

The Ham Arundel News



Providing Fellowship and Community Service Through Amateur Radio Since 1951

30th Year of Publication

Anne Arundel County's Premier Radio Club

August 2007



The Prez Sez . . .

**2008 is just around the corner,
Who wants to be on the Board next year?
Get involved, you will have a great time!**

We are a large club, and a Premier Club. With your help we have completed some outstanding accomplishments this year. Well organized, great Public Service Events, Program and Training Meetings that filled the clubhouse. Many of the outstanding programs were presented by our own members. We have a diverse group of members with backgrounds that are unbelievable. I am amazed when I talk to members and hear their experiences and jobs they hold.

We have unbelievably talented club members

We need to continue looking for dedicated people to help lead and make decisions for the club. Now is the time to start thinking about what position you would like to play next year. As always, it's a new year and all positions are open. Please contact the nominating committee and tell them what office you would like to run for next year. (Holly Bevan, Tony Young, Terry Nixon) President, Vice President, Secretary, Treasurer, or one of the 3 Director positions are open. If you're not sure about what it involves check the website under bylaws or ask the person in the current position what it involves.

It's your club, Get Involved, Make a difference.

The Board is working on next year's budget. I can tell you that the club is in good financial shape. Manaen Schlabach our Treasurer posts the current budget results on the bulletin board in the club house. This Board of Directors and previous administrations have done a great job of protecting and growing the club's assets. The 2008 Budget will come up for a vote on Oct. 4th at the business meeting.

Be there to vote!

The Christmas Party is always a fun time. It's time to start working on this event and who might want to coordinate it this year. Each year we should try to make it more exciting than the last one. What would you want to do different, what would make this Christmas Party different, special, and exciting, think about it and let us know.

Consider volunteering to coordinate this event.

We have had 2 Technician Classes now, and a General Class that will start on Sept. 15th

The Teachers have done an Outstanding Job!

Take a minute and look at the website www.w3vpr.org for all the upcoming events through the end of the year. Look under "Calendar of events", it lists everything going on. If we have missed something let me know and it will be added.

If you want to get involved, try Public Service. As a Club, Public Service is a big goal for us. We have 1 really huge event left this year. Please volunteer. The Annapolis Triathlon Swim/Bike/Run on Sept. 9th. You will have a ton of fun working together.

Great People, radio active, having fun.

Bob Montagne / K3REM

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

Editor: Andrea Montrose / KB3YLW

Send newsletter articles, questions and information to Andrea at
kb3ylw@comcast.net

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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Calendar of Events

Meetings

- Sept 6** Business Meeting: Tracy Foust, "Analyzing Large Audio Systems"
Sept 13 Board Meeting
Sept 20 Program Meeting: Rick Creager KK4GV Broadbanded Antennas for Military Surveillance, Jamming, and EMC Testing

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).

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.

Coming Up in September-October:

September club meetings - See Above

Sept 9th Public Service Event Annapolis Triathlon Swim/Bike/Run
 15th General Upgrade Classes start: Every Saturday 9am - Noon

Oct 4th 7:30 - 9pm ***Business Meeting / Program***
 AARC Member Frank Winner
 Emergency Communications ARES / RACES
 An informative talk, to bring us up to date.

11th 7:30 - 9pm ***AARC Board of Directors Meeting***

18th 7:30 - 9pm ***Program Meeting***
 John Guyton N3ARN
 Tornados and Weather Systems up close

PUBLIC SERVICE



Sunday, September 9 - The first-ever Annapolis Triathlon, a swim-bike-run event that may turn out to be the largest public service activity in this area. We'll need LOTS of operators for this one!

As usual, you'll need a 2-meter HT (hopefully with tone transmit and 440 capabilities), a decent HT antenna and a spare battery. If you've never done this kind of thing before, step up and give it a try! You'll like it!! Sign up with Ted (K3TED) at tredick@verizon.net or 410 647-2795.

Annapolis 10 Mile Run



Great job by all the radio volunteers!

In addition to "normal" communications methods, there were several other interesting ways in which our operators supported this event:

APRS: Automatic Position Reporting System (developed by Bob, WB4APR) was used by the First and Last Cars in the Ten Mile Run. Each car was equipped with a Kenwood TM-D700A dual band transceiver. One half of the radio was used for talking (on two meters) and the other half was used for APRS, utilizing one (mag-mount) antenna and a portable power source (a battery). A separate GPS device was fed into the radio that indicated the car's position on the course. That information was transmitted every minute to the net control station in the MCCU truck. The position data was displayed on a map showing on a laptop inside the truck.

SSTV: The idea was to test our capability to be able to send back an image of anything that the MCCU personnel might need to see out in the field. For example, a wreck, or other emergency. Sort of like a camera on-call.

Standing: KB3NJT, WB4APR, N3WOF, KR3LC, KB3YLW, N3HU, KA1FFO, KB3LDM, KB3DCA, KB3CWQ, KB3PGU, KB3PGY;

Kneeling: N3PPJ, K3FOR, K3SEO, KE4JFN, WA3TOY, K3TED

MCCU: Having the county's communication vehicle for the net controls the last 2 years has done much more than just provide comfortable conditions for the operators inside. Both years, fire department personnel have been providing an important link between the hams and the county and Annapolis EMS providers on the 800 MHz system. They were also providing coordination between the bike EMTs and the other responding units to calls for the race. This capability certainly enhances the ability to provide emergency services to the runners.

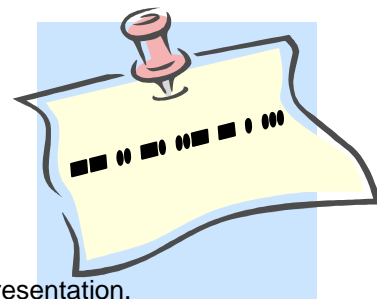
Special thanks to Ted / K3TED for providing all of the ham coordination for this event.

Can You Help?

Christian Community Presbyterian Church, (CCPC) is setting up a CCPC Emergency Response Center in cooperation with PG County. Three of the members have attended the Tech Class at AARC; one has gotten his license KB3POT, Chuck Tanner, and Joined AARC.

We are putting together a Go Box for the CCPC Emergency Response Center. We are looking for a VHF- UHF transceiver and a HF transceiver. If any one has either or both that they would like to donate to CCPC, Please contact Gerry Burdett N3ADY at n3ady@arri.net , Phone 410- 956 6216. or contact our new HAM Chuck Tanner KB3POT at actanner@verizon.net , Phone 301- 464 2667

AARC Business Meeting for August 2, 2007

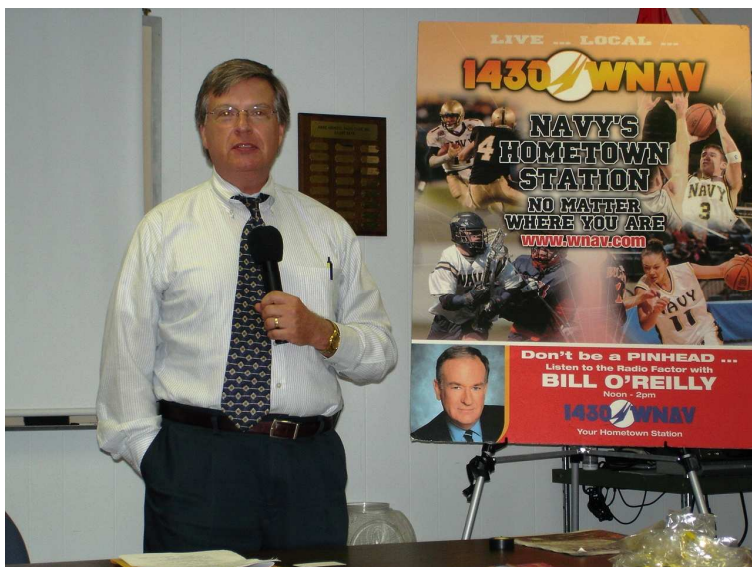


Officers present for the meeting were:

Bob Montagne / K3REM	President	Kim Delamarter / KB3NGU	Secretary
Manaen Schlabach / KB3NQD	Treasurer	Fred Koester / K3LMR	Director
Oscar Ramsey / NV3G	Director	John Williams / K8JW	Director

Bob Montagne called the meeting to order. We had a short business meeting before the presentation.

Bob reminded everyone of the upcoming YL meeting. It is to be held on August 5 from 2 – 4 p.m. All ladies are invited even if they don't have their license. Bob thanked everyone for their participation in the Skywarn Class. We had a full house, and the class went very well. The Technician Class is going well and will end on August 25.



There have been several very good articles in local newspapers about Amateur Radio. One article was about several students who are taking the new Tech Class. The other article was about Frank Winner. They both presented Ham Radio in a very positive light.

Ted Redick reminded everyone about the upcoming public service events. On August 26, there is the 10 Mile run and on September 9 the Annapolis Triathlon. We will need about 30 people for the triathlon.

Tom Hogevoll gave an update on the Kids Club. He said that had a good time at the Maryland QSO party and thinks they did well.

Bob then turned the floor over to Steven Hopp. He is the VP of WNAV Radio. He gave a presentation on how the radio station works and how it differs from Ham Radio.

The meeting was adjourned at 9:00 p.m.

Submitted by Kim Delamarter / KB3NGU Secretary

AARC Board Meeting for August 16, 2007

Officers present for the meeting were:

Bob Montagne / K3REM	President
Kim Delamarter / KB3NGU	Secretary
Manaen Schlabach / KB3NQD	Treasurer
Fred Koester / K3LMR	Director
Oscar Ramsey / NV3G	Director
John Williams / K8JW	Director

Bob Montagne opened the meeting with the Pledge of Allegiance. Everyone then introduced themselves.

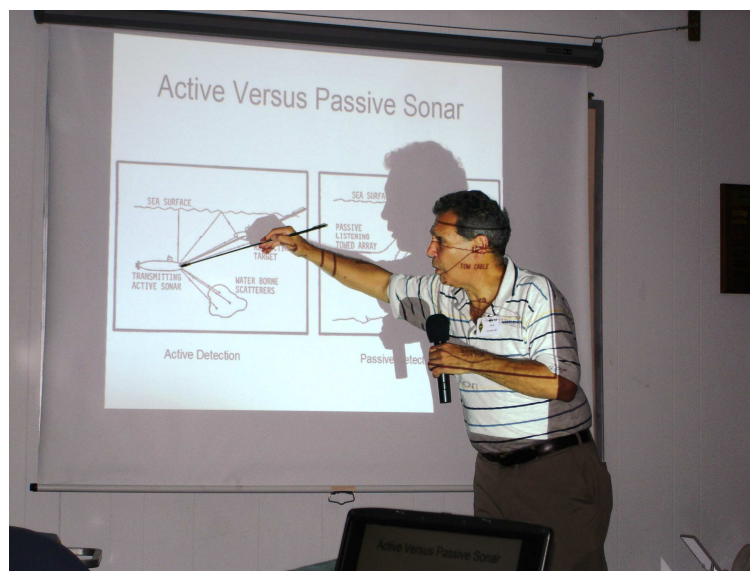
Rick Creager / KK4GV has started a Yahoo Group for our radio club. You can access it by going to www.groups.yahoo.com and search for the Anne Arundel Radio Club. It is a good way for members to share ideas and get information.

There were 2 new members voted in. They were Chuck Tanner / KB3POT and Thomas Lepley / AB3FV.

Bob asked for any business that needed to be taken care of. There was no new business. Bob announced that we had program meetings scheduled until the end of the year. He then introduced our speaker, Dick Maio, WW3R.

Dick gave a presentation on Sonar Simplified. There were a lot of questions and some good discussion on the topic. The meeting adjourned at 9:30 p.m.

Submitted by Kim Delamarter / KB3NGU Secretary



AARC in 2008!

The election committee is putting together the slate of candidates for the 2008 Board of Directors. They are looking for YOU! Want to be more involved? Have some ideas that you would like to see through? See anyone on the election committee to get more information. The responsibilities for each position are also listed in the Club Constitution and Bylaws, found on the club website at www.w3vpr.org.

Committee Members:

Holly Bevan - N3MB	n3mb@arrl.net	410-923-0229
Terry Nixon - KB3CWQ	thnixon@qis.net	410-544-3276
Tony Young - WA3YLO	tonyy3@verizon.net	301-262-1917

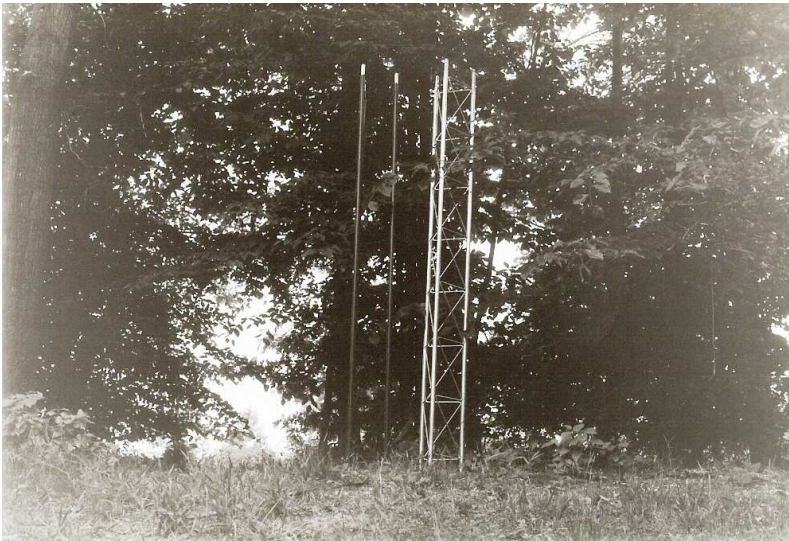
PAINT YOUR TOWER; SAVE A NEIGHBOR

By John Klingelhoefter, WB4LNM

Many hams in this area have some restrictions from neighborhood associations that limit the size or appearance of antennas. While this is no excuse to not try to go to the limits of that envelope to get a respectable signal on the air, we also want to be good neighbors and keep a low profile on our operations in such situations. Towers and antennas are our most visible appearance in the neighborhood.

When I installed a rather short 40 foot tower in the early 1980's, I went through the normal procedure of presenting it to the community architecture committee, and getting a permit for its construction from the County. However, I also took two extra steps to fly even more under the radar as far as human observation goes, although neither of these things was presented during the approval cycle. The first thing that I did was to paint the entire tower flat dark brown. I also painted all of the antennas and the mast holding them flat black. The latter has absolutely no negative electrical effect on the antennas, just in case you are wondering.

Because the tower was galvanized (zinc-coated) steel, I had to find a special paint to adhere well to its surface. Because this used Rohn tower components, I called the company to ask them what I should use to paint the tower. They were very surprised that I did not want to paint it red and white to stand out like most commercial towers! At that time, the paint suggested was Rustoleum Rust-O-Crylic system, and it was available in about 15 colors, including dark brown. That is what I bought and used.



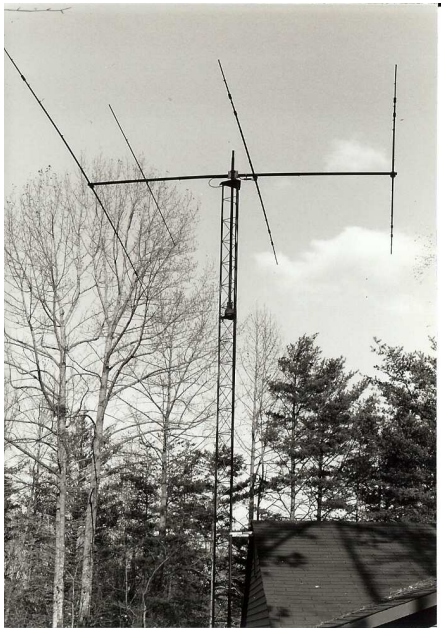
You can see the difference between a painted and 'stock' Rohn 25G tower section in the accompanying photo. (*left*) The untreated tower section is to the right, and the painted tower section is just about one foot to the left. You can see that on the painted section, the swage top parts of the three poles are not painted. Rust-O-Crylic is no longer available under that name, but has morphed to Rustoleum Industrial DTM Acrylic Enamel (3700), and no longer is available in dark brown. However, if I had it to do over again, I'd probably paint the tower the navy gray or flat black color that they now stock. Either would be good to make the tower disappear into the background. Dark brown just so happened to match our house trim color.

Since the antennas were of aluminum and stainless steel stock, a different paint was needed. For this I used Martin Senor Tough Coat flat black. This is an industrial paint specially formulated to adhere to metal and other materials without a primer. It has lasted well through 20 years of service, and is only now showing signs of slowly sloughing off after chalking on upper surfaces exposed to the sun and rain. Both the tower paint and the antenna paint were applied with an inexpensive airless spray paint tool. Because of all of the nooks and crannies in the tower and the antennas, this is the most effective way to paint them. Both clean up with just soap and water. Note that all electrical connector areas and anywhere you want good electrical contact should be masked prior to spraying. These should be minimal.

I've been pleased with this low profile approach since the tower and antenna was erected in 1983. You can see the initial Cushcraft ATB-34 antenna and tower in the second photo, taken during the winter when the leaves were off the trees. Even at that time with minimal concealment, the tower quickly blended into the tree background. From the street that is about a hundred feet away, the tower and its load can barely be seen against the treed background. Since the second photo was taken, an additional mast has been added above the tri-bander that holds a 17 / 12 meter trap dipole, a five-element 6 M Yagi, a seven-element, 2 M Yagi and a 24 foot long 2 / 440 FM vertical. All except the vertical are painted flat black and do just as good a job at hiding in the background. I've never had any mention of the tower or antennas from neighbors.

While you may have a more or less restrictive situation in your neighborhood, there's no reason to have your operations stick out like a sore thumb. I happen to think that towers and antennas are magnificent feats of engineering and are a beautiful sight to behold, but not everyone shares that opinion. Painting the tower and antennas with the proper professional paint to hide them in the background is a simple, inexpensive, and effective way to help pacify your neighbors without cramping your radio operations.

73 WB4LNM

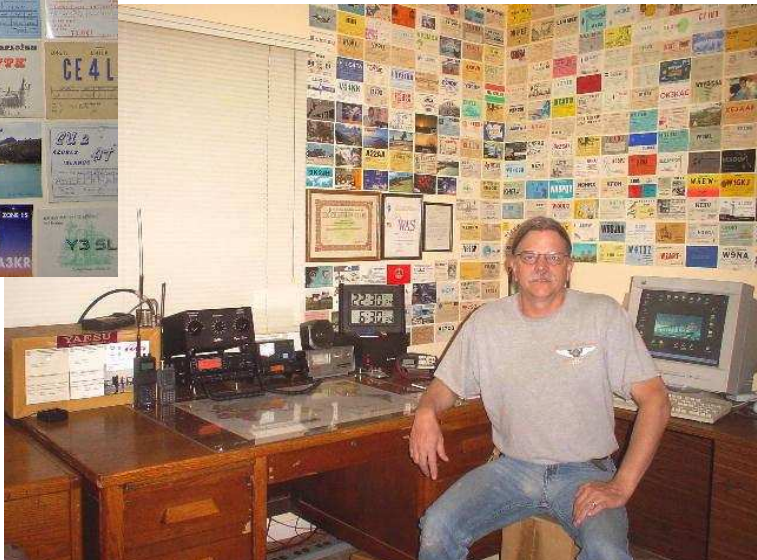


Shack of the Month!

Rick / KK4GV



My shack has a Yaesu FT-900 and Dentron tuner for HF and a Yaesu FT-2600M for 2 meters. Antennas are Double Extended Zepp, Mosley TA-33 Triband, and a 2M J-pole.
73, Rick KK4GV



If you would like to show off your shack, email a photo (or several photos) and a description to KB3YLW@comcast.net



Links of the Month

On the August 9, the AARC board approved the creation of a club Yahoo group.

Rick, KK4GV, reports that as of August 19th the club Yahoo Group is up to 16 members and growing. It does not take the place of the club web site but is an additional interactive communications tool for the club to use. Many of you are familiar with e-mail reflectors and packet bulletin boards that radio clubs use and the Yahoo group functions much the same way. It is free to the club and the users and has worked well for many other radio clubs.

If you do not already have Yahoo ID, or if you do and already participate in other Yahoo Groups, in either case, signing up is easy to do at:

<http://groups.yahoo.com/group/AnneArundelRadioClub/>



Once you apply for membership in the group the moderator will approve you ASAP. The approval process is only to prevent spam. Any ham, club member, or interested individual is typically approved on the same day.

Some discussions have already taken place, the calendar is up, some photos have been uploaded by various members and an Elmers database has been started so others can get help for various projects. The club bulletins will be posted on the Yahoo group as well as sent to the normal e-mail distribution.

Members can feel free to upload club or amateur radio related files, photos, links, databases, create calendar entries, and conduct polls in the appropriate areas.

Your suggestions and help are welcome. KK4GV can be reached on the Yahoo Group or directly at radiojeep@comcast.net or via the Holly Net between 7 and 8 AM.

The Blogger user Bill has invited you to contribute to the private blog: AARC - W3VPR. To contribute to this blog, visit: <http://www.blogger.com/i.g?inviteID=210357862291876940&blogID=6751616186809591539>

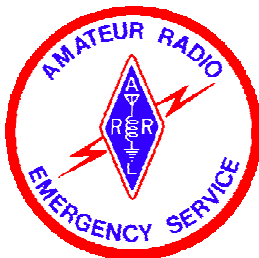
You'll need to sign in with a Google Account to confirm the invitation and start posting to this blog. If you don't have a Google Account yet, we'll show you how to get one in minutes. If you are already a Blogger user, please note that this blog uses the new version of Blogger. To post to Bill's blog, you will access this new version with a Google account, instead of your Blogger account.

To learn more about Blogger and starting your own free blog visit <http://www.blogger.com>.

CAUTION: Construction Zone Ahead!



Some committed club members have been working hard to change the face of the club website. The website location that you go to will remain the same but the look of the site and some behind the scenes things will be changing. If you find the site unavailable for a short time, please be patient while we go through a few growing pains.



ARES/RACES:

Sept 11: monthly RACES COMMEM at the EOC and on 146.805R

Sept 15: monthly ARES meeting at the EOC from 0900 'til noon.



AARC CLUB GEAR FOR SALE

Contact Lisa Fairbank if you are interested in any of the following items
Lisa.fairbank@eds.com or 410-741-1022

National NCX -3 20/40/80 mtr	35.00
<i>Info: http://www.io.com/~nielw/nat_list/ncx3.htm</i>	
<i>Manuals: http://bama.edebris.com/manuals/national/ncx3/</i>	
Hallicrafters SX99	50.00
<i>Info & Manual http://www.rigpix.com/hallicrafter/sx99.htm</i>	
Johnson Messenger Two Tube Transceiver 2Mtrs.	10.00
RCA Marker Generator WR 89A	10.00
<i>Info: http://www.radiomuseum.org/r/rca_wr_89awr89_marker_generat.html</i>	
GC Electronics SWR/PWR meter	10.00
CONAR Signal Generator Mdl 280	10.00
Heathkit Signal Tracer T-3	10.00
Heathkit Impedance Bridge 1B-2A	20.00
B&K Precision Multimeter Mdl 277	5.00
Qty-2 Heathkit Condenser Checker C3 w/Manuals	10.00 & 15.00
Heathkit Transistor Checker IT-18	10.00
Heathkit Power Supply IP-18	10.00
EICO Grid Dip Meter 710 w/coils 7.5 to 18Mhz	10.00
Heathkit VTVM Applications EF-1	5.00
Heathkit Vacuum Tube Volt Meter V5	5.00
Hethkit Voltmeter, resistor/capacitor checker	10.00
Hallicrafters S-77	35.00
Heathkit HM2140A Watt Meter	30.00
Daiwa SWR Meter CN-520	35.00
Hallicrafters S20R	50.00
Lafayette LA125T stereo	15.00
Lafayette LR20-20 Stereo Receiver	20.00
Harmon Kardon KH 3500 Cassette	20.00
Pioneer CT-F700 Cassette (a beautiful high end unit in it's day)	BO
Pioneer SX550 Stereo Receiver	BO
<i>Free Manual Download:</i>	
<i>http://www.eserviceinfo.com/downloadsm/13487/Pioneer_sx550.html</i>	
Panasonic VHS	BO
Cable Converter Box	BO
Qty 3 – Direct TV Receivers	BO

NEWSLETTER - MARYLAND SLOW NET

MEETS DAILY AT 3563 @ 7:30 P.M. LOCAL TIME

August 2007

July Honor Roll (15+ check-ins)
W8CPG, KG2HA, WB9LBI

July Statistics
Sessions: 31 Minutes: 750
QTC: 53 QNI: 142

TO: MSN
FROM: W8CPG

Student News

- Ron Tassi/N3AEA is working through the Basic course and Bill/K3ZYK has nearly completed the Advanced course. Keep up the pace men. Welcome to Joe, KB3LNM of Finksburg, MD and Dave/WB4FUR of Manassas, VA. Great to have you on the net and hope you enjoy the course. Please feel free to ask questions of your Instructors, it's a great way to learn net protocol.

Net Protocol

- The doldrums continue unabated. As a way of bringing more traffic to the Net, please contact any of our students (via Radiogram on the net) and encourage them to continue with the course.
- Second request: I need a volunteer to take the Wednesday nite NCS spot and Tuesday nite Alt. NCS. The NCS guides the ship with a relaxed, firm, polite, knowledgeable and unflustered hand. As you know, the satisfaction in doing an important job is priceless. Let me know ASAP.

Around The Net

- Please check into www.arrlva.us.com for a first rate amateur radio website provided by the VA Section and guided by Webmaster Dan/AG4YU. In addition to lots of fresh radio news and current events, the site carries the MSN Newsletter to an extensive audience.
- Congratulations to Bill/WB9LBI on having been named to the NCS spot on the Buckeye Traffic Net in Ohio. The Net meets at 1845 and again at 2200 local time on 3577 kHz and Bill is at the helm on Fridays at 2200 hours. Tune in for an efficiently run CW net, with several MSN graduates.
- Frank/N3ZOC had emergency eye surgery on July 21. Fortunately there was no infection and the surgery was done to prevent that. Frank reports he's slowly getting back to normal, but being patient and cautious.
- Zero beating another signal is vitally important to successful communications in ham radio. If you're off frequency the NCS may not hear you and if you're sent QNY from an incorrect location, you may not meet your intended contact station. Eric/N3EF prepared a very informative website that will explain the how and why of zero beating. Please read his write up and listen to the sound demonstrations. <http://home.comcast.net/~fairbank56/zerobeat.html>. Save the information.

Cryptoquips and Philosophy du Jour

I think I spoke to this guy once or twice!! Mujibar was trying to get a job in India. The Personnel Manager said "Mujibar, you have passed all the tests except one. Unless you pass it you cannot qualify for this job. Mujibar said, "I'm ready." The Manager said, "Make a sentence using the words yellow, pink and green." Mujibar thought for a few minutes and said, "Sir, I'm ready." The Manager said, "Go ahead." Mujibar said, "The telephone goes green, green, green, and I pink it up and say, 'Yellow, this is Mujibar.'" Mujibar now works as a technician at a call center for computer problems. No doubt you have spoken to him. I have.

MSN NET ASSIGNMENTS

	MON	TUE	WED	THU	FRI	SAT	SUN
MSN NCS	K4OSO	N3WK		WB9LBI	K3IN	N3ZOC	AA3SB
ALT. NCS							KB3HOO
MDD REP	W3CB	N3WK		N3ZOC	K3IN	KC3Y	AA3SB

73, Bruce/W8CPG AR

AARC STAFF - 2007

OFFICERS

President:	Bob Montagne / K3REM	301-464-4377	k3rem@verizon.net
Vice Pres.:	Lisa Fairbank / K3LUV	410-741-1022	lisa.fairbank@eds.com
Secretary:	Kim Delamarter / KB3NGU	410-867-4678	rdelamarte@aol.com
Treasurer:	Manaen Schlabach / KB3NQD	410 551-4524	manaen@verizon.net
Directors:	Fred Koester / K3LMR	410-643-2020	fkoester@friend.ly.net
	Oscar Ramsey / NV3G	301-262-3392	nv3g@juno.com
	John Williams / K8JW	410-647-7406	k8jw@toad.net

REPRESENTATIVES

Trustee:	Buck Watson / KC3Y	410-255-0896	kc3y@aol.com
DFRC Rep:	Bob Delamarter / KB3MPR	410-867-4678	rdelamarte@aol.com
Public Relations:	Holly Bevan / N3MB	410-923-0229	n3mb@arrl.net
ARES/RACES:	Ron Boller / N3WOF	410-956-6127	n3wof@arrl.net
Joint 440 Comm:	John Williams / K8JW	410-647-7406	k8jw@toad.net

COMMITTEE COORDINATORS

Facilities Mgr.:	Bill Rynone / WB2EIQ	410-263-0794	rynone_eng@juno.com
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Training:	Bob Montagne / K3REM	301-464-4377	k3rem@verizon.net
Repeater Ops:	John Williams / K8JW	410-647-7406	k8jw@toad.net
Programs:	Bill Rynone / WB2EIQ	410-263-0794	rynone_eng@juno.com
Shack Ops:	Gerald Burdette / N3ADY	410-956-6216	glburdett@comcast.net
	Robert Rose / AA3RR	410-437-8193	aa3rr@verizon.net
	Eric Fairbank / N3EF	410-741-1022	fairbank@usna.edu
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 / KB3YLW	410-987-3858	kb3ylw@comcast.net
Web Page:	Skip Johnson / K3FOR	410-349-2950	k3for@arrl.net
	Dave Evartt / N6TAU	410-439-2319	davee@wehali.com
Field Day:	Barry Lazar / K3NDM	410-757-5510	k3ndm@arrl.net
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