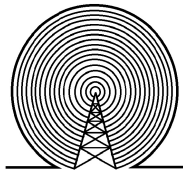


The Ham Arundel News



Providing Fellowship and Community Service Through Amateur Radio Since 1951

29th Year of Publication

Anne Arundel County's Premier Radio Club

March 2006

The Prez Sez...

First, an admonition. Ham Shack 2 was left open this week and the padlock left hanging open with the combination set. PLEASE, if you open any club facility put the lock immediately on the hasp and spin the combination. Fortunately, the NEW mower and deck, NEW grill, mowers, trimmers, etc were still there. I really don't want to go through the hassle of re-keying the locks and making our members ask for new keys while cutting back on the number that we issue. PLEASE be aware and take a second to double-check when you are the last to leave.

Second, a request. When you're around the clubhouse, take a minute (OK, maybe less) to improve the condition of the clubhouse by emptying trash, putting something away, sweeping or anything that catches your eye.

By the time you read this, the B&A Marathon will (may) have been completed. Ted Redick (K3TED) is running the show for us again. It's the start of public service season. Please consider helping out with one of our public service events. It's a fun time and good operational practice.

We have some good programs coming up. One of the authors of Radio Receiver Design will be coming to give us a treatise on antennas (without the math), one of our new members Chuck Manto will be doing a presentation on EMP, and Bill Riley (N3SNU) will be giving us an introduction to radio installation on boats. I think we have some pretty good program meetings ahead.

The club is also sponsoring a prize for an

upcoming high school science fair. We'll be judging the some of the projects and presenting the winner with a copy of "Now Your Talking", a one-year membership in the club and (upon successful completion of the Technician test) an HT to get started. The winner will also be asked to present her (or his) project at an upcoming program meeting.

Once again, please provide your thoughts, comments and support to Field Day.... It'll be here before you know it. I can't wait!

Volunteers Needed

I am writing to ask for your assistance in finding elementary school science fair judges. I am the coordinator for a 3rd, 4th and 5th grade science fair at Davidsonville, Maryland Elementary School on Monday April 3rd and I need science fair judges badly. I need at least ten adults to help in judging for this year's Science Fair. Each year our judges report that they truly enjoy the experience of talking with these talented, motivated, and interested students about their science projects. We seem to have a hard time keeping track of judges year-to-year so once again our journey to find judges begins. Our judges do not have to have a scientific background but rather just an interest in science and in talking with students about their projects.

Is there any whay that we could make use of your club members for our event on April? I look forward to your reply.

Tom Cosgrove - KB1DVD
Davidsonville, MD
410-451-6916

Calendar

Club Events

March 9 - Board Meeting
March 16 - Program Meeting
April 2 - Cherry Pit 10-Mile Run - S. River H.S.
April 6 - Business Meeting
April 8-9 - Roedown - Marlboro Hunt Club
April 30 - Walk for the Animals - Quiet Waters Park
May 7 - Bay Bridge Run

Hamfests, Contests and Other Events

March 17 - Echolink Section Net - 8 PM
March 25-26 - Timonium Hamfest
May 13-14 - Mid-Atlantic QSO Party
May 19-21 - Dayton Hamvention

VE Testing Schedule

March 11 - AARC - Robert Rose/AA3RR,
410-437-8193
March 18 - Laurel ARC - John Creel, 301-572-5124

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).

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

Editor: William Smith / AB3BZ

Send Newsletter Information to:

Internet: ab3bz@w3vpr.org

Deadline is 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

World Wide Web:

www.w3vpr.org

Repeater Frequencies:

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

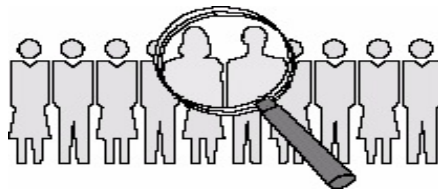
PL: 107.2 for all repeaters except Davidsonville 440 which is 156.7

Maryland Slow Net:

3.717 MHz CW 7:30 P.M. Daily

Visitors are welcome - at 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.

Copyright © 2006 Anne Arundel Radio Club



Member Information

by Lisa/K3KUV

New Members

Joseph Duggan / KB3MNZ Tech
Sean Kedney / N9EBJ Extra
William Locke
Chuck Manto
David McClab
Thomas Mueller / KC2FCB General
William Powell / N3PZB Tech

ARRL Membership Reminder

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:

o Clubs retain \$15 for each new membership OR lapsed membership (of two years or more). A NEW MEMBER is defined as any individual who has never been a member of ARRL or any individual who has not retained a membership for two or more calendar years prior to the application submission.

o Clubs retain \$2 for each renewal. A RENEWING MEMBER can renew at anytime, even before their current membership term expires.

Just send your application to the club treasurer.

Dayton Hamvention® 2006 Announces Theme

"Ham Radio is Public Service" is the theme for Dayton Hamvention 2006--reflecting the renewed awareness by the public of the service Amateur Radio operators provided after the Gulf Coast hurricanes and other disasters. In announcing the theme, Hamvention 2006 General Chairman Jim

Nies, WX8F, said that it serves to remind the public and the ham radio community that one of the reasons ham radio exists is to provide communication in emergencies when all else fails.

Several forum sessions are expected to deal with emergency communication-related topics, including how Amateur Radio performed after the hurricanes wiped out communications in a wide segment of the south. For more information, visit the Dayton Hamvention Web site <<http://www.hamvention.org/>>.

More than 25,000 visitors are expected to attend the three-day event Friday through Sunday, May 19-21. The ARRL has announced that it will present ARRL EXPO 2006 during Hamvention <<http://www.arrl.org/announce/nc/2006/>>.

Thanks to the ARRL Letter

HAM RADIO OPERATORS "TRUE HEROES," REP MIKE ROSS, WD5DVR, SAYS IN "SALUTE"

US Rep Mike Ross, WD5DVR (D-AR), this week offered "A Salute to Ham Radio Operators" on the floor of the US House. Ross, one of two Amateur Radio licensees in the House of Representatives (the other is Rep Greg Walden, W7EQI, R-OR), addressed his colleagues February 8 to recognize the contributions of the Amateur Radio community in the wake of last year's devastating hurricane season.

"Citizens throughout America dedicated to this hobby--a hobby that some people consider old fashioned or obsolete--were true heroes in the aftermath of Hurricane Katrina as they were often the only line of communication available into the storm ravaged areas," Ross said.

He noted that while ham radio is often overlooked "in favor of flashier means of communication," Gulf Coast communities learned after the 2005 hurricanes that technology can be "highly vulnerable" to storm damage. "Ham radios, entirely self-contained transmitters, require no cell towers or satellites, simply a battery and a strip of wire as an antenna," Ross explained.

Because of the "critical intervention" of radio amateurs across the US, Ross said, many lives were saved following Hurricane Katrina.

"The dedication displayed by ham radio operators in the aftermath of Hurricane Katrina sets a tremendous example for us all," Ross concluded, noting that "now more than ever" he's proud to be an Amateur Radio operator. "The people whose lives were rescued as a result of the tireless dedication of ham radio operators will forever be grateful to these selfless public servants."

Thanks to the ARRL Letter

Revised Element 2 Question Pool Released

The Question Pool Committee (QPC) of the National Conference of Volunteer Examiner Coordinators (NCVEC) has announced the release of a revised and corrected Element 2 (Technician) question pool. The new Element 2 question pool becomes effective for all Technician-class Amateur Radio examinations administered on or after July 1, 2006. Changes from the initial Element 2 question pool include elimination of some questions (T5D06, T6B09 and T7A08) and rewording of others to increase clarity. "We thank those users who reported the errors and made other suggestions for ways to improve the product," the committee said. "The QPC reviewed all submissions and incorporated the changes that were appropriate." The QPC warned that only the Element 2 question pool dated February 6, 2006, is valid. The new Element 2 database is available for download from the NCVEC Web site as a PDF, MS-Word, Rich Text Format (RTF) or ASCII text file

<http://www.ncvec.org/ama_news_article.php?id=82>.

The QPC says subsequent changes will be handled by deletion of the affected question. The QPC invites additional input via e-mail gpcinput@ncvec.org

Thanks to the ARRL Letter

FCC NONCOMMITTAL ON "MORSE CODE" PROCEEDING ACTION

Just when the FCC will act on the "Morse code" proceeding, WT Docket 05-235, remains hazy. The Commission released a Notice of Proposed Rule Making and Order (NPRM&O) last July proposing to eliminate the Element 1 (5 WPM) Morse code requirement for all license classes. The Amateur Radio community has filed more than 3800 comments on the proceeding, and additional comments continue to show up, even though the formal comment deadline was last October 31 (with reply comments by November 14). The next--and most-anticipated--step for the Commission is to formally adopt any revisions to its rules and conclude the proceeding with a Report and Order (R&O) that spells out the changes and specifies their effective date.

"There really is no news," an FCC Wireless Telecommunications Bureau staffer told ARRL this week on background. "We certainly hope to release WT Docket 05-235 sometime this year, but we're not making any predictions at this time. We certainly are not saving up any big announcements for Dayton Hamvention."

Beyond eliminating the Morse requirement, the FCC declined proposing any other suggested changes to the Amateur Service.

The proceeding began with 18 petitions for rule making--many just calling for the elimination of the Morse requirement but some asking for more far-reaching changes in the Amateur Service rules. The various petitions attracted a total of some 6200 comments. The FCC subsequently consolidated the petitions--including one from the ARRL asking the FCC to establish a new entry-level license class and to retain the Morse requirement only for Amateur Extra class applicants--into a single proceeding designated WT 05-235.

The FCC has not proposed extending HF privileges to current Technician licensees who have not passed a Morse code examination. In its NPRM&O the FCC suggested that in a no-Morse-requirement regime, "codeless Techs" could gain HF access by taking the Element 3 General class

written examination.

Any FCC decision to eliminate the 5 WPM Morse code requirement for HF access would have *no* impact on either the current HF CW-only subbands or on the CW privileges of Amateur Radio licensees.

Before it releases an R&O on the Morse code proceeding, however, the WTB wants to wrap up action in another Amateur Radio-related docket--the "Phone Band Expansion" (or "Omnibus") NPRM in WT Docket 04-140, released April 15, 2004. A dozen petitions for rulemaking, some dating back to 2001, were consolidated in the Omnibus proceeding.

In that NPRM, the Commission proposed to go along with the ARRL's Novice refarming plan aimed at reallocating the current Novice/Tech Plus subbands and expanding portions of the 80, 40 and 15 meter phone bands. The FCC also agreed with an ARRL proposal to extend privileges in the current General CW-only HF subbands to present Novice and Tech Plus licensees (or Technicians with Element 1 credit). WT 04-140 further proposed to essentially do away with FCC rules prohibiting the manufacture and marketing to Amateur Radio operators of amplifiers capable of operation on 12 and 10 meters.

Thanks to the ARRL Letter

TREMENDOUSLY SUCCESSFUL SUITSAT-1 IS SK

SuitSat-1 is now a confirmed "Silent Key." So says its sponsor, the Amateur Radio on the International Space Station (ARISS) program. In operation for more than two weeks, SuitSat-1--designated AO-54--easily outlasted initial predictions that it would transmit for about one week. ARISS International Chairman Frank Bauer, KA3HDO, says the mission captured imaginations around the world, despite a much-lower-than-expected signal strength.

"The outreach, press requests and visibility of SuitSat were absolutely amazing and appear to be unprecedented for a ham radio event," Bauer said. "While the press requests are just now starting to wane, we expect that

you will continue to see SuitSat status reports and pictures in magazines, Web sites and other literature over the next few months." The more than nine million hits at the SuitSat Web site attest to the level of interest in the SuitSat-1 experiment, Bauer noted, calling the tally "quite impressive indeed!"

Bob King, VE6BLD, in Alberta posted the last confirmed reception of SuitSat-1's voice audio, Saturday, February 18, at 0332 UTC. Richard Crow, N2SPI, in New York received the last confirmed telemetry, which indicated the battery voltage dropping precipitously to a low of 18.3 V before the novel satellite ceased to transmit.

Hearing SuitSat-1's puny signal strength generally required gain antennas, but Bauer says he heard SuitSat with a 3-element Arrow antenna and a handheld radio. Bauer's daughter Michelle recorded the English-language voice identification. Another challenge to signal reception, he said, was the very deep fading due to the suit's rotation in orbit.

"One great positive that came from these issues is that it challenged the ham radio community worldwide to improve their station receive capabilities so that they could pull every bit of signal from SuitSat," Bauer remarked.

Bauer says reports that SuitSat-1 was non-operational and that the battery was frozen shortly after deployment are false. "This never occurred," he stressed. "As the telemetry has shown, temperatures within the suit were a somewhat comfortable 12-16 degrees C during the entire mission."

So, he adds, is the tale of SuitSat-1's early demise and resurrection. "It was alive and operated flawlessly, except the signal strength issue, from the time the crew flipped the switches until the battery power was used up," he said.

Bauer says he's also not ready to buy into an AMSAT calculation that the transmitter may have been putting out between 1 and 10 mW. "It is entirely possible that the radio output could have been at 500 mW, and the feed line, connector or the antenna caused the problem," he said, adding that the SuitSat team has only just begun studying what might have caused the weak signal.

The AMSAT/ARISS team already is looking forward to a SuitSat-2. "Correcting the signal strength issue would be a top priority for this flight," Bauer said. "So would be a longer-term power generation device, like solar arrays."

Although no longer transmitting, SuitSat-1 could continue orbiting Earth for another 70 to 120 days, depending on atmospheric drag, Bauer said.

More information on the SuitSat-1 project, including QSL information, is available on the AMSAT Web site <<http://www.amsat.org/>> and on the SuitSat Web site <<http://www.suitsat.org/>>.

Thanks to the ARRL Letter

**ANNE ARUNDEL RADIO
CLUB
P.O. BOX 308
DAVIDSONVILLE, MD 21035**

**Minutes of AARC Program Meeting for
January 19, 2006**

Officers present for the meeting were:

Robert Hurd/N3HU	President
Robert Montagne/K3REM	Secretary
Fred Koester/K3LMR	Director

The Meeting came to order at 7:30 P.M.

Quorum was not present

Fred Koester updated everyone on the opportunity with the Regional Science Fair. The Science Fair is a chance to share information about Amateur Radio. The AARC will judge the Engineering projects. Fred is asking for volunteer judges for the Science Fair. The AARC will giving as a Prize to the winner of the Engineering, an HT, a Now You're Talking License Manual and a spot at the next Technician Class to help them get their first license.

The program meeting was provided by Tom Coates N3IJ, and Al FitzSimons W3YRS on proposed Antenna legislation and property covenants.

The meeting ran long with a very good interaction between presenters and club members.

The meeting was adjourned at 9:30 P.M.

**Minutes of AARC Business Meeting for
February 2, 2006**

Officers present for the meeting were:

Robert Hurd	N3HU	President
William Smith	AB3BZ	Vice President
Robert Montagne	K3REM	Secretary
Lisa Fairbank	K3LUV	Treasurer
Fred Koester	K3LMR	Director
Tony Young	WA3YLO	Director
John Williams	K8JW	Director

The Meeting came to order at 7:30 P.M.

A quorum was present.

To get to know everyone a little better, the meeting started out by everyone giving their name and callsign.

A new member was voted in Chuck Manto

Rob Hurd went over some of the highlights from the February newsletter, announced that once the 501c3 is approved he would like to start a Tower fund for the future, so by the time we need a new tower we have the money. Rob also said he was preparing a letter to the Committee Coordinators, to find out if they want to continue in the current role, also to ask them if they feel the position is still needed. We need a new program director as Dick McKelvie has "retired". Anyone up for this challenge? The program for next month will be on the many benefits of the ARRL, Tom Abernathy will be the guest speaker. The Ok was given for John Williams to purchase for the club a collapseable antenna (rocket launcher) system for field day.

Barry LaZar talked about kit building, the many successes in the past and how well the past projects are being used everyday. Barry talked about this years project a 40 meter CW Transceiver kit. Participation on this kit was very good, he passed them out to the members in attendance. The first kit building session starts Sunday February 5 at 1 PM. Barry reported he is half way completed his project to look for any challenges he finds,

then help guide everyone through those challenges.

Lisa Fairbank gave the Treasurer financial report, also reminded everyone that the membership dues are due now. She is in the process of pulling together the data for the 2006 Club Roster, so dues need to be sent in right away to be included in it.

John Williams spoke about the recent reports of noise on the 105 repeater. He also talked about the possible cure. Tony Young inquired to see if any progress has been made with the EOC, and John reported nothing new at this time.

Fred Koester reported the Club Tractor for cutting grass has been stored for the winter, Fred secured it at his Horse barn. He also reported on the great success with the Regional Science Fair. The Science Fair is a chance to share information about Amateur Radio. The AARC will judge the Engineering projects. Fred needed 3 volunteer judges for the Science Fair. The following people volunteered, Tony Young, John Crawford, Rob Hurd. The AARC will give as a Prize to the winner of the Engineering, an HT, a Now You're Talking License Manual and a spot at the next Technician Class to help them get their first license.

Tony Young reported the 2006 Technican Class would start this Saturday February 4, Tony Young and Oscar Ramsey have volunteered to be the instructors. Tony would also like the club to participate in judging at the Davidsonville Elementary School Science Fair again this year and he will make the contacts.

Stan Stanek announced that the Walk for the Animals SPCA is coming up on April 30th.

A request was made if anyone knows of replacement or refrigerator to replace the Coke machine that is not worth repairing.

The meeting was running a little short and a suggestion was made that we should plan some show and tells and talk about new equipment.

John Williams volunteered and gave a very informative talk on the use of the autopatch, how to use it, how it works and reviewed little known facts about the repeater.

The meeting was adjourned at 8:40

Maryland Slow Net

February 2006
TO: MSN
FROM: W8CPG

January Honor Roll (15+ check-ins)
KA3AKC, W8CPG, WE2G, KG2HA,
W4XJ, KG4YLZ

January Statistics
Sessions: 31 Minutes: 917
QTC: 119 QNI: 246

Student News

Congrats to Randy/W4XJ on completing the entire training course. Bill/KB3JAJ has completed the Basic course, and is making great progress. Nice work, Bill. Allan/KH6ILR, Nick/N2QZ and Lloyd/W8LYS have the course well underway and seem to be enjoying the process.

Congratulations to Bill/WB9LBI. Bill is half way through the Basic course and going strong.

Welcome to Paul/K8PG from Chatham, MI. and Patrick/KD8AUQ from North Ridgeville, OH.

Net Protocol.

This is communication! When you QSY to meet another station, proper procedure is to send your call sign. When you finish a statement or transmission, send "K" so that the receiving station knows you are finished transmitting and awaiting a reply. Simply ceasing your transmission, without sending "K" may mean you blew a fuse, tiny springs flew from your key or some other difficulty occurred.

Say again: if the NCS is experiencing QRM s/he will move the NET FREQUENCY up or down the band, usually within 5 kHz. All stations must then QNZ the NCS. Do not continue to operate on 3.717 if the NCS has moved the net to another location.

A heads up: a new group called SKCC created a website and published "suggested" frequencies including 3.720 kHz. Since we routinely QNY up 3 kHz for traffic and training, be aware that you may encounter QRM and must continue up the band until a clear spot is located. NCSs should make a quick scan up the band to see if QRL/QRM

conditions are present. The Receive station must find an open frequency and call continuously until located by the Transmit station.

Students - when you QNI just give the NCS the next training message number you need. Your Instructor will determine the extent of the next lesson. Training messages are usually, but not always sent in groups of three, and band conditions are always a factor.

Around The Net

A giant thanks to Henry/WD8Q for researching and compiling the 8th Call Area Liaison section for the MSN Training Manual. Henry did an outstanding job on this and it is attached to (or enclosed with) this Newsletter. Please include this with your Training Manual and use it with 8 Area students.

Eric/N3EF has nearly completed the Training Course, but reached a temporary setback resulting from a further repair to his broken leg from last year. Best of luck, Eric, we're looking forward to your return.

"Cryptoquiticisms" and Philosophy dujour

You are as young as your faith, as old as your doubt; as young as your self confidence, as old as your fear; as young as your hope, as old as your despair. - Samuel Ullman. If you send your dog or cat to a different vet, some might call it a re-furral. Ditty about a fellow who quite possibly has the world's worst teeth: "leader of the plaque."

Donations

We would like to acknowledge and thank each of you who make donations to our club. Both monetary and equipment donations are much appreciated. Here is a list of those individuals who have made donations in the past month. A great big THANK YOU to each of you. Your generosity truly makes a difference.

Daniel Adams KB3HRQ
Bill Chase KB3JME
Gordon & Eileen Davids WJ3K & KB3CMP
Charles Dunning N3YVY
Britt Fisher AB3AS
Jerry Hazell N3HKJ
Nolan Jacobs WA3UDY
James Jerman W3SCD
John Kircher KB3JMI
Richard Lehr W3ECU
William Locke
Thomas MacDonald KB3LVS
Michael Marcus N3JMM
Carol Melchner N3HIU
Thomas Tekach KB3EZJ
Richard Weaver WW3ZZ
Tony Young WA3YLO
REACT

Photo of the Month



Barry/K3NDM distributing the 40M XCVR kits at a recent club meeting

AARC STAFF - 2006

OFFICERS

President:	Robert Hurd / N3HU	410-757-6527	n3hu@arrl.net
Vice Pres.:	William Smith / AB3BZ	301-805-4211	ab3bz@w3vpr.org
Secretary:	Robert Montagne / K3REM	301-464-4377	bobles537@verizon.net
Treasurer:	Lisa Fairbank / K3LUV	410-741-1022	fairbank@eds.com
Directors:	Fred Koester / K3LMR	410-643-2020	fkoester@friend.ly.net
	John Williams / K8JW	410-647-7406	k8jw@toad.net
	Anthony Young / WA3YLO	301-262-1917	tonyy3@verizon.net

REPRESENTATIVES

Trustee:	Buck Watson / KC3Y	410-255-0896	kc3y@aol.com
DFRC Rep:	Wm.. "Stan" Stanek / N3PPJ	410-798-9963	wstanek@wam.umd.edu
Public Relations:	Holly Bevan / N3MB	410-923-0229	n3mb@arrl.net
ARES/RACES:	Lew Hendrixson / N3IJK	301-261-3447	
Joint 440 Comm:	Butch Marshall / N3KVP	410-295-7244	n3kvp@earthlink.net

COMMITTEE COORDINATORS

Facilities Mgr.:	Bill Rynone / WB2EIQ	410-263-0794	rynone_eng@juno.com
Interference:	<i>open</i>		
Public Service:	Ted Redick/K3TED	410-647-2795	tedredick@verizon.net
Training:	Oscar Ramsey / NV3G	301-262-3392	nv3g@juno.com
Repeater Ops:	John Williams / K8JW	410-647-7406	k8jw@toad.net
Programs:	<i>open</i>		
Shack Ops:	Gerald Burdette / N3ADY	410-956-6216	glburdett@comcast.net
	Robert Rose / AA3RR	410-437-8193	aa3rr@erols.com
	Eric Fairbank / N3EF	410-741-1022	fairbank@usna.edu
Tech. Adv.	John Ward / W3OJ	301-953-9273	w3oj@netzero.com
VE Team:	Robert Rose / AA3RR	410-437-8193	aa3rr@erols.com
Packet Radio:	Barry Lazar / K3NDM	410-757-5510	k3ndm@arrl.net
Newsletter:	William Smith / AB3BZ	301-805-4211	ab3bz@w3vpr.org
Web Page:	William Smith / AB3BZ	301-805-4211	ab3bz@w3vpr.org
Weathernet:	Margie Currey / KA3PQP	301-261-4011	ka3pqpmhc@aol.com
	Lew Hendrixson / N3IJK	301-261-3447	
Field Day:	Lisa Fairbank / K3LUV	410-741-1022	fairbank@eds.com
	Eric Fairbank / N3EF	410-741-1022	fairbank@usna.edu
MD Slow Net:	Bruce Stewart / W8CPG		stewarts@countryroadswv.com
ARRL Recruit.:	John Crawford / WB3KDB	410-956-5942	wb3kdb@comcast.net
ARRL Affil.	Anthony Young / WA3YLO	301-262-1917	tonyy3@verizon.net

**Anne Arundel
Radio Club, Inc.**

**Anne Arundel Radio Club
P. O. Box 308
Davidsonville, MD 21035**

FIRST CLASS

