

Meeting Minutes

Time & Date: 7:00pm, Thursday, Feb 17, 2022 (Next meeting will be on Mar 24, 2022)

- Zoom Meeting: <https://aiaa.zoom.us/j/98799607872?pwd=YjZlQkZlWHZPdnhLWmhmbFRUdFh5UT09>
- Meeting ID: 987 9960 7872 / Passcode: 947764

AIAA-NE online information:

- LinkedIn: <https://www.linkedin.com/company/aiaa-new-england/>
- Website: <https://engage.aiaa.org/newengland/home>

Attendances: Shreyas, Charlie, Jeff, Antonio, Bruce, Christian, Drew, Jason, Ken, Kirsten, Osa, Phoenix, Ian, Hiro

Apologies: Caroline, Allison, John, Umanga

1. Opening Remarks & Administration:

- Opening Comments / Highlights since the last meeting

Introduction & welcome to newcomers:

- Antonio & Tony Inniss
- Ken Knopp
- Drew Breuder

- Finances / Expenditures (Osa)

Account Status Update:

- Current FY22 Section YTD Income: \$7,491.86
- Current FY22 Section YTD Expense: \$5,417.87
- Current account balance: \$23,302.47

Income for the Month:

- Donation for AIAA-BWSI CubeSat Challenge from Ravi Deepak/JoSSonline: \$400

Key Expenses for the Month (\$1,547.39 total):

- STEM Grant to Williston Central School, VT: \$250.00
- Engraved AIAA NE Awards: \$697.39
- Brockton High School ARC Team B Kit Drone: \$600

Pending Expenses (Council-approved):

- AIAA-BWSI CubeSat Challenge: \$2,500

New AIAA NE PayPal Donation Link

- https://www.paypal.com/donate/?hosted_button_id=CNG28XUV85DF4
- QR Code



2. Reports by Committee Chairs & Activity Leads:

- Newsletter (Jeff / Charlie)
 - 8-page draft newsletter is prepared. Updating some info in the document.
 - Sending a draft to everyone
 - Please send Jeff for any updates and additions (draft copy is attached) - (cjw01776c@gmail.com / jeffrey@nehydropower.com).
 - Send some WPI HPRC & BHS visit pics to Jeff (Kirsten)
 - Update on BWSI Cubesat Challenge (Bob/John/Hiro)
- Honors & Awards (Charlie)
 - 15 glass awards sent out to recipients - Thank you & congrats to the award recipients!
 - Bill submitted to Osa.



- STEM - K12 Outreach / Diversity, Equity & Inclusion
 - Aero-Robotics Competition (Allison) - No update.
 - MIT-LL Beaver Works Summer Institute (Bob & John)
 - CubeSat challenge kicked off on Feb 12. Students working on virtual courses now.
 - Received a donation from Ravi Deepak/JoSSonline: \$400
 - Lockheed Martin sponsorship (\$7,500) – WIP
 - \$250 STEM Grants (Charlie)
 - \$250 approved for Allan Miller, Williston High School
 - Purchasing the Tello drones to launch after school drone program. In addition to existing robotics and rocketry programs.
 - NOTE: Allan is x2 times the NASA astronaut candidate. Amazing educator. We should recognize his work in some form...
 - \$250 approved for Suzanne Schedin, Heron Pond Elementary School, Milford NH
 - Purchasing material for students to make straw rockets and teach the Newtons laws...

- \$600 approved for Brockton High School
 - Purchasing a kit drone for the second team for ARC. Students have been sharing a drone, but it is becoming challenging to do so with the expanded team size...
- Alex Friess (U Maine) has made an inquiry about the grant. He would like to use it to buy a drone to teach students at Bangor High School.
- Mass Air and Space Museum
 - Apollo/Orion heat shield samples: Jason has gotten Charlie is in touch with a rep from TEXTRON to arrange the donation.
 - E-mail sent out to Region-I contacts asking for any donation for Aerospace article to the museum. The museum is opening a larger facility in Hyannis and looking for more items for the exhibit.
 - **Please contact Charlie or Jeff if you have any items that you would like to donate to the museum's exhibits** (cjw01776c@gmail.com / jeffrey@nehydropower.com).
- College Outreach (Charlie / Umanga)
 - Wentworth (WIT) visit:
 - Scheduled on March 02, 2022, 12:00pm
 - Charlie and Bruce are planning to visit the WIT
 - **Inviting more people to join the visit – please contact Charlie for more info** (cjw01776c@gmail.com)
 - College outreach work - updates below (Umanga):
 - He has made initial contact with most of the student branches.
 - Multiple attempts to reach out to RPI (NY), but no response so far...

College	Student Branch Chair/Officers	Advisor	is advisor active?	Response Status
Boston University	Kathryn Moslen	Prof. Sheryl Grace	very	New Officers still being sorted out - current contacts: Hannah Rafferty, Rashid Kolaghassi, Martin Dimo
MIT	Shannon Cassady	Prof. David L Darmofal	never	In Contact
Northeastern University	Becky Johnston	Dr. Andrew Gouldstone	couple of times - yes	Becky Johnston is the new President
Southern New Hampshire University	Rasheed Ricardo Blake	Dr. Xinyun David Guo	very	In Contact
University of Maine	Jack O'Kelly	Dr. Alexander Friess	very	In the process of rebuilding the section - Jordan Bailey was leading a little, Dr. Friess currently working on a meeting of interested students in early September -
University of Massachusetts - Lowell	Kyle Fielder	Prof. Marianna Maiaru	don't know	Prof Maiaru is not advisor - prof willis now is
University of Vermont	Anthony M Julian	Dr. William F Louisos	don't know	Reached out to both Anthony and Dr. Louisos without a response - will reach out again
Wentworth Institute of Technology	Katerina Koukounaras	Dr. Haifa Salman El-Sadi	yes	In Contact
Worcester Polytechnic Institute	Kirsten Bowers	Dr. Zachary R Taillefer	expect him to be	In Contact

- BU Rocket Group (BURG) Team Sponsorship (Jason)
 - Textron reached out to students and is working on arranging a visit.
 - Hiro e-mailed the team leader in response to test facility usage. No reply yet...
- Charlie and Bruce working on a plan to visit MIT and engage with the student branch.

- College Branch Activities / Updates from Advisors
 - WPI (Kirsten)
 - HPRC
 - Preparing an AIAA-NE Grant Proposal – almost ready to send it.
 - Lake Winnepesaukee launch – Cancelled due to warm weather
 - Test launch is scheduled on St. Albans, VT on Sunday, February 20th.
 - WPI Turbine Project
 - Progressing. Started to purchase material and to build HW.
 - Kirsten is passing on the leadership to next-gen student leaders.
 - Middlesex Community College (MCC) - Model Aviation Club (Christian).
 - Unfortunately, in-person events are canceled for now due to COVID.
 - Organizing a virtual session to keep the students engaged.
 - **Looking for more student DBF groups, Academics, and Professionals to give the group presentations. Please contact Christian North (christian.northq@gmail.com).**
- Professional Development & Outreach
 - Upcoming CVD (Congressional Visit Day)
 - Recruiting for the event on March 14th.
 - Zoom Webinars (Jason / Shreyas / Phoenix)
 - Next Speaker: Feb/24th - Once was Arrow by Walter Gordons (Jason).
 - Dry run on Monday 2/21.
 - Upcoming Speaker: James Webb Space Telescope, scheduled on 4/15 (Shreyas).
 - Preparing promo material and campaign now...
 - Searching for more speakers. Please contact Jason/Shreyas/Phoenix/Hiro for any ideas.
- In-person event for 2021/2022:
 - No update - All on hold due to COVID situation:
 - Proposed Events:
 - Pratt & Whitney Hangar Museum Tour
 - New MIT Museum visit (April/May 2022)
 - Collings Foundation – STEM Day with Students (June 2022)
 - Boeing / Aurora Flight Science office visit (Above the MIT Museum) (TBD)
 - New England Air Museum, Windsor Locks, CT <https://www.neam.org>

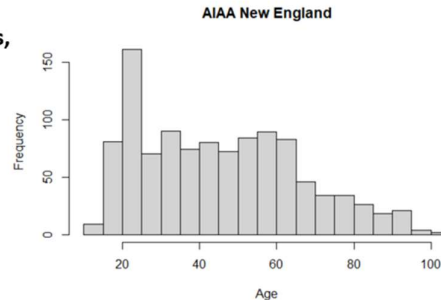
3. Other

- Charlie presented an analysis of membership demography (below), and addressed the following points:
 - There is a significant drop in membership from 20-25 years old (college members) to 25-30 years old (Young Professionals). We need to do more to improve the retention rate...

MEMBERSHIP

- Analysis of member ages from January 2020 roster: 1170 members, 1070 in our geographic area**

Min. : 13 years old
 1st Qu.: 27 bottom lowest 25%
 Median : 43 dividing point between
 bottom and top 50%
 Mean : 45.7
 3rd Qu.: 60 75% are below this
 Max. : 101



See that emphasis of 20 to 25 years old members would make sense

- Analysis of member geographic distribution**

Being worked with Region I

- Volunteers wanted!** We are looking for a volunteer to lead STEM K12 outreach work. If you're interested, please contact Hiro (hendo@testdevices.com).