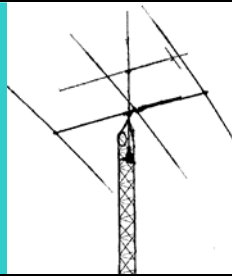


# The AARC Beacon



*Serving radio enthusiasts and communities in Central Virginia – The Radio Club for Central Virginia*

Volume 2008, No. 10



October 2008

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## Meeting Notice

The next regular AARC meeting will be held on **October 14 at 7:30 PM at the NRAO building on the UVA Grounds. The program is the annual club business meeting, including committee reports and new officer elections.**

It should be very interesting. See you there!!

## The President's Letter

Dave, K4DND

Greetings to the Albemarle Amateur Radio Club from ARS K4DND. I thought we were finished with Public Service Events for the year. I knew I was wrong as soon as I got a call from the race director for the **Great Eastern Endurance Run, scheduled for September 27**. Those participating included Jeffrey N4LFJ, Elmer KF4UCI, Elmer's daughter Sara and son Jonathan, Dave Tanks AD4TJ and Darrell Little K14LLA, and myself.

Dave and Darrell are from the Valley ARA and took over to let Jeffrey get an early out. Sara and Jon were a great help to the organizers and I really appreciate their participation. This event (running long distances in the mountains) is for the people who are seriously committed, or perhaps they are just people in serious need of commitment. I haven't decided which yet. There were approximately 54 runners doing a half marathon which is a little over 13 miles. 83 runners were signed up to run 50K which is 31 miles and 41 runners for the 100K or 62 miles. These people are seriously crazy. 50K and 100K runners started out at 6AM in the dark. The half marathon runners started out at 7AM and were all finished in 4.5 hours. The 50K runners were finished in 10.5 hours and the last 100K runner crossed the finish line in 19.25 hours. That put the final runner over the finish line at 1:25 AM the next morning. **Did I mention anywhere that these people are really crazy?** They started out in the dark, and for many runners, spent hours in the evening and night running through the mountains on dirt roads, jeep trails, single track trails and the parkway. Quite a few

arrived at the finish line battered and scraped from falling on the trail.

Race organizers were very happy with the amateur radio support; I fully expect that we will be called on next year to give a repeat performance. Again, my thanks to the stations that participated in this unusual event. Are we finished with Public Service now? Nope, Jay K4AZV and Steph K4BMM are heading up the **American History Weekend October 4-5** at the Albemarle County Office Building.



**Jay, K4AZV manning the demo station and having a great time at American History Weekend**



**Nancy, XYL of K4RKA learns swordsmanship from one of the re-enactors at American History Weekend**

I hope you have a chance to stop by and visit with them sometime during this weekend. Then the Public Service schedule for the year should be completed.

**Please make every effort to attend the AARC October meeting on Tuesday, October 14<sup>th</sup>. This is the most important meeting of the year.** There will be some business to discuss, since club business is happening all the time and needs to be acted on in a timely manner. Then the standing committees of the AARC, Activities, Education, Technical, Fund-raising, and Publications will present their written annual reports summarizing committee activity for the year.

Following the standing committee reports, the meeting will be turned over to the Nominating Committee, to present the slate of candidates for AARC offices for the coming year. The Committee will take nominations from the floor and if, as I hope, there are contested offices, or more candidates for Board positions than the number of positions available, then we will actually have an election.

**This is your opportunity to review the progress and accomplishments of your AARC leadership over the past 9 months.** If you are happy with the progress of the club, then you have an opportunity to return to work, those willing to serve another year. If you are not pleased with the progress, then this is your opportunity to turn the "bums" out of office and put someone else in.

In the event that the business of the October meeting may not take all that long to conclude, if you have a project that you would like to show and tell, please bring it along. There should be time for you to show off your project to anyone interested.

I look forward to seeing a record attendance at the October meeting. Please come and join us for this important meeting.

*73 de K4DND*

## Veep Peeps

*Mike, K14RIX*

Dear Friends --- Fall is here officially as of September 21st, and it's going to start feeling like fall by the time you're reading this if the National Weather Service is correct. With fall comes our club's annual business meeting at the October meeting, where we will be electing our new slate of officers. However, we have heard from very few people interested in serving the club who are not already serving in some capacity. There are two open positions (a director chair, as well as Vice President), and we would like to have someone step up to these positions rather than being forced to appoint somebody. So please contact me if you would like to serve. The Nominations Committee thanks you.

**Coming in November, we will be having a series of mini-presentations on how GPS works, and how to get on the air with Digital HF. These presentations**

should be pretty exciting, so please come out and stick around for them.

In U.Va. news, the U.Va. Amateur Radio Club ordered and received our first club rig, a Yaesu FT-897D. At our last club meeting we strung up our OCF-Dipole Antenna in the courtyard of Thornton Hall at the University and made contacts in Columbia, Venezuela, and Costa Rica - not bad for an antenna that was barely 8 feet off the deck in some places. We are also very excited that we now have over 12 members - some licensed, and some soon-to-be licensed this semester. Look for more news about the U.Va club in the next Beacon, as well as on-the-air. Keep an ear out for the W4UVA call, and don't be afraid to reply!

I will see all of you at the October meeting.

Best regards,

Mike Benonis KI4RIX

## Club Business

Submitted by: Alan Swinger K9MBO, Secretary

### AARC Board Minutes - September 10, 2008

The September 2008 AARC monthly meeting was convened at 7:30PM by Dave Damon (K4DND), club President, at the NRAO building in Charlottesville, VA.

Dave introduced Alan Swinger (K9MBO) who gave a presentation provided by the June/July DXpedition team that put Sable Island on the air as CY0X. This expedition was noteworthy in that its focus was 6M and 2M operation, with HF as secondary. Also, Jeffrey Seay (N4LFJ, Club PIO), showed members recent videos about AARC and Ham Radio that have aired and are airing on local TV stations. Well done to both members for these informative presentations.

### Regular Meeting - September 10, 2008

The General meeting commenced with Dave K4DND addressing the following:

- The minutes of the July 2008 meetings were approved as they appear in the September issue of the Beacon without discussion or change. All members' present made brief introductions, and three life members were present – Harry (W2HD), Ron (K4RKA) and Joe (W2PVY). Note that there was no General Membership meeting in August since the club picnic was held on the regular meeting date.
- Don (K4UVA) presented the club Treasurer's report indicating a 31 Aug balance on hand of \$2998.29.
- Mike (KI4RIX), VP, noted that there will be no presentations at the Oct meeting in view of club elections. Those members interested in running for

office should contact Mike ([mjb8h@virginia.edu](mailto:mjb8h@virginia.edu)). November meeting presentations will be on GPS and HF Digital modes.

Dave's President's report included the following:

- The Club Picnic, held on 12 Aug, was a great success. Thanks to John (KI4DJT) for his usual BBQ expertise and to all who brought food.
- Dave noted that club membership was at 96. Dennis WR4I rejoined at the meeting, raising that to 97.
- The Special Service Club application was approved by the ARRL and a Certificate received, so AARC is now official. **K4DND reported that the AARC has been an ARRL affiliated club since 1965 (43 years) and held Special Service Club status since 1991 (17 years).**
- A letter of appreciation was received from the Blue Ridge Extreme bike-athon co-directors for AARC member support. A check for \$550 also accompanied the letter and was turned over to the Treasurer. Thanks to all. Dave passed out certificates of recognition to participants present.
- Club insurance – coverage and cost – was discussed. Pinning down specifics has been difficult, but the reasonable approach appears to be for AARC to maintain liability insurance to cover member/club activities and to self-insure equipment damage. In so doing, coverage will be adequate and price reasonable (\$488/yr). A motion was made to take this approach and approved by the members present.
- Club Nametags were proposed as a possible AARC recognition item for members. Members present generally expressed interest so Dave will investigate sources and cost, and will report back at a future meeting.

**Committee reports** are as follows:

**Activities** – Dave (K4DND) on behalf of Jay (K4AZV) :

Presented Certificates to members who participated in the Airport Exercise

Mentioned the upcoming **Military History weekend** scheduled for October 4-5. Contact Jay (K4AZV) – [k4azv@turing.org](mailto:k4azv@turing.org) - for details and to volunteer.

**Fund Raising** – Linda (KI5LLB) proposed the potential purchase of T-Shirts with club/callsign emblems as both club recognition and fund raising items. Club members indicated interest and Linda will come back at the next meeting with alternative sources and costs for member consideration. Those interested should bring a check so these can be ordered.

**Technical** – Gordon (WW4GW) presented the following September Technical Committee report: Over the past two months the technical committee has performed some repairs to a couple of the club's repeaters. The **146.925 repeater** on Heards Mountain has had a new transistor (FET) installed in the RF amplifier stage. The existing FET has been known to have problems, not only in this particular model repeater, but in other ICOM receivers as well. Knowing this, the decision was made to replace it with a more expensive FET - one that has more gain, a lower noise factor, and built-in transient spike protection diodes. With the new FET the receiver now has a measured sensitivity of .19 microvolts for 12 db SINAD. Factory specs on the receiver are .4 microvolt for 12 db SINAD. There was some antenna grounding concerns at this site and they were also resolved at the same time. The committee also paid a visit to Buck's Elbow, site of the **146.895 repeater**. The new antenna (Hustler G6 – dual band – 6db gain) has been installed along with new 7/8 heliax and jumpers on each end. Since the existing GE receiver had a known sensitivity issue, a temporary repeater was installed courtesy of Elmer – KF4UCI – who loaned one to the club. The GE receiver has been removed from the site and will be repaired and is expected to perform as well as the loaner. This will be reinstalled as soon as the repair is made and the receiver is thoroughly tested to factory specifications. The committee also installed a new digipeater at the Buck's Elbow site courtesy of Greg – N4PGS. This is a packet node that supports both 1200 baud on 2M and 9600 baud on 440. This digipeater also uses the Hustler G6 antenna, but it is not installed as high as the repeater antenna. A new ½ inch Heliac with jumpers was also installed. We still have the new 7/8 heliax and jumpers along with the new controller for the 146.760 site at Marshall Manor and they will be installed as soon as weather permits.

**Publications** - Jeffrey (N4LFJ) presented the July/August report:

A press release concerning the SkyWarn net control class on July 26 was sent to multiple media outlets in various markets including Charlottesville, Harrisonburg, Lynchburg, Richmond, Staunton, and Waynesboro. Locally, the press release was sent to the Charlottesville NewsPlex (WCAV 19, WVAW 16, and WAHU 27), WVIR 29, the Daily Progress, the Hook, C'Ville Weekly, WCHV 1260, and WINA 1070. This information was also sent to all ARES ECs, DECs, other ARES officials, and amateur radio clubs in the region.

**An interview was held at the residence of Harry Dannals, W2HD, on Friday, July 18.** This interview was conducted by Dave Maurer of the Daily Progress. Attending the interview were Harry Dannals, W2HD, Dave Damon, K4DND, and Jeffrey Seay, N4LFJ. Topics discussed included emergency and public service, technical changes, and human interest in amateur radio. This article ran in the Tuesday, July 29, edition of the Daily Progress. Also note that the article was the cover story for the paper.

With the assistance of Allen Pitts of the ARRL, **AARC has now begun to air radio and television PSA commercials.** At present, these are being regularly aired on WCAV 19 (CBS), WVAW 16 (ABC), WAHU 27 (Fox), My C'Ville TV, WVIR 29 (NBC), CW29, WQMZ 95.1, WINA 1070, and WVAX 1450. These PSAs have also been sent to a majority of the other radio and television stations, however, no official confirmation has been received as of yet.

The Director of the Publications Committee was given a brochure from the Lynchburg Amateur Radio Club by Gordon Winn, WW4GW. Research will be done to decide what AARC needs to do in order to develop a similar brochure.

A press release was sent out to area media outlets concerning the Charlottesville-Albemarle Regional Airport Drill. This release was not picked up, however, RACES was included in the list of participants that used on WINA 1070.

Information concerning the club's September meeting was sent to area media outlets for use on community calendars. This has been heard on area radio stations including WVTF and WTJU. It is also listed on almost all media outlet websites in the Charlottesville area.

Two press releases received from the ARRL were forwarded to local media outlets just before Tropical Storm Hanna's arrival. **On Tuesday, September 2, Dave Damon, K4DND, received a call from Claire O'Brien of NBC29 (WVIR-TV) who wanted to do a report on amateur radio's preparedness for the storm.** A meeting was scheduled with officials at Martha Jefferson Hospital and Miss O'Brien on the coming Wednesday. The report aired throughout the morning on NBC29 (WVIR-TV). In return for her doing a story on amateur radio, an invitation was extended to attend the September club meeting.

There being no further business, the meeting was adjourned. The next meeting, including election of officers, will be held on Tuesday, 14 October, at 7:30 PM at NRAO.

## Another Quiz to Tease You...

*Ron K4RKA*

We have another quiz from Ron K4RKA to tease your brain. This one is not quite as easy as the first one, so you'll have to put your thinking caps on. Send your answers to Ron at [k4rka@juno.com](mailto:k4rka@juno.com). **The quiz is an attachment to the notification email you received saying the Beacon is ready for download.**

## Propagation de K7RA

*ARRL Propagation Bulletin ARLP041*

The latest sunspot appearance reported last week seems to follow the pattern emerging for most of 2008. A spot will appear for one or two days, and then suddenly it is gone.

Last week's Propagation Forecast Bulletin ARLP040 mentioned the solar wind being at an all time low. This week NASA announced that 2008 so far is the "blankest year of the space age," with over 200 spotless days. The minimum following Cycle 18 in 1954 had 241 days without sunspots, and it preceded the solar max in 1959 for Cycle 19, which had the highest sunspot numbers on record.

Read the NASA article at, [http://science.nasa.gov/headlines/y2008/30sep\\_blankyear.htm](http://science.nasa.gov/headlines/y2008/30sep_blankyear.htm).

With September passed, we now can calculate the 3-month average of sunspot numbers centered on August, which was 1.1. Compare that with 3 month averages going back to June 2006.

Jun 06	28.9
Jul 06	23.3
Aug 06	23.5
Sep 06	21.2
Oct 06	24.1
Nov 06	23.1
Dec 06	27.3
Jan 07	22.7
Feb 07	18.5
Mar 07	11.2
Apr 07	12.2
May 07	15.8
Jun 07	18.7
Jul 07	15.4
Aug 07	10.2
Sep 07	5.4
Oct 07	3
Nov 07	6.9
Dec 07	8.1
Jan 08	8.5
Feb 08	8.4
Mar 08	8.4

Apr 08	8.9
May 08	5
Jun 08	3.7
Jul 08	2
Aug 08	1.1

Randy Crews, W7TJ of Spokane, Washington commented that extended periods of quiet Sun make propagation more predictable, but zero sunspots affects all bands, not just 15 meters and higher frequencies. Even 80 meters is different. After sunset when residual ionization from the Sun is gone, 80 meters suffers. He believes we are seeing a double bottom (October 2007 and now) following the double peak of Cycle 23.

Two weeks ago, on September 19, Michael Reid, WE0H of Saint Francis, Minnesota mentioned his experimental operation on 600 meters (500 KHz) as WD2XSH/16. Mike said the low solar activity and quiet geomagnetic conditions make this part of the spectrum quite attractive for long distance propagation. During the previous week he and other FCC Part 5 experimental stations were beaconing and getting reports from all over, typically 1000 miles distance.

Early last Friday morning (September 26) George Hrischenko, VE3DGX of Zephyr, Ontario noticed a number of UHF and high VHF (175-220 MHz) television stations coming in from a long distance away. He didn't say where the signals were from, but figures it must be from ducting.

In response to last week's mention of noctilucent clouds and UHF propagation, Ken Beck, WI7B of Kennewick, Washington sent a copy of the scientific paper by Bellan referenced in the article in Science Daily, published in the Journal of Geophysical Research, Vol 113, D16215. He notes the article mentions propagation from 50 MHz to 1 GHz, so this may be a useful propagation mode for 6 meters as well.

Click on <http://www.agu.org/pubs/crossref/2008/2008JD009927.shtml> to read an abstract of the article, and note there is a link on that page providing access to the full article.

Patrick Dyer, WA5IYX of San Antonio, Texas sent a link to a 1968 article in Soviet Life about noctilucent clouds and experiments run by a Latvian teenager. Read about it at, <http://www.qsl.net/wa5iyx/es-nlc.htm>.

Sunspot numbers for September 25 through October 1 were 0, 0, 0, 0, 0, 0, and 0 with a mean of 0. 10.7 cm flux was 68.2, 67.7, 67.3, 67, 66.8, 66.2, and 65.8 with a mean of 67. Estimated planetary A indices were 4, 4, 2, 3, 2, 4 and 6 with a mean of 3.6. Estimated mid-latitude A indices were 1, 2, 1, 2, 2, 3 and 7 with a mean of 2.6.

## For Sale and Wanted...

*Tnx Ron, K4RKA*

Please notify K4RKA when an item has been sold or pulled from availability and can be deleted from this list.

**FOR SALE: OSCAR Satellite antenna assembly** consisting of KLM 2M-14C (two 2 meter 7 element circularly polarized yagis) and KLM435-18C (two 435 MC 9 element circularly polarized yagis) turned by a Yaesu G-5600B AZ/EL heavy duty rotator. All for \$225. **Call Harry, W2HD at 434-974-7388.**

**Ten-Tec 6M Transverter:** Provides 10W out and have used successfully w/ a TS-570. I have all documentation. Simple to use; tunes on the 20M band. Price - \$60. Happy to demo it for you. Contact info: Alan K9MBQ; 434-975-6237, email [awswinger@earthlink.net](mailto:awswinger@earthlink.net)

**Scanners for Sale** -- 2 Uniden 760 \$50.00 Each. 1 Radio Shack 95 Portable \$100.00. 1 Bearcat 240xlt 40 channel \$25.00. 1 UHF-VHF Radio Shack 16 channel \$25.00. 1 Bearcat 240XL 20 channel 20.00. 1 Bearcat 200 16 channel \$15.00. 1 Uniden 100xlt 100 channel 50.00. 1 Pro 2051 Radio Shack Desktop 1000 channel \$150.00. Thanks, Jerome, KI4DLA

**Ameritron AL-800 linear amplifier.** Bought new but never used. Provides 1200 watts PEP output from 160 to 15 meters using a 3CX800A7 tube. I am planning to move up to a heftier unit. If interested, call Bob W4RQ at (434) 990-2659 (home), (434) 980-7143 (office) or via email at [w4rq@yahoo.com](mailto:w4rq@yahoo.com).

**Rotator cable** - 125 ft of 8-conductor rotor cable. Bought new -- discovered I had more than a 100 ft run to the antenna and would need heavier duty cable. Call Bob W4RQ at (434) 990-2659 (home), (434) 980-7143 (office) or via email at [w4rq@yahoo.com](mailto:w4rq@yahoo.com).

**MFJ-4103 Power Supply** for FT-817. New, never used in original packaging. Call Bob W4RQ at (434) 990-2659 (home), (434) 980-7143 (office) or via email at [w4rq@yahoo.com](mailto:w4rq@yahoo.com).

**Coleman Series 54 Generator;** 4KW 120V/240V. Briggs & Stratton 8HP engine model 190432. Very clean and mounted on cart. Purchased about 1985 and used very little. Has new carburetor, plug, air filter, fuel lines, fuel filter & fuel cutoff valve. However I can't get it started. Has compression, fuel and I believe good spark. Maybe new carburetor just needs adjustment. I'm tired of pulling the rope! And anyway it won't run my heat pump. \$199.00 Jim K4CGY 434-296-3044

**Radio and Electronic Test Equipment - FOR SALE**

All equipment is in good working condition, but not guaranteed John Green, KX4P. **SAMPLE LIST:**

- 1 ALD-22 Aerovox, Decade Inductor, 0 to 0.1 Hy - No manual -- \$10
- 1 ALD-32 Aerovox, Decade Inductor, 0 to 1.0 Hy - No manual \$10
- 1 ALD-42 Aerovox, Decade Inductor, 0 to 10 Hy - No manual \$10
- 1 10W-1000 Amplifier Research, Wideband Amplifier, 1 to 1000 MHz, 10 Watt - Yes manual - \$150
- 1 1309 AT&T Home Telephone Answering Machine Yes manual \$2

**MANY MORE ITEMS - TO SEE COMPLETE LIST PLEASE GO TO**

<http://www.albemarleradio.org/members/swapfest.shtml>

**WANTED:** I'm looking for a **2m mobile radio, preferably small** (comparable in size to modern mobile rigs). **Can be commercial VHF as long as it can tune down to 144.39 MHz.** Contact Mike Benonis KI4RIX at [mjb8h@virginia.edu](mailto:mjb8h@virginia.edu) or (703) 577-3788.

## Contest Highlights - Upcoming

*Bob, W4RQ*

**ARRL-Sponsored Contests**

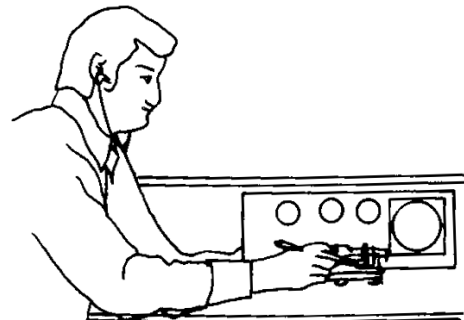
Oct 18-19	<b>ARRL EME Contest</b>
Oct 20-24	<b>ARRL School Club Roundup</b>

Complete info, rules and log forms for these events can be found online at the ARRL Contest Calendar webpage.

**Other Contests of Interest**

Oct 25-26	<b>CQ Worldwide DX Contest - SSB</b>

The [SM3CER Contest Service - Contest Calendars](#) has info and rules for these contests and just about every contest that exists.



*73, Bob W4RQ*

## AARC Public Service Schedule

None Reported

## Area Hamfests

Date  
Location

## FCC Database Updates

### New Calls

None Reported

### Upgrades

None Reported

### Vanity Calls

None Reported

## VE Session Schedule - 2008

Date  
Location

(ARRL VEC)

For exam sessions in Virginia outside the AARC area, check the [ARRL Exam Session Search](#) web page.

## For Sale Items

For Sale

Kenwood TS-520S SSB xvcr, with VFO, RIT and Calrad mike, DM-16-HL and DYMACT-50-HIGH-LOW. Realistic D-160 with SP-150 speaker. Tone box for code oscillator. Heathkit stereo headphones. GE H-14. Equipment being sold for widow of a SK. Call Jimmy, K4JMY at (434) 973-5589.

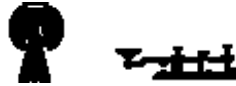
## AARC Club Officers

President	Dave Damon	K4DND	<a href="mailto:k4dnd@arrl.net">k4dnd@arrl.net</a> (434) 973-5866
Vice President	Mike Benonis	KI4RIX	<a href="mailto:mjb8h@virginia.edu">mjb8h@virginia.edu</a> (703) 577-3788
Secretary	Alan Swinger	K9MBQ	<a href="mailto:awswinger@earthlink.net">awswinger@earthlink.net</a> (434) 975-6237
Treasurer	Don Eason	N4UVA	<a href="mailto:deason@comcast.net">deason@comcast.net</a> (434) 973-9119
Director	Dennis Mennerich	K4THE	<a href="mailto:k4the@arrl.net">k4the@arrl.net</a> (434) 973-5407
Director	Linda Beard	KI5LLB	<a href="mailto:lindaskyone@earthlink.net">lindaskyone@earthlink.net</a> (434) 823-2107
Director	Jay Rostow	K4AZV	<a href="mailto:k4azv@turing.org">k4azv@turing.org</a> 434-263-5795
Director	Bill Phillips	AD6JV	<a href="mailto:billp1048@earthlink.net">billp1048@earthlink.net</a> 434 872-0686
Director	Jeffrey Seay	N4LFJ	<a href="mailto:n4lfj@yahoo.com">n4lfj@yahoo.com</a>

## Contest Calendars

<a href="#">ARRL Contest Calendar 2008</a>	ARRL sponsored contests
<a href="#">SM3CER Contest Service - Calendar 2008</a>	Contests all over the world! Also has links to online rules for most contests
<a href="#">Contesting Online</a>	Just about everything contests!

Albemarle Amateur Radio Club  
P.O. Box 6833  
Charlottesville, VA 22906  
<http://www.albemarleradio.org/>



**THE AARC BEACON**  
**Vol 2008 No. 10**  
**October 2008**



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**ISSUE DEADLINE - 25th of each month**

**Contact Information**  
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PO Box 530  
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(434) 990-2659  
[W4RQ@yahoo.com](mailto:W4RQ@yahoo.com)

**Next Club Meeting : October 14 - 7:30 PM NRAO Bldg - UVA Grounds**

**CLUB MEETINGS and NETS**

**REGULAR Meeting:** Second Tuesday of each month at 7:30 PM  
**BOARD & TECHNICAL Meetings:** Prior to regular meeting at 6:30 PM  
Meetings are held at the NRAO building on Edgemont Road.  
**LUNCHEON:** Wednesdays -- Area hams gather at the **Wood Grill Buffet** on Rte 29 North from 11 AM – 1 PM  
**Monday Night Information Net** – Each Monday at 7:00 PM  
**Northern Piedmont Emergency Net:** Each Thursday at 8:00 PM  
**All Nets are held on the 146.760 repeater**

**AREA REPEATERS**

146.760 (-) 151.4 Hz Tone **WA4TFZ**  
146.925 (-) 151.4 Hz Tone **WA4TFZ**  
224.760 (-) No Tone **WA4TFZ**  
444.250 (+) 151.4 Hz Tone **WA4TFZ**  
**Other Area Repeaters**  
444.775 (+) 151.4 Hz Tone **KF4UCI**  
442.075 (+) 151.4 Hz Tone **KF4UCI**  
145.17 (-) 151.4 Hz Tone **W4FCO** (Fluvanna)  
146.79 (-) 110.9 Hz Tone **WW4GW** (Buckingham)  
145.450 (-) 151.4 Hz Tone **K4DND** (Martha Jefferson Hospital)  
224.600 (-) 151.4 Hz Tone **KG4HOT**

**AARC CALENDAR OF EVENTS**

DATE	EVENT
October 14	Regular Club Meeting
November 11	Regular Club Meeting
December 9	Regular Club Meeting

**AARC - PUBLIC SERVICE SCHEDULE**

DATE	EVENT
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There currently is no primary contact for Public Service events and Emergency Communications. Any volunteers?

Membership application available in PDF format at [http://www.albemarleradio.org/members/AARC\\_member\\_application.pdf](http://www.albemarleradio.org/members/AARC_member_application.pdf)