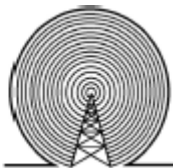


The Ham Arundel News



Providing Fellowship and Community Service through Amateur Radio Since 1951

32nd Year of Publication

Anne Arundel County's Premier Radio Club

February 2009



The Prez Sez . . .

As we make our way through the last month of winter the club is still doing the usual things. Kit building on Sunday afternoons is going well and the meeting presentations continue to be informative and entertaining. The club station upgrade is moving along a little at a time. Recently we purchased four new high back swivel chairs, which should make for comfortable operating and logging for two pairs of operators. Thanks to Mike WA3SKN for finding the sale price and hauling them in his truck.

Remember the club station is typically open on the 2nd and 4th Saturday of each month at 3PM. The AARC Junior folks have their meeting and are available to help hams of any age of experience level get on the air. Also, a Morse code class starts on Mar.7 at the clubhouse. The YL group plans to straighten up the club kitchen and library and asked the guys to break up and toss some old tables and other junk. Jim, KB3NQY continues to do carpentry projects (shelves, etc) that improve the clubhouse.

Congratulations go out to Bob, K3REM on his appointment as the ARRL Affiliated Club Coordinator for the MDC Section. Bob will be motivating clubs and people, providing assistance and coordinating joint activities of radio clubs in Maryland and DC.

The club was notified that the will of Charlie Tiemeyer, W3RMD, stipulates a donation to the AARC which will be sent to us after probate. A lot of members knew him well and of all the things he did for the club. Thanks, Charlie, we miss you.

To clear up any confusion that may have existed in our dues structure and pursuant to Article II, Section 4, of the AARC bylaws, the board voted to adopt the following definitions and prices effective immediately:

- Full Membership \$20.00 (This remains unchanged and is for one individual)
- Family Membership \$30.00 (Includes one full membership plus all immediate family members living in the same household)
- Student \$10.00 (This is for a person under 18 with no adult primary member in the household)
- The dues year continues to be Jan 1 through Dec 31. If joining July 1 or later the dues are one half of the published amounts for the remaining portion of that year only.

The intent is to make the on-line and printed forms the same as well as allow all family member information fit on a single form resulting in a clear-cut amount for dues. We raised the student rate to a still reasonable but even dollar amount. Dues for members joining in the second half of the year were prorated to be more equitable and encourage new members to join year-round.

A few members who paid \$36.50 (Full + old Family rate + old student rate) are eligible for refund of \$6.50 or may elect to let the club keep it as a donation.

Thanks to the following members who gave donations to the club along with their dues this year. If I missed anyone just let me know and I will recognize you next month.

AA3TF	KB3DCA	KB3POU	N3ORT	W3JXY	WD4PIC
AE3WP	KB3HTD	KB3QOV	N3PGI	W3NQN	WD6DUQ
K2YEI	KB3JME	N3BYL	N3PKO	W3SCD	WW3ZZ
K3CE	KB3KNY	N3CUO	N3SNU	W3VQY	
K3PER	KB3LVS	N3EMI	NU3N	WA3FKT	
KB3AF	KB3NQY	N3MNV	W3HVU	WA3HOO	

The club has recently been running some experiments related to possibly joining the Southern Maryland Link System. This group of repeaters in Charles, St. Mary's, Calvert, and PG counties relies on a UHF hub repeater located near Sunderland (Rts. 2 and 4). A temporary link using the AARC 223.88 machine worked well and proves it can work. Which AARC machine(s) if any would join the link is undecided at this time. Thanks to John K8JW and Mark KA3RNW for working on this.

This year the club picnic is a separate event from Field Day. The members indicated at a club meeting that they would like to see an early fall picnic. We need some volunteers to plan and run this picnic.

Speaking of volunteers ... Each month and on our website I remind you of your obligation as Amateur Radio Operators to provide service to your community yet it is the same few who show up for the public service events. In addition to the regulars, if every member who is able would just give one day per year to work a public service event we would be well covered. Visibility to the public and working these events not only keeps us in practice and our rigs ready for real emergencies, it is vital to the existence of Amateur Radio and your club. It also serves to provide the record of service required to support our application for 501(c3) status. You should also consider joining ARES and RACES and get the training so you will be ready when a real emergency occurs. Here are some events coming up that need your help:

Sunday, April 5 - Cherry Pit 10 Miler

Location: South River High School in Edgewater
Contact Jerry N3HKJ

Sunday, April 26 - Walk for the Animals

Contact Stan N3PPJ xwayne@comcast.net
Note that Stan has headed this up for many years now and is looking for a volunteer to take over.

Sunday, August 30 - Annapolis Ten Mile Run

(some 5,000 runners), to be handled by new coordinator for this event, Mark Murphy KA3RNW

Sunday, October 4 - Metric Marathon (south county)

Contact Jerry N3HKJ

We just announced a new Technician Class starting March 14th, 9AM to Noon for 8 sessions. Contact Mike WA3SKN if you can teach one of the classes or know of anyone who would like to take the class.

Once again the club will sponsor a prize at the Science Fair. John WB3KDB will be a judge and award a deserving participant a radio class, tech manual, and a handheld upon successful license examination. Last year we provided three judges so if you want to help let us know soon.

73, Rick – KK4GV
AARC President



GET YOUR W3VPR.ORG E-MAIL ADDRESS!

To sign up for an email address "yourcallsign@w3vpr.org" just log on to the club web-site and take the "Contact Us" link from the left side menu. Choose category "E-mail Forwarder Request." A W3VPR alias will be created for the real email address you supply so anything sent to "yourcallsign@w3vpr.org" will be forwarded to you.

The ***Ham Arundel News*** is the monthly official publication of
The Anne Arundel Radio Club, Inc.
(ARRL Club No. 0484).

Editor: Andrea Montrose/K3YLV

Send newsletter articles, questions and information to Andrea at
k3ylw@w3vpr.org

Deadline for submissions - the last Thursday of the month.

Mailing Address:

*Anne Arundel Radio Club
Post Office Box 308
Davidsonville, MD 21035*

Meetings:

General Business 1st Thursday at 7:30 PM
Board Meeting 2nd Thursday at 7:30 PM
Program/Activity 3rd Thursday at 7:30 PM

Dues:

\$20 per year, payable December 1st
Discounts available for family members and students

World Wide Web:

www.w3vpr.org

AARC Supports The Maryland Slow Net:

3.563 MHz CW 7:30 P.M. Daily

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 except Davidsonville 440 which is 156.7

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 of MD Route 214 near Davidsonville, MD. For en-route directions, make initial contact on the 147.105 repeater.

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Mark Your Calendar!

March	5	Business Meeting	7:30 PM
	12	Board Meeting	7:30 PM
	14	Technician Class Begins	Class Starts at 9AM
		Contact WA3SKN - Volunteer Instructors Needed	
		VE Testing	Noon
	19	Program Meeting	7:30 PM
		Lee Flick N3YWZ - Generating Electricity from Landfill Gas in P G County	

2nd and 4th Saturdays of the Month at 3PM - AARC Jr. (The AARC Farm Team)

Also meets on dates when specific contests are scheduled. They are available to assist club members, especially new hams, in getting on the air and operating the club's HF station.

Sundays 1PM - Kit Building Contact Barry K3NDM at k3ndm@comcast.net

Contact Barry K3NDM or just show up at the clubhouse. This event meets every week until the kit builders are done. Bring something to build or fix or just come to watch and chat.

VE Testing Schedule



- Second Saturday of each month - AARC - Robert Rose/AA3RR, 410-437-8193
- Third Saturday of each month - Laurel ARC - John Creel, 301-572-5124
- Fourth Tuesday of each month - MMARC - Harold Nichols/WB4OGP, 410-757-0493

To all exams bring:

- Picture ID
- Social Security Number or FCC Registration Number (FRN)
- ORIGINAL and a COPY of current FCC amateur radio license
- ORIGINAL and a COPY of all element credits (e.g., FCC letters, old licenses or unexpired Certificates of Successful Completion of Examination-CSCE).

Wednesday Night Talk Net -- All are welcome

8PM, On the AARC Repeater 147.105



Net Control Schedule:

3/4 N3USP Glenn	4/1 K3ACT Chuck
3/11 K3ACT Chuck	4/8 N3USP Glenn
3/18 KA3RNW Mark	4/15 KA3ZPE Ed
3/25 KB3PGU Peter	

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
Maryland-DC-Delaware 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	147.105+Mhz PL107.2	1st Sunday	1930

ARRL Membership Reminder:

Free Money for AARC!

ARRL Affiliated Clubs receive a commission for every new ARRL membership and renewal they submit to ARRL Headquarters.

Clubs retain a portion of the dues for each regular or senior membership submitted to ARRL Headquarters:

- Clubs retain \$15 for each new membership OR lapsed membership (of two years or more).
- Clubs retain \$2 for each renewal. A RENEWING MEMBER can renew at anytime, even before their current membership term expires.

Send your application and payment (made out to AARC) to the club treasurer.

Area Hamfests

Dates	Event and Contact	Location
28-29 Mar	Greater Baltimore Hamboree & Computerfest Baltimore Amateur Radio Club http://www.gbhc.org Talk-In: 146.67 (PL 107.2) Contact: Bill Dobson, N3WD Phone: 443-590-1444 Email: w3ft67@yahoo.com	Maryland State Fairgrounds 2200 York Road Timonium, MD
24 May	Memorial Day Hamfest Maryland FM Association http://www.marylandfm.org Talk-In: 146.76, 224.76, & 444.0 (PL 107.2) Contact: John Elgin, WA3MNN Phone: 301-641-5313 Email: wa3mnn@verizon.net	Howard County Fairgrounds 2040 Fairgrounds Road West Friendship, MD
19 Jul	Hamfest and Computer Fest: Baltimore Radio Amateur TV Society (BRATS) http://www.bratsatv.org Talk-In: 147.03/R, 224.96/R, 448.325/R Contact: Les McClure, W3GXT Phone: 410-461-1212 Email: hamfgest@bratsatv.org	West Friendship, MD Howard County Fairgrounds Route 144

From: <http://www.arrl.org/hamfests.html?dosel=1&selsect=MDC&subtype=section>

AARC Board Meeting for January 6, 2009

Officers present for the meeting were:

Rick Creager / KK4GV	President	Mike Brenza / WA3SKN	Vice President
Nick Lomangino / N3CK	Secretary	Steve Kelly / K3BAY	Treasurer
Bob Montagne / K3REM	Director	Jim Goldsberry / KB3NQY	Director
Bob Delamarter / KB3MPR	Director		

Other Club Members: Kim Delamarter / KB3NGU, Robbie Delamarter / KB3PEB, John Williams / K8JW, Barry Lazar / K3NDM, Fred Koester / K3LMR

Meeting was called to Order by the President at 7:30 PM

Minutes of the December 2008 meeting were reviewed, accepted, and approved.

Treasurer's Report: All records were brought by for acceptance by 2008 Treasurer's representative. Report not presented. Records will be reviewed by 2009 Treasurer and report at the next meeting.

Jerry Hazel gave a presentation of his findings regarding trailer options for AARC event coverage. Advantage of a trailer is easy and rapid set up requiring less people and faster time to operation. Recommends a 10 X 6 single axle pull trailer Model 4080A Challenger. Cost \$2100 less tax and registration. Recommendation from the floor was to seek a co-sponsor (Mobileers) and AA County to co-own and sponsor for a secure area to store when not in use as well as registration and insurance. Board will explore these options before voting on the recommendation.

Jerry Hazel offered to volunteer to be the coordinator for the Cherry Pit Event.

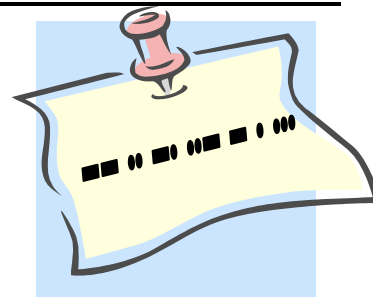
501 (3) (c) progress report: Bob K3REM brought a plastic box containing all records in the club's possession regarding the project to date. Status pending report from Larry Major. Preliminary report was the project was on target will expected filing around April 08. AARC board members will serve as 501 corporation officers.

Alarm system update: No information on progress. Board once again affirmed intent to offer NLHD the security officer position.

New Radios: President KK4GV acquired the radios from LDG completing the intent from the 2008 Board. LDG also gave two AT-100 autotuners. Price for the Kenwood 870 and 570D was \$1600.00, check provided by the club. Rick will develop a news letter article announcing the acquisition and intent to use radios to upgrade the radio shack.

Shack Ops: After much discussion the board agreed to establish a committee comprised of contesters and other experienced operators to develop shack design recommendations for the Board.

Website: Committee leadership will be reviewed and corrected by AARC webmaster.



Equipment disposition: There was unanimous agreement to sell the BC-610 AM station. A reserve of \$600 was agreed which is a quoted price of the equipment worth. Conditions were that the buyer is responsible for pick up and shipping. Club members who previously expressed an interest will be offered the equipment first.

Clean-up: This issue was tabled until the selling of the BC-610.

Antenna Committee: The Committee agreed to install pulleys and ropes on existing towers and to string a long wire antenna for coverage on 80 and 40 meters.

Kitchen: Thanks were offered to the Delamarters for removing the stove; BobK3REM donated a microwave and toaster oven.

Membership: It was agreed that the dues structure needed clarification and revision consistent with 501.3.c. regulations. PayPal was tabled.

Kit Building: There was much enthusiastic discussion. Barry offered several options; they will be posted on the website for member selection. Barry will offer some preferences. Goal was to have at least one entry level kit to promote involvement of beginner kit builders while enhancing seasoned builder skills. The program is scheduled to begin on Feb 8.

Asset Inventory: It was agreed that the club will establish an inventory list of items which the club considers valuable and whose loss would constitute reason to contact authorities and to initiate effort to recover.

Future Project: Shelf in repeater room, grounding, in band linking, rocket launcher tubes, generator maintenance, Sept 08 QST article on Mactenna.net.

Respectfully submitted: Nick Lomangino N3CK, Secretary

AARC Business Meeting for February 5, 2009

Officers present for the meeting were:

Rick Creager / KK4GV	President	Mike Brenza / WA3SKN	Vice President
Nick Lomangino / N3CK	Secretary	Steve Kelly / K3BAY	Treasurer
Bob Montagne / K3REM	Director	Jim Goldsberry / KB3NQY	Director
Bob Delamarter / KB3MPR	Director		

Other Club Members: 26 - total 33 Quorum is established in accordance with the bylaws.

Meeting was called to Order by the President at 7:30 PM

Presentations: Bill Rynone KB2IEQ presented home wiring basics.

Robert Rose AA3RR presented the history, costs and benefits for the AARC to assume the sponsorship of the Maryland-DC QSO Party. All questions were entertained and answered. The membership was asked to vote on the club assuming sponsorship for 10 years. The issue was moved, seconded, opportunity to discuss (none); the vote was unanimous to support the contest. Robert Rose agreed to assume the chairmanship of the contest to start it up.

Rick Creager KK4GV gave a presentation on various state of the art antennas.

Public Service Calls: Walk for the animals Roedown date TBA

Reminder to submit hours for service awards

Kit building education on Sunday 1pm

REVIEW OF VOTES: Unanimous to become sponsors of the MD-DC QSO Party.

One new member voted in- name will be posted in next report.

Respectfully submitted: Nick Lomangino N3CK, Secretary



At the February 19 Program Meeting, Bill Powell AE3WP gave a presentation on Metro Train Electronics



The purpose of Skywarn is to receive information on weather conditions from storm spotters trained by The National Weather Service. Storm spotters take up positions near their communities and report wind gusts, hail size, rainfall, and cloud formations that could signal a developing tornado. The reports provide "ground-truth," and supplement the data received from weather radars and other weather forecasting tools at the weather forecast office. Amateur radio is an important part of Skywarn because more conventional modes of communication could fail during severe weather events. Skywarn's role is not to provide forecast products to other amateur operators or the general public. There are better channels of communication to provide that information.

The main Skywarn net will be activated by The National Weather Service Forecast Office in Sterling, VA, when severe weather is in the Baltimore-Washington forecast area. The Anne Arundel County Subnet will be activated by the request of The National Weather Service, the Northeast Maryland net manager, or by the county coordinator when severe weather is actually present or is approaching the county. In Anne Arundel County, The Davidsonville 2-meter repeater (147.105+, PL 107.2) of The Anne Arundel Radio Club is used as the primary repeater, with the north county machine (147.075+ PL 107.2) as a back-up.

When the net is activated, the net control operator will establish another station as an alternate net control. The net criteria will then be announced and check-ins will be logged. All check-ins will be accepted even if they are untrained and/or unregistered Skywarn observers. The National Weather Service values all observations. However, please do not check-in if you have nothing significant to report.

If there is a concurrent ARES or RACES net, the Skywarn net control will check in to that net to make a request for weather observations, as long as the net is not handling emergency/priority traffic at the time. This will be done as briefly as possible so as not to interfere with emergency net operations.

Weather spotters should not proceed to locations where severe weather is occurring, nor should they be encouraged to do so. Storm spotting is potentially dangerous and should not be done without proper training, experience and equipment. The National Weather Service conducts spotter training classes across the United States, and your local National Weather Service office should be consulted as to when the next class will be held.

Bill Smith /W3NWS



June 27-28, 2009

Amateur Radio Club Helps Red Cross Communicate

Posted on February 12, 2009

By Vic Curtis, Vice Chair, Board of Directors, So. Md. Red Cross

Most of us expect that each time we pick up a phone we will hear that familiar dial tone. But, what would happen if the majority of the people in one area tried to make calls at the same time? Perhaps silence...

That is often what happens when there is a disaster that affects many people. The crisis on 9/11 was a good example of how cell phone and land line phones can be overloaded with a surge of calls. All of us would want to find out if our loved ones are safe and out of harm's way, but that could take away the link we have to our volunteers in the disaster area.

The solution the [Southern Maryland Chapter of the American Red Cross](#) has developed to counter that scenario is to use radio communications. A few years ago our chapter partnered with a local amateur radio club and began a project to have an independent communications network of operators and radio systems to meet just about any requirement we could imagine that would impact our chapter's operating areas.

The Southern Maryland Chapter covers three counties and over 1,000 square miles of land. We are bordered by two major rivers and the Chesapeake Bay. So, how do we cover such a large area? Radios and lots of them.

We first turned to our friends in the [Southern Maryland Amateur Radio Club](#). They provided us with radios and the personnel to run them. Some of our volunteers were already Hams -- a slang term used for amateur shortwave radio operators. The hams did a great job of manning the shelters and helping out at different events; the more we worked with them the more we realized how much we all had in common. Public service is a big part of what the hams do.

As time went along many of the radio club members joined the Red Cross as volunteers and things really got going. An old ambulance was acquired by the chapter and it was offered to the radio operators as a mobile communications van that could be sent out to a disaster as a command post and communications link.

That is all the encouragement they needed to take charge and move out! The Charles County government was changing over to a different radio band and their old radios were going to be discarded. Timing is everything! It just so happened that these radios were absolutely perfect for the newly named Hambulance. Yes, it is corny, but the name stuck. The radios were in very good shape and the radio club bought the software to re-program the radios to make them usable on the "Ham" frequencies. The Sheriff's department asked that we program in three of their mutual aid frequencies so that we could communicate with them if they needed us. Since radios only work if you have someone to talk to, Mike Zabco, the CEO of the chapter, offered the radio operators a room in the La Plata office as a communications room.

Now there was a mobile unit and a base station to talk to. More and more projects were undertaken by the Hams/Red Cross volunteers as even more radios and vehicles were made available to them.

Through countless hours of hard work and donations, the radio group has given the chapter a three tier approach to making sure that we can communicate with any of our volunteers and many other public service organizations. The tiers include local area, statewide, and worldwide communications.

The first tier is local area communications. We use hand held radios to talk to others in proximities of a few feet up to several miles. This is what we would use to communicate around a shelter or on the ground at a disaster. These radios use Ham, Family Radio Service (FRS), and some commercial frequencies.

The second tier is the statewide area. This is where the real fun starts. The Hambulance is one of several vehicles statewide that have mobile radios in them. There are five positions in the vehicle that can access over 13 high powered radios -- high power meaning 50 to 110 watts. There is one operating station that can use High Frequency or short wave to communicate to just about any place on earth depending on the time of day and atmospheric conditions. The Hambulance has over 30 hand held radios that can be deployed to provide the local area communications I first described. It can send digital messages not too much different from what most of us know as text messages on our cell phone.

There are also CB radios on board the Hambulance. When the folks at Wal-mart donate a tractor trailer full of water, it is beneficial to be able to talk to the truck driver to give him directions on where to park. There are also radios that can be re-programmed to work with just about any other agency that uses the frequencies our radios cover. The Hambulance also has generators to make its own power. It has additional AC units to keep us cool in the heat of summer and a really great heating system to keep us warm in the winter.

There are many other vehicles that have both Ham and Red Cross radios in them. Some are Red Cross and even more are privately owned. Using a Red Cross radio allows any volunteer to use the Red Cross frequencies to talk with other mobile units and base stations, since you need an FCC license to use a Ham Radio.

There are several radio operators that have installed radios in their own homes and erected antennas to provide us with a fairly extensive network of base stations. They monitor the mobile stations and at times can relay messages from a shelter that may be in a less than ideal place for a radio to work. We have been very fortunate to have partnerships with local leaders in both business and the Ham communities. As a result of one of these partnerships, we have a network of radio repeaters that allow us to use hand held radios and communicate from Upper Marlboro to almost Point Lookout using the Ham Radio frequencies.

During one hurricane event we had over 20 volunteers and radio operators helping us with shelters and Emergency Response Vehicles (ERV) in the field. We never lost contact with any of them!

We have developed what we call a Go-Kit. These are suitcase like radio stations. A person can pick up a kit, go to a shelter or any other location we need to operate from, and set up a complete communications station. There are radios, both fixed and hand held, power supply, antennas and cables needed to get on the air. I have seen these set up on a card table with a trash can as an antenna support and a car battery to run it.

The last Tier is the World Wide Area. All of our base stations are capable of using High Frequency radio to communicate anywhere in the world. They all have the Red Cross and Ham radios. This is a vital link in case of a major disaster when you need help from outside of your local area. Imagine being in a situation like Hurricane Katrina and the guy who can help you is over 300 miles away.

This is an overview of what the local Red Cross chapter is doing to be better prepared to communicate when disaster strikes. Through the dedication of our volunteers and partnerships with many other organizations, our goal is to provide reliable and effective communications when and where we need it.

Reprinted with permission



ARES/RACES



Calendar of meetings & activities:

- Mar 10 monthly COMMEX at 1930 hours.
- Mar 21 ARES meeting EOC at 0900 hours.



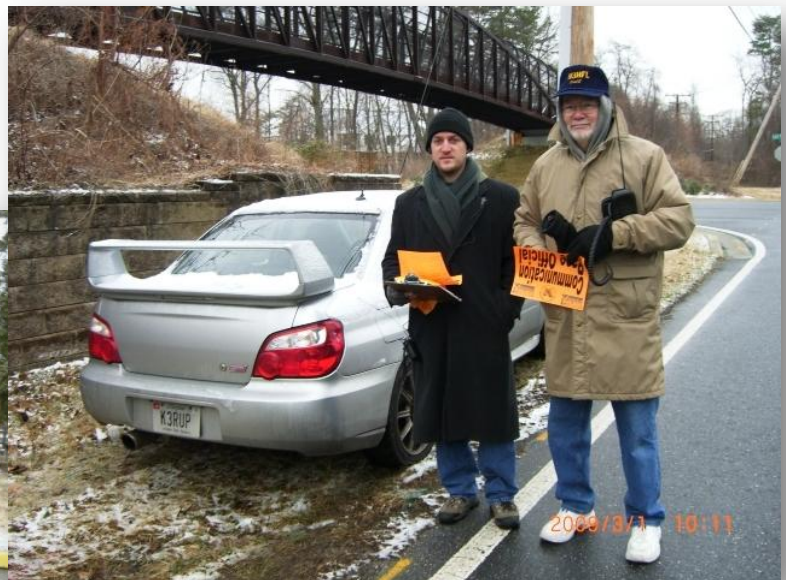
The February meeting included a presentation by Bob Bruninga on using APRS for sending message traffic

If you are interested in ARES, contact Frank Winner at N3SEO@aol.com

Photos!



KB3NJT's Antenna Party



B&A Trail Marathon

AARC STAFF - 2009

OFFICERS

President:	Rick Creager / KK4GV	301-855-2278	kk4gv@w3vpr.org
Vice Pres.:	Mike Brenza / WA3SKN	410 867-7786	wa3skn@w3vpr.org
Secretary:	Nick Lomangino / N3CK		n3ck@w3vpr.org
Treasurer:	Steve Kelly / K3BAY	410-437-0418	k3bay@w3vpr.org
Directors:	Bob Montagne / K3REM	301-464-4377	k3rem@w3vpr.org
	Bob Delamarter / KB3MPR	410-867-4678	kb3mpr@w3vpr.org
	Jim Goldsberry / KB3NQY		kb3nqy@w3vpr.org

REPRESENTATIVES

Trustee:	Buck Watson / KC3Y	410-255-0896	kc3y@aol.com
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ARES/RACES:	Ron Boller / N3WOF	410-956-6127	n3wof@arrl.net
Joint 440 Comm:	John Williams / K8JW	410-647-7406	k8jw@toad.net
F.A.R. Representative:	Ed Brown / KA3ZPE		brownmejr@comcast.net

COMMITTEE COORDINATORS

Public Service:	Ted Redick / K3TED	410-647-2795	tredick@verizon.net
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Repeater Ops:	John Williams / K8JW	410-647-7406	k8jw@toad.net
VE Team:	Robert Rose / AA3RR	410-437-8193	aa3rr@verizon.net
Packet Radio:	Barry Lazar / K3NDM	410-757-5510	k3ndm@arrl.net
Newsletter:	Andrea Montrose / K3YLW	410-987-3858	k3ylw@w3vpr.org
Web Page:	Steve Kelly / K3BAY	410-437-0418	k3bay@w3vpr.org
Field Day:	Kim & Bob Delamarter,	KB3NGU & KB3MPR	kb3mpr@w3vpr.org
MD Slow Net:	Bruce Stewart / W8CPG	304-456-3036	chickenfarm5@yahoo.com
ARRL Affil:	Anthony Young / WA3YLO	301-262-1917	tony3@verizon.net

Anne Arundel Radio Club, Inc.

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P.O. Box 308
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First Class Mail

