

**MAY CLUB MEETING**

**TUESDAY July 11, 1995 7:30 PM**

**Topic: QRP kits and CW keyer kits**

**Speakers: Bob (WA2MFI) and Joe (W2PVY)**

National Radio Astronomy Observatory Auditorium

On the Grounds of the University of Virginia

**Parking for the July meeting.**

**The upper parking lot at NRAO is closed to us because of another function at NRAO that evening.**

**Please use the lower parking lot and the downstairs door will be open for us. The meeting will be in the regular room.**

**NOTICE**

**There will be a special Weather Emergency Activities meeting, for the purpose of debriefing, at 7:00 pm, just prior to the regular meeting.**

**WANTED  
NEWSLETTER EDITOR**

The time has finally arrived when I can no longer sustain the production of a monthly newsletter. So many personal tasks and obligations have been set aside and now they must receive some attention. I have enjoyed working with all of the contributors who have really done the major part of the work which has made this newsletter successful.

There will not be any disruption in service. I will do the August issue and will continue putting out a newsletter for the following two months, if necessary. I will work closely with the new Editor to assist in any way I can to help them get started.

If you are interested in volunteering for this activity and would like to join the honorable profession of Newsletter Editors, please contact me (Joe Fritz (KD4RWX) at 804 973-1738). I will submit your name to the AARC Board of Directors for their consideration.....Joe (KD4RWX), Editor

**CONTENTS**

July Meeting Notice	1
WANTED NEW EDITOR	1
Field Day & Real Emergencies	1
And The Rains Came	2
And Still More Rain	3
The President Speaks	3
Veep's Corner	3
FM Nostalgia	4
Public Service Events	4
BITS AND PIECES	5
FOR SALE	5
Calendar	6
Virginia VE Exam Info	6
Club Business	7
Treasurer's Report.	7

**Field Day and Real Emergencies**

What do you get when you combine 3 operators, 5 transmitters, 7 deep cycle batteries, 30 feet of tower, 67 feet of mast, 400 feet of antenna wire, 3 computers, several inverters, a tnc, an hf triband beam, yagis for 2&6 meters, some coax and ladderline, ground rods and counterpoises, a pile of assorted adapters, Field Day weekend, the near bottom of the sunspot cycle, and a clearing near the James River in Buckingham County? Well, Pete (KC4UCK), John (KQ4MY), and I [Pete (AD4TU)] had hoped in advance that it would yield 900 QSO's in a 1A 150w effort for the 1995 ARRL Field Day. We started planning about 6 months in advance for what would be the most labor-intensive effort we had ever made as a group.

Field Day is different things to different Hams. To some it is a activity that brings a club together for a weekend of fun in the sun. To others it is a chance to demonstrate the abilities of Amateur Radio to the public. Some Field Day operators see it as a test of emergency preparedness and effectiveness. And last but not least, to some Hams it is a contest in which they compete with both themselves and others. Our take on Field Day '95 was that it was a combination of all of those interpretations-some more so than others, but nonetheless a fun event in which we could test ourselves and our station in a competitive environment while demonstrating Ham radio as an valuable asset in emergency situations.

1A was the only entry class that made sense for a station with only 3 operators, and the 150w power class was deemed most compatible with the rate of operation that we would need to achieve our 900 QSO total. An examination of the rules revealed

**This month's Newsletter delay.**

I am sorry for the delay in this month's newsletter. Events just seemed to conspire against me. Weather, emergencies, and a holiday period. I will be back on schedule next month.

Editor

**Internet address change for Joe (KD4RWX)**

**Bucoda@aol.com**

that we could only count on a few hundred points from the Bonus Categories. P.R./Media exposure was out of the question due to the remote location from which we operated. Satellite and natural power QSO's were more pounds of equipment to carry and set up and would eat into HF operating time. However, packet and VHF qso's would count for a little, and copying W1AW and operating solely off battery would also bolster our point total.

The week before Field Day was busy-final testing of antennas, computer networks, interfacing the rig to the computer for cw keying, loading equipment into the trucks and mentally checking and rechecking everything to make sure we hadn't forgotten everything. A last minute strategy session was held and we all nervously agreed that our goal was attainable.

When the dust settled we were quite surprised to see that we had actually exceeded our goal! We made a total of 1052 QSO's and our score added up to 2,658 points. More importantly we had a great time, learned a lot about setting up a station in short order, and sharpened our abilities to operate under less than perfect conditions. Little did we know that these experiences and abilities would be put to use in a much more serious situation very soon after Field Day.

On Tuesday, June 27 at about 1:30 pm I responded to what I perceived to be a worsening situation in the Madison County area. I had been in contact with a friend, Richard (KD4ASI), who was in Madison, and I passed some messages to friends for him as the phones in the county were out. He described the severity of the flood in his area and I decided that additional communications might be needed. I informed Morris (NM4R), who was NCS on 146.76 that I was going to explore the viability of a route from Charlottesville to Madison, loaded up my car with equipment and headed north. Along the way I met up with Pete, KC4UCK, and we consolidated gear into his truck and proceeded to Madison. The next 26 hours were spent on site operating at either the Madison High School or the Emergency HQ at the Rescue Squad and Fire Department building. We were called up by the VA EOC to activate an HF link on 75 meters to relay information from their HQ in Richmond to the emergency officials in Madison, and it was this link that allowed for personnel in Madison to request additional helicopters for search and rescue, made it possible for the Red Cross to pass status reports on the conditions of the shelters, and let the State Director of the M.A.R.S. pass needed information to the National Guard in Madison. It is important for me to mention that this HF link would not have been possible if Jon (KJ4OP) had not arrived at precisely the right moment with a 75 meter dipole that we strung between two towers at the Emergency HQ. In addition to operating on HF, we also spent a good bit of time coordinating the operational aspects of Amateur Radio-ARES/RACES activities via the 147.120 repeater. Between Jon (KJ4OP), Pete (KC4UCK), John (KE4DDQ) and myself at the Emergency HQ, and KD4ASI and Ed (KC4TWE) at the Shelter, the Charlottesville area Hams were well represented in Madison. The Madison/Greene contingent included Lynn (N8EBM), Jay

(KE4OMD), Henry (WD4LHP), Lucian (KF4AFH), Mo (KF4AFI) and Glenn (KC4QFG) (hope I got all the calls right ... didn't forget anyone).

We have all probably seen the news coverage of the Madison area, and seen the pictures of the immense damage done to the area. Lives were lost, property was destroyed, and a way of living irrevocably altered for those people most greatly affected by the flood. Amateur Radio didn't fix or prevent any of this, but I hope that in some way that it did help. Ask the people who were able to communicate with friends and loved ones via Amateur Radio, or the Lieutenant of the rescue squad who was able to request helicopters, or the Red Cross director who ordered food and mobile kitchens, and I think they will tell you that yes, it did help. Pete (AD4TU)

### AND THE RAINS CAME...

On Tuesday, June 27th, the effects of days of rain followed by a ten inch torrential downpour, were unfortunately seen in Madison, Orange and Greene Counties as the raging waters took out road after road with relentless abandon. By far the worst problem was the closing of Route 29 North between Greene and Madison Counties, effectively stopping the flow of traffic in both North and South directions.

A SKYWARN Net was started by Joe (KD4RWX) following PM Local Emergency Planning meeting Tuesday afternoon. This net was intended to determine availability of area Hams and to prepare local Hams for possible emergency service due to worsening weather conditions. Several Hams responded to a call for standby status. They were Brian (KE4HIA), Jan (KE4NNT), Fred (KE4ZNO), Hein (N4FWA), Bob (N6AAR), Chuck (WB6QKB) and Frank (W2BWR). Kaye (KE4UKW) was attending to other official duties but was monitoring the local activities.

During the SKYWARN Net, Morris (NM4R) came on the air in response to information he had received via a phone call concerning the Madison County area. The Northern Piedmont Emergency Net was formally activated at that time and was quickly fully operational with NM4R as Net Control.

Richard (KD4ASI) set his station up at the Madison County High School from which point many messages were sent to stations in other areas where a telephone was active. Most of the messages concerned the fact that the sender was staying at the temporary high school shelter and would not be able to return home until much later or perhaps would be delayed as alternate routes were contemplated. During the above activities Net Control was also under the capable hands of Sam (N4WJQ).

Pete (AD4TU), Pete (KC4UCK) and Jon (KJ4OP) "crossed border" and set up another station for additional coverage. They also installed an 80 meter station... antenna and all... for communications with Richmond. Local traffic was quickly handled

on 146.76 by several stations in nearby counties where telephone service had not been lost.

The net remained fully active until shortly after midnight when operations were suspended until the following morning. Joe (KD4RWX) was up before dawn and acted as early Net Control. Activities slowed down considerably as order took over from chaos in the badly affected counties. The net formally secured at 2:50 PM on Wednesday with Brian (KE4HIA) as Net Control.

This writer will not single out any one or more persons for their superlative activities because all hands assisted in an exemplary manner in whatever they were asked to do. The following stations were active: KE4UKW, KC4TQF, KE4OMD, N8EBM, NM4R, N4WJQ, KE4NHP, KE4DDQ, AD4TU, KC4UCK, KJ4OP, KE4HIA, KD4ASI, N4FWA, W2HD, W2EIU, WA4MHP, KO4EV, KE4OID, KF4AFE, KD4EMU, KD4RWX, KD4CUJ, N6AAR and KC4MYI. (Sincere apologies to anyone omitted. The list was gathered from hasty notes and rusty memories!)

Harry, W2HD (some editing by Joe (KD4RWX))

### **AND STILL MORE RAIN...**

On Wednesday evening, June 28th, the Northern Piedmont Emergency Net was once again activated, only a few hours after securing the Madison County activities. This time the problem was "at home" in Albemarle and the Sugar Hollow Reservoir was the scene of the main operation. The question of the hour was the safety of the residents in the line of possible overflow at the reservoir.

Stations were set up at 911 Operations (EOC), the communications van (Command Post) located at White Hall and the Shelter at the Western Albemarle High School, the potential "home" for evacuees. Hein (N4FWA) and Ernie (W2EIU) manned the EOC, Greg (N4PGS) and Bill (N4ZZB) the Command Post and Dave (KE4YLR) the Shelter. Other stations checking into the net were held in readiness to relieve or support those locations.

The net was secured shortly after 11 PM when it appeared that no immediate need existed. However, as this report is being typed (Thursday morning), stations are once again gathering on 146.76 for a possible alert. "WE HAVE STILL MORE RAIN FALLING!"

In addition to the stations listed above, the following stations were standing by for possible call: Sam (N4WJQ), Kay (KD4CUJ), Robert (KE4AQD), Harry (W2HD), Brian (KE4HIA), Mike (KD4NNL) and Terry (KE4SSD).

**PLEASE TURN OFF THE FAUCET IT MUST STOP SOMETIME...**

Harry, W2HD

### **THE PRESIDENT SPEAKS**

Are you finding yourself still saying please copy two alpha victor alpha? Have you caught up on missed sleep? Does anyone know

why the rain missed us? I am sure these are many of the questions being asked about field day this year. If you were there, I'm sure you had a lot of fun. It was wonderful to see the media at Earlysville Volunteer Fire Department. If you weren't there, you missed a lot of fun. We had a CW tent, a phone tent, and a Novice/Tech tent along with a picnic tent at the site in Earlysville. Equipment began to go up right at 14:00 UTC and we were ready for operations shortly after 16:00 UTC. This gave us a breather before the key down time of 18:00 UTC. We started in the CW tent with John (W6UZ) and Harry (W2HD) using a QRP rig to make the traditional QRP contacts. Then Brian (KE4HIA) and Bob (WA2MFI) stayed with the QRP rig and made many, many more contacts. Ernie (W2EIU) and KAY (KD4CUJ) started making contacts in the phone tent (know as the sauna). The phone bands seemed quiet at first, but within an hour was very busy and crowded. Bill (KE4KJB) set up the Novice/Tech station. Bill's group was operating 10 meter phone as well as on the Novice/Tech. Portions of the CW band. With three stations going we had a possible operational period of 72 hours. We were able to operate these stations for 69 of those 72 hours. I was glad to see the turn-out that we had. I especially enjoyed listening to Bob (KM4DU) and Elwood (KB4DJN) in the CW tent from 4:00 UTC to about 7:00 UTC Sunday morning. Many thanks should go to Bob (KM4DU) - Field Day Chairman, Kay (KD4CUJ) - Phone Captain, Brian (KE4HIA) - CW Captain, Bill (KE4KJB) - Novice/Tech Captain, Ernie (W2EIU) - Publicity Captain, Jessie (KE4OID) - Picnic Captain.

Many thanks also goes to those people that donated equipment, their valuable time, supplies, tents, and place to plan the activity. The biggest thanks needs to go to the Earlysville Fire Department for allowing us to use their field behind the building. It is a very nice site, and a very secure site. Please try to attend one of their Barbecues if you can during the year. I believe they have one in the spring and in the fall. We will try to publish the next one in the news letter.

Hope to see you on the air during field day next year.

LeRoy, WA4MHP

### **VEEP'S CORNER**

For those who missed the June meeting you missed a really exceptional speaker. Grote Reber, "the father of radio astronomy" gave us a fascinating talk on how he got started in the field of radio astronomy. and some of the things he tried, and did in the field. He spoke with humor and knowledge of the developments in radio astronomy starting in the late 1920s up through the 1950s. An interesting man at the age of 84.

By the time you all read this another Field Day will be history. A successful one, I hope. A vote of thanks to all concerned including KM4DU, W2EIU, KE4HIA, KD4CUJ, KE4OID for their efforts to make this field day a big success.

Looking out the window this morning, it is a beautiful sunny day and I am looking forward to a long sunny, warm summer, My kind of weather. I think we have had enough rain for a while.

The MS 150 bike tour went very well for the AARC, with a lot of people participating. It is a shame that the bikers participating are not better prepared for an event this long. We had a lot of bikers dropping out or wanting to be SAGged to the next rest stop because they were running out of steam. It is a tough course to run on a bike and a lot of bikers seemed not to have trained for it. Also, the weather was so warm and humid that it made the hills seem even tougher.

We will have Bob (WA2MFI) and Joe (W2PVY) as our speakers at the July meeting, talking about QRP kits and CW keyer kits. Sounds interesting. Hoping for a good turnout for the July meeting. Don't forget to park in the lower lot at NRAO, just for the July meeting...73... Rick (KO4WQ)

### FM NOSTALGIA

#### (OR, WHERE DID THE BOAT ANCHORS GO?)

While taking a look at some of the Amateur Radio "hardware" which can be seen in our display case at Bonanza, my mind wandered back to my early experiences with 2-meter FM. And, what memories!

My first 2-meter FM rig was a Motorola 80-D. This was a trunk-mounted taxicab or police cruiser radio which originally worked in the 150-170 Mhz range. It was crystal-controlled with only one channel which was later modified to two. The rig weighed in at a "TON" if it weighed an ounce. The case was made of heavy gauge steel which an elephant could have walked on without any depression at all! These rigs were easy to modify to 2-meters and thus that band became the original home of FM... later to be followed by 440-450 Mhz when the 450-470 Mhz commercial rigs were available.

With this rig, the choice was simple. You either kept one pair of crystals for a repeater and the other simplex or, if you were in one of those lucky communities, maybe two repeaters. Early repeaters were on 60 Khz spacing and the present 600 Khz off-set although some experimentation was made earlier with different off-sets. Repeater pairs were 16-76, 22-82, 28-88 and 34-94, so you can note that WA4TFZ (Under many calls as described by K4RKA in an earlier Newsletter) was one of the earlier repeaters. The reason for the large spacing was that the filters in these early rigs could not take anything closer without interference.

We had "Walkie-Talkies" similar to the one on display at "Bones." My first was a Motorola P-33 with a bunch of "pencil" tubes and a battery that weighed only a "quarter TON!" You would be walking stoop-shouldered if you carried one of these more than a quarter of a mile!

My first "Handie-Talkie" was a Motorola "brick" and that was an appropriate name. It weighed in heavier than a brick, but had dimensions very much similar to that thing which covers houses! The battery was again a major portion of the weight. It can be said that one could cause bodily damage with this heavyweight if tempers went out of control.

The big names in the Amateur Radio FM "surplus" world were RCA, Motorola and a few others. Most of this gear came into the Ham Radio world when the commercial and government users had to go to narrower bandwidths in order to put more channels into the space they occupied in their assigned spectrum. Amateur Radio FM would never have grown as quickly had this not happened.

However, Hams were quick to recognize the value of 2-meter FM to our mobile communications world where a repeater could give you the capability of producing a signal which could be radiated over many, many miles of real estate. Repeater antennas very quickly appeared atop mountains and high structures and Ham FM was born. FM Nostalgia

My first 2-meter FM contact was made on 11 November 1965 with the "Boat Anchor" Motorola 80-D on 146.94 Simplex. We didn't have a repeater in the area at this time. Here we are, 30 years later with our pocket-sized hand-held units with dual-band capability and memories and tones and digital signal alerting and, and, and, and we can go on and on.

Technology has paved the way for the enjoyment we now share with one another. Our mini-mobile units and hand-helds can speak over many miles from that big amplifier called Carter's Mountain. The few tenths of a watt speak with mighty voices today. We are very fortunate to be residing in an area of the country which is well-served by our repeaters without the constant "bickering" which is seen in the big population centers of our country. The repeater "wars" which took place years ago are still rearing their ugly heads with frequent coordination problems and personalities who want to be "king of the hill" without regard for others.

If only people could handle the gifts of technology... ah, but that's another story for another time. 73...Harry (W2HD)

## PUBLIC SERVICE EVENTS 1995

### CONTACT HEIN (N4FWA) TO SIGN UP FOR EVENTS

**MSB3** September (CANCELLED) Multiple Sclerosis Harvest Tour (bike). Albemarle County. Start and finish at Broadus Wood School near Earlysville.

**DRL1** Thursday 7 September, Note: Date Change. (1800 EDT) Albemarle/Charlottesville/UVA disaster drill. Scenario will be earthquake and train derailment.

**DIA1** Sunday 01 October, 1000 EDT American Diabetes Association Walk in Charlottesville.

**HRT1** Sunday 08 October American Heart Association Walk in Charlottesville.

## BITS AND PIECES

### VIRGINIA SLOW NET

The Virginia Slow Net (VSN) is looking for students and instructors. The net is a CW Net operating to teach traffic handling and to help operators increase their code speed. The net operates every night at 8:30 pm local time 3680 KHz. We run at 8 WPM on the Net frequency.

The course consists of 4 parts: Basic, Advanced, Liaison and NCS. The messages you take comprise a HOWTO booklet on Nets. After this course, you will feel comfortable acting in any (net) capacity you desire.

If you would like more information, you can reach me in several ways. By phone at home, 804-779-3351; at work, 804-560-3828; on my BBS at 804-779-0055 (up to 28.8 baud); or I monitor the 146.430 and 146.880 repeaters while traveling. My internet address is n0rdq@ppplace.com, if you prefer that method.

Let me know if you would like an information package.

Thanks.....**N0RDQ/Pat**

### Minor Corrections

Minor corrections to the nostalgia article in last month's newsletter. Big Apology to "0" land. My examples should have been W1AA through W0ZZZ. Also, anyone familiar with DX probably knows that other areas use call signs beginning with the letter "A". A quick scan shows AP and A2 through A9 are used by other countries although page 2 of the US callbook does say that the US is assigned the call block beginning with "A" (U.S. calls AAA-ALZ editor). I guess a few exceptions are OK... 73 **Ron (K4RKA)**

### Click and Clack Answer

Answer to last month's contest.

Well, three people answered my query of last month of "Who was WN4FKX". They were the previous owner of the call, Nancy (WB4RBW), and Tom (WA4UXD); and since there was no prize offered anyhow, we will call them triple winners!! The correct answer was Bill Harris who is now WA4ZZB. He first took the Novice test but before it came, he took the Technician test. Since in those days, the Tech test was given by mail, Tom, WA4UXD, sent off for the exam and when it came, both a Novice and a Tech test were included. Not being sure why, and not wanting to take a chance, Bill took both tests. A short time later the license from the first test arrived as WN4FKX which allowed him only the reduced Novice privileges. Several weeks later the Tech license came in the mail along with ANOTHER Novice license. At that time a Tech license did not include the Novice privileges so both were appropriate. So Bill could have operated with three different call signs, WN4FKX, WN4ZZB, or WA4ZZB on the appropriate bands. I have QSL cards for the first and last. The next time that you see Bill, ask him how many Novice contacts he made and with which call... **Ron (K4RKA)**

## FOR SALE or WANT

[If you wish to have something printed in this section please contact Joe (KD4RWX) ]

### WANTED: Johnson Viking II Transmitter

I would like to obtain a Johnson Viking II transmitter. If you have one for sale contact me, Carter (WD4AYS) at 804-979-7388 (H) or 804-980-7698 (W)

### WANTED: 2M RIG & MAG MOUNT ANTENNA

Ernie, W2EIU, is looking for a two meter rig for packet radio. He is also looking for a 2m mag mount antenna. Call him at (804) 985-4180.

### WANTED TWO METER MOBILE RIG

RICHARD, KO4EV, IS LOOKING FOR A TWO METER MOBILE RIG. CALL HIM AT 973-3723.

### FOR SALE: 2 METER MOBILE ANTENNA

I have a Larson 2 meter mobile antenna and mount for sale. MNO-150 (2 m antenna, 3db gain) and MNO-TLM (trunk lip mount with coax). If interested you can leave message on WA4TFZ or call me at (804) 286-2993 Bernard K4PRT

### WANTED: ROTATING RF CONNECTOR

Richard, KD4KWE, is looking for an rf rotating connector. If you have such a thing, call him at 804-823-8254 or catch him on the .76 repeater.

### FOR SALE: DIAMOND ANTENNA & DIPLEXER

DIAMOND 2M/1-1/4 DUAL BAND ANTENNA MODEL CR-214S NMO MOUNT.... \$50. Also, a DIAMOND MX-214 2M/1-1/4 DIPLEXER WITH 12" CABLES.... \$60. CONTACT Bob, N6AAR at 977-1256.

### FOR SALE: DUAL BAND MOBILE

Pat Wilson, N0RDQ, has another Alnico DR570T 2m/70cm mobile transceiver including microphone and dual band switch for sale. Call him at home, 804-779-3351, or business office in Richmond, 804-560-3828.

### FOR SALE: 2 METER GAIN ANTENNA

N6AAR is offering for sale a Butternut Super Trombone model 2MVCV-5 2 meter gain antenna. 15 feet in length, all instructions included, for \$50. Call Bob at 977-1256 if interested.

### FOR SALE: 220 HOT ROD ANTENNA

Brian, KE4HIA, would like to sell a telescoping 220 hot rod antenna, brand new, for \$20. Call him at (804) 823-5469.

JULY 1995						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Thanks to everyone who assisted during the weather emergency period.						1 KD4IGX K2AOE K4RKA
2 KD4AZR	3 INFO-NET 7:00 pm	4 <b>Board Meeting Cancelled</b>	5 Lunch Bonanza 11-1	6 ARES NET 8:00 PM	7 K4ISW	8
9	10 INFO-NET 7:00 pm	11 <b>AARC MEETING 7:30 PM</b>	12 Lunch Bonanza 11-1	13 ARES NET 8:00 PM KS4ZR	14	15 KA4VMP
16 <b>T-HUNT</b> Augusta County	17 INFO-NET 7:00 pm KD4CUG	18	19 Lunch Bonanza 11-1	20 ARES NET 8:00 PM	21	22
23 AD4GK	24 INFO-NET 7:00 pm	25	26 Lunch Bonanza 11-1	27 ARES NET 8:00 PM	28 N4TZE	29 KC4VOK
30	31 INFO-NET 7:00 pm K4UHW					

### VE EXAMS

#### VIRGINIA VE TESTING INFORMATION

07/14/95,A,Galax,,703-236-8672,Joseph A Kolb  
 07/15/95,A,Richmond,,804-222-3436,Samuel Henderson K4YPE  
 07/16/95,A,Roanoke,,703-774-3656,Gordon Garrett  
 07/17/95,A,Coeburn,,703-395-6595,Clinton W Hawkins, Jr  
 07/22/95,A,Farmville,,804-736-8010,Gene Lyles  
 07/28/95,A,Arlington,,703-756-8994,James W Fox  
 07/28/95,A,Stafford,,703-786-8012,Jim McCloud N4LZJ  
 07/29/95,5,Gloucester,,804-693-2117,Fran Sterling  
 08/05/95,A,Sterling,,703-450-2304,Michael Weber  
 08/11/95,A,Galax,,703-236-8672,Joseph A Kolb  
 08/12/95,A,Richmond,,804-798-5048,Rick Cook  
 08/20/95,A,Roanoke,,703-774-3656,Carlos Garrett  
 08/26/95,5,Gloucester,,804-693-2117,Fran Sterling  
 08/26/95,A,Spotsylvania,,703-373-7076,Carolyn Cavanagh  
 09/08/95,A,Galax,,703-236-8672,Joseph A Kolb  
 09/09/95,A,Culpeper,,703-547-3089,Bill Brown  
 09/17/95,A,Roanoke,,703-774-3656,Carlos Garrett  
 09/18/95,A,Coeburn,,703-395-6595,Clinton W Hawkins, Jr  
 09/23/95,A,Virginia Beach,,804-898-8031,Ed Brummer  
 09/29/95,A,Stafford,,703-786-8012,Jim McCloud N4LZJ  
 09/30/95,5,Gloucester,,804-693-2117,Fran Sterling  
 10/07/95,A,Toano,,804-566-1435,Lawrence Boellhoff  
 10/13/95,A,Galax,,703-236-8672,Joseph A Kolb  
 10/14/95,5,Newport News,,804-595-3574,Bruce Young  
 10/14/95,A,Richmond,,804-798-5048,Rick Cook  
 10/15/95,A,Roanoke,,703-774-3656,Carlos Garrett  
 10/28/95,5,Gloucester,,804-693-2117,Fran Sterling  
 10/28/95,A,Spotsylvania,,703-373-7076,Carolyn Cavanagh

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
Roanoke	Gordon Garrett	703-268-1017,
Orange County	Kelly Shaw	703 891-5581
Spotsylvania	Carolyn Cavanagh	703-373-7076,
Charlottesville	John Gray	804 973-1094

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

**CLUB BUSINESS**

**AARC Board Meeting: June 6 1995**

No official business (motions) was transacted.

**AARC Regular Meeting Minutes-- June 13, 1995**

Hein (N4FWA) introduced the speaker for the evening, Grote Reber (former W9GFZ). He gave an enchanting and interesting talk on the history of Radio Astronomy and his involvement in it. His presentation was well received.

Please note the for the July meeting we should park in the lower parking lot.

There will not be a T-Hunt in June and the July hunt will be in Augusta County.

Ernie (W2EIU) read the Field Day proclamation from Gov. Allen for Amateur Radio Week.

Centel will make a donation to Club. (It has since been received. \$200)

New members approved:

Frank Sola (W2BWR)

Minutes of May Meeting were approved.

Brief mention of the new Call-Tree. Learn to use and be prepared to activate.

Joe (W2PVY) moved that the Club purchase 20 new Emergency Vests. The motion was approved.

- AD4TU suggested that funds be used to purchase a preamp for the 220 repeater.

- Hein (N4FWA) recommended that the topic should be referred to the Technical Committee. He will check the sensitivity on the next rip up to the repeater site.

The meeting was adjourned at 9:05 pm

Joe Fritz (KD4RWX), Secretary

An Expanded Treasurer's Report follows.

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

January 1, 1995 - June 13, 1995

Treasurer: Sharon Duvall, KO4OC

**1995 - INCOME**

DESCRIPTION	AMOUNT	SUB-TOTAL	TOTALS
Income:Dues			
Dues:1995	1055.00		
Dues:1996			
Total Income:Dues		<b>\$ 1055.00</b>	
Income:Miscellaneous			
Subscriptions			
Raffles	37.00		
T-Shirt sales			
ID Vests Sold	25.00		
ARRL Renewals-by members	10.00		
Directories			
Sale of class Books:			
Now You're Talking	230.00		
Total Income:Miscellaneous		<b>\$ 302.00</b>	
Income:Donations			
Sale of Surplus Material	1541.00		
Repeater packet cash	140.00		
Cnty of Albemarle:ID Vests	200.00		
Total Income:Donations		<b>\$ 1881.00</b>	
<b>TOTAL INCOME TO DATE</b>			<b>\$ 3238.00</b>

**1995 - EXPENSES**

DESCRIPTION	AMOUNT	SUB-TOTAL	TOTALS
Expenses:Equipment Purchased			
Repeater related	506.12		
Packet related			
Total Expenses:Equipment		<b>\$ 506.12</b>	
Expenses:Miscellaneous			
Postage and Pub. costs	32.00		
Telephone	181.23		
Equipment Insurance			
Meeting Refreshments	125.00		
Picnic Shelter			
Va. State Corporation Fee	25.00		
Winter Dinner Appropriation	248.50		
Books and Tapes for class	205.90		
Field Day	104.49		
SERA Membership			
Supplies	96.83		
Total Expenses:Miscellaneous		<b>\$ 1068.95</b>	
Expenses:Special Projects			
ID Vests Purchased	198.55		
T-Shirts for resale			
Bonanza Display case	268.82		
Total Expenses:Special Projects		<b>\$ 467.37</b>	
<b>TOTAL EXPENSES TO DATE</b>			<b>\$ 2042.44</b>

**1995 GAIN OR LOSS TO DATE \$ 1195.56**

1994 Balance Brought Forward (1-1-95) **\$ 4751.28**

**CURRENT BALANCE \$ 5946.84**

**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 Giovanelli	W2PVY
Director	Bill Hariu	N4ZZB
Director	Gerald Nauman	KN4FM
Director	Elwood Shrader	KB4DJN

**COMMITTEE LEADERS**

<u>Director</u>		<u>Committee</u>	<u>Chairperson</u>
Gerald Nauman	KN4FM	Technical	Mike, AC4ZQ
		Digital (Sub-com)	Greg, N4PGS
Elwood Shrader	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, W6UZ
Trustee (WA4TFZ)	Morris Jones, NM4R
Newsletter Editor	Joe Fritz, KD4RWX

**AARC BULLETIN**

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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 7:30 p.m.

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

**WA4TFZ REPEATERS**

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

146.325/146.925	91.5 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	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**  
**July 1995**



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