile east of U.S. 11, south of Harrisonburg.

For information, contact Buck Mowbray at 540-289-5580.

Downtime -- Bigtime

REPEATERS OFF THE AIR

There are two repeater frequencies assigned to the valley but which are sitting silent these past few weeks: 147.315 and 146.625.

Having two repeaters off the air at the same time makes us appreciate just how much trouble the repeater owners and trustees put up with to furnish us with reliable radio communications across the valley.

The licensees of these two machines are planning on having the machines back on the air, but neither set of plans are far enough along for us to furnish a target date. Keep listening.

Still Going --- and Going and Going...

LOCAL ARES VHF NETS

The Page county and Rockingham county nets continue to meet every Sunday and Monday nights, respectively, on the two-meter VHF band.

The Page County ARES net is now meeting on 146.550 simplex at 8:00 pm every Sunday night.

The Rockingham County ARES net meets on 145.130 (-600) every Monday night at 8:00 pm.

Look for an Augusta County ARES net to be organized sometime soon. The new ARRL Emergency Coordinator is now David Tanks, AD4TJ. He is looking for volunteers in Augusta County. His phone number is 540-248-1207.

John Harvey, WB4KIT, SK

ELMER EXTRAORDINAIRE...

Last month, we published the announcement of the passing of John Harvey, WB4KIT. John was one of the primary hams in the valley when it came to getting others involved in our hobby. Some even go so far as to say that John is personally responsible for “creating” more hams in the Shenandoah Valley than any other single individual.

Your newsletter editor has received many letters and comments attesting to John’s contribution to the valley ham community. A few are reproduced here, as a tribute to our evangelist of amateur radio.



“I remember that John was not only an enthusiastic ham, but also a sports addict. I think he would sometimes be watching two televised sports events at the same time, and I remember that he and Tim, K4SAD, would provide a running commentary on simplex about what was happening in a game. Besides being of great help to many in the Valley, John was also an important part of the Virginia traffic nets. Often he was the only one to respond when a liason was asked for on the Rockingham ARES net, so someone will need to fill that vacancy. This is only one of many ways he will be missed.”

Gerry Brunk (K4RBZ)

“I first met John in the early 70’s when I visited his home for a demonstration of amateur radio and became licensed in 1980 when he helped me obtain my Novice license. Who knows how many people he helped over the years or the amount of traffic he passed over the various nets. John was a good friend and influenced me in becoming active with ARES as emergency coordinator for six years. Even though my time spent with the hobby has lessened, I am sure I will become more active in future years. My enjoyment of the hobby has been long lasting as will the memories of my association with WB4KIT. Thanks John.”

Doug Edwards, (KA4NWK)

“I never had the opportunity to meet John Harvey, but I felt that I knew him quite well... I came to know John through my association with the Virginia Fone Net, of which I am the assistant net manager. I first talked with John WB4KIT in the late seventies. John was very active on the 147.33 machine out of Lexington at the time, and I lived in Blackstone. John called the net on Tuesday nights many times and one hot summer night as he was calling the net, he inhaled a breath of air and by accident a housefly just happened to pass in front of his mouth as the air was inhaled. That fly got caught in John’s throat and the coughing began over the air. John explained to everyone on the air that a fly just flew down his windpipe. From that day on whenever I heard John check into the 147.33 machine or the VFN, I always reminded John to “watch out for the flies,” and his reply was always “OK, Buck I will.” And following that reply was always a chuckle over the air that no one could put forth but John Harvey, WB4KIT.”

Buck Shell, W4AXH

“I spent about 2 hours a week, on Wednesday nights with John Harvey helping me through the 5 wpm code. After about 3 weeks I got so disgusted with myself, I told John I would just forget it and take the no-code test. John said take a little time off and step back and look at myself, then come back. Well, I did come back, and after 2 more weeks John told me to be there on the next Saturday morning, that I was ready for the test! I was scared to death, I said, John, in no way am I ready! He said, you’re ready! Well, I showed up, nervous, and there was Marshall Coiner ready to test me. Well guess what?! I made it! In a little over a year went on to advanced class. Without John Harvey to prod me along I’d still be a C.B. radio operator. Thank you John Harvey....”

Jerry Hale KR4EQ

“Learning the Morse Code was a horrible experience for me as Charley Garner will remember when they gave me my code test. It was John Harvey’s ability to teach and promote confidence that today I can proudly say I’m a ham today.”

Joe Archambeault, N4TRH.

“John was the primary organizer of what is now the VARA - he arranged for those first meetings to be held at the bank in Fishersville. He was the only person to be voted a permanent life member of VARA. John was the valley's liaison to the 75 meter HF traffic nets and was a long time net control there. His contribution to amateur radio here in the valley will be impossible to measure. John was a long-standing member of Augusta Co. ARES too, but perhaps his primary contribution was the many hours he spent helping train and test local ham operators. John had a physical problem with his feet and legs but he had an active and capable mind which he used to train and encourage local hams.”

Ray Colvin, KE4HVR

“I remember the first meeting of VARA in Fishersville, with John presiding at a table. (I was WB2LAR back then.) There were about maybe twelve or 15 of us there, and we were deciding if a club would be feasible. Ozzie Dillon introduced me to John. Both hams introduced me to a few other hams in the area. I was 16 years old at the time. John came out to my house in West Augusta and was my first visitor there since my move from Long Island. He was very excited because he worked somebody in Staunton on simplex 2 meter FM from his mobile unit during the visit. He helped me (along with Ozzie and some hams who have since moved away from here) to feel welcome to the valley.”

Matthew Brill, KR4BG

“Just wanted to say a few words about John WB4KIT. Although I never had the pleasure of meeting him he was always ready to help out on the air or any other way he could he always helped me get through on the VFN when I was mobil and the signals were not good. John would jump in and inform the net control that I was on the air and to check me in. All the members of the VFN were saddened greatly and said so on the air, he was the main topic of conversation for over a week. I never knew John was as well known on the air as he was. He will be and is greatly missed.”

Pat Smiley, KD4WWF

“I was introduced to "Ham" when I was 12 years old by an airline pilot neighbor and let my interest lay dormant for 35 years. I probably never would have become a Ham had it not been for the article that I saw one day in my local newspaper. I did not know any hams and didn't know anything about it. The article was about John Harvey and told how he liked to help people become hams. I finally contacted John and he agreed to begin teaching me how to become a ham. After about 6 months he decided I was ready to test and I passed. I am eternally grateful for having known John and am grateful for his patience in helping me become a ham. I already miss him as I am sure many others do also. I hope to meet up with John again someday in heaven.”

Joe Meek KD4FKT

“I met John shortly after I moved to the Waynesboro area. He and I hit it off well right from the start. He helped to introduce me to a number of hams in the area. That sure made it easier for me to get to know folks. Later I was the EC for Augusta County and he was always active in participating and supporting the ARES and the VARA club activities. John always seemed willing to reach out and help those around him. His steadfastness and spirit will be missed. It is not too often that we meet someone like John, who, although limited in his capabilities, would try to go the extra mile for whoever needed a hand. If ever things get tough for any of us we need to remember John's determination and faith and carry on the best we can. 73, John from those who were privileged to know and work with you.”

Ken Wooley, WA4EGW

“My times with John go back to 1985 when I would go to his house after supper once a week with a bag of barbeque potato chips and a few dollars to learn about ham radio and Morse Code. Back then, money was tight but I felt John was appreciative of whatever he received for his time. He sure loved those chips!! Many nights we would practice code characters and then check in on the hf nets. Those HF nets were very interesting for a newcomer to the hobby. We would finish the evening by sitting on his front porch drinking soda and eating chips or watching tv. John was a great guy and although I had not seen him for some time, I often thought of him. He will remain in my thoughts and memory for a long time. Many will miss his presence.”

Colin Hester N4ZFQ

“During the Gulf War, John was active on the nets taking messages from local families for relay to personnel in Saudi Arabia. John and Joe Pehan were the only two hams in the valley offering this public service back then. Twice a day, John would be on the Fone Net, passing traffic. In addition to the special service to the Gulf, John also handled many messages through the MARS service. A special newspaper article written by Frances Brown highlighted John's activities, but John was never one to bask in limelight. John added many faces to the ranks of ham radio in this valley. We need more people like John. Unfortunately, a man like John Harvey comes along only once in a lifetime.”

*Photo furnished by
Jeff Rinehart, W4PJW*

Goodbye, John. We will miss you.

QRP Foxhunt

YOU'RE INVITED...

Paul Helbert, WV3J, advises us of a unique little contest that runs once a week, every week, all winter long. The beauty of this contest is that you run it whenever you feel like it. The goal is to have fun.

This contest is known as the QRP-L Foxhunt. It is a continental event (all of North America), and is aimed at low power stations. Paul can furnish the rules if you are interested, but here is a quick synopsis of the contest.

One station is designated as the "FOX". A different fox is used each week, and this year's fox lineup is already set. The foxes live in different states, from Oregon to New York, from Nevada to Canada. The fox will operate in the vicinity of 7.040 CW, and will call "CQ FOX".

Everyone else will try to work the fox.

The goal of the contest is for you to work as many different foxes (one each week) as possible during the winter. If you are running QRP (less than five watts), you rack up points for each fox you contact. (The fox always runs QRP.)

There is a cute little scoring system involving bonuses for exchanging QRP-L numbers, and so forth. What's more, QRO stations (running more than 5 watts) can also work the fox, but can not win the contest. Further, a "special event" fox just might pop up on the band once in a while to keep things interesting.

Upcoming dates for this event are: December 2, 9, 16, 23, 30, January 6, 13, 20, 27, February 3, 10, 17, 24, and March 3.

If you are interested, contact Paul, WV3J for more information. His phone number is: 540-896-7107, and his email is: phelbert@rica.net

The QRP-L home page can be found at:
<http://qrp.cc.nd.edu/qrp-l/>

Spartan Sprints

MORE FUN

If you are interested in QRP, or better yet, "human-powered" radio gear, check out the Spartan Sprints. These fun little two-hour events are held every Monday night. The home page for more information is:

http://www.natworld.com/ars/pages/pageone_material/events_idx.html

Renew Next Month

IT'S THAT TIME AGAIN...

Dues for MARA and VARA run concurrent with the Calendar Year.

December is here, so be thinking about renewing your membership. Next month's Monitor will contain a form for you to use in renewing.

If you are impatient and want to renew at the Christmas dinner, handing your check in person to the treasurer, please, please please, please be aware that we need some information from you.

Specifically, we need to know if your mailing address has changed. Take a minute right now and look at your mailing label. Is the address correct? Have you received a new 911 address? Many hams have been assigned street addresses, but their MARA/VARA Monitor is still address to their old HCR or RR box number. Once the Post Office stops delivering to the old addresses, you Monitor will stop coming!

So check your address right now while you are thinking about it!

Also, we need your current phone number and email address. More and more, we are all relying on email as quick, efficient medium for written communication. Email is also a way to allow others to communicate with you without interrupting your dinner or having to track you down on the air. And email allows you to communicate with hams on the other end of the valley without incurring long-distance charges. So please, furnish us with your email address.

We hope that every member of MARA and VARA will renew for 1999.

And if for any reason, you are dissatisfied with your membership, please take a moment and let the president of your club know why. We are always seeking to improve.



VARA SECRETARY'S REPORT

November 11, 1998 Meeting

The Valley Amateur Radio Association (V.A.R.A.) club meeting was held at Gavid's Restaurant in Staunton on November 11, 1998. The meeting was opened at 7:30 p.m. by the club vice president, Karen Zirk (KE4WIE). A round of introductions was made. There were 23 members and guests present.

The 50/50 raffle collected \$24. Clint Cambell (KB4OLM) was the winner.

The secretary's report was accepted as printed in last month's newsletter.

Jeff Rinehart (W4PJW) distributed a treasury report to all the club members and it was accepted as printed.

Jeff Rinehart (WB4PJW) gave a field day report using information available on the Internet. It was reported that in Class 2A, station N4XU was first place in the state of Virginia. Station N4XU was also ranked first place in the entire 4th call area. This information will be available in December's QST magazine.

Dick Waldmuller (WB8GIF) was voted in as V.A.R.A.'s 1999 Vice President. Jeff Rinehart (W4PJW) and Daniel Farrow (KB2TBL) assumed by acclimation, the positions of treasurer and secretary, respectively. Filling the position of President was tabled until January's meeting.

Next month's meeting will be replaced by the Christmas Party at Buckhorn Inn, west of Churchville on route 250. The date is set for December 17 at 7:00 p.m. Contact Ray or Nancy Colvin at 886-1559 or on the 146.850 or 224.680 repeaters by November 23 and let them know if you are coming. The cost of the meal will be \$10.80 per person. Pay Jeff Rinehart (W4PJW) by check (made to VARA) or cash, on or before the night of the party. Jeff will write one check for Buckhorn Inn.

There was a motion to adjourn the meeting of the Valley Amateur Radio Association (V.A.R.A.). The motion was accepted and the meeting was adjourned at 8:05 p.m.

After the meeting was adjourned, Richard Huttinger (KF4QZG) gave a very interesting slide show presentation of his travels to China.

*Submitted by:
Douglas S. Zirk (KE4RMD)
Secretary*

MARA SECRETARY'S REPORT

November 5, 1998 Meeting

The regular monthly meeting of the Massanutten Amateur Radio Association was held at Ever's Restaurant at Mt. Crawford, VA on Thursday November 5, 1998. Those who came for dinner enjoyed a period of eating and fellowship before the meeting which was called to order by the president, David (AD4TJ) at 7:30 p.m. Introductions were made around the room by each person present. There was a total of twenty-three members and guests present. The following reports were given:

ARES: Norman (KA4EEN) could not be present so there was no direct report by him. However, it was announced that those who still wanted manuals containing emergency information should contact Colin (N4Zfq).

PUBLIC SERVICE: Thanks were extended to all who have helped in the various club sponsored activities this fall. Among them were the Bike Virginia, MS Walk in Harrisonburg, Johnny Appleseed Horseback Ride, and EMU Varsity meet. Ray (K4NRA) also thanked those who helped; David (KF4SVR), Bob (W3MMC), and Mark (WA4E) presented amateur radio to the Pence Middle School. A certificate was presented to Ellsworth (K4LXG) for past service of this nature.

OLD BUSINESS: Someone had suggested that the cost of the newsletter be apportioned differently than in the past. After discussion it was decided to leave the cost shared 50/50 between MARA and VARA.

Some discussion was given concerning the past Field Day. Out of some 600 reporting our two clubs came out 15th in the scoring.

Announcements were made of future events such as Hershey, PA on November 7th and Richmond, VA on January 10th.

The officers for the new year are as follows: David (AD4TJ) president, Sandy (K4PZC) vice-president, Wilton (KF4BFL) secretary, Matthew (KD4UPL) treasurer and Bob (KF4BFC) board member for 1999 and Walt (KF4BFB) board member for 2000.

The 50/50 drawing was won by Walt (KF4BFB)

The meeting was then adjourned and an interesting program dealing with QRP was presented by Paul (WV3J). He and Ellsworth (K4LXG) also brought along some equipment they had built for this work.

*Respectfully submitted,
Wilton B. Thomas (KF4BFL)
Secretary*

MASSANUTTEN ARA

President: David Tanks, AD4TJ
Vice-President: Sandy Mullins, K4PZC
Secretary: Wilton Thomas, KF4BFL
Treasurer: Matthew Huffman, KD4UPL
Board (exp 99): Bob Hughes, KF4BFC
Board (exp 00): Walt Lam, KF4BFB

<http://cob.jmu.edu/fordhadr/MARA/>

MARA meets the first Thursday of each month at Ever's Restaurant on U.S. 11, south of Harrisonburg. Meal starts at 6:30 pm, Business Meeting starts at 7:30 pm
Visitors are welcome.

Dues (\$12/yr) should be mailed to the Treasurer,
Matthew Huffman, KD4UPL, 5166 Mt Clinton Pike,
Harrisonburg, VA 22801

THE VALLEY ARA

President: Ken Harris, KE4GKD
Vice-President: Karen Zirk, KE4WIE
Secretary: Doug Zirk, KE4RMD
Treasurer: Jeff Rinehart, W4PJW

<http://www.shenval.org/W4MUS/>

VARA meets the second Wednesday of each month at Gavid's Restaurant on US Route 11 South in Staunton. The meal begins around 6:30 and the business meeting begins at 7:30.
Visitors are welcome.

Dues (\$15/yr) should be mailed to the Treasurer,
Jeff Rinehart, 1344 Hankey Mtn Hwy, Churchville, VA 24421

The *Monitor* is published monthly by the Massanutten Amateur Radio Association, Inc., a non-profit organization under the Internal Revenue Service regulations. The *Monitor* is distributed to all full current members of the Massanutten and the Valley Amateur Radio Associations under reciprocal agreements of the two clubs. Sample copies are sometimes sent to other hams in the Shenandoah Valley to invite them to join the club of their choice. All change of address, articles, comments, and other material for the *Monitor* should be sent to the newsletter editor, David R. Fordham, KD9LA, 131 Wayside Drive, Weyers Cave, VA 24486-2421, phone 540-234-0448, email: fordhadr@jmu.edu.

Massanutten Amateur Radio Association, Inc.
c/o David R. Fordham
131 Wayside Drive
Weyers Cave, VA 24486-2421

NON -PROFIT ORG
US POSTAGE
PAID
Harrisonburg VA
PERMIT NO. 60

CHRISTMAS DINNERS REPLACE NORMAL MEETING
(See Page 1)