

General Meeting - September 28th 2018

I. Reports

A. President (*William Howard*)

1. Pay dues for membership for access to team drive and shack.
2. Complete the children on campus (Rule 1.7) training
3. Volunteer!
4. ARC Calendar available via google calendar. Add wvuarc@gmail.com.
5. Slack
 - a) Enable slack notifications
6. Trash needs to be taken away from the shack when full
7. Purchase of 10 baofengs for \$200.
8. Antenna build series - 5 J pole antennas build before or after the next general meeting.
9. W8CUL satcomms rehab
 - a) Ability for total automation
 - b) Defunct
 - c) Dr. Mehta may help with funding to repair and/or upgrade the current system

B. Vice-President (*Troy Pally*)

1. Hours incentive program
 - a) Members who get their tech license and participate in 25 hours of volunteering will receive a baofeng radio.

C. Secretary (*Jeffrey Moe*)

1. Weekly updates
 - a) Email me if you would like to see something in the update (jlmoe@mix.wvu.edu.)

D. Treasurer (*Nathanael Freeman*)

1. Yearly Dues - \$20
2. 28 Members in the club
3. Apparel for Sale!
 - a) Potential to order synthetic material

E. Ham Shack Manager (*Cameron Hale*)

1. Repeater Coordination
 - a) The coordination efforts are going well and almost all the required information has been gathered.
 - b) DMR Repeater
 - (1) Motorola XPR 8400(8300) \$1500
 - (2) Bridgcom BCD-440 \$330
 - (3) DMR Mobile Connect Systems CS-800D \$350
 - (4) Total: \$2,200

- (5) Still need antenna
- (6) General consensus approves of this purchase
- c) Equipment Checkout sheet will be posted near the door

F. VE (*Leah Jankowski*)

- 1. Testing session after meeting
- 2. Tech in a day occurred between 10AM-4PM on September 29th
- 3. Pizza
- 4. Free radio to person who does best on tech exam

G. Activities Manager (*Bryan Paddock*)

- 1. Ronald McDonald house volunteering every week
- 2. Tech in a day need volunteers
- 3. IEEE and ARC soccer collaboration

H. Communications Director (*Emily Certain*)

- 1. Fill out team member Thursdays!
- 2. Take pictures at volunteering events!
- 3. Follow us on facebook, twitter, and instagram!

I. EmComm Coordinator (*Adam Roh*)

- 1. Marathon went well, limited communication problems
- 2. Tygart lake - 50 Shades of gravel
 - a) UHF repeater is questionable for the application
- 3. Weekly net need more participation
 - a) If 20 people are on the net in one week, there will be an ice cream party.
 - b) If you need a radio for the net, you can borrow one from the club
- 4. Homecoming parade
 - a) October 5. Meet at 5:30PM on prospect street by the Daily Athenaeum building.
- 5. Go kits
 - a) Dual band HT baofeng UV-5R
 - b) Mobile transceivers - Kenwood TM-281A

II. Upcoming Projects/Tasks

A. RockSat-X

- 1. New project regarding the following
 - a) Extending/deployable antenna
 - b) Measuring data transfer rates
 - c) Live tracking of payload
 - d) Real time landing prediction
- 2. Graham McConnell(gamccconnell@mix.wvu.edu)
- 3. Jeffrey Moe (jlmoe@mix.wvu.edu)

- 4. Will Howard (wwhoward@mix.wvu.edu)
 - B. ThinSat
 - 1. Slice of bread satellite
 - 2. 5 day orbit
 - 3. Part of an ISS resup mission
 - 4. Design low power transmitter
 - 5. Design low cost ground station kits for high schoolers
 - C. Shack Vent - the shack is very hot right now, looking for a cooling solution
 - 1. One AC unit need to de-flap
 - D. Antenna Analyzer - needs to be fixed and finished.
 - E. HF Transceiver Build - contact will at wwhoward@mix.wvu.edu if you are interested
 - F. Assets log / inventory
 - 1. We want a way to track our stuff
 - 2. Meet at coffee hour if interested
 - G. NOAA Satellite Receiver
 - 1. Finish off building the project
 - 2. Put antenna outside
 - H. SGA Proposal
 - 1. Ask for money
 - I. Shack Task List
 - 1. Updated wednesdays
 - 2. Posted in shack by door
 - J. Hutch Renovation
 - 1. Antenna Patch panel
 - 2. Paint color suggestions
 - a) Blue and or gold (Kurt)
- III. Upcoming ARC Events (5 minutes)
- A. Coffee Hour - Fridays from ~9-11:30 in the Shack
 - B. Tech in a Day
 - 1. October 27
 - C. Ronald McDonald House
 - 1. Every sunday
 - 2. Contact Bryan Paddock for more information (bmp0002@mix.wvu.edu)
- IV. Upcoming Volunteering
- A. Saturday, September 29 - Fall Family Cookout
 - B. Saturday, October 13 - Discover WVU
 - C. Friday, October 19 - Pumpkin Drop and STEM Zone
 - D. Saturday, October 20 - High School Visitation Day
 - E. Saturday, October 27- Mystery Lunch
 - F. Saturday, November 3 - Discover WVU
 - G. February 17-23 - Engineers Week 2018
 - H. Saturday, February 9 - Merit Badge University

- I. Saturday, February 23 - TEAMS Competition
- J. Saturday, March 2- Girl Scout Day
- K. Saturday, March 23 - Decide WVU Day
- L. Saturday, March 30 - High School Visitation Day
- M. Saturday, April 13- Decide WVU Day
- N. Weekly event
- V. Vanscoy's Corner
 - A. wesley methodist church
 - 1. Event last Sunday of October (28th)
 - 2. Foxhunting
 - 3. Contact tmpallay@mix.wvu.edu
- VI. Open Floor
 - A. Dr. Valenti
 - 1. Birthplace of Radio (1896)
 - a) Marconi at age 21 in Bologna, Italy
 - B. HF competition in october
 - C. 1 hour of volunteering for running net control
 - D. We will loan radios for the net!