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### Meeting Notice

The next regular AARC meeting will be held on July 11 at 7:30 PM, at the NRAO building at UVA. The program will be a discussion of recent events concerning the AARC repeater systems.

### The President Speaks

*Bob, K4DU*

July, my how time flies! This month I want to spend a few minutes talking about the state of the Club. The AARC is a very special club. We are blessed with a pool of very talented people. No matter what your interest or curiosity, there is probably someone in this club with experience who can give a helping hand. This is important. It goes to the very spirit of amateur radio.

From time to time members of the club will disagree over how something should be done or whether the club should embark on this effort or that effort. This is natural. The important thing is that when these disagreements occur we must all conduct ourselves with honor and dignity demonstrating respect for one another, particularly those with whom we disagree. Once the matter is placed to a vote we close ranks and move forward together.

In the past few weeks I have been doing some soul searching. Reflecting on where we are and where we are going. The club seems very different in some ways from the way it was the last time I served as president. Amateur radio is a hobby and we are all volunteers. The hobby and the club serve as vehicles that enable us to improve our skills, perform public service through ARES and reach out to others in the community to help spread the word about amateur radio. The AARC and amateur radio need to grow. We cannot afford to let our differences divide us. We have much work to do and it will take all of us pulling together to win the day. If you think the club needs to do something in a new and better way pitch in and make it happen!

This month we will be honoring John Gray W6UZ for his service as lead VE in Albemarle County. John was president of the AARC when I first joined the club. At that time the club met in the basement of the City Court house and a big meeting was 10 people. The 146.925 machine was in the meeting room along with a very large table that contained the club station. Thanks John for many years of faithful service to the hobby!

*73, Bob K4DU*

## Peep From The Veep

Dick, W4BZW

I hope that everyone is having a good summer and has kept open the date for the club picnic on August 8. It was good to see all those who visited the club's Field Day site at the Earlsville Fire Station. I got to see some real contest operators in action and it was fun to watch. The hope is that next year we can muster a greater effort for the club's field day activities.

The program for the club meeting on Tuesday evening July 11 was set aside some time ago for a technical committee presentation. There have been significant developments in recent weeks with the club's repeaters and repeater sites and based on these activities, the presentation will have more of a repeater system focus. All members interested in the club's repeaters for 2 Meters, 220Mhz, 440Mhz, APRS or Packet should make every effort to be at the next meeting for this presentation. Bob Pattison's presentation on the Dayton Hamfest was preempted at the June meeting by other club business and it has been rescheduled for the September meeting. I hope to see you at the club meeting on July 11 and at the picnic on August 8.

73s, Dick W4BZW

## The Club...

Harry, W2HD

The column this month revisits a subject that was covered many, many months ago in an earlier edition. Taking a look at the dictionary definition of the word "club," and passing by the primary definitions of heavy stick, cudgel, a baseball bat and one of a suit of playing cards, it became apparent that what was meant to be our meaning of "club" was: "a number of persons associated for a common purpose or mutual benefit, particularly one supported jointly and meeting periodically." Yep, that's the one we want to address.

Next, it appeared to be wise to see what our Articles of Incorporation and our club By-Laws state. The Articles are very complete and mention key words such as: educational and scientific purposes, dissemination of information regarding our field of interest, train for public service in times of emergency, train units of licensed radio amateurs capable of maintaining communications as a public service during periods of emergency and sponsorship of experimental activities in radio communications and electronics to the benefit of the public.

The By-Laws very simply state: The Albemarle Amateur Radio Club, Inc. is a dues paying, non-stock, non-profit incorporated organization dedicated to the advancement of Amateur Radio and public service. They then provide for the

organization, duties of officers and other day-to-day activities.

If you care to read the above in its entirety, go to the AARC Web Site and see all of the words as they have been adopted by years of AARC activity. This is a recommended approach for all members. Know your organization!

By now, some of you might be wondering why these words are being written in the first place. "I've paid my dues. I attend meeting when I can or the spirit moves me. I help out in public service events sometimes. What more do you want from me?" Well AARC members, there is one more very, very important point to cover and that is simply this: Do you take any role in the actual club operation? Are you a member of a club committee? Do you volunteer when the call is made for Field Day, contest participation or some of the physical things such as maintenance of repeater sites? Those are club activities and the club needs your help. Oh, yes, the words are already ringing in my ears: "I don't have time. I don't enjoy Field Day or contests, either. I can't devote time to maintenance and repair when my own house needs lots of the same!" And, do you know... those are legitimate reasons. However, an occasional step out of character is good for each of us and is certainly worth trying.

Let's take a look at those who really support the AARC... not just with dues, but also with deeds! The Club officers and committee members give their time every month and even more frequently to be certain that the rest of us can live an easy life as "couch potatoes" or cross word puzzle solvers!

What about those who came forward when the tree fell on our Carter's Mountain repeater site so that the communications systems were kept on the air? Have you taken the time to say thanks to them? These folks don't expect every member to be able to deal with the technical problems presented by a repeater. They realize that most of us merely press the button on the HT and expect the repeater to be there at the ready for our words. They don't have time to receive accolades for their efforts. There is just too much to be done to keep our "service" image alive. However, your appreciation can be shown by asking how you might help in other ways. Some of the newest club members have been providing assistance that has been invaluable. Could you have done something similar?

Perhaps the answer is a simple NO. Perhaps you are struggling to keep the family together. You may even have some white atop your head and be unable to assist physically. Is there something you can do? Examine your experience and see if you don't have some special talent that could be of assistance. Let the president know and don't be afraid to volunteer your mind or hands. No one will laugh at you. Many will cheer your efforts.

Remember the words in the first paragraph ... "mutual benefit"... There's the answer, Come on board!!! 73...

73.. /s/ Harry, W2HD

## Recognizing John Gray, W6UZ

During the July meeting of the AARC, John Gray, W6UZ, will be given special recognition. All Amateur Radio operators who have participated in VE Sessions coordinated by John are invited to attend. This includes examinees and the VEs who assisted in the sessions. John served as VEC for a long and successful period of time. His last session was the April 8<sup>th</sup> examination session.

If we are fortunate, John will share a few of his recollections.

*Joe, KD4RWX*

## AARC Repeater News

*Jim, K4JMY*

Mr. Bruce R. Shifflett informed me that he is in the process of selling the property on Piney Mountain where our current tower and equipment is located. This was only to be a temporary site beginning May 1, 1999. He requested that we vacate the premise, removing all equipment in his building and the tower, in thirty days, on or before July 7, 2000.

I thanked him for the 12 months that he has generously accommodated the Club with the use of his facility's and private road privileges. Mr. Shifflett did inform that at "Tax Time" the AARC tax exempt letter was "not acceptable" by the firm doing his returns.

The 146.760 Machine was shut down around noon today, June 18, making way for the transition from Piney Mountain to "Marshall-Manor". This hopefully will be completed within 10 days or so. It was thought at first to set up "Temp" at K8EV-Richard's house but conditions were against that. 146.925 will carry the Monday Night Info Net and The N.P.E.Net on Thursday night, plus any other transmissions that need to be made.

The new location at Marshall Manor is located approximately 3 to 4 miles south of Charlottesville off Hwy 20, on the back side of the Marshall Manor subdivision on State Rte 627, 8 miles SE of Charlottesville.

Elevation:	1182 Feet.
Height:	141 Feet.
Structure Height:	125 Feet.
Latitude:	375741 N
Longitude:	0783037 W

## More Recent Upgrades!

*Tnx to Joe, KD4RWX and Harry, W2HD*

The ARRL/FCC backlog from upgrades resulting the April 15 license restructuring is dwindling. Several upgrades among club members have finally come through that were not available at press time for last month's issue.

Congratulations to the following members on their upgrades:

### To General:

KE4KJB, Bill, Marty, KF4FRO and Paul, KE4OIC

### To Extra:

KE4JSU, Bill

## AARC Helps Out in MS-150

*Greg, N4PGS*

Many club members turned out to assist in communications support for the MS 150 Bike event held on June 11 and 12. I would like to recognize the following hams for their help in this event:

### 1 day Participation

Don, KE4DDR

Al, KD4NRE

Kay, KD4CUJ

Dave, AD4GK

Will, KJ4XZ

Bob, N4HRV

Marty, KF4FRO

Rick, KO4WQ

Elwood, KB4DJN

Brad, N7IVV

### 2 days Participation

Hein, N4FWA

Dave, K4DND

Greg, N4PGS

Thanks very much to all who participated!

## We Hear That...

LeRoy (WA4MHP) and Jan (KE4NNT) Sutter have a new address: 4397 E. 2925th Road, Sheridan, IL 60551 and a new Phone: 815 496-3533

Roy Lane (formerly K4IRL) is now K1IL.

Jimmy, K4JMY has a new email address: k4jmy5@juno.com.

## Club Business

### AARC Board Minutes June 6, 2000

Attending: Pres. Bob-K4DU; Vice Pres. Dick-W4BZW; Sect. Joe-KD4RWX; Dir. Pete-KC4UCK; Dir. Mike-N4HRO; Dir Elmer-KF4UCI; Dir. Mike-AC4ZQ.

Mike, AC4ZQ and Elmer, KF4UCI indicated that there has been a temporary change of the 146.760 repeater. We are now using a commercial repeater because the exciter in the regular repeater cannot be effectively controlled.

Mike and Elmer are to prepare a proposal for the purchase of a new repeater to replace the 146.760 repeater before July 15th. Send to Joe and Bob via email. It will be published August and September. A vote on the proposal will be held at the September meeting.

The 220 cans are in the hands of Rich Bradley. Bob will call Hein to try to get the process moved forward.

Pete indicated that Bill, KC4TQF plans to begin a class. Sign up on Sept. 6th. Start class on September 13th. At some future time, classes for General and Extra might be set up. Bob indicated that he and Harry, W2HD would likely manage those.

Mike-N4HRO will bring refreshment to the meeting.

Joe, KD4RWX indicated that the Award certificate was ready. (modify to make a signature space available). He submitted a budget for the remainder of the year in the amount of \$474.52. This is for copying newsletter, postage and Directory copying. It was approved. Joe will produce a list of old members and begin to develop a survey. The desire is to determine their interests and concerns related to the AARC.

Bob, K4DU: there is a need to notify Hams about Field Day. Someone will notify Joe about mailing.

No Board meeting in July.

August meeting will be held at the Downtown Library, Madison Room.

Motion made to adjourn. Approved.

### Regular Meeting May 9, 2000

Bob-K4DU, President presided.

Bob indicated that there would be a program change. The Dayton trip report will be canceled. He wished to take up two topics:

1. The 146.760 repeater
2. Field Day

### REPEATER

Bob, K4DU gave a brief overview of the recent history of the repeater. Mention was made of the recent notice we received to vacate the Piney Mountain site. Jimmy, K4JMY indicated we should know something final about the Marshall Manor site in about 5-7 days. Bob, K4DU indicated as long as we are a guest at any site, we could lose our location. We should think about purchasing a site. Think of the future.

Richard, K8EV offered his tower and electricity for locating the 146.76 repeater temporarily.

Harry, W2HD noted that the Monday Night Info Net has already been moved to the 146.925 repeater. He also recommended that we get off Piney!

Bob, K4DU indicated that the present 146.760 repeater might need to be replaced. Elmer, KF4UCI commented that the exciter drifts and may need to be replaced. He made reference to phase modulation. Joe, W2PVY explains some differences between phase modulation and true frequency modulation.

Howard, KG4FYF reported that on June 4 he heard some of our Hams on frequencies outside the Ham bands, in the 450-470 MHz range. Several individuals quickly indicated that what he heard was image problems. A quick set of calculations demonstrated the frequency he would have heard the signals on. He confirmed the result.

Elmer, KF4UCI suggested that if Marshall Manor happens, we should start off with hard line. Jerry, WD4CEN moved that if we move to Marshall Manor, a good multi-year agreement should be obtained, and that we install hard line. The motion was seconded and passed.

Greg, N4PGS noted that there we may need to look at the equipment also. We may need to move rather quickly.

Joe, W2PVY said that we have not had good leadership of the Technical Committee, such as coordination of repeater macros. Bob, K4DU noted that the Technical Committee Chair was not here to defend himself. Donna, KG4FOL asked, if we couldn't move more quickly? Bob indicated that the Board had just set into motion a process for the Technical Committee to bring forth a plan to change the 146.760 repeater. Harry, W2HD moved that a letter be written to Mike, AC4ZQ indicating that he is removed as Technical Committee Chair. Seconded by Joe, W2PVY. A vigorous discussion ensued. Harry asked if Mike had called

anyone about not coming to the meeting. Joe, KD4RWX indicated that Mike had called him and Mike had some visitors to entertain. Harry asked if there was a specific reason. Joe replied that Mike said what he said.

Jimmy, K4JMY spoke about the evolution of the temporary Piney Mountain site. Dave, K4DND said that there was a lot of frustration in working in the Technical Committee and that caused individuals to go out on their own.

Bob, K4DU asked if for any further discussion. Joe, KD4RWX commented that he was very uncomfortable with the method of the motion. He believed it could be resolved with a personal contact with Mike by the President. After all, the President nominated him.

Harry, W2HD requested that his motion be withdrawn, if the seconder would concur. Joe, W2PVY reluctantly agreed. Harry changed the motion to: The President is to have a conversation with the Technical Committee Chair, to request that he step down as Chair. Seconded by Joe, W2PVY. Discussion: Need to have a replacement. Ernie, W2EIU commented about resignation. Vote: Motion passed.

Harry, W2HD moved: All of the AARC equipment be removed as soon as possible. Seconded. Vote: Motion passed.

Dave, K4DND moved: We will relocate 146.760 repeater to Richard, K8EV's house. Hein, N4FWA seconded it. Motion passed.

Greg, N4PGS moved an amendment: Add the equipment will not remain there longer than 6 months. Seconded by Howard, KG4FYF. Amendment motion failed.

Ernie, W2EIU moved: The AARC will buy a new 2 meter repeater and the Technical Committee be empowered to make the purchase. Seconded. Motion passed. Amendment: Ask Technical Committee to research what is required and present it at the July meeting. Approved.

Joe, KD4RWX pointed out that the Board is required to sign any repeater site agreement. Bob agreed. Richard, K8EV indicated he knows someone who lives on Flat Top Mountain. Dave, K4DND indicated that covenant restrictions and elevation/coordination problems would be faced in trying to locate a repeater on Flat Top.

**FIELD DAY**

Bob, K4DU indicated that no one had stepped forward to assume the Field Day Chair. He indicated that his watch was not going to be the first one not to have Field Day. We will have Field Day. He has written for permission to use the Earlysville Volunteer Fire Department site again. No response yet. He suggested that Ernie, W2EIU might do the publicity again this year, since he has done such an excellent job in prior years.

**Equipment to be loaned list**

W2HD                      Rig (TS-430)    Sat & Sun

N4HRO                    Rig Sun  
 K4DU                     Rig Sat  
 KD4RWX                G5RV antenna  
 KD4RWX                AARC Carolina Windom  
                                  Generator?

Elmer and Jimmy            Batteries

AARC tent. Where is it?

Bob, K4DU, indicated there is a need for two volunteers to serve as Station Captains.

Station #1 Saturday-K4DU    Sunday-N4HRO

Station #2 Saturday            Sunday-

Bob also said there is a need to get the news out about Field Day. He encouraged each meeting attendee to show up.

Greg, N4PGS reported on the MS 150 bike event just concluded, noting that it was very successful. All participants did a very good job. He showed the appreciation plaque given, to the AARC, by the MS personnel. Greg noted that Bike Virginia would be on July 7th.

Minutes for May were approved.

Meeting was adjourned.

*Submitted by Joseph D. Fritz, Secretary*

## CQ Field Day - WA4TFZ

*Harry, W2HD*

While not a very extensive operation this year, the signal from the Albemarle Amateur Radio Club once again went over the airwaves for Field Day 2000. Using a single antenna in the one transmitter class, battery powered, club members made 200 contacts with WA4TFZ as the call.

The sign-in sheet shows twenty-three calls with nine of these as operators during the abbreviated operating period. Calls listed: W4BZW\*, WB5BNT\*, KB4DJN, K4DND, K4DU\*, W3DX\*, K4EI, W2EIU, W2HD\*, N4HRO\*, WA4IUN, KA4JJD\*, W4LNT, KD4LSU, KF4NOO, KD4NRE, KS4NW, KT0P, KD4RWX, KD4TOR, K4UVT\*, KO4WQ AND KF4ZGD\*.

***Asterisks (\*) indicate those who operated.***

One of the operating crew made his very first HF contact. Another operator was converted to a "contest" man in just one hour of on-the-air time... logging almost one-third of the total club contacts in that time! He was aided by a very capable contester who did the logging for that hour.

As usual, the words were echoed, "Wait until next year!"



***Bob, K4DU, working FD 2000***

## AARC Classified Ads

This list contains FOR SALE or WANT listings for the last 30 days or so. All items must be related to amateur radio and must be surplus to the owners operation (i.e. no dealers or for profit). Price may be listed if desired. **Note:** Check also the WA4TFZ/AARC club website maintained by KD4RWX at [members.aol.com/wa4tfz/aarc](http://members.aol.com/wa4tfz/aarc). Please note that all small letters must be used for this address. New ADS may be placed directly to the Editor: 804 990-2659 or via E-mail at [k4vvt@yahoo.com](mailto:k4vvt@yahoo.com) Please **let K4RKA know when items can be deleted from this file.** Updated 6/29/2000

**6/8/00 FOR SALE: YAESU FT-470 HT**  
Rick, KO4WQ, has a Yaesu FT-470 dual band handy-talky w/(1) 5 watt battery & wall charger, (2) 3 1/2 w batteries & wall charger, desk charger for both batteries, speaker mike, DC car module to operate rig from car battery and charge the attached battery. In original box with manual. \$175. 804-823-1128

**6/15/00 FOR SALE: YAESU FT757GX HF TRANSCEIVER**  
Tim, KG4HOT, has two Yaesu FT757GX 10-160 hf transceivers for sale at \$500 each. One mobile bracket, one manual, one tech manual; 2nd operators manual available. Call him at 804-831-2963.

**6/15/00 FOR SALE: ICOM 271H 2M HT**  
**6/29/00 WANTED: KENWOOD Dual Band**  
Tim, KG4HOT, has an Icom 271H 2M transceiver with SP3 speaker and mast mounted preamp for sale. Call him at 804-831-2963. Tim is also looking for newer Kenwood dual band mobile with cross band capability and/or an ICOM 746, ICOM 706 MK2G.

**6/11/00 FOR SALE: YAESU FT900AT HF MOBILE TRANSCEIVER**  
Yaesu FT900AT HF Mobile Transceiver, 100watts, detachable front panel, general coverage, 100 channel memory, TXCO, mike, mounting bracket, good condx. \$850, K4VY 974-9852.

**6/15/00 FOR SALE: KENWOOD TR-7930 2M MOBILE**  
2 meter 25 watt mobile rig (Kenwood TR-7930). 2 memory channels, auto offset, priority alert, scan control from microphone, etc. Selling with 2 meter mag-mount antenna and bracket for auto mounting. Call Bruce Martin, N4MKW

**6/22/00 FOR SALE: ICOM 738 HF XVCR**  
Debi, KG4DCY, has an ICOM 738 HF transceiver w/20 amp Astron power supply, D-104 Silver Eagle mike on Heil DX-5 mike element, ICOM SP-3 speaker. 160-10 meters, 100 watt. Email [dhaw@rlc.net](mailto:dhaw@rlc.net) or call 804 263-5673. (Listing posted by Grayson, KF4FYI)

**6/24/00 WANTED: DUAL-BAND RIG**  
Marty, KF4FRO is looking for a dual band mobile, 2 meter/440. Cross-band a plus but not essential. Does not have to have a lot of memory, but some. Call 804 589-2825, or email [mandlm@aol.com](mailto:mandlm@aol.com)

**6/29/00 FOR SALE: KENWOOD 440 RIG**  
440 Mobile Rig - \$199 Like New! Kenwood TM-431 430-450 TX/RX with CTCSS. Contact Mike, N4HRO (804) 985-9682 Evenings or via email at [colburnm@compuserve.com](mailto:colburnm@compuserve.com)

**6/29/00 FOR SALE: DUAL-BAND RIG**  
Ron, K4RKA, has a potential 10 meter (11 meter now) vertical gain antenna plus three 220 MHz antennas, 2 meter J pole, and a 450 MHz J-pole (from KA3NXN). Call 804 973-3640.

<b>6/29/00 FOR SALE: Ringo Ranger</b>	Rick, KO4WQ, will have a 2-meter Ringo Ranger for sale within a couple of weeks. If interested call him at 804 823-1128
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## FCC Database Updates

### New Calls!

<b>KG4IHO - Technician</b>	Douglas L. Whitman, Charlottesville
<b>K2ULW - Advanced</b>	Raymond R. La Falce, Afton
<b>N2QBQ - Technician</b>	Mary Ann La Falce, Afton
<b>KG4IHR - Technician</b>	Chad Y. Mullikin, Fredericksburg
<b>KG4IJB - Technician</b>	Charles R. Byam, Jr.
<b>KG4IFG - Technician</b>	Andreq J. Modic, Charlottesville

### Upgrades

<b>WB5BNT - General</b>	Tommy L. Moore, Sr.
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## VE Session Schedule - 2000

<b>July 1 Fredericksburg</b>  <b>(W5YI VEC) VDEN ARC</b>	Edward A. Forman (540) 439-0568 EFORMAN@EROLS.COM 9:30 AM (Walk-ins allowed) <b>PRE-REGISTRATION REQUESTED</b> Location: Salem Church Library-Mtg Rm B 2607 Salem Church Rd Fredericksburg, VA 22407
<b>July 9 Bedford</b>  <b>(ARRL/VEC) Bedford ARC</b>	Judy Friel (804) 525-6142 2:00 PM (Walk-ins allowed) Location: Bedford Central Library 321 N. Bridge St. Bedford, VA 24523

## Birthdays This Month

<b>July 1</b>	<b>KD4IGX</b>	<b>E. J.</b>
<b>July 1</b>	<b>K4RKA</b>	<b>Ron</b>
<b>July 1</b>	<b>K2AOE</b>	<b>Ken</b>
<b>July 4</b>	<b>W2HTJ</b>	<b>Mella</b>
<b>July 6</b>	<b>KF4FYI</b>	<b>Grayson</b>
<b>July 7</b>	<b>K4ISW</b>	<b>Lee</b>
<b>July 15</b>	<b>KA4VMP</b>	<b>Ed</b>
<b>July 16</b>	<b>KE4UKY</b>	<b>Matt</b>
<b>July 16</b>	<b>KE4UKX</b>	<b>Mike</b>
<b>July 16</b>	<b>N3DFS</b>	<b>Vic</b>
<b>July 23</b>	<b>AD4GK</b>	<b>David</b>
<b>July 23</b>	<b>KF4FRO</b>	<b>Marty</b>
<b>July 29</b>	<b>KF4RKQ</b>	<b>Andy</b>
<b>July 29</b>	<b>K2SSB</b>	<b>Stan</b>
<b>July 39</b>	<b>KE4IBC</b>	<b>Adrienne</b>

July 2000

**Albemarle Amateur Radio Club**  
P.O. Box 6833  
Charlottesville, VA 22906  
<http://members.aol.com/wa4tfz/aarc/default2.html>



**THE AARC BEACON**  
Vol 2000 No. 7  
July 2000

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

**Contact Information**

Daniel R. (Bob) Dorsey, Jr. K4UVT  
PO Box 977  
Charlottesville, VA 22902-0977  
(804) 990-2659  
K4uvt@yahoo.com or bdorsey@cstone.net

TO CORRECT LABEL INFORMATION CALL PHONE 973-1738: Your License expires... Oct 31, 2004 DYA  
KA4JJD G 2000 **CURRENT MEMBER**

**Michael F. Rein**  
109 Sturbridge Rd.  
Charlottesville VA 22901

\*\*\* Next Club Meeting \*\*\* July 1

**CLUB MEETINGS and NETS**

**REGULAR Meeting:** Second Tuesday of each month at 7:30 PM  
**BOARD & TECHNICAL Meetings:** First Tuesday of each month at 7:30 PM  
Meetings are held at the National Radio Astronomy Observatory (NRAO) building on Edgemont Road (UVA)  
**LUNCHEON:** Wednesdays -- Area hams gather at the **Old Country Buffet** (OCB) next to TOYS R US on Rte 29 North from 11 AM - 1 PM  
**Monday Night Information Net** -- Each Monday at 7:00 PM  
**YL Net:** First Monday of each month at 8:30 PM  
**Northern Piedmont Emergency Net / Swap Net / Technical Session:** Each Thursday at 8:00 PM  
**All Nets are held on the 146.760 repeater**

**WA4TFZ REPEATERS**

**INPUT/OUTPUT**      **Tone Access (If needed)**  
**146.160/146.760**      **88.5 Hz**  
(If tone is enabled, you can turn the tone off and back on temporarily by:  
Temporary Tone OFF      DTMF 325\*  
Remove Temporary Tone OFF      DTMF 326\*  
Time      DTMF 10\*  
Tone Status of Repeater      DTMF 700\*  
  
146.325/146.925      88.5 Hz (if enabled)  
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

**AARC CALENDAR OF EVENTS**

DATE	EVENT
July 11	Regular Club Meeting
August 8	Regular Club Meeting
September 12	Regular Club Meeting
October 10	Regular Club Meeting
November 14	Regular Club Meeting
December 12	Regular Club Meeting

**AARC - PUBLIC SERVICE SCHEDULE**

DATE	EVENT
July 7	Bike Virginia
July 16	James Madison Bike Stage Race
November 5	Montpelier Horse Races

Please sign up at meetings when the SIGN UP CLIPBOARD is passed around. You can also send an email to Greg (N4PGS) indicating your interest in working particular events.



STAMP  
COOL-lectin  
IT'S HOBBY FORM  
1999 NATIONAL  
COLLECTIVE



Affix First Class  
Postage Here