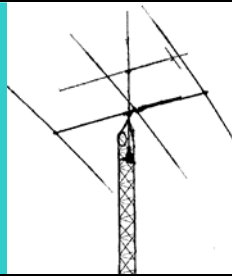


The AARC Beacon



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

Volume 2008, No. 3



March 2008

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Meeting Notice

The next regular AARC meeting will be held on **March 11th at 7:30 PM at the NRAO building on the UVA campus.** Our presentation will be by Alan Swinger, K9MBQ, on **grounding and lightning protection for amateur equipment.**

It should be very interesting. See you there!!

Dues are Due!!!

2008 membership dues are now due. Please make payment to the AARC Secretary. **There is no increase since last year.** Club members who are renewing membership please use the short form. **Checks are requested.**

The President's Letter

Dave, K4DND

March is here and if the old adage about coming in like a lion holds true, everyone should take this opportunity to go outside and do a visual inspection of your antennas. This is particularly true with respect to wire antennas. Since trees haven't started to leaf out it is a good time to see how well the ropes have survived the winter. I know I will have to replace the ropes on my 80M Carolina Beam Windom this spring. I remember when I first put this antenna up several years ago. Since then, I have replaced both wire arms of the dipole twice and the ropes once. It still works great and I anticipate many more years of service.

Speaking of remembering, remember when Joe Fritz, KD4RWX was club secretary? Every year, Joe assembled and printed a club directory that contained all the regional amateurs listed by call suffix. This list included the postal address, phone number, email address, license class, expiration date, whether or not the person was a club member, and if so, the year they first became a member. Joe also included a list of names and call signs of regional amateurs listed by town or more appropriately, by post office.

The last club directory that Joe produced was for the year 2000. That year, I splurged and bought two copies, one of which I recently passed on to Alan K9MBQ. The other is open on my desk as I write this column. It is tattered, has a lot of pen and pencil additions, call sign changes, and so forth, but for me, that 8 year old club directory is still useful. Here is your trivia quiz of the month. Can you name all the club officers for 2000? Can you name any of them?

Bob K4DU was President, Dick W4BZW was VP, Sharon KO4OC was Treasurer, and of course Joe was Secretary. Directors that year were Mike N4HRO, Mike AC4ZQ, Elmer KF4UCI, Pete KC4UCK and Jimmy K4JMY. I bet there are many current members who won't recognize all those call signs.

Back to Joe's club directory. Let's consider the state of things as revealed in that 2000 club directory. By going through the list of amateurs listed by town (post office), there were 515 amateur call signs in the region served by the Albemarle Amateur Radio Club. Of those 515 amateurs, 108 or almost 21% were AARC members.

Today, in that same list of towns, there are 692 call signs (an increase of 177 amateurs or 34%) over the 8 year period. Of those 692 amateurs, only 55 or just fewer than 8% are currently members of the AARC. Our task is clear. We need to increase membership in the AARC by recruiting new members, and we also need to do it by encouraging old members to come back and again be part of the AARC. This is a job which is not just the responsibility of your club leadership; this is the responsibility of each and every club member.

To give you an idea of how we might go about this, consider the following table. This list is the same list of locations that Joe used to construct his regional listing by town back in 2000 with the current (2008) number of licensed amateurs for each of those locations. Look for your jurisdiction, see where you fit into this table and you will have some idea of how you might begin to assist the AARC in its growth.

Location	# of call signs
Afton	18
Barboursville	12
Blue Ridge	24
Buckingham	6
Charlottesville	263
Covesville	1
Crozet	15
Dyke	5
Earlsville	25
Fishersville	11
Fork Union	1
Free Union	6
Gordonsville	15
Greenwood	5
Howardsville	2
Ivy	5
Kents Store	7
Keswick	10

Louisa	30
Lovingston	2
Madison	15
Mineral	37
Nellysford	1
New Canton	5
North Garden	4
Orange	27
Palmyra	49
Rochelle	2
Roseland	6
Ruckersville	21
Schuyler	4
Scottsville	18
Shipman	6
Somerset	2
Stanardsville	15
Troy	17

Do a search on www.qrz.com, or any other database to which you have access, and get a list of the licensed amateurs in your area. If you can't do this, let me know, I will print out a list for your jurisdiction. Then make some calls. Hand out some club membership applications. Invite your neighbor amateurs to the next club meeting and encourage them to join us in the AARC.

If each of us brings one new member to the club, we will surpass the number of members we had back in the year 2000. And if each of us brings two new members to the club, we will exceed any previous membership numbers in the history of the AARC.

Look, this is not just about numbers. It is about having an organization that interests, attracts and keeps members, and is therefore representative of our amateur community as a whole. That is the sort of club that I want to be a member of and I am sure that is what you want also.

So let's get started. Bring someone with you to the March meeting. We have fun and interesting things coming up in all aspects of AARC activities, as well as an interesting topic to be presented by Alan K9MBQ. I look forward to seeing you and your guest or guests, March 11, 7:30PM in the NRAO auditorium.

73 de K4DND

Veep Peeps

Mike, K14RIX

Dear Friends --- As spring approaches, we begin to look forward to the many activities that come with the spring and summer months ahead. From Field Day to the many public service events that are rapidly approaching, this year will continue to be an exciting one for the Albemarle Amateur Radio Club.

The AARC participated in FrostFest this past February, and many club members came out and had a great time. The club table sold a number of items for members, raising both money and awareness for the club among Virginia hams. I know I had a great time, and I am looking forward to next year's show.

The March meeting will be headlined by a presentation by Alan Swinger, K9MBQ, on grounding and lightning protection for amateur equipment. As anyone who's had a lightning strike knows, it is extremely important to protect our equipment from Mother Nature. This presentation should clear up some common myths and "enlighten" us on how to keep our shack safe. Looking ahead to April, Brian Justin, WA1ZMS, and Geep Howell, WA4RTS, will be speaking on their recent work in the microwave amateur bands. Look for more on this in next month's column.

The National Radio Astronomy Observatory's Open House will be taking place Sunday, April 27th at the Edgemont Rd. location on the Grounds of the University of Virginia. I will be organizing the AARC's participation in this event, and would be grateful to anyone who can come out and help out at the table. **We will have an HF station set up outside and will be making contacts all day.** There will be plenty of other fun activities as well, including sun-gazing, demos of some very cool EHF radio equipment, and of course plenty of the kids to do - so stop on by!

Finally, an update on W4UVA. As I write this, we just placed an order for \$700 worth of antennas and an antenna tuner for our shack, which is located up at U.Va.'s old nuclear reactor building. We are hoping to get this equipment installed in the next couple of weeks. Additionally, we will be applying for funding to purchase a new HF radio for our shack, as well as other necessities. This money should be available for us by the fall. If you'd like more information on W4UVA, please let me know.

As always, please feel free to e-mail or call me if you have any questions, comments, concerns, or complaints, or if you'd like to present (we're always looking for presenters!) See you at the March meeting!

Best regards,

Mike Benonis K14RIX

AARC 444.250 Repeater

Gordon, WW4GW

The AARC's 444.250 repeater is "On The Air" at Martha Jefferson Hospital with a 151.4 PL tone. This repeater provides coverage throughout Charlottesville and into the surrounding counties, and provides for a "Remote Base" operation into other 2m repeaters. The following

command codes will allow you to access the repeater and its remote base functions.

NOTE: You will notice that quite a few 2m repeaters have been programmed into the remote base radio and the repeater controller memories. At this time we should only use the remote base function to access the clubs' repeaters (146.760 and 146.925), Dave Damons' repeater (145.450) and the Buckingham repeater (146.790). The Technical Committee feels that it is good Amateur Radio practice and common courtesy to obtain the permission of repeater owners/trustees before we link into them. We will be obtaining the permission to link into the other repeaters as soon as possible, and will update the "permission list" as necessary.

AARC 444.250 Repeater with Remote Base – MJH

Repeater Control Codes

B10* Normal Mode
B20* Tone Off
B11* Net Mode
B21* Tone On
B12* Crossband Mode (Linked To Remote 2m Base)
A00* TX Off
B13* Reserved
A11* TX On

Controller Memory

Radio Memory

1	146.760 repeater Charlottesville AARC	1
2	146.925 repeater Charlottesville AARC	2
3	147.075 repeater Waynesboro	3
4	147.120 repeater Culpeper	4
5	145.170 repeater Fluvanna	5
6	147.330 repeater Lexington	6
7	146.685 repeater Rustburg	7
8	146.790 repeater Buckingham	8
9	146.880 repeater Richmond	9
	147.540 Simplex (Default Freq)	10
	145.450 repeater Charlottesville K4DND	11
	145.490 repeater Amherst	12
	146.895 repeater Charlottesville	13
	147.195 repeater Lynchburg	14
	147.270 repeater Goochland	15

To access the Controller Memory locations: Place system in Crossband Mode (B12* - see above command list) Use DTMF command A75x with x being the controller memory position 1 thru 9.

To access the Remote Radio Memory locations:

Place system in Crossband Mode (B12* - see above command list). Use DTMF command A771x with x being the Radio Memory location 1 thru 15

When the link is established you will receive a voice announcement "Link Connected" and the courtesy tone will change to Morse "L" – **don't forget to disconnect the link when you are finished** – command B10* - see above command list. You will receive a voice announcement "Link Disconnected", the normal courtesy tone, and the remote

base radio will be set to the default frequency of 147.540 simplex.

Legislative Update - 2008 General Assembly Session

Marty Mait, AG4DN

During this current legislative session in Richmond a bill was introduced (HB 904) that if passed in its current form would have had a very negative impact on amateur mobile operations. The wording in this bill would place a restriction on use of a "mobile telephone or other electric telecommunications device, while operating a moving motor vehicle on any public highway in the Commonwealth unless such mobile telephone or other wireless electric telecommunications device is equipped with a hands-free accessory."

The bill referred to the House of Delegates Committee on Militia, Police and Public Safety. It was further referred to a subcommittee where it came out of subcommittee with a recommendation that the bill be "continued." The full committee accepted the recommendation and that is the current situation. The bill is dead for this session of the General Assembly. Since the bill was "continued," we can expect it to raise its head again next year in some form. Much to our regret, no members of the Committee are from this geographic area and the sponsor of the bill is from Virginia Beach.

We intend to follow developments over this year and make necessary contacts with the appropriate legislators concerning the negative impacts of such a broadly worded piece of legislation.

*Marty Mait, AG4DN
VA Section Legislative Liaison*

Club Business

Submitted by: Marty Mait AG4DN, Secretary

AARC Board Minutes February 19, 2008

Dave Damon opened the meeting to discuss content of Committee reports to be given at the general meeting, motions for funding for the BoD and for the general meeting, and to agree on the agenda for the meeting. The BoD was held at the NROA building.

BoD members present: Dave - K4DND (Pres), Mike - K14RIX (VP), Alan - K9MBQ (Secy), Don - N4UVA (Treas), Dennis - K4THE (Dir), Jay - K4AZV (Dir), and Gordon - WW4GW (Dir). Key discussion items were as follows:

- Reports were presented by the following committees: Technical - Gordon WW4GW, Activities - Jay K4AZV, Education - Dennis K4THE, Fund Raising - Dave K4DND in the absence of Linda KI5LLB.

- There is currently no Publications Committee chairperson. Dave asked for all present to suggest nominees prior to the March meeting. This vacancy also affects the club's inability to obtain publicity for our community service events since that is also a function of this committee.
- Documents of Understanding (DOUs) have been signed for the three repeater sites with Martha Jefferson Hospital, Williams Gas Pipeline, and Kluge Estate Winery and Vineyard. These are on file with the club secretary.
- The Frost Fest in Richmond raised \$106 for the club.
- The club has a liability insurance policy in place to cover up to 100 members for \$1M for all club related events and travel to/from.

Motions made:

- Replace 925 repeater duplexer by expending \$100 to purchase Tim's (K4HOT) duplexer and restore the repeater to operation - BoD approved.
- Continue to award two \$75 checks to worthy Science Fare projects - BoD approved expenditure.
- Procure two new antennas to replace the 2M and 440 antennas on Heard mountain with an expenditure not to exceed \$400 - BoD approved taking this motion forward to the general membership meeting for discussion.
- Forward a check for \$300 fee and with request to the IRS for AARC Non-Profit status - BoD agreed to forward to General Membership for approval.

The meeting was adjourned.

Submitted by: Alan Swinger K9MBQ, Secretary

Regular Meeting February 19, 2008

The February 2008 AARC regular monthly meeting was convened at 7:30PM by Dave Damon (K4DND), club President, at the NRAO building in Charlottesville, VA. The minutes of the December 2007 and January 2008 meetings were approved as they appear in the January and February issues of the Beacon without discussion or change.

Prior to beginning the formal meeting agenda, Dave introduced Laurie Clark, special events coordinator for NRAO, for a briefing and discussion of the **Sunday, 27 April, NRAO Open House**. The event will run from 11:00 AM to 4:00PM and **AARC will participate by setting up an HF station in the parking lot using Grote Reber's call sign W9GFZ** now held by the NRAO ARC. Over 1200 people are expected so this is a good opportunity for AARC publicity and to gain new members. NRAO will print a special event QSL card for the station and we expect to use the AARC address for incoming QSLs. **NRAO will provide a post-event dinner for participants, so sign up with Mike (K14RIX) to assist.** Expect this to be in QST if we submit by end of Feb.

Don Eason (N4UVA) presented the Treasurer's report, showing a balance of \$5142.31 on hand. He also noted that

AARC has established a new bank account at Bank of America and that he and Alan (K9MBQ) are the co-signers.

Mike Benonis (K14RIX) noted that post-meeting presentations on tap are Grounding and Lightning Protection in March and a Microwave discussion in April. He also mentioned that UVA has sanctioned a club station (W4UVA), with Mike as the President. Lee K4ISW is the trustee of the W4UVA call sign. It is located in the Reactor building.

Committee reports followed.

Activities – Jay (K4AZV):

- **Jefferson Cup Bike Race** – sked for 30 Mar; K4AZV to lead, but needs many volunteers. Contact Jay to sign up.
- **MS150 Bike tour** sked for 7-8 June; need a lead person for this event – contact Jay.
- **Field Day** – last weekend in June; a fun event for which we need a good member turnout.
- **Other items:**
 - AARC needs to consider cost sharing of fuel expenses for members supporting various events.
 - ICOM was very helpful in repeater repair; suggest a thank you note from AARC – K4AZV to submit a draft letter for club to send.
 - AARC consider purchase of Emergency Combs vests for members participating in emergency comms – K4AZV to obtain pricing for next meeting.

Education – Dennis (K4THE):

- Reported on the first meeting of the Education Committee
- Circulated a list to get a sense of member desires for further education
- Circulated a list to gain volunteers to help the Boy Scouts and form Elmer groups.

Fund Raising – Linda (K15LLB); Dave (K4DND) represented:

- \$106 generated from AARC participation in the Richmond Frost-Fest. Thanks to Linda, Steph (K4BMM) and Jay (K4AZV) for their support of this event.
- Meeting raffle will be postponed until the Mar meeting.

Technical – Gordon (WW4GW):

- Documents of Understanding (DOUs) have been signed with repeater site owners – Martha Jefferson Hospital, Williams Gas Pipeline, and Kluge Estate Winery and Vineyard.
- The 925 and 220 repeaters are being repaired and will be back in operation when ready
- It was moved and approved to spend up to \$400 to replace the 2 M antenna and add a 440 antenna at Marshall Manor.
- The membership also approved that the club buy a set of 2M duplexer cans from Tim for \$100.

Publications – Vacant; need a Director – volunteers sought!

- Website work is on going by Cayman (KG4OVD) with support from Ed (KF4UTD); expect completion by June.

- Need a publicity chairman (PIO) so AARC can get public recognition for support of public service events; nominations sought and welcome!
- W2HD and K2SSB will serve on the PC.

Old Business:

- Bud Bezell was recognized as an AARC Life Member.
- Life Members attending were recognized and were: W2HD, W2PVY, and KB4JNI.
- Recognition Certificates for club service were presented to AD6JV and N3DFS.
- AARC is working to update the membership list.
- We have a Liability Insurance policy that covers member participation in events and travel to/from; will be renewed this summer.
- Dave is in the process of building a list of members who are SK.

New Business:

- Bill (AD6JV) noted that the Science fair is coming up and that he suggests continued AARC participation and support. The BoD approved two \$75 awards to worthy Senior and Junior projects. Bill also asked for assistance from members in judging these projects – please contact Bill if interested.
- In order to formalize AARC status as a Non-Profit organization with the IRS, the club must apply for status change along with a \$300 fee. It was moved and approved to expend these funds for this purpose.

The club accepted and welcomed 3 new members – James Owens K4CGY, Andre Berkin K14NTM, and Martin Wanberg W4MBW.

The meeting was adjourned. Gordon (WW4GW) presented a very interesting discussion of worldwide time standards. The next AARC meeting is planned for 7:30PM on 11 March in the NRAO building.

Submitted by: Alan Swinger K9MBQ, Secretary

K8EV - SK

Richard Dale, K8EV recently became a Silent Key. He was a long-time AARC member, and will be missed by those who knew him.

ARRL Propagation de K7RA

From ARRL Bulletin ARLP009

A sunspot emerged a few days ago, a welcome sight at cycle minimum. Sunspot numbers for February 25-28 were 12, 13, 12 and 12, but that spot (number 983) is now gone, over the eastern horizon of our Sun. If the February 29 sunspot number is 0, this means our three month moving average of sunspot numbers

centered on January will be 8.5, slightly higher than the last reading. Our moving average centered on June 2007 through January 2008 is 18.7, 15.4, 10.2, 5.4, 3, 6.9, 8.1 and 8.5, with the minimum centered on October 2007.

A 13-month predicted smoothed sunspot table from NOAA at <http://www.swpc.noaa.gov/ftplib/weekly/Predict.txt> shows a combination of known and projected values. On February 6, when this was released, the August 2007 value represents mostly known values, because January's actual sunspot numbers are known. All that is missing is February, which has a predicted value, averaged in with the previous months. November's value is made up with three fewer months of actual values. Next week a new table should be released.

Remember that a sunspot number does not represent the actual number of sunspots. The minimum non-zero sunspot number is 11, because a value of 10 is counted for each cluster of sunspots, and a value of 1 is added for each individual spot. So the February 26 sunspot number of 13 represents one group containing three sunspots.

This week geomagnetic conditions have been quiet, until yesterday when the effects of a solar wind stream were felt, taking the planetary A index to 22 and K index as high as 4. This moderate disturbance should decline, with a predicted planetary A index at 15, 10 and 5 for January 29 through March 2. Our next unsettled period should be March 8, 9 and 12. Geophysical Institute Prague predicts unsettled to active conditions February 29, unsettled March 1-3, quiet to unsettled March 4, and quiet March 5-6.

For the ARRL International SSB DX Contest this weekend conditions should be good (no geomagnetic storms), but probably no sunspots. We are just a few weeks away from the Spring Equinox, always a great time for HF propagation. It would be nice to have some sunspots as well.

On February 24 Jon wrote, "VP6DX's consistent coverage of 10 and 12 meters, high power and good antennas allow the MUF to be tracked with reasonable precision. Today for example, the 12 meter SSB and CW stations were booming into Kansas at 2100 UTC. Yet the MUF fell short of 28 MHz. But a few minutes later the 10 meter station could be heard weakly, almost like 6 meter scatter. One can review the packet cluster spots for VP6DX on various bands and get an approximate view of the MUF and LUF between Ducie and various parts of the world. Even different parts of the lower 48 states experience different propagation.

Florida, Texas and California seem to have far more 10 meter propagation to Ducie than other parts of the country."

Joe Reisert, W1JR of Amherst, New Hampshire sent an interesting report about fun he had recently with QRP. Joe wrote, "The last two weeks have been pretty exciting for DX'ers. The Ducie Island DXpedition operating as VP6DX gave us all lots of time for checking propagation over a reasonable distance. It also gave lots of moderate to down right small stations a chance to try out their gear and see if they could work a real rare DXCC entity."

He continued, "I decided to see how well VP6DX was able to hear QRP. By the time they shut down, I had worked them on CW, SSB and RTTY all with only 4 watts at my transmitter. Next I tried different bands with QRP. When I finally worked them on a rare (at this time of year) Sporadic E opening on 10 meters, I had a two way with them on all eight bands from 80 through 10 meters in less than 2 weeks. This was all done with modest antennas such as a 3 element Yagi up only 50 feet and never exceeding 4 watts at the transmitter. My hat goes off to the superb VP6DX operation. It shows what can be done with a small station."

Sunspot numbers for February 21 through 27 were 0, 0, 0, 12, 13 and 12 with a mean of 5.3. 10.7 cm flux was 71.8, 72.4, 71.6, 70.7, 71.4, 70.7, and 70.7 with a mean of 71.3. Estimated planetary A indices were 6, 4, 4, 3, 3, 3 and 12 with a mean of 5. Estimated mid-latitude A indices were 3, 3, 3, 2, 1, 2 and 6, with a mean of 2.9.

Contest Highlights - Upcoming

Bob, W4RQ

ARRL-Sponsored Contests

Mar 1-2	ARRL DX Contest - SSB
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Complete info, rules and log forms for these events can be found online at the ARRL Contest Calendar webpage.

Other Contests of Interest

	?
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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	
February 2 Richmond	<p>Virginia State Convention (Frostfest) 2008</p> <p>Sponsor: Richmond Amateur Telecommunications Society Location: Richmond Raceway Complex 600 East Laburnum Avenue http://www.frostfest.com Talk-In: 146.28/88 (PL 74.4) Contact: Lee Ann Horton, W4QCO Email: chair@frostfest.com</p>

FCC Database Updates	
New Calls	
None Reported	
Upgrades	
None Reported	
Vanity Calls	
None Reported	

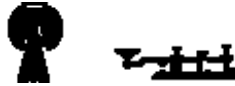
VE Session Schedule - 2008	
Date Location (ARRL VEC)	For exam sessions in Virginia outside the AARC area, check the ARRL Exam Session Search web page.

For Sale Items	
For Sale	Kenwood TS-520S SSB xvc, 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.
Wanted – Tube Stereo	Wanted: tube stereo equipment, particularly Fisher. Carter, WD4AYS, (434) 979 7383, celliot14@earthlink.net

AARC Club Officers			
President	Dave Damon	K4DND	k4dnd@arrl.net (434) 973-5866
Vice President	Mike Benonis	KI4RIX	mjb8h@virginia.edu (703) 577-3788
Secretary	Alan Swinger	K9MBQ	awswinger@earthlink.net (434) 975-6237
Treasurer	Don Eason	N4UVA	deason@comcast.net (434) 973-9119
Director	Dennis Mennerich	K4THE	k4the@arrl.net (434) 973-5407
Director	Linda Beard	KI5LLB	lindaskyone@earthlink.net (434) 823-2107
Director	Jay Rostow	K4AZV	k4azv@turing.org 434-263-5795
Director	Bill Phillips	AD6JV	billp1048@earthlink.net 434 872-0686
Director			

Contest Calendars	
ARRL Contest Calendar 2008	ARRL sponsored contests
SM3CER Contest Service - Calendar 2008	Contests all over the world! Also has links to online rules for most contests
Contesting Online	Just about everything contests!

Albemarle Amateur Radio Club
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<http://www.albemarleradio.org/>



THE AARC BEACON
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ISSUE DEADLINE - 25th of each month

Contact Information
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PO Box 530
Ruckersville, VA 22968-0530
(434) 990-2659
W4RQ@yahoo.com

Next Club Meeting : March 11 - 7:30 PM NRAO Bldg - UVA Campus

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 / Swap Net / Technical Session: Each Thursday at 8:00 PM
All Nets are held on the 146.760 repeater

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

Other Area Repeaters

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

AARC CALENDAR OF EVENTS

DATE	EVENT
March 11	Regular Club Meeting
April 8	Regular Club Meeting
May 13	Regular Club Meeting
June 10	Regular Club Meeting
July 8	Regular Club Meeting

AARC - PUBLIC SERVICE SCHEDULE

DATE	EVENT
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Bill, AD6JV is the primary contact for Public Service events and Emergency Communications. Contact Bill for info on particular events.

Membership application available in PDF format at http://www.albemarleradio.org/members/AARC_member_application.pdf