

ARCNEM
Amateur Radio Club of the National Electronics Museum
K3NEM - - W3GR
Minutes of April 11, 2019

Attendees:

Steve Stitzer – WA3ZWC	Zory Glaser – KB3VQC
Fred Kuss - KA3CXQ	Gary Hendrickson – W3DTN
Jim Nowotarski – N3GOO	Rich Moellmann – N3MOB
Tim Titus - W1TRT	Tim Ramsey – KC3FVB
Mike Coughlin – W3MBC	Jim Smith - AB3CA
Tim Pearson – K3TSP	Ted Bauer - WA3AER (phone)
Jim Smith – K3YMI	Tom Chistovich – K3YH
Kathlene Orson – KC3FWF	Alan Zimmerman – KM4ND
Alan Kealey – KA3KQM	

Zory Glasser KB3VQC, Vice President, convened members at 6:00PM.

The March 14, 2019 minutes were approved.

Action items are highlighted in yellow.

REPORTS

Treasurer – No Report

General fund
Sinking fund (tube, equip)
Total

Station Equipment and Operations

- **NG Net Wednesdays 3:00pm** - - Tom K3YH, Fred AI3Z, and Jim AB3CA continue to operate the net successfully with the Henry amplifier and correctly oriented antenna performing well.

Station Equipment/Issues –

On Saturday, April 6, 2019 Sam WC3SAM, Kevin KC3KZ, Fred AI3Z, Dan K2YWE, and Fred KA3CXQ teamed up to repair several issues with the antennas on the K3NEM tower. Sam and Kevin climbed; Fred (AI3Z) and Dan supervised from *terra firma*; Fred (KA3CXQ) and Kevin documented the event with photos. They realigned the antennas, tightened the loose clamps, and identified several problems. The clamps should be replaced with gripping clamps to prevent slipping. The triangular, sheet metal base plate has failed and should be replaced with a heavier, steel plate. The connectors

and coax will need replacement in the next year or two. This climb was long overdue and the weather cooperated for a successful recon and temporary repairs.

- **Replacement station amplifier** - - Discussions continue with Gary Johney - N3BYN who is working with the administrators of Alvin Glusick's estate in hopes of acquiring a replacement amplifier for K3NEM.

QSL Report - - No Report

Training Report -- The Extra Class ends on Thursday, April 11, 2019. The operating course will begin on Thursday, April 18, 2019 and run weekly for about ten weeks. Sessions begin at 6:30PM in Pioneer Hall. The sessions are stand alone rather than sequential, are presented by noted experts, and mirror the chapters in the ARRL Operating Manual (11th Ed.). **See tentative schedule and syllabus attached to these minutes.**

Special Event Report -

- ARCNEM will operate as W2W for the 75th anniversary of D-Day from Saturday, June 1, 2019 through Sunday, June 9th. The primary operating times will be on the weekend of June 1-2, but the station will operate throughout the June 1-9 window as operators are available. {D-Day is June 6th} Jim Smith AB3CA has reserved the W2W call sign and arranged for notices in magazines and on web pages. **Look for a sign up sheet on the reflector to reserve your operating position.**
- July 20, 2019 is the 50th anniversary of the Apollo 11 moon landing. Westinghouse designed and built the B&W TV camera that transmitted images to earth. For this they received an Emmy award. A duplicate of the camera along with the Emmy have been on display in the Museum for many years. To celebrate the event, ARCNEM has reserved special event call sign W3A to operate on Saturday, July 20, 2019. **Look for a sign up sheet on the reflector to reserve your operating position.**

2019 Field Day -- Rockburn Branch Park is reserved and permitted for the June 22/23, 2019 event. Plans include four operating stations, a greeting tent, and possible NVIS station. Details will be discussed at the May 2019 meeting.

OLD BUSINESS

- The 2019 membership is wrapping up. Several members renewed at the ARCNEM meeting. Members unpaid since 2017 will be dropped from the roster. Dues are \$15.00 per year for all members. The money is used to finance equipment maintenance and repairs. Membership forms are available on the K3NEM web page www.K3NEM.org.

- Kevin KC3KZ is serving as the club web master. He is migrating current Web files from antiquated systems to WordPress, a free and open-source content management system (CMS) based on PHP & MySQL.
- The Museum will relocate the North American Sabreliner from BWI airport to the museum in a middle-of-the-night move soon. The date is not yet set. This may be a fun event to watch. Monitor Museum news for the move date. <http://www.nationalelectronicmuseum.org/index.php/save-the-sabreliner/>

NEW BUSINESS

- Zory KB3VCQ called for members to share their ideas about future technical programs to complement the regular ARCNEM business meetings. He announced several upcoming programs.
 - May 9, 2019 an abbreviated ARCNEM business meeting followed by Rol Anders' operating class on Remote Station Control over Internet.
 - June 13, 2019 an abbreviated ARCNEM business meeting followed by Rol Anders' operating class on Disaster, Public Service, EMCOMM, and Traffic Handling.
 - July 11, 2019 a presentation by Jim N3GOO about the telemetry and communications from Apollo 11. This presentation supports the W3A event on July 20th.
 - The members discussed several ideas of how to provide member-only access to videos about operating the K3NEM station. We discussed YouTube, Facebook, K3NEM Web page files, and on site DVDs. Ted will talk to Nick about a system used by the Tipton Flying Club for how they approached this problem.

NEWS AND ANNOUNCEMENTS

4/18/19 through 6/20/19: Amateur Radio Operating Class. Ten Thursday evenings starting at 6:30pm in Pioneer Hall at the Museum. See attached tentative syllabus.

4/24/19: ***Grounding and Surge Mitigation Considerations for Ham Radio/Communications Facilities*** – Bruce Carpenter W3YVV
7:30 PM on the at the Women's Club Building, 384 Main Street, Laurel

4/25/19: Northrup Grumman Bring Your Kids to Work Day. NG employees may bring their children to the Museum between 9:00am and 2:00pm. ARCNEM plans to operate K3NEM during that time to give the kids a chance to learn about Ham Radio and get on the air. **Volunteers are needed. Contact Tom Christovich via the repeater.**

4/26-28/19: *VHF Super Conference* will be held at the Holiday Inn Washington-Dulles Intl Airport, at 45425 Holiday Drive in Sterling VA. <https://vhfsuperconference.com>

5/11/19: The Military Auxiliary Radio System will host this year's Armed Forces Day Crossband Test, scheduled for May 11, 2019. This annual event is open to all radio operators. The AFD Crossband Test is a unique opportunity to test two-way communications between military communicators and radio stations in the Amateur Radio Service (ARS), as authorized in 47 CFR 97.111.

5/15/19: ***Investigation and results of using batteries, especially lithium-based, for portable radio communications*** – Alan Zimmerman – KM4ND
7:00 PM at the Laurel Municipal Building, 8103 Sandy Spring Road, Laurel

6/19/19: ***Ham Radio DXing*** – Bernie McClenny – W3UR
7:00 PM at the Laurel Municipal Building, 8103 Sandy Spring Road, Laurel

The meeting adjourned at 7:40PM. Fred KA3CXQ showed photos of the tower repair on April 6th and the NEM Swapmeet in March.

The next meeting is May 9, 2019 at the National Electronics Museum.

Respectfully submitted by (not your elected or *de facto* secretary.)

{dah/dah dah dah/di dah dit/dah/di di dah/di dah dit/dit} Tim W1TRT.

Amateur Radio Operating Course Spring 2019

This is a tentative schedule. The specific topics on each night depend on the availability of the speakers. A firm schedule will be published before start of the course.

We are considering offering an evening on selecting equipment and setting up a station. It may be a separate evening, or it might replace the FM/Repeaters evening.

Text: The ARRL Operating Manual for Radio Amateurs, 11th Edition is now in four volumes, and I think they are all bundled in the printed version, but split into two Kindle books. The organization is different from the topic order below, but that will not cause a problem. The material in the Operating Manual is supportive to these talks, but not a specific text for them.

Course Organizer:

Rol Anders, K3RA roland.anders@comcast.net 410-796-4792

<u>Date</u>	<u>Title</u>	<u>Speaker</u>
Apr 18	All About Operating, Amateur Radio Organizations, Logging Software	Rol Anders, K3RA
April 25 W3UR	DXing/QSLing	Bernie McClenney Nick Yokanovich, K3NY
May 2	VHF/UHF Weak Signal Work	Brian Skutt, N3IQ
May 09	Remote Stn control over internet	Ike Lawton, W3IKE
May 16 KM4MD	Digital Modes Imaging Operating	Alan Zimmerman, Mike Birdseye, K4DUM
May 23	Contesting Awards	Dan Zeitlin, K2YWE Rol, K3RA
May 30	Propagation	Frank Donovan, W3LPL
June 6	Amateur Satellites	Glenn Long, KC4KMY Tom Jerardi, K3CXW
Jun 13	Disaster, Public Service, EMCOMM, and Traffic Handling	Dave Prestel, W8AJR Andy Protigal, N3AWP
June 20	Setting Up an HF Station	Alan Zimmerman, KM4MD et. al.