

Editor: Joseph D. Fritz, KD4RWX

CHARLOTTESVILLE (Albemarle County) VIRGINIA

**AUGUST CLUB MEETING**

Tuesday, August 9, 1994 at 7:30 p.m.

Topic: Packet and the WA4TFZ PBBS

Speaker: Greg Faust, N4PGS

AARC President and WA4TFZ's SYSOP

National Radio Astronomy Observatory (NARO)

Edgemont Road on the UVA campus

**146.76 USERS READ**

by Sam (N4WJQ), Chairman, Technical Committee

I had to put the repeater on CTCSS tone access yesterday and this (again) caused some complaints. I don't do that unless 146.76 is almost unusable without tone access. There are several CONTROL OPERATORS who are able to monitor the repeater during the day and remove the tone access if the problem has passed. The actual periods of REQUIRED tone access should be short. Remember that you can temporarily remove tone access by pressing 325 on your DTMF pad. Pressing 325 again will restore tone access. If the control operator has turned tone access OFF you CAN NOT turn it on with 325. The temporary suspension of tone access will automatically reset after the repeater has heard nothing for 1 minute. Unfortunately if the gremlin is active or a jessup user is getting in, the reset of the tone access will wait until the receiver hears nothing.

It has been suggested that the current tone frequency is not available on all rigs. We settled on this frequency after another frequency was in use and it was also not available on all rigs. We checked several rigs and found that almost every one of them had one or more CTCSS frequency missing. If we are going to change the frequency (again) then we should try to pick a frequency that is on all (almost all) rigs. We don't want to go higher since we get complaints that users can hear the tone. I think that 82.5 has been suggested. What do you think?

Of course, the other choice is to never turn the CTCSS on and learn to live with the repeater interference. [...] If I hear nothing from this [message] I will make my own decision. Everyone is invited to come to the next Technical meeting (first Tuesday in August) to discuss this issue. Thanks, Sam, (N4WJQ)

**AN EDITORIAL RESPONSE TO SAM'S MESSAGE**

Sam (N4WJQ) recently posted a note on the packet concerning the 146.760 repeater and tone control. I have reprinted his concern so that club members, not on packet, might become aware of the issue.

Occasionally the repeater experiences an intermod problem

(often called "the gremlin") or propagation (incoming) difficulties. If you have been listening during those times I think you will agree that the repeater creates quite a problem. One of the methods for controlling the intermod problem is to set the repeater such that it will not respond to normal incoming signals. The input signal must contain a simultaneous tone frequency (Control Operator adjustable) in order to cause the repeater to respond. This is known as CTCSS tone access. Currently the repeater's tone access frequency is set to 91.5 Hz.

What is basically required to access the repeater when the tone has been turned on is for the user to have his/her radio transmit the repeater's input frequency of 146.160 MHz, plus the 91.5 Hz tone. If this happens all will go well.

The problem seems to be one of overlapping technologies. Some area Hams do not have 2-m radios which can generate the CTCSS tones. Some do not have radios with the specific tone being used. Perhaps others do not have a KEYPAD. And, still others may be "rock bound" with only crystals for the 146.760 repeater, no tones, no Keypad. The variations are many.

The KEYPAD comes into play because the CTCSS tone control can be overridden by transmitting the DTMF signal of 325. Most radios of recent vintage have both CTCSS and DTMF capabilities. However, some may lack a certain tone frequency which has been selected for the Club's repeater.

When the "Gremlin" is bad, the repeater IS NOT usable without tone control. The repeater will timeout repeatedly. It creates havoc with the weaker signals. Several times when tone has been turned on there have been Hams who have not understood and complained because they could not access the repeater. The club members should really feel good about the Control Operators who care for the club's repeater. They do NOT turn the tone on without good reasons. They are NOT trying to exclude anyone from using the repeater.

**WHAT IF THE REPEATER TONE IS ON AND YOU HAVE:**

**NO TONE but have a KEYPAD**

Send DTMF 325 and the tone will be disabled temporarily. When you complete your contact you can reset the tone by sending 325 again. If you happen to forget to reset the tone, it will automatically reset after 1 minute of no carrier.

**NO CTCSS TONE and NO KEYPAD**

Try transmitting on the output frequency (146.760 simplex) and ask for someone to turn the tone off using 325. When they do so, you can then use the repeater normally. At the completion of your contact ask someone to send 325 again to reset the tone.

Or, Try using the other repeater which the club operates on 146.326/146.925. This is a perfectly good repeater which is about to be made even better with some newer equipment.

#### "ROCK-BOUND", NO CTCSS TONE, NO KEYPAD

Try transmitting on the output frequency (146.760 simplex) and ask for someone to turn the tone off using 325.

Sam has requested that if you have a concern about the issue of tone control, you should attend the next Technical Committee meeting on August 2nd. The meeting will begin about 7:00 pm. Please bring your 2-m transceiver or at least bring a list of the tone frequencies your transceiver is capable of producing. Perhaps there can be a resolution to the "What is the best tone frequency?" question. If you cannot attend the meeting but wish to let your frequency list be known, send the list to Joe (KD4RWX) Joe, KD4RWX

### VEEP'S CORNER

Another month, another article. We had a very good meeting on July 12. Good attendance and lots of participation from the floor. Hein, N4FWA filled us in on the latest doings of Skywarn and ARES and I was asked to give a schedule of upcoming speakers at the meeting for the rest of the year. For those who were not at the meeting here is what we have scheduled.

Aug.: Greg, N4PGS, will talk about the BBS and Packet.

Sept.: The club picnic at McIntire Park, shelter # 3, Tues. Sept. 13th.

Oct.: Bob, W4NPX will talk about AMTOR and other forms of communication.

Nov.: Leroy, WA4MHP, will clue us in on Transmitter Hunts, techniques, and equipment.

Dec.: Pat, N0RDQ, will get into Traffic Handling.

Should be a lot of interesting information on a variety of subjects. One of these days, when the VCR is in the meeting room, we can get a look at the tape from TenTec. It is an interesting presentation. We still are looking for volunteers to take charge of organizing the food for the picnic. If anybody wants to take that on please get in touch with me either via the BBS or at 823-1128.

I think that is about it for this month. The pool is calling. 73.

Rick (K04WQ)

#### THE GOOD OLE DAYS (at least "OLD" DAYS)

In the late 1960's the Albemarle Amateur Radio Club's participation in the annual ARRL Field Day was about 1/2 social occasion and 1/2 contest. The problem with having the event close to town was that people would show up for a bull session and few people wanted to stay up all night and work the contest. About this time, or perhaps the early 70's, our then President, Bob Mahoney, WA4???, owned a cabin/retreat/camp (depending on what section of the country you are from) near Howardsville. I would say "on the James River" which is literally true in a horizontal direction, but the vertical drop of

about 300 ft almost straight down meant you didn't get very close to the water. He volunteered this location to the club for Field Day. Due to the distance involved, it meant that people would likely come down and stay a while - at least long enough to get some operating in - and many would stay the night.

Our operating radios were a HW-12 for 75 meter phone (where most of the contact were made) and a HW-100 all band transceiver for "all those other bands" and the CW nuts. The club was blessed with a 1200 watt generator mounted on a trailer run by a 4 cylinder Continental engine. Today you can get that much power in a large box size. The nice thing about the generator was that it automatically started when a load was applied so you could park the thing far away from the operating location. The bad thing was that you had to tow it to the location, then talk two people out of their car batteries to start and run it. At least that guaranteed that two people would stay for the duration of the event. I'm not sure we ever operated ALL night, but the night owls would last until 2 or 3 am and the early birds would get things cranking about 5 am, so we didn't miss much time (there was no select start/stop time in those days, the event started at a certain time and ended 24 hours later).

The 75 meter antenna was strung from a point of land across to the house, which left the center point about 100 feet from land in the center and 300 feet from land straight down. Probably few people ever had a 75 meter antenna mounted the recommended 1/2 wave above ground, but we did. The "other" rig ran from a multiband vertical mounted over the tin roof of the main building. What a ground plane!

The most memorable experience of K4RKA was getting up at 5 am or so and working CALIFORNIA on 75 meter phone. The next best thing was Mac McMurdo, W4VIG, cooking breakfast. He would always show up with his gas stove and all the cooking stuff to prepare some pretty good "out in the woods" meals. I don't remember the club ever doing very well in the points category, in fact it seems we were always easy to find in the results, at the bottom either before or after the Boy Scouts. I think we had our own little contest going for many years, I wonder if they knew it.

This site was used for several years until Dick, W4OFR, parked the generator on an incline one year. Sure, he and Gene, W4TWW, checked the oil on a regular basis but the generator froze up one night- BECAUSE THE OIL PUMP WAS ON THE UPHILL SIDE and the oil was all on the downhill side!!! Since there was no commercial power at the cabin, that did it for that location.

Just think how much easier it is today with one car battery and a rig which weighs 1/2 of that and you can operate the whole contest. No (extra) noise, no high voltage to arc over on a humid morning, no tingles when you grab the mike or key, .... no Mac to cook eggs and bacon and hamburgers. Ah, well, we are doing much better in the points standings these days. Downright difficult to find us up there in the middle of the pack. The best thing today is the amount of enthusiasm and the number of new folks who show up and make a CONTEST out of it.

73 & 30 Ron (K4RKA)

## BITS AND PIECES

(Where some items may be recur.)

### NEW DIRECTORY PRINTED

The 1994 Directory is now available. Many copies were distributed directly to save postage. Now the remaining copies have been mailed. The Directory has some new features. I would appreciate any comments which might make the next one even better. Most of all I want to receive any corrections so that the next issue will be more accurate. Please check elsewhere in this and future issues of the Newsletter for corrections, additions, and deletions. This is one document which requires your assistance to be up-to-date.

Joe, (KD4RWX)

### NEW MEMBERS

Jay Evans	KE4OMD
Donna Hancock	KD4HOA

### NEW CALLS FOR NEW HAMs

Janet Sutter	KE4NNT
Paul Lowe	KE4OIC
Ken Brunk	KE4OIE
Jay Evans	KE4OMD
Brian Scott	KE4OI?
Jessie Preston	KE4OI?

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### WEDNESDAY NIGHT NET NEWS

The Wednesday Night ARES Net is moving! Starting the first Thursday in August (August 4th), the regular Wednesday night net will be held Thursday night, same time, at 8PM.

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### Duvall Harmonic Has Accident

Master Brian "Mr. Smile" Duvall, son of Sharon (KO4OC) and Mike (AC4ZQ) Duvall sustained internal injuries from a recent fall while playing. He is currently in the University of Virginia Hospital for observation. So far, he has already caught the eye of several UVA nurses and word of his charm is spreading like wildfire.

It is expected that he will fully recover after a significant period of reduced activity. This, as you can imagine, will be a tough task for a young child, especially Brian. He will likely be out of the hospital when you read this. Our best wishes for a speedy

recovery go out to him. And, of course, our hope is that Mom and Pop Duvall can endure the unexpected quietness around the house.

### ===== ARRL Bulletin 56 =====

From ARRL Headquarters      Newington CT July 1, 1994

To all radio amateurs

#### Look at that license

Amateurs receiving new or modified FCC licenses after June 8, 1994, should carefully note their expiration date. Only new, first licenses or specific renewals have a full 10-year term.

Amateur license upgrades, changes of address, call sign, or name, are processed with the original expiration date intact. That is, they are not automatically extended for 10 years.

The FCC, using new computer software recently installed, is processing amateur licenses in this manner to conform with to the way in which it processes all other Private Radio Service licenses.

The FCC currently recommends that amateurs submit license renewal applications 60 to 90 days before their expiration date. The Commission said it intends eventually to mail license expiration notices to amateurs. In the meantime, the ARRL is sending license expiration notices to ARRL members, along with an FCC Form 610 and a return envelope to the FCC's licensing division in Gettysburg, Pennsylvania.

### ===== END ARRL Bulletin 56 =====

### AREA HAMs RESPOND TO LOCAL EMERGENCY

Recently, several area Hams responded to the local emergency concerning the Piedmont Health Care evacuation of patients. My recollection of the facts are subject to revision but I think that Robert (KE4AQD) was placed into service at the 911 Center where he served as Net Control until he was relieved later on by Mike (AC4ZQ). Brian (KE4HIA) responded to Charlottesville High School where a shelter was being established. Bob (KM4DU) went to the Piedmont Health Care site where he was later joined by Joe (KD4RWX). Sam (N4WJQ) and Hein (N4FWA) were located at some other site which I now do not recall.

There were other Hams who were standing by for assignment if they were needed. I only recall Pete (KC4UCK), but I am sure there were others. If I have left any participants out, I am sorry. My mind was on the action and not on the details.

We learned some things about our performance which can be improved. We are already addressing those issues so that we will be better prepared next time.

As a result of the emergency, the local Emergency Preparedness group decided to cancel the September Earthquake Drill.

Joe (KD4RWX)

## VE EXAMS

### VE TESTING INFORMATION AROUND THE REGION FOR JULY - OCTOBER

07/30/94	5 Gloucester	804-484-2857	Fran Sterling
08/06/94	A Herndon	703-450-2304	Michael Weber
08/06/94	A Sterling	703-450-2304	Michael Weber
08/12/94	A Galax	703-766-3121	Joseph A. Kolb
08/13/94	L Alexandria	703-455-1510	Frank Mackey
08/13/94	A Harrisonburg	703-856-8012	Marshall Cooper
08/13/94	A Richmond	804-798-5048	Rick Cook
08/13/94	A Virginia Beach	804-468-9166	Judy Rogers
08/27/94	A Fredricksburg	703-373-7076	Carolyn Cavanagh
09/09/94	A Galax	703-766-3121	Joseph A. Kolb
09/10/94	L Alexandria	703-455-1510	Frank Mackey
09/10/94	A Culpeper	703-547-3089	Bill Brown
09/17/94	A Coeburn	703-395-6595	Clinton Hawkins
09/18/94	A Virginia Beach	804-898-8031	Ed Brummer
09/24/94	A Charlottesville	804-973-1094	John Gray
09/24/94	5 Gloucester	804-484-2857	Fran Sterling
09/24/94	W Roanoke	703-366-6266	Fred L Horton
10/01/94	A Toano	804-253-2811	Andrew Swanson
10/01/94	A Williamsburg	804-253-2811	Andrew Swanson
10/08/94	L Alexandria	703-455-1510	Frank Mackey
10/08/94	A Harrisonburg	703-856-8012	Marshall Cooper
10/08/94	A Richmond	804-798-5048	Rick Cook

A = ARRL 5 = W5YI L = Laurel

### Virginia Slow Net

#### Note Time change Starting in August

The VIRGINIA SLOW NET meets each night on 3680 at 8:30 p.m. This a CW traffic handling training net which provides organized instruction in the procedures of passing CW radio messages. For more information, locally, contact Pat (NORDQ) or Brian (KE4HIA). They report that the VSN provides for good CW skill building.

## FOR YOUR INFORMATION

### The Aviation Experience: An Aviation Industry Course

Beginning date is September 13, 1994

An Overview of the Aviation Industry - begins with the basics of flight, that beautiful dimension that transcends us mere mortals to travel like the superman, only in one of mankind's most remarkable works of art in technology, the airplane. The course will offer the opportunity/option to fly in an airplane and experience a field trip each Saturday morning to air traffic control centers, the museum of flight in Richmond along with other air operations at Sandstrom Field, etc. Tuesday evening meetings will provide the opportunity to speak with industry experts and professionals from general aviation, the airlines, with some excellent ETV programs that bring recent issues and industry business to you by video tape along with the big names in the industry. After flight we'll cover flying weather, how to best get a private pilots license, the general aviation industry as a career, airlines, military aviation, answer questions such as why airplanes crash (case studies), can you get a good job in aviation.

Instructor - Glenn R. Showalter, M.S.(WB7QWB), commercial pilot. Location: Charlottesville Albemarle Vocational Technical Center (CATEC) on East Rio Rd. For additional information and a course description contact John Baker at 973-4461.

Glen (WB7QWB)

## JULY T-HUNT RESULTS

The July transmitter hunt was conducted on July 24th. Pete (KC4UCK) and Pete (AD4TU), of Field Day fame, hid the transmitter. A very small group of hunters were able to locate them in just over an hour. They were hiding in the region of the Stony Point school.

The Hams who looked for them were: Greg (N4PGS), Phil (KD4BMQ), and LeRoy (WA4MHP). Phil and LeRoy arrived first.

## AUGUST T-HUNT

The next transmitter hunt will be conducted by Jan (KE4NNT) and Jennifer (KD4NRA) on August 21 at about 1:30 pm. Listen on the 146.760 repeater for the start. 147.540 will probably be used for the actual hunt. Rumor has it that the young ladies believe that they can hide a transmitter as well as anyone they have seen do it. I suspect they may be right. So, all of you budding DFers better polish up your equipment and get ready for the Jan and Jennifer show. They could present some tough problems for those hunting the transmitter.



## PUBLIC EVENTS 1994

**MSB3---Multiple Sclerosis Harvest Tour, Saturday 10 September 1994.**

Same route as last year. Start and finish at the Meriwether Lewis Elementary School. All day event with 25 mile, 50 mile and 100 mile loops.

**DRL1---Emergency Drill, Thursday 22 September 1994, 13:00?**

Albamar, Charlottesville, UVA emergency drill. Similar to emergency drill last year.

**CANCELED****HRT1---American Heart Association Walk, Sunday 02 October 1994, 14:00 EDT**

Last year this walk started and finished at the Barracks Road Shopping Center. Probably the same route this year.

**DIA1---American Diabetes Association Walk Sunday 02 October 1994, am?**

This walk is presently scheduled on the same day as the Heart walk.

Note: It might not be possible to resolve the date conflict between HRT1 and DIA1. Apparently their respective national organizations have mandated these dates nationwide. Last time the Diabetes walk was a morning event and the Heart event an afternoon event. I don't know what they will do this year, but there certainly will be some overlap. We might have fun with this and run both events on one net. A real test for Sam's, our Net Control Extraordinaire, multitasking capabilities.

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The following item appeared in the Richmond Times Dispatch on 27 April 94, Radio Impostor Is Sentenced .....by John Hoke

Roanoke - The Roanoke Phantom, a radio enthusiast who created chaos in the sky by posing as an air traffic controller, was sentenced yesterday to more than eight years in a federal prison. Rodney Eugene Bocook, 27, used a handheld, mail-order radio to broadcast bogus mayday calls and air traffic control instructions - including a command that ~~would have sent an airliner into~~ the side of Lewis Mountain. "I got to goofing around with the pilots," Bocook said at his sentencing hearing yesterday. "I thought they knew I was goofing around. They indicated they knew I wasn't an air traffic controller. I never tried to hurt anybody."

U.S. District Judge Samuel Wilson thought otherwise. "He intentionally endangered the lives and safety of the aircraft, crew and passengers," Wilson said. "I don't see how this differs from a person blindly shooting into a crowded theater. Wilson sentenced Bocook, who had pleaded guilty in January, to 100 months for transmitting false information that could endanger flight safety, and to 24 months for broadcasting obscenities. Wilson also fined Bocook \$2,000. The sentences, to run concurrently, will be served at the federal prison at Butner, N.C., so Bocook can receive mental health treatment. A psychiatrist testified yesterday that although Bocook suffered from depression and was being taken off anti-depressants at the time of the illegal broadcasts last summer, he was not legally insane or mentally retarded. Bocook also had a history of making threatening phone calls and once telephoned a bomb threat while he was in jail on credit card fraud charges. "He seems to have difficulty learning from experiences and projecting ahead the difficulties he is getting into," said Dr. Conrad Daum. "There is a blind spot in his mental makeup."

When Bocook began broadcasting to the commercial and private pilots flying into and out of the Roanoke Regional Airport last August, he triggered an intense investigation by the FCC and the FBI. He told pilots to abort takeoffs and landings, gave altitude and directional changes and called for help using the mayday call. Bocook, an unemployed janitor, frequently laced broadcast diatribes with obscenities, sometimes using an electronic squawk box, and occasionally identified himself as the Roanoke Phantom.

Air traffic controllers said the six weeks of bogus transmissions led to tremendous confusion and tension in the control tower and in the skies above Roanoke - but they were able to countermand false instructions before any aircraft were seriously endangered.

Bocook was arrested Sept. 22 after he was tracked by agents using radio direction finders. He was identified by his voice. Bocook said he made the broadcasts to aggravate the pilots and controllers and to provoke them to respond. "I was getting the impression that I was getting under their skin, but I never got the impression I was putting anyone in danger," he said. "I learned that it is not like a CB where you can goof off and not cause anybody any harm. ...I'm glad I got caught before anything happened."

..Submitted by Brian (KE4HIA)

## CLUB BUSINESS

## Board Meeting Minutes- July 5, 1994 7:00 pm

- o N4FWA moved that any money which might be received from Bike Virginia is to be used to purchase SIGNING materials for various Public Service Events. (Examples: SAG, MEDIC, SWEEP, NET CONTROL, ROAM, etc.) **Motion Passed.**
- o Discussion about meeting structure. Perhaps we can try to conduct business following the Speaker.
- o Joe (KD4RWX) will check on cost of Name Tags for meetings.
- o The Scholarship proposal at the previous meeting was deemed too complicated for the AARC to undertake at this time and no recommendation to establish a scholarship was approved. Party making the suggestion might seek other avenues. Note: The AARC has approved a library memorial for Ed Bernet (WA4UPI).
- o A recommendation was made that the Field Day Committee submit a budget for next year covering all expected costs including food.
- o Suggestions were made concerning more voice messages on repeater and more Greeting messages on Packet BBS.
- o Greg (N4PGS) and Hein (N4FWA) will check on 911 phone expenses and see if some reduction can be obtained.

## AARC Regular Meeting Minutes--July 12, 1994 7:30 pm

- o Two new members were proposed and accepted by voice vote. They are: Donna C. Hancock (KD4HOA) and Jay C. Evans (KE4OMD)
- o The ARES Wednesday night net will change to Thursday nights beginning August 4th. Time will remain at 8 pm.
- o New Novice/Technician class to begin. (See page 9)
- o VE Examination Session will be conducted on Saturday, September 24th. Contact John (W6UZ) or Pat (N0RDQ).
- o Unofficial Field Day results: Total QSOs = 873 (470 by CW and 403 by phone) TOTAL POINTS = 2246
- o We received a Notice of out-of-band operation during Field Day event.
- o Hein received a note of thanks from Bike Virginia concerning our assistance with that event.
- o Hein reported that Kay Harding said Piedmont Health Care intended to donate money to groups who assisted them during their recent emergency.
- o A comment was made concerning the local "Standard" for power quick-connectors. (Note- Expect a more complete article concerning the whole issue of emergency preparedness, including the above mentioned connectors. **(Do I hear any offers for writing such an article?????)**)

**Thanks to Mike (AC4ZO) for recording the Minutes in my absence.....**Respectfully submitted: Joe (KD4RWX), Secretary

## 1994 AARC TREASURER'S REPORT SUMMARY

	JAN	FEB	MAR	APR	MAY	JUNE	JULY
CLUB	1427.13	1573.13	2000.13	2047.45	1983.77	2089.45	2220.45
REPEATER	995.89	1041.33	1165.86	1205.86	1486.27	1897.42	1969.57
PACKET	5.00	10.00	55.00	0.00	0.00	0.00	0.00
TOTALS	2428.02	2624.46	3220.99	3253.31	3470.04	3986.87	4190.02

Sharon (KO4OC), Treas.

AUGUST 1994						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 Information Net 7:00 pm	2 Board Meeting & Technical Session 7:00 PM	3 Lunch Bonanza 11-1	4 ARES NET 8:00 PM	5	6 KD4NRE
7 W6UZ	8 Information Net 7:00 pm	9 AARC MEETING 7:30 PM NRAO Building, UVA Grounds	10 Lunch Bonanza 11-1	11 ARES NET 8:00 PM	12	13 AD4TU
14	15 K4FRV KD4WXY Information Net 7:00 pm	16	17 Lunch Bonanza 11-1	18 ARES NET 8:00 PM AD4QV	19	20
21 T-HUNT	22 Information Net 7:00 pm	23	24 Lunch Bonanza 11-1	25 ARES NET 8:00 PM	26	27
28 KB4JNH	29 WD4PID Information Net 7:00 pm	30 KD4USX	31 Lunch Bonanza 11-1 KATIE FRITZ 5 years old	CLUB PICNIC ON SEPTEMBER 13th VE SESSION ON SEPTEMBER 24th		

## FOR SALE or WANT

\* UPDATED 7/20/1994 \*

## FOR SALE: 2M MOBILE

6/30/94

Joe, W2PVY, has a Kenwood 7400 2m mobile for sale (it might need a microphone). If interested, call him at 589-1495.

## FOR SALE: 2M ANTENNA

6/30/94

Joe, W2PVY, has a 2 meter Isopole antenna for sale. If interested, call him at 589-1495.

## FOR SALE: DRSI PACKET ADAPTERS

7/6/94

I have for sale two Type 2 DRSI Packet Adapters. These each have two 1200 baud ports. Both cards can be used simultaneously in one machine on one interrupt, freeing up serial ports for more important things. The cards cost 179.99 + shipping + tax - each. I will sell each for \$145.00. The cards are as new with boxes, manuals, warranty cards, software, etc. They can be used with the included software, G8BPQ packet switch software, F6FBB BBS software, the Packet Cluster software, etc. I will not ship. Pickup only. Replies via packet radio only, please. Wes - KQ4OK @ KQ4OK.VA.USA.NOAM Modem Port: (703)-943-6978 Up to 21,600 bauds on a i486DX2 66

## FOR SALE: FT-470 DUAL BAND HANDTALKIE

7/13/94

Rick, KO4WQ, has for sale a Yaseu FT-470 dual band (2m and 450MHz) handtalkie for sale. Included is a 5 watt battery, wall charger, extended antenna, and a DC module for powering the rig and charging the battery from a car. If interested, call him at 823-1128.

## FOR SALE: 386 COMPUTER

7/20/94

Hi, I have a Packard Bell Legend for sale. It is a Legend 38651, 80386sx microprocessor operating at 8/16 Mhz. 2mb of RAM standard, 40mb hard drive, 800 by 600 super VGA video controller, VGA color monitor, mouse included, 3.5" 1.44 mb and 5.25" 1.2mb floppy drives, 1 serial port, 1 parallel port, 1 mouse port, 1 game port, and 1 VGA port, MS DOS 5.0 OPERATING SYSTEM WITH MS-DOS SHELL AND Q-BASIC, MICROSOFT WINDOWS 3.1 VERSION, LOTUS WORKS FOR WINDOWS, VERY NICE UNIT 2 YEARS OLD AND NOT THREE MONTHS OF USE. GOT A NEW ONE. WILL SELL FOR 600 DOLLARS, PLEASE CALL 804-823-7289 AND LEAVE MSG. THANKS FOR READING ...BUTCH, KC4TWE

## FOR SALE: BEAMS, BRICKS, BATTERIES, POWER SUPPLY

7/20/94

A local ham has a bunch of stuff for sale, including the following: MFJ 3 element Beam (mobile), 5 Element Beam, 12 Amp Power Supply Give me a call and make a deal. All prices do NOT include shipping. Pat, N0RDQ, 978-4117.

## FOR SALE: DAIWA AMP for 2 Meters

7/20/94

I have in my hot little hands a Linear Amp for 2 Meters. The model number is LA-2035R and it is for 2 Meters only but does have a preamp, does SSB and FM. Let me know if you are interested. For you who use a handheld in the car, PLEASE consider getting this. Pat Wilson, N0RDQ, 978-4117.

**NEWSLETTER CORRECTIONS****Correction of July Newsletter**

I indicated that W4OTF's phone number had changed. That WAS INCORRECT. W4OTF's phone number IS CORRECT in the 1994 DIRECTORY.

It is **W4OTF (804) 973-7726**

**DIRECTORY CORRECTIONS**

The following correction should be made in the DIRECTORY

**ADDITION**

**KE4OMD T M-1994**  
**Jay C. Evans**  
**Rt. 3 Box 411**  
**Rochelle, Virginia 22738**  
**(H) 703 948-4561 (W) 703 832-2253**

**CHANGE of ADDRESS**

**Tommy Moore, WB5BNT**  
**Rt. 1 Box 98**  
**Ruckersville, VA 22968**

**PHONE NUMBER CHANGES**

CALL	home	work
AA4CN	(804) 456-8405	
KA4VMP	(703) 337-1139	
W4OFR	(804) 974-9852	

**CALL CHANGES**

Name	From	--->	To
Pete	KR4PU	--->	AD4TU
Jerry	N9FAI	--->	KE4NHP

See page 3 of DIRECTORY for the following

<b>Janet Sutter</b>	<b>Pending</b>	<b>---&gt;</b>	<b>KE4NNT</b>
<b>Paul Lowe</b>	<b>Pending</b>	<b>---&gt;</b>	<b>KE4OIC</b>
<b>Ken Brunk</b>	<b>Pending</b>	<b>---&gt;</b>	<b>KE4OIE</b>
<b>Brian Scott</b>	<b>Pending</b>	<b>---&gt;</b>	<b>KE4OI ?</b>
<b>Jessie Preston</b>	<b>Pending</b>	<b>---&gt;</b>	<b>KE4OI ?</b>

(For the record Janet waited 14 weeks and a couple of days for her ticket. Wouldn't you know that the backlog was cleared at the same time, since Jessie, Paul, Ken, and Brian received their ticket in about 9 or 10 weeks. I will report the actual calls for Jessie and Brian next month. Listen for Jessie on the air in August. Brian is currently in the U. S. Navy and out of town.)

**MUSINGS-PRAYERS-WISHES**

Over the last few months I have enjoyed producing the AARC's Newsletter. I have learned just how much effort goes into such an endeavor. Having never undertaken such a task before, I had never given much thought to the many requirements associated with putting out a monthly newsletter.

The first thing that became apparent was that the next month came more quickly than they previously did. I don't know just how much my life is out of sync with yours, due to that "fact" alone. A real time warp for sure. The next thing I noticed was how important the contributions from others contributed, not only to filling space, but to making the newsletter seem so much more a part of our Ham community.

I am too old to be concerned about the time warp. My resulting confusion can easily be attributed to the natural aging process and no one will bat an eye when I enquire about why we haven't had any snow yet and it still is July.

However, the second issue is a problem. I am unable to sustain an interesting and an informative newsletter unless some of the AARC members come forth with some articles. It can become addictive. I started making contributions after Ed (KC4YLX) made a similar plea to a group at a Wednesday lunch gathering. Finally, I started to contribute some material about Awards. And, here I am doing the same thing.

**Please. Give some consideration to writing something for the Newsletter.** A variety of topics will make this so much more fun to read each month.

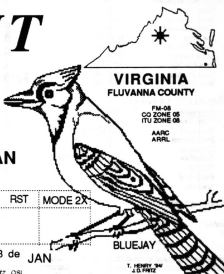
Now the burden of the Newsletter's quality is on your shoulders. You cannot say you were not asked. When the Newsletter finally becomes a two sheet, every other month document, will you be able to look at yourself in a mirror. Of course you will- I just thought I would give that worn out ruse a chance to work.

On the serious side. I appreciate those articles which have been submitted in the past. Special thanks go to K4RKA, KC4TQF, N4PGS, KO4WQ, N4FWA, W2PVY, KE4HIA and I am sure I have missed some one, \_\_\_\_\_ just write your name in the space provided.

Send your contributions via packet, letter, telephone, Internet e-mail, and passenger pigeon (I don't have a cat). Full articles, a few paragraphs about late breaking news, your life story, your favorite Ham experiences, or fiction stories related to Amateur Radio are welcomed. Thanks.

I must go now. The phone is ringing. Another news item, I bet. Sorry, it was just someone wishing to take my picture. If they only knew the damage their equipment would sustain. Joe

United States of America						
<b>KE4NNT</b>						
<b>JANET SUTTER</b> 757 JEFFERSON DRIVE EAST PALMYRA, VIRGINIA 22963						
				<b>VIRGINIA</b> FLUVANNA COUNTY		
CONFIRMING 2X QSO WITH STATION				<b>JAN</b>		
DAY	MONTH	YEAR	UTC	MHz	RST	MODE 2X
TNX QSL <input type="checkbox"/>		PSE QSL <input type="checkbox"/>		Thanks for the contact. 73 de <b>JAN</b>		
A KD4RWX on the freq QSL						



## Be Like Jan and Get Your Own Unique Call for Your Own QSL Card BECOME AN AMATEUR RADIO OPERATOR

The Albemarle Amateur Radio Club will be conducting a class for individuals who would like to become Amateur Radio Operators. Classes will begin **August 31st**. Classes will be held on **Wednesday nights** and they normally run from **6:30 pm to 9:00 pm**. The classes will be held at the Charlottesville-Albemarle Technical Education Center (CATEC) located on East Rio Road.

Participants will study the theory, practices, and rules which are required to earn an entry Technician license for Amateur Radio. Morse code (CW) will be taught for those who wish to earn a Novice or a Technician with HF privilege license. Examinations for the Novice and Technician licenses are usually available somewhere in the region near the end of the class.

There is no charge for the class instruction. However, participants are encouraged to obtain the book **NOW YOUR TALKING** which serves as the basic text for the course. For those who wish to learn CW an additional audio code tape will be suggested. These materials cost less than \$30.

Before long you too could be sporting a nice QSL card like Jan Sutter's. There are many facets to Amateur Radio and exchanging QSL cards is just one. With the proper license and equipment, you can talk to other Hams all over the world. You can assist in local public service events, lend a hand during local and regional emergencies, and meet many new friends.

So how about it! Why don't you plan to take the plunge- Become a Ham. If you are currently a Ham, why not encourage someone else to get involved. People of all ages (well nearly) are Hams. Some get started early and others wait until middle age or beyond. And, anyone reading this is old enough to pass the exams.

More information will be in the September Newsletter. If you would like to talk to someone about the classes, call:

Harry Dannals (W2HD) at (804) 974-7388 (an "old" - old Ham), or

Joe Fritz (KD4RWX) at (804) 973-1738. (an "old" - new Ham)

Let us know of your interest.

# 1994 - ALBEMARLE AMATEUR RADIO CLUB - 1994

## OFFICERS & BOARD MEMBERS

President	Greg Faust	NAPGS
Vice-President	Rick Berman	K04WQ
Treasurer	Sharon Duvall	K04OC
Secretary	Joe Fritz	KD4RWX
Director	Harry Dannels	W2HD
Director	Mike Duvall	AC4ZQ
Director	Sam Gentry	N4WJQ
Director	Hein Hvatum	N4FWA
Director	Bob Pattison	KM4DU

## COMMITTEE LEADERS

Director	Committee	Chairperson
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Hein Hvatum, N4FWA	Technical	Sam Gentry, N4WJQ
Harry Dannels, W2HD	Publications	Joe Fritz, KD4RWX
Mike Duvall, AC4ZQ	Education	Bob Ross, W4ZMF1
Sam Gentry, N4WJQ	Activities	Hein Hvatum, N4FWA
	Digital	Roy Lane, W4OTF
	Recycling	Ron Richey, K4RKA
	Awards	Joe Fritz, KD4RWX

## OTHER POSITIONS

ARRL Liaison	Pat Wilson	N0RDQ
ARES/RACES Coordinator	Hein Hvatum	N4FWA
ARRL VE Coordinator	John Gray	W6LZ
Trustee	Morris Jones	N44R
Newsletter Editor	Joe Fritz	KD4RWX

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

Phone: 804 973-1738

packet: KD4RWX@WA4TFZ.VA.USA.NOAM

Internet: Fritz@pen.k12.va.us

## 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 special circumstances it may be possible to send information a day or two later. Check with me. Joe, KD4RWX

|| AARC BULLETIN  
|| Contact Information

## 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	91.5 Hz (If enabled, DTMF 325 will produce temporary Tone off/Tone on)
	911 Autopatch.....access.....DTMF 911
	exit.....DTMF #
	Time.....DTMF 10
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 Packet Bulletin Board

## NETS

### Northern Piedmont Emergency Net

146.76 repeater Wednesday 8:00 p.m.  
Plus Swap/Trade & Technical sessions  
Net Control: Morris, N44R

### Information Net

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

Albemarle Amateur Radio Club  
P.O. Box 6833  
Charlottesville, Virginia 22906



AARC

ESTABLISHED 1962



WA4TFZ



FIRST CLASS MAIL

Please check your mailing label for correctness of the information. Especially check- name, address, license class. Notify Joe (KD4RWX) of corrections needed.

CORRECTION OF LABEL INFORMATION REQUESTED -> TO CORRECT CALL PHONE 973-1738  
KA4JJD N 1994 CURRENT MEMBER

YD

Michael F. Rein  
109 Sturbridge Rd.  
Charlottesville VA 22901