

## **AARC Meeting Minutes 11/14/2023**

Meeting started by John Porter, VP at 7 PM. Meeting held at PVCC and via Zoom.

New member voted in: Stephen Bach, AA4B.

### **Treasurer's Report** - Larry Eicher:

Balance in our UVA AARC checking account as of 11/14 is \$32,736.02. All bills that have been presented to me have been paid. If anyone has purchased something for the club and wished reimbursement, please let me know before the end of the year.

If anyone anticipates any expenditure on behalf of the club that will require reimbursement from the AARC checking account, also please advise.

Finally, as we soon enter the New Year, if anyone is interested in being on the Financial Committee with me in 2024, please let me know.

Respectfully submitted,  
Larry Eicher K4JZQ  
Treasurer  
Albemarle Amateur Radio Clubf

### **Technical Report** - Bill Pond:

All repeaters are stable. Some audio issues on 925 link to other repeaters. Committee is planning a fix.

### **Fund Raising Report** - A.J. Miller:

He has multiple items for tonight's raffle including an Icom 2m HT.

A.J. requested \$200 for 5 Baofengs for Awards party raffle.

### **Education Report** - Bob Pattison:

Planning Technician class for early 2024. Need instructors. Hank Perritt is organizing.

### **Public Service** - Dave Damon:

Event this month canceled. No other events planned.

**Estate Sales - Ed Berkowitz:**

He sold Alpha amplifier for \$2400. Sold other equipment including to ham in Australia. Advised members to check Swapfest frequently.

**Other business:**

John Porter: Nominating committee needs to pick slate of officers for January meeting vote. Dave Damon is head of nominating committee. John asked for volunteers to assist Dave and to run for club offices. Maximum 3 consecutive terms for President and vice-President.

Note from Secretary: Stephen Kramer, KN4CJI, submitted an email to Bob Romanko last month stating his intention to not run for secretary next year.

Allan Graves of Greene county radio club issued challenge to AARC for VA QSO contest.

**Awards Banquet in December:** Ed Berkowitz said our annual Awards dinner will be held December 12th at 6 PM at Wood Grill. He reserved a room. We need to guarantee minimum of 35 people to get reduced rate. We get senior discount and cost should be \$16-20 per person. Emphasis will be on social gathering with awards done on powerpoint slides. Certificates printed upon request by recipient.

Two motions proposed by Ed: 1) club should make up difference between number of attendees and 35 minimum, if needed. This motion was approved.

Second motion: \$200 requested by AJ Miller for getting prizes for club raffle at dinner. This motion was approved.

Ed will send a signup sheet online. Please signup and indicate number of people planning to attend.

## **Presentation by John Green, KX4P**

"Seeing the invisible universe - Radio Astronomy"

John Green is from Chapel Hill, NC and used to be active in AARC. 65 years a ham. Worked at NRAO, NSF and other places.

His presentation is about a trip he made to Green Bank observatory recently. John talked about visual vs radio astronomy. He reviewed some history of optical astronomy and then described radio astronomy history. He reviewed discovery of electromagnetic spectrum in 19th century and development of RA telescopes by Karl Jansky and Grote Reber who conducted first sky survey in RA.

Objects seen by RA include Big Bang, center of Milky Way, black holes, quasars, etc.

Karl Jansky investigated radio noise on 1930's radiotelephone service. Found sources of noise to be thunderstorms near and distant, sun and the Milky Way.

Grote Reber built first parabolic disk radio telescope, 9 meters diameter and steerable. Found noise sources from center of Milky Way.

Next major event was discovery by Penzias & Wilson at the Bell labs center in Holmsdel NJ of the Cosmic Microwave Background (CMB) radiation.

Aerocibo RA telescope in Puerto Rico was largest RA telescope in world until its collapse a few years ago.

The Society of Amateur Radio Astronomers held its annual conference in August of this year. They were able to get close up look at new Byrd RT at Green Bank, 100 meters diameter, fully steerable, bands 200 MHz to 116 GHz. Pointing accuracy is 2 arc-seconds.

Rest of talk showed slides of group visiting latest RT.

QnA followed.

Raffle held.

Meeting adjourned by John at 9:10 PM.

Respectfully submitted,

Stephen Kramer KN4CJI  
Secretary

**Attendees:**

**28**

John Porter	KK4JP
Stephen Kramer	KN4CJI
Larry Eicher	K4JZQ
Jim Wilson	K4BAV
John Green	KX4P
Robert C Newman	
Len Soika	KQ4BBR
Ben Casto	NX4S
AJ Miller	KE4AJM
Jim Owen	K4CGY
Nate Pedersen	N4PED
Tonya Pedersen	KQ4EUR
Daniel Stornetta	KQ4IGK
Joe Giovanelli	W2PVY
Ed Berkowitz	N3US
Dave Damon	K4DND
Bill Pond	N0WP
Rich Freeman	KI4QKV
Barbara Freeman	KN4LAH
Bob Pattison	K4DU
Robert & Beverly Bean	
Benjamin Kidd	KG4EIF
Ron Richey	K4RKA
Warren Yursik	KN4LYF
Frank Haynes	W4NUA
Steven Hull	KN4TKR
K. Gerry	