

Editor: Joseph D. Fritz, KD4RWX

CHARLOTTESVILLE (Albemarle County) VIRGINIA

Dear AARC member, February 1, 1995
Please take time to look carefully at your mailing label for this issue of the **AARC BULLETIN**. See if it indicates if your AARC membership has expired. The dues were due on or before January 1st. The AARC Bylaws require that I notify you one month later if you have not paid for 1995. This is that notice.

I have been advised by the Editor of the **AARC BULLETIN** that this will be **YOUR LAST ISSUE OF THE NEWSLETTER**, if you have not renewed by February 20th. Directories are provided to Members and Subscribers.

We value your association with the AARC and hope that you will continue being a part of the Amateur Radio community through your club membership.

If your membership has expired and you wish to RENEW, then please complete the RENEWAL FORM and Make your check payable to: Albemarle Amateur Radio Club. Then mail both the RENEWAL FORM and the check to:

Joseph D. Fritz
2306 Williamsburg Road
Charlottesville, VA 22901-1431

Thanks for your past support.
Sharon Duvall (KO4OC), AARC Treasurer

SHARON DUVALL, KO4OC - TREASURER
ALBEMARLE AMATEUR RADIO CLUB
P.O. BOX 6833
CHARLOTTESVILLE, VIRGINIA 22906

U. S. POSTAGE

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CENTS

FINAL
RENEWAL
NOTICE

CORRECTION OF LABEL INFORMATION REQUESTED TO CORRECT CALL PHONE 973-1738
1994 NOTICE: YOUR MEMBERSHIP HAS EXPIRED

**PLEASE REFER TO YOUR MAILING
LABEL ON THIS NEWSLETTER.**

1995 MEMBERSHIP RENEWAL FORM

IT IS TIME TO RENEW YOUR MEMBERSHIP WITH THE AARC. THE DUES ARE LISTED BELOW:

(Please circle the dollar amount(s) for memberships renewed and complete the table below)

Regular: Single Adult Membership:..... \$15 Two or More Adults in Same Household: \$20
Youth: Not Yet 18 years old on January 1: \$0 Subscription Only:..(See note below).... \$5 TOTAL AMOUNT OF CHECK =

Subscription Only: Anyone who is unable to actively participate in the Club because of great distance or health problems may receive the Club's newsletter and Directory for an annual fee to cover costs. That fee is set by the Board and will be \$5 for 1995.

Complete the following for EACH PERSON RENEWING. Remove this sheet and mail it with your Dues

Make your check payable to: Albemarle Amateur Radio Club Include **THIS PAGE** of the AARC Bulletin and MAIL both to:
Joseph D. Fritz, 2306 Williamsburg Road, Charlottesville, VA 22901-1431

NAME	Amateur	License	ARRL Member	Birthdate (mo/da/yr)	PHONE	PHONE
Called name Last name	CALL	CLASS	Yes/No.	(optional over 18)	HOME	WORK
				/ /		
				/ /		
				/ /		
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FEBRUARY CLUB MEETING

Hein (N4FWA) and Leroy (WA4MHP) will be discussing ARES and Martha Jefferson Hospital's Disaster Drill
TUESDAY FEBRUARY 14, 1995 7:30 PM

National Radio Astronomy Observatory Auditorium On the Grounds of the University of Virginia

FOR SALE or WANT

* UPDATED 26 January 1995 *

FOR SALE: 8088 COMPUTERS

The AARC has available 8088 8MHz computers, dual floppy, Sperry Hi Res monitor, and keyboard for \$100 each. One monochrome IBM computer is available for an even lower price. If interested please contact Ron, K4RKA, at 973-3640, on WA4TFZ PBBS, .76, .925, 223.5 or the 440 repeater.

WANTED: a 2M mobile.

Call Jessie, KE4OID- 804 589-1904.

WANTED: National Receivers and Scanner:

I am looking for National receivers. I would also like to obtain a **handheld scanner**- If you have any or all of these items please contact me at phone number: 804 979-7383. Carter Elliott, WD4AYS.

FOR SALE: MAC FLOPPY & TRACK BALL

1/12/95 Rick, KO4WQ, is offering a 400k external floppy disk drive and a track ball for a Macintosh computer. Call him at 823-1128.

FOR SALE: EPSON WIDE CARRIAGE PRINTERS

1/12/95 For benefit of AARC, Epson FX100 wide carriage printers, \$35 each. Contact Ron, K4RKA, on the repeaters or at 973-3640 evenings/weekends.

WANTED: 2M/440 HANDHELD

1/19/95 Carter, WD4AYS, is looking for a 2 meter / 440 MHz handheld. If you have one which you want to sell, call him at 979-7383.

FOR SALE: HEATH HF RIG

1/26/95 Heath HF station. SB 303 Receiver and SB 401 transmitter. 80 through 10 meters. (does not cover the new bands) CW and SSB Works FB \$250 or make offer. Contact Gordon WA4FJC @ WA4TFZ or (703) 248 2732... Thanks.. Gordon

FOR SALE: 10 METER RIG

1/26/95 I have for sale a 10 meter Radio Shack HTX-100, excellent condition, box and manual, plus mounting bracket. \$80.00. Call 942-3272 or leave message for N4XPW @ N4YRZ BBS. Thanks, Denny.

FOR SALE: KANTRONICS KAM+

I've got an essentially new Kantronics Kam+ with the new Version 7.1 Eprom and the latest version of KAGold, the ultimate software package for this setup. I've had no problems with it whatsoever and I'm using it now. I want to sell it to upgrade to a satellite compatible DSP system like the AEA DSP2232. There's \$410.00 in the setup. Make me an offer. You can call me on 146.760 or call me at home (293-6376). Thanks. Stacey Mills (WB4QKT)

KB4OLM DXCLUSTER UPDATE

Greetings Dxcluster users, with the hard work of KB4OLM, WB4PJW KO4EA, KC4DY, AA4PB, N4SR and others. Many changes have been in progress for our local dxcluster network. First of all a new backbone system has been setup with new nodes in better locations. Secondly, the backbone frequency for linking the other clusters south of us has been changed to speed up traffic from N4SR. Also, a new user node has been set up for the Charlottesville-Albemarle area.... 145.67 KC4DY-2 (DXBRDN). Give it a try and let KB4OLM or WB4PJW know how it's working for you.....GOOD DX...John (KC4RRY)

WU4G DXCLUSTER NEWS

KG4W 18-Jan-1995 2105Z WU4G CLUSTER FACTS/PLANS PURSUANT TO OUR MEETING AT THE FROSTFEST WE ARE SENDING THIS MESSAGE OUT OVER OUR NEWLY CREATED DISTRO LIST-VDXCG (VADX CLUSTER GROUP). THIS MESSAGE IS INTENDED TO GIVE A "OVERVIEW" OF THE WU4G CLUSTER AND THE FREQUENCIES WE NOW USE PLUS PLANS FOR ADDITIONAL FREQS.

THE WU4G CLUSTER HAS ITS GEOGRAPHICAL CENTER APPROXIMATELY TEN MILES NORTH OF RICHMOND VIRGINIA. THE SYSTEM SERVES 109 +/- REGULAR USERS (REG = USERS HAVING LOGGED IN SINCE NOV 1994). OUR PRESENT USER FREQUENCIES ARE-

FREQUENCY	NET/NODE	AREA SERVED	COMMENTS
145.59	YES = DXEHJ	NORTH & WEST	APRIL = MOVE FROM 145.59 TO 145.75
144.95	YES = DXRIC	SOUTH	PLAN TO STAY ON 145.75 NOTE: WE HAVE USER ANTENNAS AT THE CLUSTER SITE ON BOTH FREQS LISTED ABOVE & IN ADDITION HAVE 1 NET NODE ON EACH FREQ.
445.275			PLAN TO USE ONE OF THESE THREE FREQS FOR A NEW USER PORT ON 440. NOTE: WE'RE IN THE MARKET FOR A 440 RIG. 441.200 PRESENTLY IN USE FOR "LINK" FOR WU4G CLUSTER PLUS EASTERN VA. CLUSTERS TO LINK TO FREDRICKSBURG.
441.200			
445.475			

NOTE: THE BACKBONE LINK BETWEEN RICHMOND & FREDRICKSBURG WILL SOON CONVERT TO 220, POSSIBLE FREQ CHOICES = 223.560 OR 223.850 BUT THE KC4YX CLUSTER WILL PROBABLY MAKE THE FINAL FREQ SELECTION & WILL BE SPOKEN TO IN THEIR "DISTRO MESSAGE".

EVEN AFTER THE BACKBONE CONVERSION TO 220, ALL THREE OF THE 440 FREQS LISTED ABOVE WILL STILL BE IN USE IE- ONE FOR CLUSTER WU4G TO REACH THE SITE WHERE THE 220 CKT STARTS, ONE FOR THE EASTERN CLUSTERS TO REACH THE SITE (IN RICHMOND) WHERE THE 220 LINK STARTS AND THE THIRD FOR THE NEW 440 USER PORT ON CLUSTER WU4G.

FREQ 145.59 PRESENTLY IN USE AT WU4G WILL BECOME AVAILABLE IN APPROX APRIL WHEN WE MOVE FROM IT TO 145.75 (BECOMES AVAIL WHEN CLUSTER AB4MJ CLOSES DOWN). FREQ 145.59 PRESENTLY HAS DX CLUSTER W3LPL IN MD. ON IT ALSO.

This message placed on the WA4TFZ PBBS for the Charlottesville-Albemarle area radio amateurs by John (KC4RRY)

THE PRESIDENT SPEAKS

Many thanks to Rick (KO4WQ) for the many hours that he put into the planning of last month's Winter Dinner Meeting. I hope that everyone had as an enjoyable meal and as good a time as we had. Thanks also go to Joe (KD4RWX) for producing and presenting the service awards and to Greg (N4PGS) for presenting The President's Award, and Jessie (KE4OID) for presenting her Elmer Award. Congratulations to all those receiving awards. You all deserved them.

I would like to take a moment and thank all those people that have worked in assisting the new amateurs in the community to obtain their amateur tickets. This starts with the encouragement from friends and family members, followed by 14 weeks of class or an in-home study program, then followed by the VE session. Take a look at the new hams in the area - the program must be working!

There has been some discussion on the air about starting a class to assist these newly licensed hams to upgrade. There seems to be some pit-falls structuring such a program. The diverse knowledge base of these amateurs also makes it difficult to set up such a class. I would like all the amateurs with a General class or higher to consider the following: Invite a Novice, Technician, or Technician Plus over and allow them to operate your HF equipment with you as the control operator. This will allow for many questions to be asked and answered on a one-on-one basis. You may consider doing this once a week, once every other week, once a month, or whenever convenient. This allows the new ham to get a taste of what they may be missing. If the desire hits that this is worth doing, then more than likely, they will work on upgrading independently or ask for assistance. With your help, soon the airwaves will start to fill with new General, Advanced, and Extra Class operators.

That's all for now. See you on the air and in next month's newsletter.
73, LeRoy - WA4MHP

VEEP'S CORNER

The annual AARC dinner, I think, was a great success. We had 76 people attend, which is 9 more than last year, and still had plenty of room. Hope to get more for next year.

We are looking for volunteers to set up and run Field Day in June. Last years was a wonderful event under the leadership of Pete and Pete, AD4TU and KC4UCK. I am sure they will be of great help to whomever we can get to volunteer this year. If we have the same kind of weather as last year, it will be more of a picnic than an exercise. So lets hear from some willing people. You don't have to be able yet, but you will be by the end of Field Day with all of the help you will get.

Hein, N4FWA and Leroy, WA4MHP will be discussing ARES and our Martha Jefferson disaster drill for the next meeting. It should be very interesting as we are trying to develop techniques for the operation of disaster drills and the real thing, if necessary. Input, particularly from those who have been involved in these things will be welcome.

The February meeting will be back at our old stomping grounds at NRAO and we hope for a good turnout. Enjoy the springtime weather in January and see you all at the Feb. meeting.

73...Rick...KO4WQ

PUBLIC SERVICE EVENTS 1995

CONTACT HEIN (N4FWA) TO SIGN UP FOR EVENTS

- BKR1** Sunday 12 March, 1330 EST Bike Race. Start and finish at Benjamin Franklin Yancey School, route 627 near Esmont.
- BKR2** Sunday 26 March, 1330 EST Bike Race. Start at Walton Middle School. Finish at Walnut Creek Park
- MSW1** Saturday 01 April Multiple Sclerosis Walk in Charlottesville.
- DIM1** Sunday 30 April, 1200 EDT Walk America (March of Dimes) walk in Charlottesville.
- MJS1** Thursday 11 (or 25) May, 2000 - 2100 EDT Evacuation drill at Martha Jefferson HOUSE (not the hospital), 1600 Gordon Avenue. Residents will be evacuated by bus to a temporary shelter at the Armory on Avon Street.
- BKR3** Sunday 04 June, 0800 EDT Bike Race. Start and finish at Walton Middle School.
- MSB1** Saturday 10 June Multiple Sclerosis Bike Tour, first day. Start at Piedmont Community College. Overnight at Longwood College, Farmville.
- MSB2** Sunday 11 June Multiple Sclerosis Bike Tour, second day. Start at Longwood College, Farmville. Finish at Stonewall Vineyards near Concord.
- BKR4** Sunday 18 June, 0800 EDT Bike Race. Start at Walton Middle School. Finish at Walnut Creek Park.
- MSB3** September (date not set yet) Multiple Sclerosis Harvest Tour (bike). Albemarle County. Start and finish at Broadus Wood School near Earlysville.
- DRL1** Thursday 21 September, (probably around 1800 EDT) Albemarle/Charlottesville/UVA disaster drill. Scenario will be earthquake and train derailment.
- HRT1** Sunday 08 October American Heart Association Walk in Charlottesville.

BITS AND PIECES

Thanks to all who turned out to help the AARC with our booth at the FrostFest. I am pleased to report that in spite of the weather we did quite well. Thanks again.

Bob (KM4DU)

ARRL APPROVED, WORKED ALL STATES (WAS), QSL CARD CHECKING SERVICE

John Gray (W6UZ) is an approved WAS QSL card checker and WAS application processor for the Charlottesville and Albemarle region. He has completed several applications already and has thus demonstrated his expertise. Contact John (W6UZ) if you wish to use his services and have your cards checked locally.

John's address is:

John Gray, W6UZ
110 Carrsbrook Court
Charlottesville, VA 22901

Joe (KD4RWX) WAS#47,372

Richmond FrostFest-1995 Report

The Richmond Frostfest was another success for the club. While intended primarily for members to sell their goodies, the club also had several items for sale. Thanks to Bob, KM4DU, for organizing the event and to Bud, KB4JN, Lewis, WD4PKS, and Marc, N4TZE for appearing early and setting up the tables. Thanks also to Sharon, KO4OC, Mike, AC4ZQ, Will, KJ4XZ, Gerald, KN4FM, and Ron, K4RKA for their time spent at the table selling items. There were others there on and off but it is believed that the ones mentioned did most of the work. Apologies to anyone who helped who wasn't recognized. Of course, those who left items to sell are also considered contributors to the success. Rick, KO4WQ, was the only name which I saw on equipment, so if others left stuff, it must have sold early and there is your thanks!!! The club took in \$425 (more than enough to buy a new, bigger antenna for the .925 repeater) and there is no record of what else sold. We appreciate all those who participated in whatever capacity. Keep Goochland on April 15 and Manassas on June 4 on your calendars. These will be tailgate fests for most of us. If you have money burning a hole in your pocket, you can always go to Vienna on February 26 - there will be a tailgate area but after having all my stuff covered in 1-2 inches of snow one year, I have given up on that session!

73 and don't forget to advertise your stuff in the meantime on the AARC On-The-Air Swapfest which is held every Thursday night on the 146.76 repeater after the ARES net which starts at 8 PM.

Ron (K4RKA) Recycling Chairman

INTERNET ADDRESSES FOR DIRECTORY

If you would like to have your Internet address included in the next Directory, then please send me a brief message via my address

fritz@pen.k12.va.us

Please repeat your address in the body of the message so that there will be no question about the correctness. I will return a message indicating that your message was received. The addresses will be included in the Directory, if at all possible. Joe (KD4RWX)

NOTICE NOTICE NOTICE

When attempting to access the 911 Autopatch, please follow the following general rule- EVEN IF NO ONE IS CURRENTLY USING THE REPEATER. Say "Emergency Call Please." Release the PTT button AND MAKE SURE YOU ARE INTO THE REPEATER. If you hear the repeater respond then continue to make your call. If you do not hear the repeater respond then you should check to see if your tone is activated.

The reason for this notice is: if the tone access is turned on, on the repeater, and your tone is not active on your rig...you can dial 911 with just the DTMF code, but you will not be able to respond to the operator. This has happened one time already. We do not want to be calling 911 and having them find an apparent "crank" caller who does not respond. More importantly, we want to be sure that the call can ultimately be made. Joe (KD4RWX)

HATTIE, WELCOME TO CHARLOTTESVILLE

(W4DR)---+---(N4CFL)

John

Rosalie

(KK4HJ)---+---(KC4WGP)

Curtis

Brigetta

Harriet Grace "Hattie" Eshleman

(1-6-95)

Daughter of Curtis (KK4HJ) and Brigetta (KC4WGP) Eshleman, Hattie is destined to be an outstanding DXer since she is the granddaughter of John (W4DR), a world class DXer (according to QST), and Rosalie (N4CFL) Eshleman.

KD4RWX

The 146.925 Repeater News

The 925 repeater Group met recently to plan a budget and make preparations for the final installation of the 146.925 repeater at Martha Jefferson Hospital. Four of the members went to MJH on Saturday, January 28, to make measurements and "walk through" the installation process. The following are the primary Control Operators for the 925 repeater:

Joe Fritz (KD4RWX), Mike Duvall (AC4ZQ), Sharon Duvall (KO4OC), Tom Lachendro (AD4AD), and Gerald Nauman (KN4FM). Please feel free to contact any one of these persons, if you have questions pertaining to this repeater.

Others who have expressed interest in assisting, or have direct, assisted, are: Hein Hvatum (N4FWA) (our official Repeater Guru, tool box provider, and technical resource person); Rich Bradley (WB3DZC); Pete Taylor (KC4UCK); and Ron Richey (K4RKA) (Official reference-signal strength measurer). These individuals will periodically provide assistance as the occasion arises.

Why not try this repeater. You may find that it suits your needs quite well. There are some areas where the coverage is marginal, but in other instances it does a good job. Look for a periodic Propagation Net when the final installation is complete.

Thanks in advance for any comments you might share concerning the 925 Repeater.

Joe (KD4RWX)

S.M.A.R.T. Hamfest

The Six Meter Amateur Radio Team Hamfest will be held on April 15, 1995, from 8am to 3pm at the Goochland County Fairgrounds, in Goochland, Va. Tailgaters can setup starting at 6am and tailgating is free with the purchase of a general admission ticket of five dollars at the door or advance ticket of only four dollars. Tables are available inside, and they cost ten dollars and you get a general admission ticket. (I believe that is correct.)

There will be test session starting at noon. For more information contact Buddy Travis KA4NNN at 703-894-0406.

VE EXAMS
VIRGINIA VE TESTING INFORMATION
for
FEBRUARY 1, 1995 - MARCH 20, 1995

01/22/95	A Lynchburg	804-386-4651	Charles L Beard	AD4ST
01/27/95	A Arlington	703-756-8994	James W Fox	
02/10/95	A Galax	703-766-3121	Joseph A Kolb	
02/11/95	A Richmond	804-798-5048	Rick Cook	
02/19/95	A Lynchburg	804-386-4651	Charles L Beard	AD4ST
03/10/95	A Galax	703-766-3121	Joseph A Kolb	
03/19/95	A Lynchburg	804-386-4651	Charles L Beard	AD4ST
03/20/95	A Coeburn	703-395-6595	Clinton W Hawkins	Jr

A = ARRL 5 = W5YI L = Laurel

The following individuals seem to be the regular contact persons for VE Exams in their area. If you wish to check on the availability of future exams in their area, please contact them.

Culpeper	Bill Brown	703 547-3089
Harrisonburg	Marshall Cooper	703 856-8012
Richmond	Rick Cook	804 798-5048
Lynchburg	Charles Beard	804 386-4651
Roanoke	Fred Horton	703 366-6266
Orange County	Kelly Shaw	703 891-5581
Charlottesville	John Gray	804 973-1094

We will always announce the Charlottesville sessions in plenty of time.

THANKS to Bob (WA2MFI) for organizing the QRP building project and ultimately practicing some CW on the air. This project is providing several individuals the opportunity to "build" their first radio. Others will have fun building a radio, once again.

This type of project is a good example of the type of Elmering that we need more of in our club. First, it provides an excellent opportunity for Hams to get better acquainted. Also, some individuals are encouraged to venture into areas that they might not otherwise try.

Perhaps we need others to Elmer in other areas. What about **antenna construction**, i.e. the kind that Bow (K4QKH) presented at a meeting several months ago. Why not invite someone, who has never participated in a **public service event**, to go along with you on your next event. **Testing equipment procedures**. How many radio operators understand the proper procedures for **testing the equipment** they own. They might be able to learn a lot from many of you. What equipment to purchase/borrow to perform the tests, may be unknown to them. But, you know because someone told you.

So, let us follow the spirit demonstrated by Bob Ross. Make Elmering a way for enhancing the technical capabilities of the new, as well as the old, Amateur Radio operators in the AARC.

Joe (KD4RWX)

NEW HAMs

Terry Henderson	(KE4SSD), Technician Plus
Earl Newton	(KE4UFP), Technician.
Kaye Harden	(KE4UKW), Technician.
Mike Dean	(KE4UKX), NOVICE
Matt Dean	(KE4UKY), NOVICE
J.L. Dean	(KE4UKZ), NOVICE
Ruth Clowater	(KE4ULA), Technician.

NEW MEMBERS: (Pending)

Kaye Harden, KE4UKW T,
 Route 2 Box 5521
 Scottsville, VA 24590

From ARRL Headquarters, Newington CT January 25, 1995
 To all radio amateurs

SB QST ARL ARLB007
 ARLB007 Vanity calls soon

The FCC has announced its intention to implement a vanity call sign program, and also to resume the issuance of club and military recreation station licenses. In a January 24 news release, the Commission released a general outline of the new program.

Amateurs will be eligible to apply for a call sign of their choice in four "gates." The first group eligible to apply will be previous holders of a call sign or the close relative of a previous holder of an amateur call sign who is deceased. The second group will be Amateur Extra Class licensees, then Advanced, then all others. The FCC will announce the opening of each "gate" by public notice.

The FCC said that the first gate will open as soon as a new application form, FCC Form 610-V, is available and the Commission's licensing facility is prepared to begin processing the applications -- no sooner than April, according to FCC staff. Applications for club station licenses will be accepted as soon as the FCC's Report and Order on this matter is released. Club station call signs will be issued systematically, unless under the fourth "gate" the trustee of an existing club station applies for the call sign of a deceased member as a vanity call sign for the club.

The fee for the use of vanity call signs will be 7 dollar(s) per year, or 70 for dollar(s) a ten-year license term, according to Wireless Telecommunication Bureau staff. However, on January 12, 1995, in a notice of proposed rule making, the FCC proposed a fee of 3 dollar(s) per year, for fiscal year 1995 (which began October 1, 1994).

Amateurs will be able to list up to 25 call sign choices, from any call area, FCC staff said. It is expected that it will be several weeks before the new form 610-V is approved.

More information was in July 1994 QST, page 84; June QST, page 81; and February QST, page 84. (PR Docket 93-305).

DID YOU GO TO THE FROSTFEST?

Well, I didn't... and that's a response of frustration more than elation! Hamfests, Hamventions, Conventions and Hamborees are lots of fun and usually offer something for all Radio Amateurs.

You may be looking for something brand new... you may be looking for a real bargain in used gear... you may be looking for that elusive part needed to keep the "old bucket of bolts" on the air... or you may be looking for an old friend or someone you have recently contacted. Whatever the reason, a Ham Radio gathering can be an occasion for happy times.

Of course, like everything, there are Hamfests and then there are Hamfests. Some of these affairs grow to large proportions and they feature full programs of operating and technical interests and luncheons, perhaps a banquet and keynote speaker. Certainly, the "giant" of the whole bunch is the Dayton Hamvention with its tens of thousands of attendees (last year more than 30,000) and its tens of thousands of dollars worth of prizes.

If you can work a once-in-a-lifetime trip to Dayton at Hamvention time, by all means plan ahead and get your room reservations as early as possible. Some folks make their following year's plans as they check out of their lodging for the current year. You owe yourself a trip to Dayton sometime during your Ham career.

Where else will you find all of the major Ham Radio manufacturers and suppliers and distributors packed into more than 500 indoor spaces? There are almost 3,000 outdoor flea market spaces with tents, tables, trucks, tailgate displays and just about anything you can possible imagine. Even the major manufacturers are now setting up large tents with fully-equipped, operating Ham Radio stations to supplement their tremendous indoor exhibits.

If you can't put Dayton on your list just yet, make certain that you have some Hamfest or Convention on your list for the near future. You will enjoy the occasion. You may even win a door prize or have some other good luck as you meet and greet your Ham Radio friends at one of these super crossroads of Amateur Radio interests. BCNU there?

73 de Harry, W2HD

CLUB BUSINESS

AARC Board Meeting January 3, 1995

Elwood (KB4DJN) moved to purchase a power supply for the 146.760 repeater. Passed. Comment: The replaced power supply will be moved to the 146.925 repeater.

LeRoy (WA4MHP) named the Chairpersons of committees and read a letter from Hein (N4FWA) relative to the 146.760 repeater site.

Board approved the purchase of up to \$100 worth of gravel to place on the road to "Barn" at Richard's (KO4EV). He had approved.

AARC Regular Meeting Minutes-- January 8, 1995

There was not a formal meeting. A Treasure's report appears on page 7. The January meeting was a dinner held at the Boar's Head Sports Club. The business conducted at this meeting is the presentation of Awards and Certificates. The following Public Service Certificates were presented.

The HAM OF THE YEAR Certificate was presented to:

Hein Hvatum (N4FWA).

A HAM OF THE YEAR plaque with his name will be placed in a display cabinet at Bonanza in the near future.

The Public Service HONOR ROLL Certificate (50 or more events) was presented to:

Hein Hvatum (N4FWA)

A Public Service plaque with his name will be placed in the display cabinet at Bonanza in the near future.

The Public Service Certificates awarded were:

Hein Hvatum (N4FWA):	Public Service Level IV 50-59 events
Greg Faust (N4PGS):	Public Service Level III 40-49 events
Sam Gentry (N4WJQ):	Public Service Level II 30-39 events
Miles Gentry (N4YEQ):	Public Service Level I 20-29 events
Bob Pattison (KM4DU):	Public Service Level I 20-29 events
Rick Berman (KO4WQ):	Public Service Level I 20-29 events
Pat Wilson (N0RDQ):	Public Service Level I 20-29 events
Bob Villwock (KB4YQC):	Public Service Level I 20-29 events
Roy Lane (W4OTF):	Public Service Level I 20-29 events
Joe Fritz (KD4RWX):	Public Service Basic 10-19 events
Mike Duvall (AC4ZQ):	Public Service Basic 10-19 events
Dick Noel (KD4KWE):	Public Service Basic 10-19 events
Brian Fox (KE4HIA):	Public Service Basic 10-19 events
LeRoy Sutter (WA4MHP):	Public Service Basic 10-19 events
June Giovanelli (KD4ATH):	Public Service Basic 10-19 events

Life Membership Certificates were presented to:

John Gray (W6UZ)....retroactive

Eugene Bossieux (W4IWW)

Ron Richey (K4RKA)

Past Presidential Service Certificate were presented to:

Bob Pattison (KM4DU)...1989-1993

Greg Faust (N4PGS) 1994

Service on the Board Certificates were presented to:

Bob Pattison (KM4DU)

Harry Dannals (W2HD)

Hein Hvatum (N4FWA)

Sam Gentry (N4WJQ)

Mike Duvall (AC4ZQ)

Special Net Control Certificates were presented to:

Sam Gentry (N4WJQ)

Sharon Duvall (KO4OC)

Elmer's Certificate presented to:

LeRoy Sutter (WA4MHP) by **Jessie Preston (KE4OID)** (This was a re-presentation. It had earlier been presented informally at a Wednesday luncheon.)

The President's Award Certificate was presented to **Joe Fritz (KD4RWX)** by the outgoing AARC President, **Greg Faust (N4PGS)**

It should be noted that some recipients were not present at the dinner. Their certificates will be given to them as the opportunity arises. The meeting adjourned for refreshments.

Respectfully submitted: **Joe (KD4RWX)**, Secretary

January 1, 1995 -
February 1, 1995

ALBEMARLE AMATEUR RADIO CLUB, INC.
TREASURER'S REPORT
MONTHLY REPORT

Treasurer:
Sharon Duvall, KO4OC

1995 - INCOME

DESCRIPTION AMOUNT SUB-TOTAL TOTALS

Income: Dues

Dues: 1995 360.00

Dues: 1996

Total Income: Dues \$360.00

Income: Miscellaneous

Subscriptions

Raffles

T-Shirt sales

ID Vests Sold

ARRL Renewals-by members 4.00

Directories

Sale of old Books:

Now You're Talking

Name badges

Total Income: Miscellaneous \$4.00

Income: Donations

Sale of Surplus Material 899.00

Repeater 25.00

packet

cash

Cnty of Albemarle: ID Vests 200.00

Total Income: Donations \$1124.00

TOTAL INCOME TO DATE \$1488.00

MEMBERSHIP COUNT: As of 1-20-95

Regular Members	82. (11 are second adult family members)
Youth Members	12.
Life Members	3.
Honorary Members	1.
Total Members	98.
Non-Member SUBSCRIBER ONLY	4

1995 - EXPENSES

DESCRIPTION AMOUNT SUB-TOTAL TOTALS

Expenses: Equipment Purchased

Repeater related

Packet related

Total Expenses: Equipment

\$0.00

Expenses: Miscellaneous

Postage and Pub. costs

Telephone

Equipment Insurance

Meeting Refreshments

Picnic Shelter

Va. State Corporation Fee

FrostFest Table Fee

Books and Tapes for class 205.90

SERA Membership

Total Expenses: Miscellaneous \$205.90

Expenses: Special Projects

T-Shirts for resale

Total Expenses: Special Projects \$

TOTAL EXPENSES TO DATE \$205.90

1995 GAIN OR LOSS TO DATE \$1282.10

1994 Balance Brought Forward (1-1-95) \$4713.78

CURRENT BALANCE \$5995.88

FEBRUARY

1995

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

**Make preparations for
Valentine' Day!**

1 Lunch Bonanza 11-1

2 ARES NET 8:00 PM
KC4VPT
W2EIU

3

4 KK4HJ

5 W4OUD

6 INFO-NET 7:00 pm
W3OF

7 Board Meeting &
Technical Session
7:00 P M

8 Lunch Bonanza 11-1

9 ARES NET 8:00 PM
AC4XV

10

11

12 KE4NHP

13 INFO-NET 7:00 pm

14 MEETING
7:30 PM
GIVE FLOWERS TO
YOUR SWEETHEART!!!!

15 Lunch Bonanza 11-1
KA4RBW

16 ARES NET 8:00 PM

17

18

19 K4PRT
KC4MYI
T-HUNT

20 INFO-NET 7:00 pm
KO4WQ
KD4HOA
KB4TMB

21
DEBRA- 1963

22 Lunch Bonanza 11-1

23 ARES NET 8:00 PM

24

25

26 Vienna Hamfest
CQ WW 160 M SSB
T-HUNT VARA IN
AUGUSTA CNTY

27 INFO-NET 7:00 pm

28
KO4OC

Vienna Hamfest February 26

CQ WW 160 M SSB

CQ WW 160 M SSB

AMATEUR RADIO CLASS Presented By The ALBEMARLE AMATEUR RADIO CLUB

Are you interested in serving your community while having a great deal of fun in the process? Perhaps the thought of making new friends both locally and world wide excites you. Amateur Radio operators do all of these things and much more. The Albemarle Amateur Radio Club offering a free, fourteen week, introductory course that will prepare you to become a licensed radio amateur. No previous experience is required and all are welcome.

Place: Charlottesville Albemarle Technical Education Center (CATEC) on Rio Road.

Time: Wednesday evenings from 6:30 PM to 9:00 PM.

Date: Registration and introductory lecture on January 25, 1995.

Fee for supplies: \$23.00 (Textbook and Code tape)

Instructors: Bob (WA2MFI) and Bill (KC4TQF)

For additional information call:

Harry Dannals, W2HD, at (804) 974-7388

**More than 14 enrolled.
Room is still available for
new students.**

OVER THE HILL

Did ya miss me? Well guess what....I'm baaaaaacckk. I apologize for not making last month's newsletter. Things got a bit hairy with some TNC problems (most of which have been fixed) and the loss of the KQ4OK PBBS over here. At any rate, new paths have been forged, true to the pioneering spirit of forefathers, and we are back in business. First let me say that E.J. and I had a most enjoyable time at the AARC dinner meeting at the Boar's Head. We enjoyed seeing some old friends we've not seen in a while, as well as meeting some of you that we've talked to but hadn't met. Our thanks to Rick for another excellent dinner.

As for the news over here... On behalf of the Augusta County ARES and Ken Harris, Club President, I would like to say, "Thanks for coming" to LeRoy (WA4MHP), Hein (N4FWA), and Joe (KD4RWX). In their capacities as E.C.'s, SKYWARN Director, and Club President, they got to meet with their Augusta County counterparts and exchange ideas and information. A good time was had by all and some ties were established, not to mention the excellent cuisine, 2nd only to the Boar's Head...right fella's?

The VARA January T-Hunt will be history by the time you read this. It was held on January 22 over on this side of the hill. I will report the results in my next column.

As I'm sure you all know by now, the AARC is once again sponsoring Novice/Tech classes at CATEC beginning on the 25th of January. In addition to Bob (WA2MFI) and myself, Brian (KE4HIA) will be handling the code duties again (Welcome aboard Brian). And we will have a new apprentice - Alby McCutcheon (AD4KZ). Alby is from Waynesboro, is interested in teaching, and will be helping me get the Novice/Tech classes started on this side of the hill.

Speaking of which, our first session is tentatively slated to start in mid-May. When all the specifics are available, I'll be sure to pass them on, but if you know of anyone who would like to try a Summer class, please let me know.

Finally, I hope all who went to the FrostFest had a good time. I know I did. I saw quite a few of you there, and there were quite a few from this side of the hill there also. Lots of money was spent, but my wife got all the goodies this time. Oh well...There's always Berryville...Hi. See you next month.

Bill, KC4TQF

**CONTESTS + INVERTED-L ANTENNA + CONTEST CLUB
WHAT'S IT ALL ABOUT?**

Do you have any extra wire sitting around gathering dust? Why not use it to make an Inverted-L antenna for 160 meters so you can get on the air for the upcoming CQ World Wide 160 meter SSB contest in February? (FEBRUARY 24-26) The Inverted-L is a simple antenna you can construct that performs quite well on 160 meters. All you need to do is to cut a 1/4 wavelength piece of wire (approx. 135') and hang it in the trees so that it runs vertically upwards from the ground (where it is fed with coax) for as high as you can raise it, and then horizontally for the rest of its length. Connect the center conductor of your coax to this 1/4 wavelength element and then connect radial wires (as many as possible, but at least 2) of the same length (135') to the shield of the coax. Run these wires away from the feedpoint in a radial pattern (i.e. spokes on a wheel) and let them lay on the ground.

Using your SWR meter (and a pair of wire cutters) prune and tune the system to an acceptable swr at 1.875mhz or so (the lower part of the band is more widely used during the contest) by pruning length a few inches at a time to raise the resonant frequency. You may need to trim up to a few feet of wire off both the driven elements and radials before you get the antenna resonating at the appropriate frequency. Then fire up your transmitter

and start making QSO's on top band! The 160 meter band is especially active during the winter and the February contest

is a great chance to get on and test out your new antenna and make some contacts. The February contest is sponsored by CQ Magazine, and complete rules can be found in either November, 1994 CQ or December, 1994 QST.

**...why not consider
joining the AARC Contest
Group. The AARC what?...**

Now, if the idea of getting on and operating a contest sounds interesting to you, why not consider joining the AARC Contest Group. The AARC what? To tell the truth no such group exists as of yet, but if there is sufficient interest from club members then we may very well see the formation of a group within the club dedicated to HF/VHF contest activity. If you are interested in the Inverted-L, the contest, or the possibility of forming a contest group, let me know.

See you in the pileups! Pete/AD41

CHECK THIS OUT

The recently formed Electron Devices/Microwave Theory and Techniques Society Joint Chapter of the Central Virginia Section of the Institute of Electrical and Electronic Engineers will sponsor several presentations this year. The presentations will be of an introductory nature and will be related to science and technology for electronic materials, electron devices, microwave devices and circuits, microwave systems, and microwave techniques. A primary goal of the presentations is to provide an atmosphere for information exchange among professional engineers, engineering students, and radio amateurs. The first presentation will be on Wednesday, February 8. All interested radio amateurs are encouraged to attend.

Amateur Radio Communications via the Moon;
70 cm and Above

William Lakatos, AA4TJ
Technical Specialist, National Radio Astronomy
Observatory
Charlottesville, Virginia

Wednesday, February 8, 1995
TIME: 7:30 pm
LOCATION: E316, Thornton Hall, UVa EE

The presentation will begin with a brief history of Earth-Moon-Earth (EME) communications. Propagation characteristics and anomalies will be discussed as well as antenna systems, receiver pre-amplifiers, lownoise converters, and RF power generation. Slides of amateur EME installations throughout the world will be shown and modern computer-based lunar tracking software will be described. Audio tapes of lunar radio echos and point-to-point communications which demonstrate the excitement and challenge of EME communications will also be presented. Inquiries may be made to Rich (WB3DZC).

Rich (WB3DZC)

VEC NEWS

The following was received from the ARRL VEC today 18 January:

ARRL/VEC begins full-time electronic filing: The ARRL/VEC was instructed today (1/13/95) to forward all FORM 610 application data to the FCC electronically, via EMAIL. Although we have been sending diskettes to the FCC with this data and the applicable hardcopy FORM 610 applications, effective today we must retain the FORM 610 applications at the ARRL/VEC.

We expect that this "Full" electronic filing will eventually result in FCC processing time as short as 2 to 3 days. For now, however, expect it to be about 5 days or so. After 3 weeks have passed, call us.

As we informed your team in early December, effective with the new FCC rules on 12/20/94, applicants can call the FCC at 800-322-1117 to determine whether their new license has been granted. If the license has been granted, the applicant can immediately begin using the new privileges with their FCC-issued call sign. ARRL/VEC test-session processing time is averaging 1 to 2 days. Any questions? Call 800-927-7583. (sgd) Bart KB9NM John (W6UZ)

ARRL/VEC News Release (FROM THE INTERNET)

Electronic Filing of Amateur Radio FCC-Licenses
(From the Internet)

Effective Friday, January 13, 1995, the ARRL/VEC was instructed by the FCC to begin filing all Form 610 application data with them electronically, via electronic mail, and to no longer forward Form 610 applications to Gettysburg. Therefore, all new license and upgrade applications for routinely processed test sessions are being handled by the ARRL/VEC in this manner.

[For a short time, applications delayed due to missing information or applications pending at the FCC, are still being forwarded by us to the FCC via hardcopy].

Although, since December 1, 1994, the ARRL/VEC has been submitting data to the FCC electronically via diskette, we were also required to send the FCC the hardcopy original Form 610 application as well. Effective Friday, however, the ARRL/VEC was directed to retain the original Form 610 applications (for 15 months) for data that has been forwarded electronically to the FCC.

**A Ham receives license
within 2 days of
testing..However, Jan
(KE4NNT) has her own
license story. Ask her!!!!**

Total processing time for a new or upgraded FCC license is expected to be within two weeks of the test date. If three full weeks have lapsed and there is no record at FCC of a license grant, and if an application was part of a ARRL/VEC-coordinated examination, contact the ARRL/VEC at 203-666-1541 so that we can look into the application status.

To learn if an FCC license has been granted, an FCC toll free telephone number is in place. That number is 800-322-1117 (touch tone #1 after connecting, or wait for an operator). Their hours are 8:00 am to 4:30 pm eastern, M-F. Please allow a week from the test date to pass before contacting the FCC. Most licenses should be granted within two weeks.

Total processing time that we have seen varies presently from several weeks to just a few days. The quickest test session to license grant that we have experienced involved two tests (held in Illinois and Indiana) on Wednesday January 11, 1995, that resulted in FCC license grants on Friday January 13, 1995. That's new FCC licenses or upgraded licenses, as coordinated through the ARRL/VEC, in just two days! In this example, the VE team mailed their test results to the ARRL/VEC, and we processed and forwarded the results to the FCC after we screened the test documents and keyboarded the application information for the successful applicants, all in two days time. While this quick turnaround is certainly atypical for most test sessions, seven to 10 days would be a usual timeline--assuming the VE team processed and mailed the test results to the ARRL/VEC shortly after the test session. ARRL/VEC processing turnaround is routinely one (1) to two (2) business days.

Contact us at the ARRL/VEC if you have any questions (203-666-1541 or vec@arrl.org).

73, Bart J. Jahnke, KB9NM, Manager, ARRL/VEC

1995 - ALBEMARLE AMATEUR RADIO CLUB - 1995

OFFICERS & BOARD MEMBERS

President	LeRoy Sutter	WA4MHP
Vice-President	Rick Berman	KO4WQ
Treasurer	Sharon Duvall	KO4OC
Secretary	Joe Fritz	KD4RWX
Director	Brian Fox	KE4HIA
Director	Joe Giovannelli	W2PVY
Director	Bill Hariu	N4ZZB
Director	Gerald Nauman	KN4FM
Director	Elwood Schrader	KB4DJN

COMMITTEE LEADERS

Director	Gerald Nauman	KN4FM	Committee	Technical	Chairperson	Sam Gentry, N4WJQ
				Digital (Sub-com)		Greg, N4PGS
Elwood Schrader	KB4DJN		Publications		Joe Fritz, KD4RWX	
Brian Fox	KE4HIA		Education		Bob Ross, WA2MFI	
LeRoy Sutter	WA4MHP		Activities		Hein Hvatum, N4FWA	
Sharon Duvall	KO4OC		Fund-Raising		Bob Pattison, KM4DU	
Bill Hariu	N4ZZB (Co-Director)		Recycling		Ron Richey, K4RKA	
			Awards		Joe Fritz, KD4RWX	

OTHER POSITIONS

ARRL Liaison	Brian Fox, KE4HIA
ARES/RACES Coordinator	Hein Hvatum, N4FWA
AARL VE Coordinator	John Gray, W6UJZ
Trustee (WA4TFZ)	Morris Jones, NM4R
Newsletter Editor	Joe Fritz, KD4RWX

AARC BULLETIN

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Joseph D. Fritz, Editor
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 Charlottesville, VA 22901-1431

DEADLINE FOR EACH ISSUE

The 15th-17th of each month should be considered as the last dates to submit information for the NEXT MONTH'S BULLETIN. In some circumstances it may be possible to send information a week later. Check with me. Joe, KD4RWX

CLUB MEETINGS

Regular Meeting:

Second Tuesday of each month at 7:30 p.m.

Board and Technical Meetings:

First Tuesday of each month at 7:00 p.m.

Meetings are held at the National Radio Astronomy Observatory (NRAO) building, Edgemont Road (UVA area)

WA4TFZ REPEATERS

INPUT/OUTPUT TONE ACCESS (if required, etc.)

146.160/146.760	88.5 Hz (If enabled, DTMF 325* will produce temporary Tone off and 326* will turn Tone back on)	DTMF 911*
Emergency Autopatch to access the 911 Center		DTMF 918*
Emergency Autopatch to access VA State Police		DTMF 0*
Autopatch exit		DTMF 10*
Time		DTMF 700*
Tone status of repeater		

146.325/146.925	no tone	223.160/224.760	no tone
449.250/444.250	151.4 Hz (If enabled)	145.030	MACHO node
145.030	CHO	WA4TFZ	Packet Bulletin Board

NETS

Northern Piedmont Emergency Net

146.76 repeater Thursday 8:00 p.m.
 Plus Swap/Trade & Technical sessions
 Net Control: Morris, NM4R

Information Net

146.76 repeater Monday 7:00 p.m.
 Newline program and general news
 Net Control: Mark, N4TZE

Albemarle Amateur Radio Club

P.O. Box 6833

Charlottesville, Virginia 22906

AARC BULLETIN

FEBRUARY 1995

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Check This Out
 The recently formed
 Electron
 Devices/Micro-
 wave Theory and
 Techniques
 Society Joint
 Chapter of the
 Central Virginia
 Section of the
 Institute of
 Electrical and
 Electronic
 Engineers
 will sponsor
 several
 presentations this
 year.

See page 9 for more
 information.



Please check your mailing label for correctness of the information.. Notify Joe (KD4RWX) of corrections needed. It is time to renew membership.

CORRECTION OF LABEL INFORMATION REQUESTED ---TO CORRECT CALL PHONE 973-1738 Y D
 KA4JJD N 1995 CURRENT MEMBER

Michael F. Rein
 109 Sturbridge Rd.
 Charlottesville VA 22901