

September 6, 2007 Bouchet Society  
General Body Meeting

Members in Attendance: Eric Fails, Aurora Hill, Howard Conyers, Nkabuije Maduiké, Keisha Findley, Lisa McPhatter, Amani McHugh, DVone Jackson, Yuvon Mobley, Kriti Sharma, Sevetta Bancroft, Bjsi Lediya, Alberto Tegua, Adrienne Blount, Letitia Hubbard, Charles Jonemant, Hisani Horne, Charelle Sanford

- I. Welcome: Meeting opened 5:30 PM. Welcome by President Keisha Finley.
- II. NSBE Habitat for Humanity Community Service Event: Mr. Eric Fails
  - A. Co-sponsorship and call for volunteers  
Eric will attend the NSBE meeting with undergrads to get more info on involving Bouchet with the Habitat for Humanity Event. More details to come.
  - B. Coat Drive: November-December: Aurora  
Boxes will be put out in various buildings on Research Drive after during Thanksgiving holiday up until the Christmas holiday. Coats will be collected by members and transported to proper place.
- III. Mentoring Program: Michelle and Howard
  - A. Search for Volunteers for semester Shaw and St. Augustine visits:  
Howard: Will give everyone going the materials used in electronic pdf. Both universities are during the week. Howard will need 4 volunteers and will send an email once he confirms the dates. He wants volunteers to speak on their own experiences at these general meetings.
- IV. Announcements
  - A. Ideas for speakers in spring (Faculty Talks): Keisha: We have graduate students/Post-docs who gives their own talks on their research. But, we have faculty who will come in to give their talks/experience. Keisha will take ideas for spring. Please email her. Names given: Dr. Fred Boadu and Dr. Paul Magwene
  - B. Animal House 2007 call for volunteers: Volunteers are needed! On Sunday, Oct. 7, 2pm—5 volunteers are needed to assemble boxes and put stuffed beagles in the boxes. Volunteers will also be putting beagle stickers on a bunch of candy. This will take place at 2206 Wilshire Dr. Durham NC. Snacks will be provided for volunteers.
  - C. On Saturday, Oct. 13 (Day of the Event)—10-15 volunteers are needed at all times. The day will begin approximately 8:30 am with the last group of volunteers committing to work from approximately 5:30-10:30 pm. For more information on this exciting event contact: Tomalei Vess, [tomalei.vess@duke.edu](mailto:tomalei.vess@duke.edu), Assistant Dean for Graduate Student Development, Phone: 919-684-2056. Fax: 919-681-8018
- V. Speaker: Howard Conyers, “Effect of Wing Damage on Aeroelastic Behavior”

- VI. Synopsis of Talk by Howard Conyers: Background- Few researchers have limited unclassified literature since the 1940's. Previous researchers have reformed robust aeroelastic calculations on the deltoid wing. Flutter is a linear dynamic instability that can cause a structural vibration or oscillatory motion to increase amplitude leading to structural damages. Motivation- To develop a theoretical model with a hole that correlates well with an experimental wind tunnel model in order to develop a greater confidence in robust aeroelastic design methods. Future Work- For Howards' exciting future work plans, he plants to derive equation of motion using Langrange's equation and natural modes.
- VII. Bouchet Shirt Handout: Keisha: Bouchet T-Shirts are available for all.
- VIII. Closing: Meeting Adjourned 7pm.