

# The Ham Arundel News



Providing Fellowship and Community Service through Amateur Radio Since 1951

January 2013

35<sup>rd</sup> Year of Publication

## Prez Sez



2013 looks to be a productive year at AARC with a good mix of new and veteran members on the Board. The board members bring variety of disciplines and information that should be valuable to the club. AARC is your club so the board will be glad to accept your input at any time. The board meetings are the second Thursday of the month and are always open to all club

members. I invite you to attend.

I see the principle thrust this coming year to be repairing and upgrading the infrastructure of the club. First we will be making the towers safe from curious climbers etc. Safety guards will be placed on the two towers attached to the building. These will be similar to the guard now on the main tower. The next important project is the protection of the guy wire attachment anchors for the main tower. DFRC maintenance mowers have already struck these and broken ground wires. The plan is to clear vegetation from around these anchors and place a vegetation free gravel pad around the anchors so that mowers need not get close. Another project of importance is the club house grounding system. The club has already purchased most of the material for this project. After completion all of the systems will be tied to the ground system and lightning arrestors will be installed on all antenna cables entering the club house. The Ham Shack will be cleaned up of miscellaneous wires etc. and arranged so that all cables are identified and labeled to make radio operation safer and easier. With all of these projects the club will need the assistance of members to make this happen.

Fun stuff is also on the horizon Field Day is less than six months away, Bob Rose, AA3RR the 2013 coordinator will be supplying us with commercials on a regular basis. As usual volunteers will be needed for setup, take down and operators (particularly at night).

The Maryland QSO Party follows in August coordinated by Bob Rose, AA3RR. AARC sponsors the QSO Party and W3VPR and KI3DS, has been on the air in the past to provide bonus points to contestants. Of course club members can enter the contest on your own call sign.

In the past there has been a group of members that have gathered at the club house to operate in various

national and international contests. This group is active again with Steve Kelly, K3BAY as coordinator; their first effort will be the Louisiana QSO Party February 9, 2013.

Fox Hunts, this past year proved popular and fun. These will again be offered and coordinated by Bruce Strackbein, WR3Q.

Kit building and repairs can be accomplished at the club house the last Sunday of the month under the guidance of James Wieland, KB3MUV (Raven). I built my first radio at the age of 12; a shortwave set and could have used his help.

Do you need an Amateur Radio Licenses, an upgrade, or just want a good review? Rick Creager, KK4GV will again offering a Technician class, followed by a General class to end just before Field Day. A series of seminars will be held for those trying to upgrade to an Extra Licenses.

For more than 20 years AARC has fielded a VE team to provide a local testing facility. Recently AARC has probably at times had the only 100% YL, VE Team in the nation. The AARC team is ably led by AARC VE Team Leader, Brenda Diamond-Rose, KB3ATI. Testing is held the 2<sup>nd</sup> Saturday of each month.

One of the most fun and valuable activities is the communication support that AARC members provide to Public Service events that occur throughout the county. Presently we have no coordinator for these events. These events are very important and usually provide a good chunk of donated funds to the club. If anyone is interested acting as the coordinator for these activities please contact me ASAP.

Another money maker for us has been the used equipment sales we are all looking forward for the next sale. If you have anything to donate contact Ike Lawton, W3IKE or Rick Creager, KK4GV.

Elmer's are always needed and appreciated by the hams they help. Be an ELMER.

Look around if you know a member that can no longer drive, or is uncomfortable driving at night offer them a ride to a club meeting or other activity.

Finally, if you participate in a club activity go to the Web Site and log your hours for our annual Service Award, in addition to the satisfaction of helping the club you receive a really neat name tag.

The Web Site has been updated and is currently undergoing final testing. A great big THANK YOU! should go to George Socker, N3YSA, James (Raven) Wieland, KB3MUV, and Steve Kelly, K3BAY for their fine work on this project. Additional Thanks! should go to the more than Sixty Members that have signed up to help with the Web Site testing.

Jim Goldsberry KB3NQY

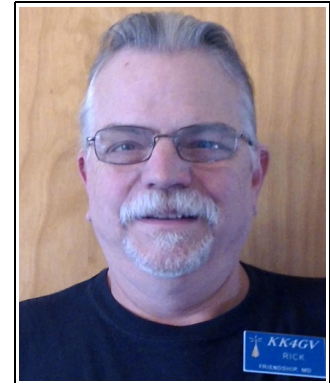
# 2013 Officers and Directors of the Anne Arundel Radio Club



President  
Jim Goldsberry  
KB3NQY



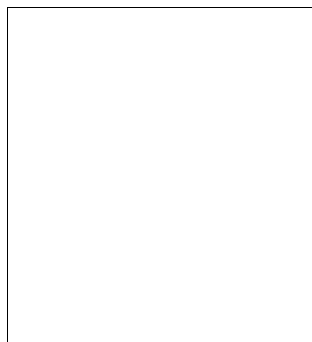
Vice President  
Chuck Tanner  
K3ACT



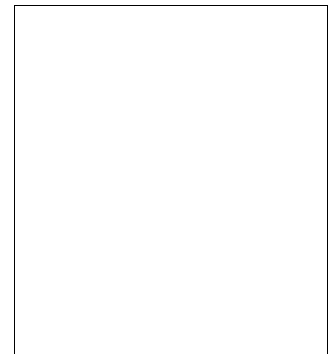
Treasurer  
Rick Creager  
KK4GV



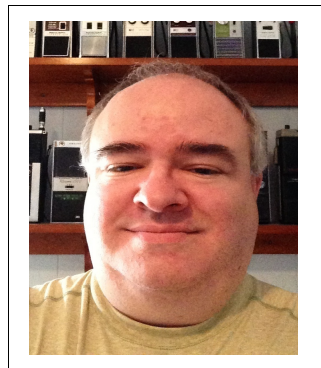
Secretary  
Milford Craig  
N3WYG



Director  
George Socker  
N3YSA



Director  
Bruce Strackbein  
WR3Q



Brian Mary  
K3HMX

Director

## **Anne Arundel Radio Club History**

*The history of Anne Arundel Radio Club is listed on the club web site from 1951 – 1992. (Go to the home page, click on the Officers tab at the top of the page and then click on Club History at the bottom of the page.) It will be reprinted over the next 10 months so that everyone may see the things that has gone before to make this club what it is today. We would like someone to take on the task of writing the history of the club from 1992 to the current date. If you would be interested in that important task, please contact any club officer or director. Please enjoy reading the history of the Anne Arundel Radio Club. This history starts in*

### **1951 - 1960**

The Anne Arundel Radio Club was founded in 1951 by Phil Nesbitt/W3CQ (formerly W3KCCQ), Manager at WNAV. He served as the County Civil Defense Radio Officer. The first president was James (Jim) Mills, a supervisor for C&P. The remainder of the Charter Members were: Robert Bass/W3JSI, a math teacher at the Naval Academy; Joe Grissom, son of the Mayor of Annapolis; John Pancoast who ran a filling station in Eastport; George Schmitt/W3NAE, still a Club member, and Chuck Hite/W3SOG, a representative of Sherwin Williams. Mills, Bass and Grissom are deceased.

For the first eight months the club met in Annapolis (on Jim Mills' front porch, at the Annapolis Police Station, in the C&P Building in Parole, in a WNAV storeroom and in George Schmitt's basement). The club was first known as the Annapolis Radio Club, then the Arundel Radio Club. Members were searching for a good place to meet. In late 1952, through the efforts of the School Board, we obtained from the County the use of a one-room schoolhouse in Arnold. After the room was cleaned, it was equipped with three large tables and a desk. A pot-bellied stove supplied the necessary heat in the winter. Club members supplied the wood and coal for the stove. A used refrigerator was obtained for refreshments.

Shortly after moving into the clubhouse, the membership voted to change the name of the club to The Anne Arundel Radio Club, so as to be more representative of the whole county. Once located in its new quarters, the club started to grow. In early 1953 the club obtained from the FCC the call "W3VPR" for use on Field Day. Field Days were held yearly in late June on the club property. The telephone company, thanks to Jim Mills, put up a 60-foot pole for the antennae.

Chuck and Jim wrote the first Civil Defense Plan for Anne Arundel County. As a result, in 1954 AA County Civil Defense bought the Club eight 30-watt GE six-meter FM mobile radios, having a single 807 in final -- also, one 60-watt base station, two 6-meter portable radios, four 2-meter radios and two 50-watt base stations with an 829.B in final (all by GE).

One 6-meter base and one 2-meter base were set up in the Arnold clubhouse. The other 2-meter bases were set up in the CD Office in the Annapolis Courthouse. Six mobiles were installed in private ham cars. The other two were mounted on wood bases so that they could be put wherever needed. By this time we had 18-20 members and were

holding Civil Defense drills. Members started buying used 6-meter FM mobile equipment, like Link, Motorola, GE ---whatever we could find. Some were made into base stations, and in a year or so we had a 6-meter network and were working closely with the police and fire departments.

In 1958 Civil Defense bought us a 10-wheel Army van from Ft. Meade, with very little mileage but suffering from long storage. By 1959 we had it running well and had installed a 30-watt PA system, a RTTY machine, an HF rig and a six-meter rig. Even a first-aid kit was supplied. On the back of the truck was attached a 5.5 kw generator to power it all. Portable antennae were also carried. Just below the side windows of the truck were painted the words "EMERGENCY COMMUNICATIONS--W3VPR". Of our membership of about 35, only 8 or 9 were qualified to drive the truck.

The Club got a lot of use from the 10-wheeler. As we became more and more involved with State and County police, we were soon invited to join the Maryland State Ambulance and Rescue Association. We helped with communications at forest fires, lost kids, downed aircraft, escaped prisoners, drownings, etc. Our greatest job was to set up and handle a radio network for the moving of Sinai Hospital in 1960. This request was made by Dr. Amberman of the Maryland State Police, who also attended some of our meetings.

### **1961 - 1970**

The big truck got too expensive to operate, so in late 1968 it was traded for a GMC Step-van which had the standard gear shift that anyone could operate. The AA Radio Club furnished communications for fire and police until the late '60s, when new police and fire radio networks took over.

In 1970 a 2-meter rig was installed in the van. The Club used the simplex frequency of 146.430 MHz. The van served well at Fire Department parades, American Legion Post 40 parades in Glen Burnie and at the Chesapeake Appreciation Days at Sandy Point, where it was used as a control station. For a few years it was also used at the County Fair at Sandy Point. Having served its time, the van was disposed of in 1978.

Several hamfests held by AARC proved to be unsuccessful. The club has nearly always had an installation dinner for its new officers. For years these were held at My Hideaway Restaurant on Ritchie Highway. Dinners and dances were held for a few years at the Archway Inn on Ft. Smallwood Rd. It's hard to believe now, but on several occasions the Club paid the entire expense for these dinners.

Around 1970 the AARC received notice from the County that it had to vacate the clubhouse. They gave 90 days notice. Since the County was not using the building for a school, as was required under its contract with the church which gave the property, it reverted back to the church. Walt Manby/W3VJX, Club president at the time, offered a meeting room at the American Legion Post 40 on 5th Ave. in Glen Burnie. Meetings were held there for a few years, during which time the membership fell to an all-time low. Activities also fell during this period. However, the Club struggled along until 1973 when Russ Burroughs/WA3VPL became a member. He obtained the use of a meeting room at the Severn School in Severna Park. In exchange for the







covered by the ARRL/RAC Field Organizations and countries within IARU Region 2.

- DX stations residing in other regions may be contacted for credit
- Success is measured by attaining the goals set by us. Our goals for Field Day are pretty simple:
  - Have a safe Field Day event from set-up through take-down
  - Have fun and make lots of contacts
  - Maximize the level of club membership participation - the more the merrier.
  - Participants set their own personal goals
  - Improve on our past collective performances (We will establish and publish some specific performance goals next month).

So what's the AARC Field Day plan?

Initially, I thought let's operate 27 stations and challenge the Potomac Valley Radio Club. Then I woke up from my nap and realized I had been dreaming. So we have a much more modest plan which we will reveal soon. And to add to the excitement of Field Day, we're probably going to add a fun theme, have some theme-related activities and other things to add to the fun. Who knows? You could be the lucky owner of a brand new contest station from ICOM (but only if you win the lottery). See you next time.

73 DE AA3RR

AA

## AREA HAMFESTS

The following is a list of hamfests in MDC and our bordering sections to put on your calendars. It will be adjusted as sponsors have their hamfests approved.

### Harrisburg, PA Winterfest

Start Date: 01/19/2013  
End Date: 01/19/2013  
Location: HACC Campus - Cooper Student Union South Hall

1 HACC Drive  
Harrisburg, PA 17101  
Website: <http://W3UU.org>

Sponsor: Harrisburg Radio Amateurs Club  
Type: ARRL Hamfest  
Talk-In: 146.76 (PL 100)  
Public Contact: Terry Snyder , WB3BKN  
PO Box 355 462B Tourist Park Road Halifax, PA 17032  
Phone: 717-896-0256  
Email: [terry@djerry.com](mailto:terry@djerry.com)

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### 2013 Post Holiday Hamfest

Start Date: 01/27/2013  
End Date: 01/27/2013  
Location: Odenton Volunteer Fire Company  
1425 Annapolis Road (Route 175)  
Odenton, MD 21113

Website:  
<http://sites.google.com/site/marylandmobileers/hamfests-1/hamfest-2>

Sponsor: Maryland Mobileers Amateur Radio Club

Type: ARRL Hamfest

Talk-In: 146.805 / 146.205 (PL 107.2)

Public Contact: Frank Winner , N3SEO

283 Oak Court Severna Park, MD 21146

Phone: 410-647-3335

Email: [n3seo@aol.com](mailto:n3seo@aol.com)

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### Virginia State Convention (Frostfest)

Start Date: 02/02/2013

End Date: 02/02/2013

Location: Richmond Raceway Complex

600 East Laburnum Avenue

Richmond, VA 23218

Website: <http://www.frostfest.com>

Sponsor: Richmond Amateur Telecommunications Society

Type: ARRL Convention

Talk-In: 146.88 (PL 74.4)

Public Contact: Tray Murphy , N4PAT

PO Box 14828 Richmond, VA 23221

Phone: 804-657-7038

Email: [ffcomm@frostfest.com](mailto:ffcomm@frostfest.com)

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### Winterfest

Start Date: 02/24/2013

End Date: 02/24/2013

Location: Ernst Community Cultural Center at Northern

Virginia

Community College, Annandale Campus

8333 Little River Turnpike

Annandale, VA 22003

Website: <http://www.viennawireless.org/winterfest.php>

Sponsor: Vienna Wireless Society

Type: ARRL Hamfest

Talk-In: 146.91 (no PL tone)

Public Contact: Jack Welch , AI4SV

3925 Wilcoxson Drive Fairfax, VA 22031

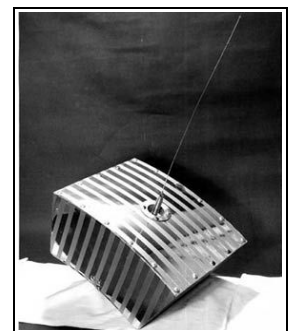
Phone: 314-266-8426

Email: [dhakajack@gmail.com](mailto:dhakajack@gmail.com)

AA

## ...Truly Out Of This World.

In December 1961, an Amateur Radio satellite named "Oscar 1" launched into space aboard a Thor Rocket leading to the creation of the Amateur Satellite Service. The satellite was built quite literally in the basements and garages of the Project Oscar team. The total out-of-pocket cost of Oscar 1 was only \$68, including the \$1.15 spring from Sears that was used to eject the satellite from the rocket. Today more than 100 amateur satellites - from those the size of a spacesuit to 4 inch square cubes - have followed in Oscar's orbit. Ham Radio is truly out of this world.



## Service Recognition Program

Anne Arundel Radio Club has a Service Award's Program. The purpose of this program is to show compliance with our 501C3 tax position that we are a service group serving many agencies in our local community. Also, this recognizes the hard work and dedication of our club members who give of themselves very willingly.

If you are an event coordinator or team leader you may use the form on the club web site or contact Terry or Barb Nixon at [thnixon@qis.net](mailto:thnixon@qis.net) for a hard copy. Our contact information is also in the club directory.

Please try to be prompt with your information so that we can keep the spreadsheet with the information current. Thanks in advance for all of your help! Terry Nixon (KB3CWQ) & Barb Nixon (KB3LDM)

AA

## Half Marathon Dec 1 2012

I first learned about this event during the Rosaryville 50K Event. So I contacted her. This event came out of nowhere, it was not an Annapolis Striders Event. The lady who contacted me said that we did a great job last year.



The event went well. Obviously it is a big event because there were more police and when I called for the MCCU and submitted the proper paper work, it was available.

Our job is to support the organizers of the event. At the very beginning, there was a problem with the route. But what was neat was the runners took off from the stadium and turned down the wrong street. Our radio operator immediately calls and reports that the runners are coming down the wrong street. This was a challenge for the organizers, however, we did what we are supposed to do. We reported the situation. This is what we are supposed to do.

We had three runners with injuries, which was handled very well by the radio operators.

The purpose is to have people doing a little bit to make this type of event come together. This is what we did. For a bunch of volunteers with motley gear we provided, as usual, professional results. I was proud of the operators. I saw initiative. I saw people developing their radio skills. I saw good net working even though every not and then there a little net malfunction and net control took over.

This is what it is all about. Training our radio operators, we are practicing for an emergency event, and we are also getting our name in the news. All of this will help us recruit people. The main thing is that it is fun. Guys and gals like to come out and play radio. Bob said, "It is my objective to send the operators home from an event with a dead battery."

## ARRL FOUNDATION SCHOLARSHIPS

If you know of a young ham who is thinking about college or who is in college, here's a link to the ARRL Foundation scholarships which may be of interest to you.

You may click on:  
<http://www.arrl.org/scholarship-descriptions>.

Applications are due before February 1st.

Transcripts and the FAFSA document are due March 1st and must be **sent electronically** to [foundation@arrl.org](mailto:foundation@arrl.org).

AA

## SPAR Announces Winter Field Day 2013 Society for the Preservation of Amateur Radio

Not only during Field Day in June, do the bands come alive with improvised signals proving the ability to respond to emergencies. Since emergencies and natural disasters don't always happen in the summer, during Winter Field Day, frigid winds, icy limbs and bitter cold replace the thunderstorms and blistering heat of summer. In 2007 SPAR established a Winter Field Day event and invited all Amateur Radio operators to participate. The event was repeated in 2008 and was considered a success, so it was then designated an annual event to be held the **last full weekend each January**. In 2007 - 2012 the event was enjoyed by many, but it is time to issue the invitation for the Sixth Annual SPAR Winter Field Day!

The 2013 Winter Field Day will be held from 1700 UTC (12:00 noon EST) Saturday January 26, 2013 through 1700 UTC (12:00 noon EST) Sunday January 27, 2013. The object of the event is familiar to most Amateur Radio operators: set up emergency-style communications and make as many contacts as possible during the 24 hour period. The rules encourage as many contacts on as many bands and modes as possible, because during a real emergency, the most important factor is the ability to communicate, regardless of band, mode or distance.

The official rules can be found at [the SPAR web site](http://www.spar.org). The event is open to all amateurs, although we encourage everyone to join in the discussions and other activities sponsored by SPAR. Information about SPAR can be found on the [SPAR Home Page](http://www.spar.org). Membership is free and open to all amateurs who want to encourage technical and operating skills. You can register by going to the [SPAR Forum](http://www.spar.org) and registering, using your amateur callsign as your user name. Please join with SPAR in promoting amateur radio and keeping our bands alive!



## THE "NEW NTS"

The three Chairs of the NTS and the three Area Digital Coordinators of the NTSD, and their respective staffs managing nets and resources and the TCC above Section level, have deployed the national Radio-email system as a new common layer for each of the NTS, NTSD, and ARES® communications functions of the ARRL Field Organization. This provides in reality a means to finally integrate ARES®, NTS, and NTSD services, allowing all three organizations to intercommunicate on the same modern network, 24/7, nation-wide, without the call-up of any intermediate relaying nets or stations. This is the "New NTS".

In addition to the continuing ARRL Radiogram services provided by the manual NTS network and NTSD automated digital distribution, messaging in the email format over amateur radio is now possible with multiple addressees and copies, and with attached binary files. This major step into the modern IT world is made possible by the developers of the Winlink 2000 (WL2K) system and is backed up by the fleet of NTSD PacTor stations, nation-wide, radio-all-the-way.

In addition, the WL2K packet and HF Gateway stations using the RMS-Relay module provide email service automatically to their clients even when the internet fails. Radio-email moving outside that local domain is passed over HF radio to Gateways elsewhere in the country. Officials can create and send/receive such Radio-email from their own computers interfaced with the local amateur station. Radio-email can carry the government forms, such as the ICS-213, used by various agencies just as done via regular email. Radio-email can also carry Radiogram traffic directly to/from the NTS/NTSD, and provides a firewall protected gateway to addressees on the public internet for both agency traffic and the public at shelters. Radio-email is handled by the root stations of the network via the internet, or through continuously operating, infrastructure independent Gateways, and thus requires no intermediate relaying manpower. Its operation has virtually no learning curve for either amateur operators or officials.

Local ARES® and NTS/NTSD stations in our Sections thus provide the roots of this "New NTS" structure, one objective of which is to achieve total served-agency interoperability. Any station in the country can now access the Radio-email system from the internet or any radio Gateway and send and receive their mail to a client anywhere else on the system or the public internet.

Most of the MDC manual NTS affiliated net stations, and our stations linked with the NTSD digital Radiogram service, are also operating on the Radio-email layer. It is now up to each local jurisdiction to provide the Radio-email connection to the served agencies within their domains in order to complete the network coverage with relevant and modern messaging services.

X X

Special thanks to Marty, KB3MXM, for assisting K3CSX in collecting and processing BTN reports in November. Marty will continue this support in December.

Thanks to all the MDC NTS Net NCS stations and Net Managers for timely reports of monthly activity. Well done

Remember that NCS Net Reports are due in the hands of the Net Manager within 48 hours of the net session; NM Net reports and SAR/PSHR reports are due in the hands of the STM by midnight of the 6th of the following month.

The devoted MDC NTS team is maintaining daily operations on MEPN, BTN, MSN and MDD, including liaisons between those Nets and our connections to Region and Area NTS Nets on Cycles 2 and 4, plus our digital links. Many of our operators perform duties on multiple nets and days. They could certainly use some help with traffic handling and NCS and liaison duties on both voice and CW on many days of the week. New and experienced operators are also encouraged to join us on the Radio-email network. Software is free. Training will be provided for operators interested in helping. If you would like to join us in this important messaging service roll, contact the respective Net Managers or me and we will provide the details. These are skills which must be learned before emergency communications situations arise.

See the Section web page at: [www.arrl-mdc.net](http://www.arrl-mdc.net)  
The NTS Nets tab is near the top of the page. Scroll down to General Information for the Basic Traffic Handling Voice and CW tutorials and the WL2K tutorial.

X X

**MEPN:** The MEPN meets on 3820 kHz; summer: 1800L EDST (Pre-net 1730L); winter: 1730L EST (Pre-net 1700L). The net may be directed during the pre-net as soon as traffic is posted for handling. Liaison stations will monitor the Echolink WB3GXW-L connection (or the \*WASH\_DC\* conference bridge backup) for check-ins on Echolink during the net. MEPN listed traffic may be pushed directly to county Target Stations on WL2K, outbound traffic to W3YVQ in Batch File format.

**EL:** The Echolink MDC NTS Net meets Tuesdays at 1920L (directed) and daily (undirected) at 1800L (from MEPN) or as needed at the respective MDC Net times on the WB3GXW-L connection (\*WASH\_DC\* conference bridge alternate) to provide access to the NTS for stations not able to QNI the regular nets. Representatives from MEPN, BTN, MSN, MDD, all ARES® jurisdictions and other amateurs are welcome. Echolink is an internet-dependent function and an off-air function for traffic counting unless accessed via linked repeaters.

**WL2K:** The Winlink 2000 (WL2K) network provides for Radio-email messaging in the standard email format between served agencies, ARES(r) and NTS/NTSD. It is also used to carry attachments, such as ICS-213 messaging, Radiogram welfare traffic, and provides a protected gateway to addressees on the public internet for both agency traffic and the public at shelters. WL2K may be accessed via the internet, via packet radio, and via HF PacTor or WINMOR Gateway stations. WL2K is an on-air function for traffic counting when accessed via packet and HF, an off-air function if accessed via telnet/internet. (See the General Information, WL2K tutorial, at [www.arrl-mdc.net](http://www.arrl-mdc.net).)

### OTHER NETS:

The WVA Net meets on 3811; summer 1800L EDST, winter 1700L EST if required by propagation. Liaisons to WVA from MEPN will need to be there promptly at the start of their net,



## REPEATER FREQUENCIES

Davidsonville	Millersville	Glen Burnie	Annapolis
147.105+		147.075+	
223.880-	224.560-		
444.400+			442.300+

### PL: 107.2 for all repeaters

The 147.105 and 147.075 repeaters are frequently linked. Please leave an extra second after the courtesy beep to allow the link to reset as well.

**Visitors are welcome to all meetings and nets.**

*Meetings are held in the Clubhouse at the Davidsonville Family Recreation Center, Queen Anne Bridge and Wayson Roads off MD Route 214 near Davidsonville, MD. For en-route directions, make initial contact on the 147.105 repeater.*

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## Wednesday Night Talk Net -- All are welcome

**8PM, On the AARC Repeater 147.105**

Other Amateur Radio nets

Name	Frequency	Day	Time
Morning Commuter Net	147.105+      PL 107.2	Weekdays	0600
AA County ARES Net	146.805-Mhz      PL 107.2	Sunday	2000
Baltimore Traffic Net	146.670-Mhz	Daily	1830
Maryland Emergency Phone Net	3.820Mhz	Daily	1800
MD-DC-DE Traffic Net	3.557Mhz	Daily	1900 and 2200
Maryland Mobileers Net	146.805      PL107.2	Monday	1930
Maryland Slow Net	3.563 MHz	Daily	1930
REACT Net	442.300+Mhz      PL107.2	1st Sunday	1930

## VE Team 2012 Year End Review

By Brenda Rose, KB3ATI

The VE Team was very busy this year, giving 167 exams to 142 applicants during 13 test sessions. 86% of those applicants (123) left these sessions with either a new license or an upgrade to an existing license. This reflects the level of preparation by all these folks. In 2012, the AARC VE team helped add 80 new hams to the hobby. At year end the totals for each license class are as follows: 73 Technicians, 36 Generals, and 14 Extras.

Special thanks to the many members of the VE Team, who made this a very successful year. The AARC VE Team members are amongst the very best people with whom I have ever had the pleasure to work and they do a terrific job every month. Based on a normal 40 hour workweek, the volunteer hours for this year total just over two months of work for one individual. Thanks to the 30 VEs who made this happen. Seven of these folks participated in six or more of the 13 sessions held this year:

Number of Sessions	VE
10	Holly Bevan / N3MB
9	Margaret Goldsberry / KB3LGC
9	Mike Montrose / KA2JAI
8	Ellen Thompson / N3EMI
6	Bob Delamarter / KB3MPR
6	Betsy Gibbs / W3HIH
6	Ryan Rose / AE3RR

Here is the list of the other 23 VEs, who participated in the 2012 AARC VE test session:

Galen Barnaby / NY1T  
David Blackshear / KB3THK  
Glenn Bock / N3USP  
Mike Brenza / WA3SKN  
Gordon Davids / WJ3K  
Kim Delamarter / KB3NGU  
Richard Firestone / WR3F  
Larry Fletcher / K3SZN  
Bob Frierson / WA3HOO  
Geri Harlow / KB3NJT  
Tom Hogevoll / K3TH  
Rob Hurd / N3HU  
Steve Kelly / K3BAY  
Dick Maio / WW3R  
Mark Murphy / KA3RNW  
Barb Nixon / KB3LDM  
Dudley Prisel / AB3DW  
Oscar Ramsey / NV3G  
Bob Rose / AA3RR  
Chuck Shefflette / AB3CS  
Chuck Tanner / K3ACT  
Mike Watterson / K3MAW  
John Williams / K8JW

Finally, thanks to Robbie Delamarter / KB3PEB for assisted as a paperwork runner for the larger sessions we held this year.

## Minutes of the AARC Board of Directors Meeting

The December 2012 meeting of the AARC Board of Directors was called to order at 7:33 pm by President Chuck Tanner, K2ACT. Those present included President Chuck Tanner, K3ACT; Vice President, Jim Goldsberry, KB3NQY; Director Bob Jeter, K3RSJ; Director Mike Watterson, K3MAW; and Director Milford Craig, N3WYG. Those Board Members absent were Secretary, George Socker, N3YSA and Treasurer, Rick Creager, KK4GV. Two guests were present, Tom Provenza, N3LDH and Bruce Strackbein, WR3Q.

The minutes of the November 8, 2012 meeting were read and accepted with changes. From those minutes a discussion ensued about the personnel in Anne Arundel County to contact for RACES, ECO, and Alternate EOC. Perhaps a chain of command for AARC and Anne Arundel County could be drawn up.

A notation that the propane tank is 70% full. A notation that the propane tank is 70% full. There was no Treasurer report given. The President read the latest Bank Statement that had been received.

The meeting presentation was the first item on the agenda. It was decided that the Program Chairman would contact some members of the club and develop a meeting agenda that would be very interesting and helpful to the club. January 17, 2013 we will have Bruce Strackbein, WR3Q giving a talk and demonstration on various measurement devices.

Discussion was then turned to Training and the view was put to the board that training has to be more than simply passing the license exam. A proposed questionnaire is to be circulated to see what the club members would like to learn, participate in, develop new areas of amateur radio expertise, etc. One suggestion was to have an 'open forum night'. We need to get licensed people to become amateur radio operators. The club needs to help the Board in this area.

President Chuck Tanner injected that we need to get started on some of the projects the club is looking at. These projects can run along side of training and will give a better environment in which to practice our hobby.

This brought about discussion status of the electronic key system and the security of the clubhouse. Also, with Tom Provenza in attendance, there was good input and decisions regarding the grounding ring to put together an order so that the club will know exactly what is needed and the amount of the expenditure.

Bob Jeter, K3RSJ has stepped down as the Public Service Coordinator. The Board thanks Bob for his tireless efforts and professionalism he provided bringing this important part of the club together. This is where the club meets the public and Bob Jeter has been very important in getting the name of the Anne Arundel Radio Club in front of the public. Thanks was also expressed for all the radio operators who handled their assignments showing the professionalism and ability to provide a seem-less intra-personnel support to ensure that the event or mission at hand was successfully completed. The Board is actively recruiting for this position and, to coincide with the training aspect spoken above, the Board would like to develop an



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