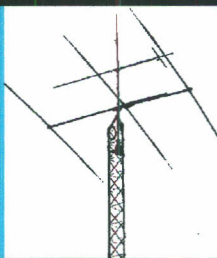


The AARC Beacon



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

Volume 2004, No. 3

~~~~~

March 2004

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## Meeting Notice

The next regular AARC meeting will be held on **Tuesday, March 9 at 7:30 PM** at the **Astronomy Building on the UVA campus**. The program will be a discussion of the club's participation in the "**Virginia QSO Party**" later this month.

See you there!!

## Dues / Application Notice 2004

**\*\*\* Final Notice - Dues are now due !!! \*\*\***

Members who have paid their 2004 dues and not filled out a new AARC Application form are requested to do so without delay. Applications should be sent to the club Secretary at [mandlm8@aol.com](mailto:mandlm8@aol.com) or brought to the next club meeting. Youth and Life members are requested to complete an application as well. **All membership dues should be accompanied by an AARC Application.**

We need your cooperation to up date the club data base. In the past some members have not been notified via E-mail that the Beacon is available, while others have not received hard copy through the US Mail. We hope to correct this problem for 2004. **We need your assistance to update the club database updated with accurate information (as well as your email addresses) for all club members. This will enable us to keep your info current and allow us to serve you better.**

Some members may have already paid their dues directly to Ralph, K4CFE. We request this group to also fill out the new form.

**A copy of the new form is included in this issue of the Beacon.** It may also be downloaded from the AARC website. If you have not yet filled out the new form, please print this page and complete the form.



## The President Speaks

Pete, W4PRT

Greetings!

By the time you read this Frostfest will have come and gone. We had a very nice time going to Frostfest this year and as Bob (K4DU) wrote in last month's Beacon, it is an amazing event. In case you missed Frostfest and are chomping at the bit to get out there and get to one I found that the ARRL has a webpage that lists all the Hamfests and Conventions. It is called the [Hamfest and Convention Database](#). You can sort the events by State, ARRL Division, ARRL Section or you can look at all locations or search for a keyword. If you use "Show events by ARRL Division" and choose our division, which is Roanoke, you will see all the upcoming Hamfests in the near future.

Remember, the 3<sup>rd</sup> Annual Albemarle Amateur Radio Club Swapfest and Picnic is coming in August. Do a little spring cleaning around the shack and dust off some things that you might want to get rid of or think that someone else might find interesting.

Okay, now is the part of the column where I refer to this month's listings in the **"ARRL Active Club Online Primer"**.

### March Notes:

**Plan April meeting.** (Suggestion: "ARRL Night." Invite Division Director, Section Manager, and other section League officials. Tell club members to be ready with their questions and comments on League affairs.)

Follow-up with Explorer Post contacts in encouraging scouts to pursue their interests in Amateur Radio. Invite them to your licensing class.

**Field Day planning:** Task club PIO with arranging publicity for club activity.

**Club gavel competition, International DX Contest, phone.** See the current ARRL Contest Branch Web page for dates, rules, and forms.

Contact town officials and offer communications assistance for spring marathons, races, parades and other special events.

**Note of the Month:** Have you submitted your club's Update to ARRL HQ yet?

I think that an **ARRL night** would be a great idea for a Club Presentation. I know that we had Carl Clements (W4CAC) the Virginia Section Manager for the Roanoke Division give a presentation last year. Some folks have suggested that we try to get the ARRL Division Manager or Vice Director for the Roanoke Division down for a presentation. What do you all think? I think it would be nice to have these folks down to keep us abreast of what is happening within the Division.

In last months meeting we didn't have that much time to discuss having a group of Scouts come by and giving them a demonstration about Amateur Radio. Again, does anyone know whom we might contact to see if they would want such a presentation? Does anyone think that it should be limited to just Boy Scouts? What about Webelos or Cub Scouts also?

In last months meeting, I did not have the chance to ask if anyone is interested in joining the Field Day Planning Committee. Don't everyone rush at once; there is plenty of room for everyone. If you're interested, please let me know. The time to plan is now. The sooner we have the ideas in place the smoother it will be at the end of June. One thing that has been talked about is the Club buying an antenna or two for this event. My Carolina Windom that we used last year is presently in operation here at my shack and is not coming down for this years Field Day. That leaves us with the G5RV that we used last year (assuming that it is still available for this year use). It would be nice to have multiple stations as we did last year. The antennas aren't too expensive and they would be nice to have for other events as well.

I explained about the Club Gavel competition in last month's column. If anyone has any interest in heading this up, please let me know.

The last bullet is very interesting. "Contact town officials and offer communications assistance for spring marathons, races, parades and other special events." That's right, **Public Service Events!** This Club has really shined in this area in the past. We have a very good Public Service record with many organizations throughout the community and they really need our help for their events to succeed.

The next upcoming Public Service event is the **Jefferson Cup Bike Races on March 28, 2004**. Mark your calendars, keep that day open, come out and help and have some fun as well. If you've never been to one of these races, they are a lot of fun. We need all the help we can get and seeing that there are new members in the Club, this would be a great event to get some training working Public Service Events. I'm sure that there will be more information at the March meeting about this and other upcoming events. So dust off your HTs and break out the windbreakers and let's have a great time helping a great event. See you there!

And last but not least, yes, we have submitted our Clubs update to the ARRL HQ.

Instead of listing the various contests for the month, I will be listing the webpage from the ARRL. It will cut down on my writing and it will be easier for folks that want to look at that information to click on the link within the newsletter. Besides, Bob (W4RQ) always has a matching list each month (Thanks Bob). So, for those that want to imbibe in a contest this month, here is the link: [ARRLWeb: ARRL Contest Branch](#).



Speaking of contests, **this month's presentation is going to be about the Virginia QSO Party.** If you remember, I mentioned this in last month's column. I think it would be a great idea if we participated in this year's QSO Party. The contest runs from 1800Z March 20<sup>th</sup> until 0200Z March 22<sup>nd</sup>. Details about the QSO Party will be given at this month's meeting. We are encouraging folks to participate as a Club. Come on out and see what QSO Parties are all about and try something new.

Remember, if you have not filled out a new membership application for this year, please get in touch with Ben (KG4QVP). We are trying to get our records current for the Club membership and get a Club directory out to folks. It has been a few years since we have done this and the information needs to be updated.

73 -- Pete

## Veep Peeps

Jon, W4OJ, VP

The Vice President's column is unavailable this month.

## Virginia QSO Party

Bob Pattison, K4DU

Ok, so you really enjoyed Field Day or you heard about all of the fun that others had at Field Day and you want to work a contest. A great place to try your contesting luck is on the QSO Parties that take place throughout the year. QSO Parties are more relaxed than the big contests, and they are a great way to make a dent in other activities like "Worked All States" or the "USA-CA Counties Award".

The Virginia QSO Party is sponsored by the Sterling Park ARC. These are the same folks who run one of our four-land QSL Bureaus. The contest runs from 1800Z on March 20 to 0200Z on March 22. For information on suggested frequencies, the exchange, scoring and log submission go to <http://www.qsl.net/sterling>.

This year to hone operating and contest skills the AARC will participate in the contest in a big way. We encourage all members to get on the air and work as many stations as possible. If you provide K4DU with a copy of your submitted contest log no later than April 10<sup>th</sup> and you will be eligible to win any one of a number of awards. The details will be announced at the March meeting of the AARC.

If you don't have HF privileges team up with someone who does. The AARC will recognize multi-op efforts in its awards programs. Those of you who do have HF privileges, I encourage you to open your shack to those who don't.

Take them under your wings and make it a great contest effort.

Enjoy!

### And from Marty, AG4DN the official VAQP announcement is:

The Sterling Park Amateur Radio Club is pleased to sponsor the "2004 Virginia QSO Party". The party will be held starting at 1800 UTC on Saturday, March 20, 2004 and end 0200 UTC on Monday, March 22, 2004. The Virginia QSO Party web Site is at:

<http://www.qsl.net/sterling/QSOParty.html>

Marty AG4DN Club Secy. has flyers with additional information that can be provided upon request. Copies will also be available at the March club meeting.

## 2004 Virginia QSO Party Rules

### Sponsor

Sponsored by the Sterling Park Amateur Radio Club, Call Box 599, Sterling VA, 20167.

### Object

To promote amateur radio activity in the 95 Virginia Counties and 39 Independent Cities.

### Dates

March 20 - 22, 2004. Contest times are from 1800 UTC on Saturday March 20 through 0200 UTC on Monday March 22.

### Entries

Submit logs, summary and dupe sheets (for greater than 200 QSO's) by April 15, 2004 to the VA QSO Party, Call Box 599, Sterling, VA 20167 or by email to [nq4k@arrl.net](mailto:nq4k@arrl.net). Include SASE or email address for summary of contest results. A \$1.00 donation to help defray the costs of printing and mailing is encouraged.

### Contest Rules

Work fixed stations once per band/mode. Out-of-State stations work Virginia stations only. No cross-mode or repeater QSO's. A Virginia Mobile transmitter must remain on one band for a 15 minute period starting with the first logged QSO on that band for that time period. Work Virginia Mobiles in each Virginia County or Independent City from which they operate. Mobiles and Fixed stations on County or Independent City lines count as one QSO and only one County/Independent City multiplier. Multipliers are only counted once. **Contacting the same Virginia County, Independent City, State, Province or Country using a different band or mode counts only as a new QSO, not as a new multiplier.** Virginia Mobiles receive a bonus of 100 additional points for each Virginia County/Independent City from which they log a valid QSO. For award purposes



## March 2004

Fixed and Mobile operation will be considered separately, please submit separate logs for Fixed and Mobile operation. Spotting nets, DX clusters, etc., may be used to locate other stations - no self-spotting permitted. All operators must observe the limits of their operator's license. Multiple operator stations should indicate all operators by name and call sign.

**Paper or electronic Logs, Summary and Dupe sheets (200 or more QSO's) are required.** Summary sheet should include name, mailing address, call sign, number of Virginia Counties/Independent Cities in which operated, license class, club name and a signed statement that all contest rules and regulations have been observed. Dupe sheets by band and mode are required for 200 or more QSO's. For **Club Competition** (minimum of 3 valid club entries), be sure to indicate club name on summary sheet and log. Contestants using computer logging and reporting software are required to verify scoring and duping to ensure contest rules have been followed.

### Scoring

QSO's count 1 point per Phone, 2 points per CW, and 3 points per contact made with a Virginia Mobile (Phone or CW). Virginia Fixed Stations multiply QSO points by the total number of Virginia counties, Virginia Independent cities, U. S. States, Canadian Provinces and DX Countries. No extra DX multiplier for U.S. (including Alaska and Hawaii) and Canada. Virginia Mobiles, add to your Virginia Fixed Station score 100 bonus points for each Virginia County or Independent City from which you log a valid mobile QSO. Outside of Virginia, multiply QSO points by the total number of Virginia Counties (95) and Independent Cities (39) worked to obtain final score. All stations add 500 bonus points for a contact with K4NVA the club station of the Sterling Park Amateur Radio Club.

### Exchange

Exchange QSO number and QTH (Virginia County or Independent City for VA stations; State, Province or DX Country for others). Virginia Mobile Stations log QSO's by Virginia Independent City or County of operation. Identify all QSO's with band/mode, sequential QSO number sent/received and date/time of contact in UTC. Please follow standard contest practices by making and responding to "CQ Virginia QSO Party" calls. Multiple Transmitter stations may maintain sequential QSO numbers independently for each transmitter.

### Frequencies

160 meters and up, except **no WARC band QSO's permitted.**

**Suggested frequencies:** CW--1805 KHz and 50 KHz up from band edge on others. PHONE --1845, 3860, 7260, 14270, 21370 and 28370 KHz. Novice/Tech Plus--10 KHz up from the edge of the CW band and 28370 KHz on PHONE.

VHF -- 50.125, 144.200 (CW & SSB), 146.580 and 223.50 MHz. UHF--446.00 MHz All frequencies plus or minus QRM and nets. No Repeater or cross-mode QSO's.

### Information

Additional information may be obtained by mail at VA QSO Party, Call Box 599, Sterling, VA 20167 from the SPARC website <http://www.qsl.net/sterling> or by contacting Gordon Miller, [nq4k@arri.net](mailto:nq4k@arri.net).

### Operator Categories

**Single Operator** - One person performs all operating and only one transmitter may be on the air at a time

**Mobile** - Single or Multiple individuals operating Mobile under a single call sign with only one transmitter on the air at a time. A mobile station is self-contained and capable of legal motion (land, water or air) while operating. Motion is optional, and discouraged, during operation.

**Club** - Minimum of three valid contest entries each indicating club affiliation.

**Multi Operator / Single Transmitter** - Two or more operators with one transmitter on the air at one time.

**Multi Operator / Multi Transmitter** - Two or more operators with two or more transmitters on the air at one time.

**Expedition** - One or more operators of a single transmitter station that moves between two or more Virginia locations during the course of the contest. All equipment, power supplies and antennas must be transported to each operating site.

## AWARDS

### Plaques

#### High Virginia Single Operator All Mode

Awarded to the Virginia Single Operator Fixed Station with the highest total score.

#### High Virginia Mobile

Awarded to the Virginia Mobile Station with the highest total score resulting from only Mobile operation. May be multiple operators but only one transmitter on the air at a time under a single call sign.

#### High Virginia Club Combined Score

Awarded to the Virginia Club (minimum of three valid club member entries) with the highest total combined club member scores.

#### High Single Operator VHF Only

Awarded to the Single Operator Station with the highest total score resulting from only VHF (1.25, 2 & 6 meter) operation.

**High Virginia QRP All Mode**

Awarded to the Single Operator Station with the highest total score resulting from only QRP (output RF power less than 5 watts at all times) operation within the state of Virginia.

**High QRP All Mode Outside Virginia**

Awarded to the Single Operator Station with the highest total score resulting from only QRP (output RF power less than 5 watts at all times) operation outside the state of Virginia.

**High Single Operator Outside Virginia All Mode**

Awarded to the Single Operator Station located outside the state of Virginia with the highest total score.

**High Single Operator Novice/Tech All Mode**

Awarded to the Single Operator station receiving the highest total score where the operator holds a valid Novice, Technician or Technician Plus License.

**High Single Operator CW Only**

Awarded to the Single Operator Station with the highest total score resulting from only CW operation.

**High Multiple Station**

Awarded to the Multiple Operator Multiple Transmitter station with the highest total score.

**High Multiple Single Station**

Awarded to the Multiple Operator Single Transmitter station with the highest total score.

**High DX Station All Mode**

Awarded to the DX station with the highest total score.

**3-Letter Virginia County Abbreviations**

| County        | Abbr | County         | Abbr |
|---------------|------|----------------|------|
| Accomack      | ACC  | King George    | KGE  |
| Albemarle     | ALB  | King William   | KWM  |
| Alleghany     | ALL  | Lancaster      | LAN  |
| Amelia        | AME  | Lee            | LEE  |
| Amherst       | AMH  | Loudoun        | LDN  |
| Appomattox    | APP  | Louisa         | LSA  |
| Arlington     | ARL  | Lunenburg      | LUN  |
| Augusta       | AUG  | Madison        | MAD  |
| Bath          | BAT  | Mathews        | MAT  |
| Bedford       | BED  | Mecklenburg    | MEC  |
| Bland         | BLA  | Middlesex      | MID  |
| Botetourt     | BOT  | Montgomery     | MON  |
| Brunswick     | BRU  | Nelson         | NEL  |
| Buchanan      | BCH  | New Kent       | NEW  |
| Buckingham    | BHM  | Northampton    | NHA  |
| Campbell      | CAM  | Northumberland | NUM  |
| Caroline      | CLN  | Nottoway       | NOT  |
| Carroll       | CRL  | Orange         | ORG  |
| Charles City  | CCY  | Page           | PAG  |
| Charlotte     | CHA  | Patrick        | PAT  |
| Chesterfield  | CHE  | Pittsylvania   | PIT  |
| Clarke        | CLA  | Powhatan       | POW  |
| Craig         | CRA  | Prince Edward  | PRE  |
| Culpeper      | CUL  | Prince George  | PRG  |
| Cumberland    | CUM  | Prince William | PRW  |
| Dickenson     | DIC  | Pulaski        | PUL  |
| Dinwiddie     | DIN  | Rappahannock   | RAP  |
| Essex         | ESS  | Richmond       | RIC  |
| Fairfax       | FFX  | Roanoke        | ROA  |
| Fauquier      | FAU  | Rockbridge     | RBR  |
| Floyd         | FLO  | Rockingham     | RHM  |
| Fluvanna      | FLU  | Russell        | RUS  |
| Franklin      | FRA  | Scott          | SCO  |
| Frederick     | FRE  | Shenandoah     | SHE  |
| Giles         | GIL  | Smyth          | SMY  |
| Gloucester    | GLO  | Southampton    | SHA  |
| Goochland     | GOO  | Spotsylvania   | SPO  |
| Grayson       | GRA  | Stafford       | STA  |
| Greene        | GRN  | Surry          | SUR  |
| Greensville   | GVL  | Sussex         | SUS  |
| Halifax       | HAL  | Tazewell       | TAZ  |
| Hanover       | HAN  | Warren         | WAR  |
| Henrico       | HCO  | Washington     | WAS  |
| Henry         | HRY  | Westmoreland   | WES  |
| Highland      | HIG  | Wise           | WIS  |
| Isle of Wight | IOW  | Wythe          | WYT  |
| James City    | JAM  | York           | YOR  |
| King & Queen  | KQN  |                |      |



March 2004

### 3-Letter Virginia Independent City Abbreviations

| City             | Abbr | City           | Abbr |
|------------------|------|----------------|------|
| Alexandria       | ALX  | Lynchburg      | LYX  |
| Bedford          | BEX  | Manassas       | MAX  |
| Bristol          | BRX  | Manassas Park  | MPX  |
| Buena Vista      | BVX  | Martinsville   | MVX  |
| Charlottesville  | CHX  | Newport News   | NNX  |
| Chesapeake       | CPX  | Norfolk        | NFX  |
| Clifton Forge    | CLX  | Norton         | NRX  |
| Colonial Heights | COX  | Petersburg     | PBX  |
| Covington        | CVX  | Poquoson       | PQX  |
| Danville         | DAX  | Portsmouth     | POX  |
| Emporia          | EMX  | Radford        | RAX  |
| Fairfax          | FXX  | Richmond       | RIX  |
| Falls Church     | FCX  | Roanoke        | ROX  |
| Fort Monroe      | FMX  | Salem          | SAX  |
| Franklin         | FRX  | South Boston   | SBX  |
| Fredericksburg   | FBX  | Staunton       | STX  |
| Galax            | GAX  | Suffolk        | SUX  |
| Hampton          | HAX  | Virginia Beach | VBX  |
| Harrisonburg     | HBX  | Waynesboro     | WAX  |
| Hopewell         | HOX  | Williamsburg   | WMX  |

**Mar 14 North American Sprint Contest**

6

**Mar 20-21 DARC SSTV Contest**

**Mar 20-22 Virginia QSO Party**

**Mar 27-28 CQ WW WPX Contest - SSB**

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

*73, Bob W4RQ*

***Have Fun in the***

***Virginia QSO Party***

## AARC Public Service Schedule

|              |                                           |
|--------------|-------------------------------------------|
| March 26     | 911 Drill at about 6:00 PM                |
| March 28     | Bike Race                                 |
| June 12 - 13 | MS Bike Tour                              |
| September    | Mountain mama Bike Race – Highland County |
| November     | Montpelier Horse Races                    |

## Area Hamfests

|                                               |                                                                                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RARSFest 2004</b><br>April 4<br>Raleigh NC | Jim Graham Building<br>NC State Fairgrounds<br>Details at website at URL<br><a href="http://www.rars.org/hamfest">http://www.rars.org/hamfest</a> |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

## FCC Database Updates

| New Calls     |                        |
|---------------|------------------------|
| W4UF          | Howard Gay – ex KG4TWQ |
| Upgrades      |                        |
| None Reported |                        |

## VE Session Schedule - 2003

|                                   |                                                                                                                                                                                                      |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| March 13<br>Madison<br>(ARRL VEC) | Sponsor: Madison VE Team<br>Time: 9:00 AM (Walk-ins allowed)<br>Contact: John Berry (540) 543-2580<br>Email: AF4CY@ARRL.NET<br>Location: Madison War Memorial Bldg.<br>MAIN ST.<br>Madison, VA 22727 |
| Date<br>Location<br>(ARRL VEC)    | For other exam sessions in Virginia outside the AARC area, check the <a href="#">ARRL Exam Session Search</a> web page.                                                                              |

## For Sale Items

|                                                                |                                                                                                                                                                               |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Offered by<br>Rick, KO4WQ<br>Contact Rick at<br>(434) 245-1128 | 1 - Astron 12M Regulated Power Supply with manual and original carton with 12v distribution strip<br>1 - Portable Power Station with 6, 9 and 12v outputs in original Carton. |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## AARC Club Officers

|                |                |        |                                                                                    |
|----------------|----------------|--------|------------------------------------------------------------------------------------|
| President      | Pete Thorsen   | W4PRT  | <a href="mailto:w4prt@arrl.net">w4prt@arrl.net</a><br>434-842-1014                 |
| Vice President | Jon Gefaell    | W4OJ   | <a href="mailto:jon@turing.org">jon@turing.org</a><br>434-996-9628                 |
| Secretary      | Marty Mait     | AG4DN  | <a href="mailto:mandlm8@aol.com">mandlm8@aol.com</a><br>434-589-2825               |
| Treasurer      | Ralph Traylor  | K4CFE  | <a href="mailto:rw16t@virginia.edu">rw16t@virginia.edu</a><br>434-296-7418         |
| Director       | Bob Pattison   | K4DU   | <a href="mailto:rep4@aol.com">rep4@aol.com</a><br>434-985-4828                     |
| Director       | Ben Mills      | KG4QVP | <a href="mailto:blmills@mindspring.com">blmills@mindspring.com</a><br>434-953-8106 |
| Director       | Jill Anderson  | KG4TFS | <a href="mailto:jrandersn@yahoo.com">jrandersn@yahoo.com</a><br>434-               |
| Director       | Howard Gay     | KG4TWQ | <a href="mailto:kg4fyf@earthlink.net">kg4fyf@earthlink.net</a><br>540-456-6445     |
| Director       | Steve Clements | KD4HBX |                                                                                    |

## Contest Calendars

|                                                        |                                                                               |
|--------------------------------------------------------|-------------------------------------------------------------------------------|
| <a href="#">ARRL Contest Calendar 2004</a>             | ARRL sponsored contests                                                       |
| <a href="#">SM3CER Contest Service - Calendar 2004</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.people.virginia.edu/~ejd4e/aarc/index.htm>



**THE AARC BEACON**  
**Vol 2004 No. 3**  
**March 2004**



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**ISSUE DEADLINE - 23<sup>rd</sup> of each month**

**Contact Information**  
Daniel R. (Bob) Dorsey, Jr. W4RQ  
PO Box 530  
Ruckersville, VA 22968-0530  
(434) 990-2659  
[W4RQ@yahoo.com](mailto:W4RQ@yahoo.com)

**Next Club Meeting :**

**March 9 - 7:30 PM**

**Astronomy Bldg. at UVA**

**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 UVA Astronomy building at 530 McCormick 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

**Youth Net:** Each Wednesday at 7:30 PM on 147.075

**Northern Piedmont Emergency Net / Swap Net / Technical Session:**  
Each Thursday at 8:00 PM

**All Nets are held on the 146.760 repeater (except for the Youth Net)**

**AREA REPEATERS**

**WA4TFZ**

**INPUT/OUTPUT**

**Tone Access (If needed)**

146.160/146.760

151.4 Hz

146.325/146.925

151.4 Hz

223.160/224.760

No Tone

449.250/444.250

151.4 Hz (If enabled)

145.030

MACHO Node

145.030

CHO Packet Bulletin Board

**Other Area Repeaters**

145.410 (-) 100 Hz Tone (if enabled) -- **AF4CY (Madison)**

442.075 (+) 151.4 Hz Tone -- **KF4UCI**

**AARC CALENDAR OF EVENTS**

| DATE      | EVENT                |
|-----------|----------------------|
| March 9   | Regular Club Meeting |
| April 13  | Regular Club Meeting |
| May 11    | Regular Club Meeting |
| June 8    | Regular Club Meeting |
| July 13   | Regular Club Meeting |
| August 10 | AARC Picnic          |

**AARC - PUBLIC SERVICE SCHEDULE**

| DATE       | EVENT |
|------------|-------|
| 2004 - TBA | TBA   |

Please sign up at meetings as the SIGN UP CLIPBOARD is passed around. Contact Greg N4PGS indicating your interest in working particular events.

**Membership application available in PDF format at [http://www.people.virginia.edu/~ejd4e/aarc/images/AARC\\_Application.pdf](http://www.people.virginia.edu/~ejd4e/aarc/images/AARC_Application.pdf)**