Tau Beta Pi
Maryland Beta

University of Maryland
2011 – 2012
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President’s Report

Maryland Beta proudly presents 65 project reports for the 2011-2012 year. Our chapter has historically been very active and we were motivated to uphold that tradition by embarking on a wide breadth of projects this year. We had two stellar initiation classes both of which completed more rigorous activity requirements than those of last year. Our chapter also initiated Dr. Michael Griffin as an eminent engineer in the spring. Dr. Griffin is a former NASA Administrator and it was a great honor to have him attend both the ceremony and the banquet that took place immediately afterwards.

In terms of projects, our chapter continued much of the great work we had begun in previous years. During the winter break, we returned to New Orleans to assist in disaster relief, marking our eighth such service trip in the past seven years. We also partnered with the Alabama Beta chapter in Tuscaloosa to assist the rebuilding effort in the aftermath of the devastating tornadoes. MD Beta organized a second furniture build-a-thon modeled on last year’s event during which we led engineering student groups to build desks and tables that were subsequently donated to furnish low-income housing. Some of the other community service events in which we continued to participate included Relay for Life, the Maryland Science Bowl, Maryland Day, and the USA Science and Engineering Festival. Both members and electees also helped make blankets for the children’s ward at Prince George’s County Hospital Center and organize a 5K run to raise money for Relay for Life.

The chapter was able to create new community service events this year after setting up and coordinating a MindSET program with Drew Freeman Middle School in Prince George’s County. MD Beta conducted four MindSET sessions this semester and developed two modules inspired from existing modules. The first module entailed building bridges out of pre-drilled Popsicle sticks so that the joints could be attached with nuts and screws. The second module involved fabricating model rockets which can attain heights as great as 800 feet. MD Beta also established a relationship with the Anacostia Watershed Society. Our members, thus, had the opportunity to participate in environmental projects such as tree planting and trash pick-ups in the Anacostia Watershed.

The benefits of becoming a member of Tau Beta Pi are not limited to scholarships, networking, and professional development. Instead, I truly believe that Tau Beta Pi offers opportunities and activities that no other organization could ever have offered. Unique projects such as MindSET, USA Science and Engineering Festival, and our annual Habitat for Humanity trip in New Orleans are amongst our most rewarding experiences at the University of Maryland and could never be replicated by any other student group on campus. As members of Tau Beta Pi, furthermore, we consider all our fellow members as friends. We enjoy spending time together not only at community service events and executive board meetings but also social events such as dinner nights, laser tag, or game nights.

Before I conclude my report on a great year for MD Beta, I would like to thank all my fellow officers on the executive board. A lot of credit is due to three individuals in particular. Ricky Burcat, the lead community service chair, single-handedly organized the Habitat for Humanity Trip in New Orleans and played a huge role in kicking off the MindSET program this year. Second, Nick Kratzmeier led the way in our professional events. Lastly, Harrison Chau managed most of the fundraising events and helped prepare for the USA Science and Engineering Festival. I strongly believe that they and all the other officers on the board are the reason for our chapter’s success. I am confident that next year’s executive board led by Mark Reese, who has already proven to be a very capable initiation chair, will continue to do phenomenal work in the name of Tau Beta Pi.

Sincerely,
Sean Symon
President, Tau Beta Pi- Maryland Beta 2011-2012
Chapter Survey

This questionnaire is designed as an annual survey of the activities of our chapters, the conditions under which they operate, and their customs and practices. It covers the current academic year. This effort should be a joint effort by the outgoing and incoming officers.

1a. How many active (See Const. VI, Sec. I) members did your chapter have after your spring initiation this year? 
   Juniors: 31 
   Seniors: 56 

b. How many members and initiates participated in your chapter projects throughout the year? 
   Members: 74 
   Initiates: 39 

c. How many hours did members and initiates contribute to chapter projects throughout the year? 
   Members: 678 
   Initiates: 678 

2. Does your chapter set a minimum grade point average? 
   No 
   If yes, what was it? (List as fall/spring) 
   How many candidates were ineligible because of this GPA cutoff? 
   0

3. How does your chapter secure class rankings? 
   [ ] President requests from registrar 
   [X] Advisor requests from registrar 
   [ ] Registrar may not release information due to privacy laws 
   [ ] School does not rank students

4. What is your chapter’s total initiation fee (including national fee ($32 + $7)? 
   Students: $90.00 
   Alumni: $90.00 
   Eminent Engineers: $0.00

5. What does your chapter initiation fee include other than the national fee and the Convention assessment? 
   [X] Initiation Banquet 
   [X] Other 
   Other: Administrative Fees

6. What change has been made to your initiation fee this year? 
   [X] No Change 
   [ ] Raised 
   [ ] Lowered

7a. How do you notify candidates of their eligibility? (choose ALL that apply) 
   [X] Letter 
   [X] Email 
   [ ] Printed Invitation 
   [ ] Personally 
   [ ] Facebook or other social networks 
   [ ] University Listserv 
   [ ] Other

b. Does your chapter obtain address information?
8. List all activities required of candidates prior to election? (If projects, include number of hours.)
   2 chapter activities, 1 community service project, make a bent, shine paperweight bent, collect signatures, electee exam, one lounge hour per week in the semester

9. How do you notify electees? (choose ALL that apply)
   [ ] Letter  [X] Email  [ ] Printed Invitation  [ ] Personally  [ ] Other

10. What activities do you require electees to perform before initiation? (choose ALL that apply)
    [ ] Write Essay  [X] Take Exam  [ ] Polish Plaque or Monument
    [X] Polish and Wear a Bent  [X] Collect Signatures  [ ] Other
    [X] Work on current Projects  Number of hours 8

11. Did your chapter send a letter to candidates/electees/parents from your dean?  No
    If YES, what was the reaction? If NO, why not?
    Most of the candidates' home addresses are not accessible information, and many school addresses are not up-to-date.

12. Did your chapter use the invitations available from Headquarters?  No
    If YES, what was the reaction? If NO, why not?
    We had our own invitation letters written.

13. Was your chapter able to initiate "just one more" electee than the previous year?  No
    If YES, what was the reaction? If NO, why not?
    Our recruitment this year was just not as successful as the year before.

14. What percentage of electees were initiated...
    In the fall? 93  In the spring? 100

15. How many meetings did your chapter have this year?
    Advisory Board: 16  Initiation: 8  Business: 0  Social: 16

16. How many chapter members attend meetings on the average?
Advisory Board: 15  Initiation: 20  Business: 0  Social: 10

17. What action does your chapter take against a member for non-attendance?
   [ ] Fined  [ ] Reprimand  [X] Declare Inactive  [ ] Nothing

18a. How many advisors does your chapter have? 4
   b. How informed are your advisors concerning your chapter’s condition and activities?
      [ ] Well  [X] Moderately  [ ] Poorly

19. Is the Eligibility Code read at each election meeting of your chapter? Yes

20a. Is a copy of your bylaws given to each of your new members? Yes
   b. Is an electronic copy of your bylaws available? No

21. Have you kept a catalog card for each new member? Yes

22. Are the minutes of all meetings of this college year in your chapter records? Yes

23. What bookkeeping system do you use?
   [ ] Tau Beta Pi  [X] One required by the school  [ ] Neither

24. Does your chapter operate on a budget? Yes

25. Do you need a new copy of the Ritual? No

26. Do you need a copy of the President’s Book? (Available in PDF) No

27. How well do the students, faculty, and staff in your engineering school know about Tau Beta Pi?
   [ ] Very  [X] Somewhat  [ ] Slightly

28. How well do members of your community know about Tau Beta Pi?
[ ] Very [X] Somewhat [ ] Slightly [ ] Not at all

29. How often are projects and programs of your chapter given publicity?
   [X] Always [ ] Frequently [ ] Sometimes [ ] Never

30. Are new initiates given public recognition?
   [ ] Always [ ] Frequently [X] Sometimes [ ] Never

31a. Did your chapter use any of these TBP image materials: If so, was the reaction?

<table>
<thead>
<tr>
<th>Posters…</th>
<th>Used</th>
<th>Favorable</th>
<th>No Response</th>
<th>Unfavorable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classic Bent (Gold)</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[X]</td>
<td>[ ]</td>
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<tr>
<td>More Than an Honor Society (Yellow)</td>
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<td>[ ]</td>
<td>[X]</td>
<td>[ ]</td>
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<tr>
<td>Diverse Activities (Teal)</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[X]</td>
<td>[ ]</td>
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<tr>
<td>Information About Tau Beta Pi (Blue)</td>
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<td>[ ]</td>
<td>[X]</td>
<td>[ ]</td>
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<tr>
<td>E-Invitation</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[X]</td>
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<tr>
<td>Orientation PowerPoint</td>
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<td>[ ]</td>
<td>[X]</td>
<td>[ ]</td>
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<td>Orientation CD</td>
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<td>[X]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Guest PowerPoint</td>
<td>[ ]</td>
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<tr>
<td>Electee brochure</td>
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<td>[ ]</td>
<td>[X]</td>
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<tr>
<td>Introductory brochure</td>
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<tr>
<td>Chapter brochure</td>
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<tr>
<td>Brochure dispenser</td>
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<td>[X]</td>
<td>[ ]</td>
</tr>
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<td>Invitation to orientation</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[X]</td>
<td>[ ]</td>
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<tr>
<td>Invitation to electees (formal)</td>
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<td>[ ]</td>
<td>[X]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Dean’s letter to parents</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[X]</td>
<td>[ ]</td>
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<tr>
<td>Blank bulletin sheet</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[X]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

b. How might any of these be improved?
   No comment.

32. How do retiring officers communicate duties and responsibilities to their successors?
33. Is there an active Tau Beta Pi alumnus chapter in your vicinity?  
   If so, do the two chapters cooperate?  Yes  No

34. Do you communicate with your chapter’s alumni?  No
   If so, do you invite local alumni, including faculty, to special chapter functions?  No

35. Does your chapter have a current and functioning website?  Yes
   If yes, what is the URL?  http://tbpmdbeta.org/index.php

36. Did you read The Bulletin?  Yes
   Did you notify your members when The Bulletin became available online?  No

37. Did your chapter use TBPConnect to network, communicate, and make announcements?  No

38a. Did your chapter participate in any of the following programs? (Choose ALL that apply)
   [ ] Engineering Futures  [ ] G.I.G.  [ ] Laureate
   [X] District  [ ] Outstanding Advisor  [ ] Distinguished Alumnus
   [X] K-12 MindSet  [ ] McDonald Mentor

b. To what extent in the District/Engineering Futures Programs? (Choose ALL that apply)
   [X] Attended District conference
   [X] Invited Director to initiation
   [ ] Attended EF session elsewhere
   [X] Communicated with District Director

39. Name one of your District Directors: Russ Werneth
   Comments:  Russ was extremely helpful when planning our spring initiation and helping us communicate with Dr. Michael Griffin, the eminent engineer who was initiated at the ceremony.

40. How many projects did your chapter conduct this past year?  65

41. What Tau Beta Pi member benefits did your chapter members enjoy?
   Scholarships, professional development, character building, leadership, social interaction
42. What new Tau Beta Pi member benefit would you like to see?

   Increased alumni involvement
Officers

President       Sean Symon
                Aerospace Engineering

Vice President  Nick Kratzmeier
                Electrical Engineering

Treasurer       Justin Bare
                Electrical Engineering

Recording Secretary  Justin Huang
                      Bioengineering

Corresponding Secretary  Hongyi Xia
                        Aerospace Engineering

Cataloguer      Sean Symon
                Aerospace Engineering

Faculty Advisors

Dr. Gary Pertmer
Mechanical Engineering

Dr. William Fourney
Aerospace Engineering

Dr. Charles Silio
Electrical Engineering

Dr. James Milke
Fire Protection Engineering
### Committee Chairs

<table>
<thead>
<tr>
<th>Category</th>
<th>Chair(s)</th>
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<tbody>
<tr>
<td><strong>Initiation</strong></td>
<td>Mark Reese</td>
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<tr>
<td></td>
<td>Lauren Dorsey</td>
</tr>
<tr>
<td><strong>Community Service</strong></td>
<td>Ricky Burcat</td>
</tr>
<tr>
<td></td>
<td>Eric Federline</td>
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<tr>
<td><strong>Fundraising</strong></td>
<td>Harrison Chau</td>
</tr>
<tr>
<td></td>
<td>Ming Zhang</td>
</tr>
<tr>
<td><strong>Social</strong></td>
<td>Erin Bak</td>
</tr>
<tr>
<td></td>
<td>Caleb Barrett</td>
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<tr>
<td><strong>Scholarship</strong></td>
<td>Majid Waheed</td>
</tr>
<tr>
<td><strong>Webmaster</strong></td>
<td>Al (Sigmund) Gorski</td>
</tr>
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</table>
List of Activities

Chapter Operations [CO]
  CO1 Executive Board Meetings
  CO2 Fall First Look Meetings
  CO3 Fall Second Look Meetings
  CO4 General Body Meeting 1
  CO5 National Convention
  CO6 Fall Electee Exam
  CO7 GBM 2/Fall Electee Voting Meeting
  CO8 Fall Initiation
  CO9 Spring First Look Meetings
  CO10 Spring Second Look Meetings
  CO11 General Body Meeting 3
  CO12 District 4 Conference
  CO13 GBM 4/Spring Electee Voting Meeting
  CO14 Spring Electee Exam
  CO15 Spring Initiation
  CO16 Post-Initiation Banquet

Chapter Services [CS]
  CS1 Law Alumni Panel
  CS2 Graduate Student Panel
  CS3 Navy Info Session
  CS4 Scholarship Committee Meeting

Community Service [CA]
  CA1 Hyattsville Tree Planting
  CA2 New Orleans Info Session
  CA3 Bladensburg Clean-up
  CA4 Furniture Build-a-thon
  CA5 Blanket Making
  CA6 MindSET Conference Call
  CA7 New Orleans Habitat for Humanity Trip
  CA8 STEM Achievement Gap Week/MindSET Bridge Building 1
  CA9 Science Bowl
  CA10 Pi Run
  CA11 Soup Kitchen
  CA12 MindSET Rocket
  CA13 Bladensburg Tree Planting
  CA14 Relay for Life
  CA15 Maryland Day
  CA16 USA Science and Engineering Festival
  CA17 MindSET Bridge Building 2
## Fundraising [FA]

- **FA1** Fall Career Fair
- **FA2** Fall Laser Tag Night 1
- **FA3** Basketball Concessions Training
- **FA4** Fall Panda Express Fundraiser
- **FA5** Fall Laser Tag Night 2
- **FA6** Albany Basketball Concessions
- **FA7** Duke Basketball Concessions
- **FA8** Boston College Basketball Concessions
- **FA9** Miami Basketball Concessions
- **FA10** Spring Career Fair
- **FA11** Spring Laser Tag Night
- **FA12** Spring Panda Express Fundraiser

## Social Events [SE]

- **SE1** Ice Cream Social
- **SE2** Dinner at Jason’s Deli 1
- **SE3** Terp Zone Bowling Night
- **SE4** Engineering Student Council Dodgeball Tournament
- **SE5** Dinner at Bentley’s
- **SE6** Pictionary Night
- **SE7** Post-Initiation Celebration
- **SE8** End of Semester Potluck
- **SE9** Virginia Tech Basketball Game
- **SE10** Dinner at Noodles
- **SE11** Game Night
- **SE12** Ice Skating
- **SE13** Dinner at Jason’s Deli 2
- **SE14** Karaoke Night
- **SE15** Geek Week
- **SE16** Tau Beta Pi End of Year Celebration
Project Reports

Chapter Operations (CO)

Projects: 16

Total Person-Hours: 158

<table>
<thead>
<tr>
<th>Number</th>
<th>Project</th>
<th>Date</th>
<th>Total Hours</th>
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<tr>
<td>CO1</td>
<td>Executive Board Meetings</td>
<td>Biweekly on Wednesday</td>
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<tr>
<td>CO2</td>
<td>Fall First Look Meetings</td>
<td>09/20/2011, 09/21/2011</td>
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<td>CO3</td>
<td>Fall Second Look Meetings</td>
<td>09/27/2011, 09/28/2011</td>
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<td>CO4</td>
<td>General Body Meeting 1</td>
<td>10/11/2011</td>
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<tr>
<td>CO5</td>
<td>National Convention</td>
<td>10/27/2011-10/30/2011</td>
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<tr>
<td>CO7</td>
<td>GBM 2/Fall Electee Voting Meeting</td>
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<td>CO8</td>
<td>Fall Initiation</td>
<td>12/02/2011</td>
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<tr>
<td>CO9</td>
<td>Spring First Look Meetings</td>
<td>02/08/2012, 02/09/2012</td>
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<tr>
<td>CO10</td>
<td>Spring Second Look Meetings</td>
<td>02/14/2012, 02/15/2012</td>
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<tr>
<td>CO11</td>
<td>General Body Meeting 3</td>
<td>02/28/2012</td>
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<tr>
<td>CO12</td>
<td>District 4 Conference</td>
<td>03/31/2012-04/01/2012</td>
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<tr>
<td>CO13</td>
<td>GBM 4/Spring Electee Voting Meeting</td>
<td>04/05/2012</td>
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<td>CO14</td>
<td>Spring Electee Exam</td>
<td>04/18/2012-04/19/2012</td>
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<tr>
<td>CO15</td>
<td>Spring Initiation</td>
<td>04/25/2012</td>
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<tr>
<td>CO16</td>
<td>Post-Initiation Banquet</td>
<td>04/25/2012</td>
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</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CO1

Project name: Executive Board Meetings
Date(s) of Project: Biweekly on Wednesdays

Project area: __Community/ Liberal Culture
 __University/ College
 __Profession/ Engineering
 X Chapter/ Social
 __Education/ Prof. Dev.

Number of persons who participated in this project
Members: 17
Electees: 0

Hours spent on this project.
Organizing: 10
Participating: 35

DESCRIPTION:

I. General Description:
Executive Board Meetings are held every two weeks and are run by either the President or the Vice President. All 15 officers are required to attend unless they have a valid reason for not being able to make it. Exec Board meetings are a chance for the chapter to conduct its affairs, organize events, and run the initiation process smoothly.

Both the President and Vice President are responsible for drafting an agenda which includes all topics of discussion. The agenda generally begins with more generic topics before discussing more specific items such as the events and the budget. The recording secretary is responsible for recording meeting notes which are sent out to the officers immediately after the meeting.

II. Purpose & Relationship to Objectives of TBP:
The purpose of the Exec Board Meetings is to bring all the officers together in order to discuss important aspects of running the chapter. Since many events are complicated and involve a lot of organization, the meetings are a chance to delegate tasks effectively and ensure coordination amongst all parties involved.

Exec Board Meetings are also an important method of brainstorming ideas for new events or ways to publicize information to electees and members. MD Beta recently adopted a blurb system, where the officer in charge of an event is responsible for writing up a quick summary about it. Each officer sends their blurbs to the Vice President who compiles a listserv of all the upcoming events. The listserv is sent out weekly to both members and electees.

III. Organization & Administration: (in conjunction with another group? ___ Yes  X No)

IV. Cost & Personnel Requirements:
N/A
V. Special Problems:
The only difficulty associated with Exec Board Meetings was finding a time that suited everybody. One of the initiation chairs was unable to attend meeting during the fall semester since it conflicted with one of her other obligations.

VI. Overall Evaluation/Results (Be Specific):
Exec Board Meetings are generally very successful. All officers take charge of their events and write up project reports in a timely manner. The atmosphere of each meeting is friendly and all officers are willing to share their ideas for the benefit of the chapter.

VII. Index of Exhibits:
A sample agenda is below as well as the meeting notes taken by the recording secretary.

TBP Exec Board Agenda 2/15/11

Notes in Red

I. District Convention
   a. 4 people attend, currently interested (Nick, Justin, Caleb, Erin, Mark, Hongyi) Added Ricky, removed Justin
   b. Nick will get to go – I’ve decided
   c. I will be driving back and forth and am prepared to take others
   d. Can sign up on a waiting list – Justin on wait list
   e. Have emailed advisors in case they are interested in attending

II. Eminent Engineer/Graduate Student Eligibility Reports
   a. Needs to be signed by Chief Advisor, Secretary, and President – follow up with Hongyi afterwards
   b. Online system will update with their information

III. Reports due to Nationals
   a. Eligibility Report due February 26th
      i. Seniors are finished, Juniors to be completed by Nick
      ii. Determine the number of electee material sets we need to order
   b. Constitution Ratification Ballot April 1st
      i. At present, still about 10 votes short
      ii. Secretaries get to send out individual emails to people for their votes – Justin and Hongyi will handle
   c. Election Report/Catalog Cards April 20th
      i. Make sure all electees have filled out catalog cards – 26 cards filled today
      ii. Determine whether or not graduate student/Dr. Griffin needs to fill these out as well

IV. Project Reports
   a. Make sure these get turned in – Hongyi to update list
   b. Everyone is responsible for at least one event in the semester - acknowledged
   c. Update on progress from the secretaries – Hours summary completed, electees that weren’t initiated edited out

V. Bylaw Amendments
a. Updates to active membership criteria (Progress on the vote) - Trying to add change that each member must attend one activity and one Community service event.
b. Updates to eligibility criteria (Added requirement that student must be enrolled in or have taken 300-level STEM course or have been in Engineering for 3 semesters).
c. Talk about elections and voting again – when do we want voting? At the initiation.

VI. Event Advertising
a. Keep sending blurbs to Nick, not me – by Thursday at Noon!
b. Erin: possibly maintain a calendar on the bulletin outside – absent this meeting

VII. Fundraising Events
a. Career Fair – Thanks to those who signed up for it!
b. Laser Tag – Please sign up or get people to sign up for this event! - moved to March 7th
c. Concessions
   i. Boston College Need 3 more people
   ii. Miami Need 11 more people

VIII. STEM Achievement
a. Went very well: Summaries from me and Ricky as to how it went
b. Input from other officers who participated as to how it went and ways to improve
   c. Headquarters blog
d. Bent Article and E/M Article: New Orleans and this event
e. Possible second trip scheduled for other students at Drew Freeman Middle School, would probably use bridge building activity again

IX. MindSET
a. Two sessions at Drew Freeman Middle School
   i. Bridge Building Module: possibly get kids who participated at Maryland to assist us – make sure not to use thumb tacks
   ii. Pick another module to do: Discussion on possible ones to choose
b. Maryland Day: Try to pick module from above so that it is possible to execute during Maryland Day unless there are other suggestions as to a possible activity
c. USA Science and Engineering Festival – will be indoors at the DC convention center
   i. I will be in charge of this event since I am contacting Dylan
   ii. Will probably need around 10 volunteers
   iii. Brief update as to which activities we are going to do
d. Start drafting a grant proposal form and establish ways to reimburse people

X. Other Community Service Events
a. Science Bowl – start drafting a list of volunteers
b. Pi Run – delegate tasks to get this going – funds will go to our Relay for Life fund, see link on website, no T shirt this time, Lauren setting up list of listservs for advertising
c. Relay for Life
d. Outdoors Projects?

XI. Social Events
a. DC Outing Recap – rescheduled for March 3rd
b. Ice Skating, schedule a date?
c. Restaurant Night, schedule a date? – Scheduled for Feb 24th
d. Game Night, schedule a date? – March 13th
e. Other ideas for social events?

XII. Academic Events
a. Navy Info Session update – Nick is looking for other honor societies to come
b. Astronaut Talk
   c. Any other ideas? Would like one more. – maybe contact a company for an info session

XIII. General Body Meeting
a. Food at this meeting? Nope. Instead try to encourage people to bring something to the meeting. Maybe chips/soda will be provided.
   b. Will cover upcoming events as well as a recruitment drive for MindSET activities

XIV. Alumni Database
a. Read email Carol sent – will follow up with this later.
   b. Assign a couple of people to help her out
   c. Ideas for improvement?

XV. Updates from Other Officers
a. Scholarship Chair – will have session with 3 advisors, 40 applicants this year
b. Initiation Chairs – will have many electees

XVI. Treasury Report
a. Current amount of funds available - $500 in FRS account
   b. List expenses/income for the semester – projected to have a surplus of $300 this semester if we can sell the T shirts.
   c. Meeting between Nick/Justin/me/Ricky at the end to discuss budget – Ricky will follow up on bus payments

### Members (17)

<table>
<thead>
<tr>
<th>Name</th>
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<td>Sean Symon</td>
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<td>Nick Kratzmeier</td>
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<td>Al Gorski</td>
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<td>Majid Waheed</td>
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</table>
The Tau Beta Pi Association
Chapter: MD B
Chapter Project Report
Project number: CO2

Project name: Fall First Look Meetings
Date(s) of Project: September 20 & 21, 2011

Project area: __Community/ __University/ __Profession/ X Chapter/ __Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 4
Electees: 13

Hours spent on this project.
Organizing: 4
Participating: 1

DESCRIPTION:

I. General Description:
During the first look meetings, two initiation chairs, the president, the vice president, and all prospective members were present. The purpose of these meetings was to educate academically eligible students who had been contacted about Tau Beta Pi.

II. Purpose & Relationship to Objectives of TBP:
We want future member of Tau Beta Pi to be knowledgeable of the opportunities and benefits that Maryland Beta and Tau Beta Pi can offer. It was also a great way to meet officers of the club and network one on one. This opportunity provided an arena for potential members to meet others and find out more about TBP.

III. Organization & Administration: (in conjunction with another group? ___ Yes X No)

IV. Cost & Personnel Requirements:
Pizza from Domino’s and soda from our lounge was provided costing a total of $65.00.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
We made these events very brief and easy so that new members would not be overwhelmed with information. We also scheduled different times on each day so that all interested students could make the interest meetings. We had substantial amount of interested people who talked to us afterwards and who also expressed interest in coming to the second look meetings to find out more about the initiation process.
VII. Index of Exhibits:
First Look Meeting Powerpoint
<table>
<thead>
<tr>
<th>Members (4)</th>
<th>Electees (13)</th>
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<tbody>
<tr>
<td>Sean Symon</td>
<td>Alden Grobicki</td>
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<td>Shannon White</td>
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<td>Tanner Hamann</td>
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</table>
The Tau Beta Pi Association
Chapter: MD B
Project number: CO3

Chapter Project Report

Project name: Fall Second Look Meetings Date(s) of Project: September 27 & 28, 2011

Project area: Community/University/Profession/
Liberal Culture College Engineering X Chapter/
Social Prof. Dev.

Number of persons who participated in this project Members: 5 Electees: 13

Hours spent on this project. Organizing: 5 Participating: 2

DESCRIPTION:

I. General Description:
The Second Look Meetings were meetings with eligible students who had confirmed interest in being initiated. The Initiation Chairs described in depth the process and requirements for initiation, outlining the point system and event categories. Dates were provided for mandatory events and other events whose planning had already been completed. Lounge privileges and guidelines were discussed. Electees also had a chance to introduce themselves to the officers present and to each other.

II. Purpose & Relationship to Objectives of TBP:
The purpose of the Second Look Meetings was to provide the electees with all the necessary information for successfully completing the initiation process in order to become active members of Tau Beta Pi.

III. Organization & Administration: (in conjunction with another group? Yes X No)

IV. Cost & Personnel Requirements:
There were no costs associated with this event. The Initiation Chairs presented to the new electees, and the President, Vice President, and Webmaster were in attendance to show leadership.

V. Special Problems:
One interested student was not able to attend either of the meetings, but was able to schedule an individual meeting with an Initiation Chair.

VI. Overall Evaluation/Results (Be Specific):
The Second Look Meetings were generally successful. Many expressed excitement at the prospect of meeting current members and fellow electees, as well as participating in scheduled events.
**VII. Index of Exhibits:**

*Initiation Points Chart*

**Initiation Requirements:**

**Mandatory:**

- Attend Initiation *(December 2nd, 2011 at 5:00 PM)*
- Attend all electee meetings
- Pay Initiation fee of $90 (there are no subsequent dues)
- Complete events from the following categories:
  - Chapter Activities (1+)
  - Community Service (1+)
  - Bent (3)
  - Electee Exam (1)
  - Maryland Beta (2+)

<table>
<thead>
<tr>
<th>Event</th>
<th>Point Value</th>
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</thead>
<tbody>
<tr>
<td>Social Events (Ice cream socials, dinners)</td>
<td>5 points</td>
</tr>
<tr>
<td>Tailgating at Maryland Athletic Events</td>
<td>5 points</td>
</tr>
<tr>
<td>Basketball Concessions</td>
<td>15 points</td>
</tr>
<tr>
<td>Ice Skating</td>
<td>5 points</td>
</tr>
<tr>
<td>Bowling @ Terp Zone</td>
<td>5 points</td>
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<tr>
<td><strong>October 12</strong></td>
<td></td>
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<tr>
<td>Laser Tag</td>
<td>5 points</td>
</tr>
<tr>
<td><strong>October 20</strong></td>
<td></td>
</tr>
<tr>
<td><em>Organize and advertise your own event</em></td>
<td>15 points</td>
</tr>
<tr>
<td>Blanket Making</td>
<td>5 points</td>
</tr>
<tr>
<td>Habitat for Humanity Trip</td>
<td>20 points</td>
</tr>
<tr>
<td>KEYS to Empowering Youth</td>
<td>10 points</td>
</tr>
<tr>
<td><strong>Nov 12</strong></td>
<td></td>
</tr>
<tr>
<td>Furniture Building</td>
<td>10 points</td>
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<tr>
<td><strong>November 14-18</strong></td>
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</tbody>
</table>
### Bent
- Completed bent with signatures of all your fellow electees
  - 15 points (30 for best bent)
  - **Bents without signatures are due on November 14**

### Officer and Member Signatures
- ½ point each (6 required)

### Faculty Advisor Signatures
- 2 points each (1 required)
  - **All signatures are due on Nov 29**

### Electee Exam
- Pass an exam on the TBP National Constitution, Chapter History and Bylaws, and general engineering knowledge.
  - 15 points (possible)
  - **Two options:**
  - November 9 or 10

### Maryland Beta
- Shine a small bronze bent (to be provided)
  - 10 points
  - (20 for shiniest bent)
  - **Small bents are due on November 21**

- Lounge hours
  - 3 points/hour for first 10 hours, 1 point/hour afterwards

- Clean the TBP lounge (This can be done as a group activity)
  - 10 points/hour

- Shine the TBP bent in front of the Glenn L. Martin Hall (This will be done as a scheduled group activity)
  - 10 points

- Submit a resume to Maryland Beta for our chapter’s resume CD
  - 5 points

- Company Info Session
  - 5 points

- Leadership Workshop
  - 5 points

- Panda Express Fundraiser
  - 5 points
  - (+1 point per person you bring)
  - **November 1**

### TOTAL POINTS NEEDED
- 100 points
<table>
<thead>
<tr>
<th>Members (5)</th>
<th>Electees (13)</th>
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<tbody>
<tr>
<td>Sigmund Albert Gorski</td>
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<td>Tanner Hamann</td>
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</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: __MD B__
Project number: ___CO4___

Project name: General Body Meeting 1
Date(s) of Project: October 11, 2011

Project area: __Community/ ___ University/ ___ Profession/ X Chapter/ ___ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: ___13___ Electees: ___5___

Hours spent on this project. Organizing: ___1___ Participating: ___1___

DESCRIPTION:

I. General Description:
We held the first general body meeting of the semester. Topics discussed included introducing new electees, advertising for upcoming events, and financial matters. The meeting was run by the chapter President, who prepared slides beforehand.

II. Purpose & Relationship to Objectives of TBP:
General information was given to our members and electees.

III. Organization & Administration: (in conjunction with another group? ___ Yes X No)

IV. Cost & Personnel Requirements:
The room was free, and pizza was not served this time due to financial constraints. President only had to prepare slides and members organizing events had to come prepared to talk about their respective events.

V. Special Problems:
Some members complained about the lack of free food.

VI. Overall Evaluation/Results (Be Specific):
Member participation/attendance was satisfactory. Members left informed of upcoming events they wish to attend.

VII. Index of Exhibits:
N/A
<table>
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<th>Members (13)</th>
<th>Electees (5)</th>
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<td>Brandon Au</td>
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The Tau Beta Pi Association
Chapter: MD B
Chapter Project Report

Date(s) of Project: October 27-30, 2011

Project name: National Convention

Project area: Community/ University/ Profession/ Chapter/ Education/ Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 1  Electees: 0

Hours spent on this project. Organizing: 1 Participating: 32

DESCRIPTION:

I. General Description:
Sean Symon represented MD Beta at the 2011 National Tau Beta Pi Convention held at the Crowne Plaza in Indianapolis. He was assigned to the Financial Affairs committee and in addition to his duties attending committee meetings he also attended district meetings, business meetings, the Interactive Chapter Exchange, and the model initiation.

II. Purpose & Relationship to Objectives of TBP:
National Convention is the annual event in which representatives of almost every chapter of Tau Beta Pi gather to conduct official business for the organization. Tau Beta Pi certainly lives up to its pledge by allowing the student to govern the organization and this was evident through the committee and business meetings. Convention was also an excellent opportunity to exchange ideas with other chapters.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
None since Tau Beta Pi covered the voting delegate’s expenses.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
Convention was really impressive in its organization and success at communicating what Tau Beta Pi stands for through the speakers, meetings, and chapter exchanges. Convention also motivated MD Beta to organize and MindSET program and look at activities beyond those the chapter pursued last year. Finally, Convention forced each chapter to be introspective by analyzing its problems and brainstorming methods to address these problems. MD Beta was rewarded for past success after receiving both a Chapter Project Award and a Membership Award.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (1)</th>
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<tr>
<td>Sean Symon</td>
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The Tau Beta Pi Association
Chapter: MD B
Chapter Project Report

Project number: CO6

Project name: Fall Electee Exam
Date(s) of Project: November 9 & 10, 2011

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<th>Community/</th>
<th>University/</th>
<th>Profession/</th>
<th>Chapter/</th>
<th>Education/</th>
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<td>Liberal Culture</td>
<td>College</td>
<td>Engineering</td>
<td>Social</td>
<td>Prof. Dev.</td>
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</table>

Number of persons who participated in this project

<table>
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<tr>
<th>Members</th>
<th>Electees</th>
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<tr>
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<td>13</td>
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</table>

Hours spent on this project.

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<tr>
<th>Organizing</th>
<th>Participating</th>
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<td>2</td>
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DESCRIPTION:

I. General Description:

TBP Initiation Chairs prepared an exam for the electees. This exam is one of the mandatory requirements for all electees who are looking to be initiated into TBP. The exam included background and history of TBP, general questions about TBP events and activities throughout the semester, knowledge about other electees, and other general knowledge questions. The initiation chairs and the president proctored the exams.

II. Purpose & Relationship to Objectives of TBP:

We want future members of Tau Beta Pi to be knowledgeable about the history of Tau Beta Pi and its core objectives. We also wanted to make sure that the electees had the chance to participate in activities and meet other electees during the initiation process.

III. Organization & Administration: (in conjunction with another group?)

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<tr>
<th>___ Yes</th>
<th>X No</th>
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IV. Cost & Personnel Requirements: N/A

V. Special Problems: N/A

VI. Overall Evaluation/Results (Be Specific):

The exam was brief and to the point. Some questions were about TBP’s history and background while others were simply fun. Study guides were given to assist students before the exam. All but one electee scored above a 93%. 
VII. Index of Exhibits:

Fall 2011 Tau Beta Pi Electee Exam

There are a possible 350 points on this exam (and some bonus points). The percentage you earn on this exam is proportional to the amount of points you will be awarded towards your initiation point total. You must score at least 70% (245 points) to pass. You will have 50 minutes to complete the exam. Good luck! Not that you will need it, of course.

Section 1: Tau Beta Pi, The National Engineering Honor Society

1. The Tau Beta Pi Preamble to the Constitution (5 points/blank)
   “To mark in a fitting manner those who have conferred __________ upon their Alma Mater by distinguished ___________________ and exemplary __________________ as students, or by their __________________ as alumni in the field of engineering and to foster a spirit of __________________________ in engineering colleges.”

2. What is the Tau Beta Pi creed? (5 points)

3. What are the two Tau Beta Pi chants? (20 points)

4. Where are the Tau Beta Pi headquarters located? (5 points)

5. What organization did TBP merge with in 1974? (5 points)

6. What are TBP’s colors? (10 points)

7. Draw the TBP Bent. (10 points)

8. What are the two publications of Tau Beta Pi? (10 points)

9. What year was TBP founded? At what university? By whom? (15 points)

10. List the school names for all of the Maryland Chapters. (5 points each)
    Maryland Beta  ________________
    Maryland Delta ________________
    Maryland Alpha ________________
    Maryland Gamma ________________
    Maryland Epsilon ________________
Section 2: TBP – Maryland Beta

11. What District is MD Beta in? (5 points)

12. How many times has MD Beta won the R.C. Matthews Outstanding Chapter Award? (5 points)

13. How many times has MD Beta received Honorable Mentions? (5 points)

14. What are the names (first and last) of the two initiation chairs? (20 points)

15. List the names (first and last) of these Officer Positions. (5 points each)
   - President
   - Vice President
   - Corresponding Secretary
   - Recording Secretary
   - Treasurer

16. Write the names of your fellow electees in the order they are presented (5 points each).
   1. __________________________ 10. __________________________
   2. __________________________ 11. __________________________
   3. __________________________ 12. __________________________
   4. __________________________ 13. __________________________
   5. __________________________ 14. __________________________
   6. __________________________ 15. __________________________
   7. __________________________ 16. __________________________
   8. __________________________ 17. __________________________
   9. __________________________ 18. __________________________

Section 3: Initiation Process

17. Name two community services you could have participated in this semester. (10 points)

18. What was your favorite TBP chapter activity? (10 points)

20. What did you like to do during lounge hours? (10 points)

21. How many points do you need to complete the initiation process? (10 points)
22. What was the purpose of the initiation process? (10 points)

23. What important event do we have on December 2\textsuperscript{nd}? (10 points)

24. Name one electee award you might be able to win. (5 points)

26. What event is required (strongly recommended...) to join the Habitat for Humanity trip? (5 points)

\textit{Bonus Section}
1. Write the 19\textsuperscript{th}, 2\textsuperscript{nd}, and 16\textsuperscript{th} letters of the Greek alphabet, in that order. (5 points)

2. What are the majors of your initiation chairs? (5 points each)

3. A velociraptor spots you from 40 meters away and charges, accelerating at 4 m/s\textsuperscript{2} up to a top speed of 25 m/s. When it spots you, you begin to flee, immediately reaching your top speed of 6 m/s. How far do you get before you are turned into lunch? (15 points)

4. If the junky chair without wheels in the TBP lounge weighs 16kg and the coefficient of static friction between it and the carpet is .25, with how much force must you push to make the chair move? (5 points)

5. What is the first rule of Fight Club? (5 points)

6. What are the first three terms of the taylor expansion of \cos(x)? (5 points)

7. What have been your favorite and least favorite parts of the initiation process? (10 points)
<table>
<thead>
<tr>
<th>Members (3)</th>
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<tbody>
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</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CO7

Project name: GBM 2/ Fall Electee Voting Meeting
Date(s) of Project: November 30, 2011

Project area: __Community/ ___University/ ___Profession/ X Chapter/ ___Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 15
Electees: 0

Hours spent on this project.
Organizing: 0
Participating: 1

DESCRIPTION:

I. General Description:
The Electee Voting meeting was held to confirm the intent to initiate the semester’s electees. Officers and current members examined the character and integrity electees had demonstrated throughout the semester. Any potential objections to an individual’s initiation were raised and discussed although all electees were deemed fit to join the chapter. Since not enough members were present during voting, an electronic ballot was sent out by email to meet the minimum as mandated by the Constitution.

II. Purpose & Relationship to Objectives of TBP:
The purpose of the Electee Voting was to ensure that all new members of Tau Beta Pi in the Maryland Beta chapter would represent the values of Tau Beta Pi and reflect well upon our chapter.

III. Organization & Administration: (in conjunction with another group? ___ Yes X No)

IV. Cost & Personnel Requirements:
There were no costs associated with this event. All officers were present in order to conduct voting.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
The Electee Voting meeting was successful and largely uneventful, as the officers and current members elected all the electees.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (15)</th>
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<tbody>
<tr>
<td>Sigmund Albert Gorski</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B
Project number: CO8

Chapter Project Report

Project name: Fall Initiation
Date(s) of Project: December 2, 2011

Project area: Community/University/Profession/Chapter/Education/Liberal Culture/College/Engineering/Social/Prof. Dev.

Number of persons who participated in this project
Members: 16
Electees: 13

Hours spent on this project.
Organizing: 2
Participating: 2

DESCRIPTION:

I. General Description:
The Initiation Ceremony was held as per Tau Beta Pi tradition. Maryland Beta commemorated the induction of 13 new members after their productive semester of community service and bonding with their fellow engineering students.

II. Purpose & Relationship to Objectives of TBP:
The Initiation Ceremony was the final step for our new members’ transition into our society, granting to them all the privileges and responsibilities of a Tau Beta Pi member.

III. Organization & Administration: (in conjunction with another group? Yes X No)

IV. Cost & Personnel Requirements:
The ceremony posed no monetary cost, but required the presence and participation of several Maryland Beta members, as well as of two faculty advisors and district director JP Blackford.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
This Initiation Ceremony was a successful one; several new members commented on the meaning and significance of the ceremony and attendants were generally pleased with the timeliness and execution of the event.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (16)</th>
<th>Electees (13)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caleb Barrett</td>
<td>Alden Grobicki</td>
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<td>Dr. Charles Silio</td>
<td>Carlos Casarez</td>
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<td>Eric Federline</td>
<td>Craig Schindler</td>
</tr>
<tr>
<td>Erin Bak</td>
<td>Hannah Allison</td>
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<tr>
<td>Dr. Gary Pertmer</td>
<td>Hongyi Xia</td>
</tr>
<tr>
<td>Harrison Chau</td>
<td>Jake Steinberg</td>
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<tr>
<td>JP Blackford</td>
<td>Jonathan Isser</td>
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<tr>
<td>Justin Bare</td>
<td>Lauren Dorsey</td>
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<tr>
<td>Justin Huang</td>
<td>Michael Kelly</td>
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<td>Majid Waheed</td>
<td>Nicholas Hesser</td>
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<td>Rachel Stein</td>
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<td>Meron Tesfaye</td>
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<td>Nick Kratzmeier</td>
<td>Ted Lillie</td>
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<tr>
<td>Nikki Nguyen</td>
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<tr>
<td>Sigmund Albert Gorski</td>
<td></td>
</tr>
<tr>
<td>Sean Symon</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CO9

Project name: Spring First Look Meetings
Date(s) of Project: February 8 & 9, 2012

Number of persons who participated in this project
Members: 13
Electees: 20

Number of persons who participated in this project
Members: 13
Electees: 20

Hours spent on this project.
Organizing: 5
Participating: 3

DESCRIPTION:

I. General Description:
The first look meetings were a chapter activity to allow prospective members to learn about Tau Beta Pi and what initiation into Tau Beta Pi involves. Thanks to one of the fundraising chairs who ordered the food, both members and prospective members were treated to pizza. The president, vice president, and both initiation chairs presented a PowerPoint presentation then talked to prospective members afterwards.

II. Purpose & Relationship to Objectives of TBP:
The first look meetings allowed students who are eligible to join Tau Beta Pi to meet fellow TBP members, learn about the organization, and learn about what is required to become a member of Tau Beta Pi. The purpose of this activity was to help eligible students to meet executive board members and current members of TBP. The first look meeting was also a social event for current members to get free pizza and meet prospective members.

III. Organization & Administration: (in conjunction with another group? ___ Yes ___ No)

IV. Cost & Personnel Requirements:
The cost of the first look meeting was $187.85 for the pizzas

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
The first look meetings were a big success. We had a large turnout of prospective members. A lot of members of Tau Beta Pi were also present, which allowed prospective members to feel more welcome.

VII. Index of Exhibits:
Please see CO2 since the powerpoint presentation is very similar.
<table>
<thead>
<tr>
<th>Members (13)</th>
<th>Electees (20)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ricky Burcat</td>
<td>Sharon Anderson</td>
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<td>Kevin Li</td>
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<td>Esmaeel Paryavi</td>
<td>Barry McMenamin</td>
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<td>Ben Walsh</td>
<td>Kenneth Morgan</td>
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<td>Camila Saez</td>
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<td>Komal Syed</td>
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<td>Vincent Vernacchio</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B
Chapter Project Report
Project number: CO10

Project name: Spring Second Look Meetings
Date(s) of Project: February 14 & 15, 2012

Project area: X Chapter/ __ Community/ __ University/ __ Profession/ __ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 2
Electees: 23

Hours spent on this project.
Organizing: 1
Participating: 3

DESCRIPTION:

I. General Description:
The second look meetings were a chapter activity that allowed prospective members to learn about the specific requirements as an electee to become a member of Tau Beta Pi. The initiation chairs went into detail about the events that would occur during the semester and what requirements they needed to complete in order to be initiated at the end of the semester.

II. Purpose & Relationship to Objectives of TBP:
The second look meetings allowed the students who expressed interest in Tau Beta Pi to get to know their initiation chairs better and to meet the other electees. The purpose of the second look meetings was to inform the prospective members of the requirements as electees. The electees also filled out catalog cards.

III. Organization & Administration: (in conjunction with another group? Yes X No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
The second look meetings were very successful; a large number of prospective students returned after the first look meetings.
VII. Index of Exhibits:

Initiation Requirements:

Mandatory:

- Attend Initiation (April 25th, 2012 at 5:00 PM)
- Attend all electee meetings
- Pay Initiation fee of $90 (there are no subsequent dues)
- Complete events from the following categories:
  - Chapter Activities (2+)
  - Community Service (1+)
  - Bent (3)
  - Electee Exam (1)
  - Maryland Beta (2+)

<table>
<thead>
<tr>
<th>Event</th>
<th>Point Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basketball Concessions</td>
<td>20 points</td>
</tr>
<tr>
<td>Dinner Night</td>
<td>5 points</td>
</tr>
<tr>
<td>Ice Skating</td>
<td>5 points</td>
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<tr>
<td>Laser Tag</td>
<td>5 points</td>
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<tr>
<td></td>
<td>(+1 point per person you bring)</td>
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<tr>
<td>Panda Express Fundraiser</td>
<td>5 points</td>
</tr>
<tr>
<td></td>
<td>(+1 point per person you bring)</td>
</tr>
<tr>
<td>Maryland Day</td>
<td>15 points</td>
</tr>
<tr>
<td>MindSET</td>
<td>15 points</td>
</tr>
<tr>
<td>Park Cleanup</td>
<td>10 points</td>
</tr>
<tr>
<td>Pi Run</td>
<td>10 points (volunteering)</td>
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<tr>
<td></td>
<td>5 points (running)</td>
</tr>
<tr>
<td>Relay for Life</td>
<td>10 points</td>
</tr>
<tr>
<td>Science Bowl</td>
<td>15 points</td>
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<tr>
<td>USA Science &amp; Engineering Festival</td>
<td>15 points/4 hour shift</td>
</tr>
<tr>
<td>Bent</td>
<td>20 points (30 for best bent)</td>
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</tbody>
</table>

Bents without signatures are due on April 2
<table>
<thead>
<tr>
<th>Event</th>
<th>Description</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>Officer and Member Signatures</td>
<td>½ point each (6 required)</td>
<td></td>
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<tr>
<td>Faculty Advisor Signatures</td>
<td>2 points each (1 required)</td>
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<tr>
<td></td>
<td>All signatures are due on April 17</td>
<td></td>
</tr>
<tr>
<td>Electee Exam</td>
<td>Pass an exam on the TBP National Constitution, Chapter History and Bylaws, 25</td>
<td>(possible)</td>
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<tr>
<td></td>
<td>and general engineering knowledge.</td>
<td></td>
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<tr>
<td></td>
<td>Two options:</td>
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<td></td>
<td>May 2 or 3</td>
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<tr>
<td>Maryland Beta</td>
<td>Shine a small bronze bent (to be provided)</td>
<td>10 points</td>
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<tr>
<td></td>
<td>(20 for shiniest bent)</td>
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<td></td>
<td>Small bents are due on April 9</td>
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<tr>
<td></td>
<td>Lounge hours</td>
<td>1 point/hour</td>
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<tr>
<td></td>
<td>Clean the TBP lounge (This can be done as a group activity)</td>
<td>10 points/hour</td>
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<td></td>
<td>Shine the TBP bent in front of the Glenn L. Martin Hall (This will be done as a scheduled group activity)</td>
<td>10 points</td>
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<tr>
<td>Members (2)</td>
<td>Electees (23)</td>
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<td>Lauren Dorsey</td>
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<td>Mark Reese</td>
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<td>Sylvie DeLaHunt</td>
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<td>Jeremy Finifter</td>
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<td>Rosemary Garcia</td>
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<td>Komal Syed</td>
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<tr>
<td></td>
<td>Vincent Vernacchio</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CO11

Project name: General Body Meeting 3
Date(s) of Project: February 28, 2012

Project area: __ Community/ Liberal Culture
University/ College
Profession/ Engineering
X Chapter/ Social
__Education/ Prof. Dev.

Number of persons who participated in this project
Members: 17
Electees: 4

Hours spent on this project.
Organizing: 2
Participating: 1

DESCRIPTION:

I. General Description:
Members of TBP assembled for the first General Body Meeting of the Spring 2012 semester. The event welcomed interested potential electees and current members, brought them together, and shared the goals and events that the chapter had for the semester. The event consisted of a short presentation and brief speeches by the president and some of the officers.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this event was to provide electees and members with information about the state of TBP and upcoming events planned for the semester, including community service, social, and academic opportunities. It’s important for TBP communicate with its members so that they know about the upcoming events and can get excited for what has been planned. Without the GBM, attendance at these future events would be lower, and we would not be able to do as many community service events or be able to be an important part of the engineering community. This event also serves as an introduction to the community for potential electees, as this is one of the first events and the electees get to hear about what TBP does and is all about.

III. Organization & Administration: (in conjunction with another group? ___ Yes  X No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
The event turned out to be a very informative and a great way for members and potential electees to meet. Electees were able to learn more about TBP and the events we had planned for the semester, as well as interact and mingle with current members and officers. As a result of the Q&A, we were able to answer some questions about the initiation process and get some ideas for upcoming events.
VII. Index of Exhibits:
N/A

<table>
<thead>
<tr>
<th>Members (17)</th>
<th>Electees (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sean Symon</td>
<td>Will DeMore</td>
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<td>Kevin Li</td>
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<td>Justin Bare</td>
<td>Eisha Nathan</td>
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<td>Eric Federline</td>
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<td>Mark Reese</td>
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<td>Lauren Dorsey</td>
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<tr>
<td>Ricky Burcat</td>
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<td>Rebecca Foust</td>
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<td>Kip Hart</td>
<td></td>
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<tr>
<td>Xiaoting Hu</td>
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<tr>
<td>Matt Marcus</td>
<td></td>
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<td>Sean Weerakoddy</td>
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<tr>
<td>Al Gorski</td>
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<tr>
<td>Caleb Barrett</td>
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<tr>
<td>Erin Bak</td>
<td></td>
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<tr>
<td>Hongyi Xia</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CO12

Project name: District 4 Conference
Date(s) of Project: March 31 – April 1, 2012

Project area: Community/University/Profession/Chapter/Education
Liberal Culture/College/Engineering/Social/Prof. Dev.

Number of persons who participated in this project
Members: 6
Electees: 0

Hours spent on this project.
Organizing: 2
Participating: 24

DESCRIPTION:

I. General Description:
The purpose of this event was to gather all the District 4 Tau Beta Pi chapters together to encourage formation of cross-chapter professional relationships and to learn from the experiences of the other chapters. There were several presentations and tours by the host chapter of the Naval Academy, in addition to group work sessions to interact with other chapters. In the evening, there were social events with all the attendees.

II. Purpose & Relationship to Objectives of TBP:
The purpose was to encourage a sense of community in the engineering field and among members of Tau Beta Pi. Through this event and the learning that took place, our chapter was able to improve the service we provide to our members. This is directly relevant to the objectives of Tau Beta Pi since the organization as a whole derives most of its power and effectiveness from the sum of the individual chapters.

III. Organization & Administration: (in conjunction with another group? Yes No)
This event was done in conjunction with the other District 4 chapters as well as the District 4 leadership.

IV. Cost & Personnel Requirements:
There was no cost to our chapter for this event as we were reimbursed by the District 4 leaders.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
This was a very successful event. Many of our members asked questions and were very engaged during the presentations. Everyone learned a lot from the event, and we are prepared to be a better chapter now with more effective service for our members.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nick Kratzmeier</td>
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<tr>
<td>Justin Bare</td>
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<td>Caleb Barrett</td>
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<td>Hongyi Xia</td>
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<tr>
<td>Sean Symon</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CO13

Project name: GBM 4/Spring Electee Voting Meeting
Date(s) of Project: April 5, 2012

Project area:
Community/University/Profession/
__ Community/ University/ _ Profession/ X Chapter/ _ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 15 Electees: 2

Hours spent on this project.
Organizing: 1 Participating: 1

DESCRIPTION:

I. General Description:
The 2nd General Body Meeting of the semester gave members and electees a brief update about upcoming events and initiation. It also discussed the District 4 Conference and electee voting.

II. Purpose & Relationship to Objectives of TBP:
The purpose of the meeting was to relay information to members about the current developments of the chapter. The chapter also began electee voting during the meeting. Since a majority of members was not available, an online ballot on Survey Monkey was emailed to all members for the electee election.

III. Organization & Administration: (in conjunction with another group? ___ Yes X No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
The turn-out for the second general body meeting was low, but the meeting accomplished the purposes and objectives as described in the previous section.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (15)</th>
<th>Electees (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sean Symon</td>
<td>Jarrett Raiford</td>
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<td>Eric Federline</td>
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<td>Emmarie Myers</td>
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<td>Randy Liu</td>
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<td>Thomas Pillsbury</td>
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<td>Nick Hesser</td>
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<td>Alden Grobicki</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B
Chapter Project Report

Project number: CO14

Project name: Spring Electee Exam Date(s) of Project: April 18 & 19, 2012

Number of persons who participated in this project
Members: 3 Electees: 25

Hours spent on this project. Organizing: 1 Participating: 2

DESCRIPTION:

I. General Description:
The Electee Exam tested the electee class on knowledge about Tau Beta Pi as well as the Maryland Beta chapter.

II. Purpose & Relationship to Objectives of TBP:
The purpose of the exam was to ensure all new members would understand the basic history and fundamental values of the organization. The exam also allowed the Initiation Chairs to gauge how well the electees were engaging with the rest of their electee class, getting involved through social and service events, and being kept up-to-date by official communication.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
There were no costs associated with this event. The Initiation Chairs administered the test, and the President helped grade the tests afterwards.

V. Special Problems:
An alternative time had to be scheduled for two electees who could not make the two scheduled times; otherwise, the exam was administered smoothly.

VI. Overall Evaluation/Results (Be Specific):
All electees did very well on the test, demonstrating a commitment to Tau Beta Pi and the Maryland Beta chapter.
VII. Index of Exhibits:

**Spring 2012 Tau Beta Pi MDB Electee Exam**

There are a possible 350 points on this exam (and some bonus points). The percentage you earn on this exam is proportional to the amount of points you will be awarded towards your initiation point total. You must score at least 70% (245 points) to pass. Good luck! Not that you will need it, of course.

*Section 1: Tau Beta Pi, The National Engineering Honor Society*

1. The Tau Beta Pi Preamble to the Constitution (5 points/blank)
   “To mark in a fitting manner those who have conferred __________ upon their Alma Mater by distinguished __________ and exemplary __________ as students, or by their __________ as alumni in the field of engineering and to foster a spirit of __________ in engineering colleges.”

2. What is the Tau Beta Pi creed? (5 points)

3. What are the two Tau Beta Pi chants? (20 points)

4. Where are the Tau Beta Pi headquarters located? (5 points)

5. What organization did TBP merge with in 1974? (5 points)

6. What are TBP’s colors? (10 points)

7. Draw the TBP Bent. (10 points)

8. What are the two publications of Tau Beta Pi? (10 points)

9. What year was TBP founded? At what university? By whom? (15 points)

10. List the school names for all of the Maryland Chapters. (5 points each)

   Maryland Beta
   Maryland Delta
   Maryland Alpha
   Maryland Gamma
   Maryland Epsilon
Section 2: TBP – Maryland Beta

11. What District is MD Beta in? (5 points)

12. How many times has MD Beta won the R.C. Matthews Outstanding Chapter Award? (5 points)

13. How many times has MD Beta received Honorable Mentions? (5 points)

14. What are the names (first and last) of the two initiation chairs? (20 points)

15. List the names (first and last) of these Officer Positions. (5 points each)
   President __________________________
   Vice President __________________________

16. Write the names of your fellow electees in the order they are presented (5 points each).
   1. __________________________
   2. __________________________
   3. __________________________
   4. __________________________
   5. __________________________
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  23. __________________________
  24. __________________________
  25. __________________________
  26. __________________________

Section 3: Initiation Process

17. Name two community services you could have participated in this semester. (10 points)

18. What was your favorite TBP chapter activity? (5 points)

20. What did you like to do during lounge hours? (5 points)

21. How many points do you need to complete the initiation process? (5 points)
22. What was the purpose of the initiation process? (5 points)

23. What important event do we have on April 25th? (10 points)

24. Name one electee award you might be able to win. (5 points)

**Bonus Section**

1. Write the 19th, 2nd, and 16th letters of the Greek alphabet, in that order. (5 points)

2. What are the majors of your initiation chairs? (5 points each)

3. A velociraptor spots you from 40 meters away and charges, accelerating at 4 m/s² up to a top speed of 25 m/s. When it spots you, you begin to flee, immediately reaching your top speed of 6 m/s. How far do you get before you are turned into lunch? (15 points)

4. If the junky chair without wheels in the TBP lounge weighs 16kg and the coefficient of static friction between it and the carpet is .25, with how much force must you push to make the chair move? (5 points)

5. What is the first rule of Fight Club? (5 points)

6. What are the first three terms of the Taylor expansion of cos(x)? (5 points)

7. What have been your favorite and least favorite parts of the initiation process? (10 points)

8. 100 passengers are waiting in line to board an airplane with 100 seats. When the first passenger boards the plane, he realizes he has lost his boarding pass, so he selects a seat at random and sits down. The rest of the passengers begin to board the plane, one by one. They walk to the seat indicated on their boarding pass; if the seat is vacant, they sit down. Otherwise, they select a seat at random and sit down. What is the probability that the 100th person sits down in the seat indicated on his boarding pass? You must explain your answer. (100 points)
<table>
<thead>
<tr>
<th>Members (3)</th>
<th>Electees (25)</th>
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<tbody>
<tr>
<td>Lauren Dorsey</td>
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<td>Komal Syed</td>
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<td>Vince Vernacchio</td>
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The Tau Beta Pi Association  
Chapter: __MD B__  
Project number: ____CO15____

Project name: Spring Initiation  
Date(s) of Project: April 25, 2012

Project area: __Community/ Liberal Culture  __ University/ College  __ Profession/ Engineering  X Chapter/ Social  __Education/ Prof. Dev.

Number of persons who participated in this project  
Members: __22__  Electees: __27__

Hours spent on this project.  
Organizing: __4__  Participating: __1__

DESCRIPTION:

I. General Description:  
The Initiation Ceremony was held as per Tau Beta Pi tradition. Maryland Beta commemorated the induction of 27 new members after their productive semester of community service and bonding with their fellow engineering students.

II. Purpose & Relationship to Objectives of TBP:  
The Initiation Ceremony was the final step for our new members’ transition into our society, granting to them all the privileges and responsibilities of a Tau Beta Pi member.

III. Organization & Administration: (in conjunction with another group? ___ Yes  X No)

IV. Cost & Personnel Requirements:  
The ceremony did not entail monetary costs. It required the presence and participation of several Maryland Beta members, three faculty advisors, and district director Russ Wernerth. In addition to 26 electees, two student guests from George Washington University as well as eminent engineer Dr. Michael Griffin were in attendance.

V. Special Problems:  
Two students from George Washington were elected with our class due to scheduling conflicts with their own initiation. There were no serious issues.

VI. Overall Evaluation/Results (Be Specific):  
This Initiation Ceremony was a successful one; members noted the smooth execution of the entire ceremony and Dr. Michael Griffin praised the chapter’s attention to detail and dedication to excellence.

VII. Index of Exhibits:  
A picture of the spring 2012 initiation class is on the front cover of the report.
<table>
<thead>
<tr>
<th>Members (22)</th>
<th>Electees (27)</th>
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</thead>
<tbody>
<tr>
<td>Caleb Barrett</td>
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<td>Dr. Michael Griffin</td>
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<td>Vince Vernacchio</td>
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<td>Shannon White</td>
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</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CO 16

Project name: Post-Initiation Banquet
Date(s) of Project: April 25, 2012

Project area: Community/University/Profession/Chapter/Education:
Liberal Culture/College/Engineering/Social/Prof. Dev.

Number of persons who participated in this project
Members: 17
Electees: 15

Hours spent on this project.
Organizing: 1
Participating: 3

DESCRIPTION:

I. General Description:
Banquet was a social event which celebrated electee initiation for the past two semesters and celebrated senior graduation. One of the social chairs, Erin Bak, did a great job in organizing all of the details for Banquet. It was held at a restaurant called Franklin’s, which is in close driving distance from the University of Maryland. Banquet was held the evening of initiation, so attendance was high. Almost all of the electees attended and many members attended too. In addition, Dr. Griffin, Dr. Silio, Russ Werneth, and his wife joined us.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this activity was to allow newly initiated members and older members of TBP to celebrate initiation and to also allow TBP seniors to spend time with the rest of their chapter one last time before they graduate.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
The banquet had a net cost $567.71 for TBP. It actually cost $842.71, but members of TBP covered $275.

V. Special Problems:
No special problems arose. Banquet went very smoothly.

VI. Overall Evaluation/Results (Be Specific):
Banquet was a huge success. The restaurant food tasted great, the meal went smoothly, many people were in attendance, and everyone enjoyed themselves. In addition, after dinner was finished, Dr. Griffin gave an hour or so of his time to talk about his life and experiences.

VII. Index of Exhibits:
N/A
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<th>Members (17)</th>
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<td>Jake Steinberg</td>
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<td>Hongyi Xia</td>
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# Chapter Services

Projects: 4

Total Person-Hours: 55

<table>
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<tr>
<th>Number</th>
<th>Project</th>
<th>Date</th>
<th>Total Hours</th>
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<tr>
<td>CS1</td>
<td>Law Alumni Panel</td>
<td>10/26/2011</td>
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<tr>
<td>CS2</td>
<td>Graduate Student Panel</td>
<td>11/11/2011</td>
<td>26</td>
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<tr>
<td>CS3</td>
<td>Navy Info Session</td>
<td>03/08/2012</td>
<td>4</td>
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<tr>
<td>CS4</td>
<td>Scholarship Committee Meeting</td>
<td>03/10/2012</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B
Project number: CS1

Chapter Project Report

Project name: Law Alumni Panel
Date(s) of Project: October 26, 2011

Project area:
- ___ Community/
- ___ University/
- X Profession/
- ___ Chapter/
- ___ Education/
- Liberal Culture
- College
- Engineering
- Social
- Prof. Dev.

Number of persons who participated in this project
Members: 9
Electees: 3

Hours spent on this project.
Organizing: 3
Participating: 2

DESCRIPTION:

I. General Description:
Three alumni who are currently practicing in the field of law (after receiving their engineering degrees) returned to share their experiences with undergraduates possibly considering this unique career path, as well as offer information on protecting intellectual property.

II. Purpose & Relationship to Objectives of TBP:
This event helped develop members as professionals. It showed the value of an engineering degree even in the legal field, how important it is to protect intellectual property as an engineer (and how to go about doing so), as well as provide career advice for those wanting to practice patent law.

III. Organization & Administration: (in conjunction with another group? ___X Yes ___ No)
We partnered with the Electrical and Computer Engineering (ECE) Honors Society, Eta Kappa Nu, to sponsor the event. The ECE Department’s External Relations Committee helped identify alumni and contact them. They also organized the purchasing of food, room reservations, and helped design a flyer.

IV. Cost & Personnel Requirements:
The ECE Department purchased the food, and the chapter just had to supply 1 member to act as a host for the alumni and as a moderator for the panel.

V. Special Problems:
There weren’t any major problems. We asked for people to RSVP to ensure there was enough food, but many more people showed up without a prior RSVP. Had we not ordered extra food, this might have been an issue.

VI. Overall Evaluation/Results (Be Specific):
The panel was a great success. It answered many of the questions people had about pursuing a law degree after engineering, the applications of engineering in law, and how to protect your intellectual property. Numerous people commented that this was a career path they might be interested in pursuing.
VII. Index of Exhibits:
Flyer to advertise the event is attached.

<table>
<thead>
<tr>
<th>Members (9)</th>
<th>Electees (3)</th>
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<tbody>
<tr>
<td>Justin Bare</td>
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<td>Phil Sandborn</td>
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<td>Sean Symon</td>
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<td>Ben Walsh</td>
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</table>
Engineering & The Law
ALUMNI PANEL

Have you considered the many directions you can take with a degree in engineering? Discover the paths of these Maryland engineering alumni into unchartered territory.

Wednesday, October 26, 2011
A.V. Williams, Room 2460
5:30 - 7 PM
Refreshments will be served.

All students welcome with RSVP to ashakuur@umd.edu.

Frederick N. Samuels, Co-founder, Cahn & Samuels, LLP
B.S. EE, UMD; J.D., George Washington University School of Law

Frederick N. Samuels has worked in the field of intellectual property since 1986. He began his career as a Patent Examiner in the United States Patent and Trademark Office and has been in private practice since 1990. He has extensive experience in all aspects of intellectual property, including litigation, administrative proceedings, patent and trademark procurement, technology transfer and licensing.

Jay Lytle, Partner, Sughrue Mion, PLLC
B.S. EE, 1982, UMD; M.S. EE, 1990, UMD; J.D. magna cum laude, 1996 American University

Jay Lytle practices in all areas of patent law with an emphasis on patent litigation, counseling clients on intellectual property matters, preparing and prosecuting patents, and opinion work. He has experience litigating patent issues in various U.S. district courts and the International Trade Commission (ITC). He has considerable experience writing and prosecuting patent applications in the electrical and mechanical arts, particularly with computer hardware, software, network, and telecommunications technologies.

Charles H. Harris, Director of the Intellectual Property Office
B.S. ME, 1986, UMD; J.D., 1991, Georgetown University; M.S. Biotechnology, 2002, JHU

Provides legal advice to Secretariat, Air Staff, Program Executive Officer (PEO) and Major Command (MAJCOM) level clients concerning rights in technical data and computer software, technology transfer and intellectual property matters. In one assignment, Mr. Harris had core responsibility for intellectual property matters involving the Marine Corps. He is a member of the state bar of Maryland.

Co-sponsors:
ECE Honors Society, Eta Kappa Nu
Engineering Honors Society, Tau Beta Pi
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CS2

Project name: Graduate Student Panel
Date(s) of Project: November 11, 2011

Project area:

- Community/
- University/
- X Profession/
- X Chapter/
- _ Education/

Number of persons who participated in this project

Members: 7
Electees: 8

Hours spent on this project.

Organizing: 24
Participating: 2

DESCRIPTION:

I. General Description:
The purpose of this event was to inform undergraduate students about graduate school. We contacted several University of Maryland engineering alumni who had gone to graduate school and asked them if they would come back to speak to the members of our Tau Beta Pi chapter about their experiences in graduate school. To get a variety of perspectives, we had one graduate student who stayed at Maryland and two who went to other universities. One of the graduate students provided food for the event with funding from the University of Michigan – Ann Arbor and he gave a presentation about engineering at Michigan. After that, each of the graduate students presented about various topics, including how to apply to schools and fellowships and what it is like doing research. Throughout the presentations, members of TBP asked many questions.

II. Purpose & Relationship to Objectives of TBP:
The purpose was to inform engineers about going to graduate school. Engineers receive much information from companies in industry who are very eager to hire, but often the opportunities of graduate study are not heavily publicized. Graduate study, however, is a very important part of the engineering profession and the promotion of continuing education and research is a goal of TBP.

III. Organization & Administration: (in conjunction with another group? Yes No)
This event was organized in conjunction with the Maryland chapter of Eta Kappa Nu, the Electrical and Computer Engineering Honors Society.

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A
VI. Overall Evaluation/Results (Be Specific):
This was a very successful event. Many of our members asked questions and were very engaged during the presentations by the graduate students. Everyone learned a lot from the event, especially about the importance of applying for funding from fellowships, applying early, and visiting schools that you are accepted to in order to determine which school you would like to go to. I think our members benefitted greatly from the knowledge and experience of the graduate students and many of them are now sure of their decisions to pursue graduate school, or have been inspired to go on to graduate school.

VII. Index of Exhibits:
N/A

<table>
<thead>
<tr>
<th>Members (7)</th>
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<td>Rachel Stein</td>
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<td>Tanner Hamann</td>
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</table>
The Tau Beta Pi Association
Chapter: MD B
Chapter Project Report

Project number: CS3

Project name: Navy Info Session
Date(s) of Project: March 8, 2012

Project area: ___ Community/
Liberal Culture ___ University/
College ___ Profession/
Engineering ___ Chapter/
Social ___ Education/
Prof. Dev.

Number of persons who participated in this project
Members: 9
Electees: 8

Hours spent on this project.
Organizing: 2
Participating: 2

DESCRIPTION:

I. General Description:
A recruiter from the U.S. Navy’s Nuclear Propulsion Officer Candidate Program (NUPOC) held an info session for our chapter. He talked about the exciting life in the Navy and encouraged us to apply to the program, which will put you on the fast track to becoming a nuclear engineer/officer on a submarine or aircraft carrier. He also talked about opportunities for those of us wanting to remain on land and become a nuclear reactor engineer in Washington, D.C. He held a question and answer session at the end for those really interested.

II. Purpose & Relationship to Objectives of TBP:
This was a professional event, and as such, informed members and electees about career opportunities after they finish their undergraduate degree.

III. Organization & Administration: (in conjunction with another group? ___ Yes ___ No)

IV. Cost & Personnel Requirements:
Only one person was required to coordinate times and locations with the recruiter.

V. Special Problems:
There was some miscommunication about the original date, but that was worked out easily.

VI. Overall Evaluation/Results (Be Specific):
Overall, the event was a success. We had a great turnout, and numerous people were excited about the opportunities the Navy presented and wished to pursue them further.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (9)</th>
<th>Electees (8)</th>
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<tbody>
<tr>
<td>Eric Federline</td>
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The Tau Beta Pi Association
Chapter Project Report

Project name: Scholarship Committee Meeting
Date(s) of Project: March 10, 2012

Project area: __ Community/ University/ Profession/ Chapter/ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 4
Electees: 0

Hours spent on this project.
Organizing: 10
Participating: 10

DESCRIPTION:

I. General Description:
Commissioning scholarships to A. James Clark School of Engineering undergraduate students based on merit, service, and need.

II. Purpose & Relationship to Objectives of TBP:
Allowing others to pursue an engineering education with as few financial constraints as possible.

III. Organization & Administration: (in conjunction with another group? ___ Yes X No)
Organization required meeting with a selection committee (Dr. William Fournery, Dr. Gary Pertmer, and Dr. Charles Silio) to holistically evaluate candidate application packages.

IV. Cost & Personnel Requirements:
No cost was incurred. See above for personnel requirements.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
Two awards of $1,000.00 were made for the C. Norman Eckert, which was for any student in the Clark School of Engineering. Two awards of $500.00 each were made for the Tau Beta Pi Underclassmen Scholarship, which was for any underclassman in the Clark School. Two awards of $500.00 each were made for the Electee Scholarship, which was for an electee to MDBETA in the 2011 calendar year.

VII. Index of Exhibits:
N/A
<table>
<thead>
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<th>Members (4)</th>
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<tr>
<td>Majid Waheed</td>
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<td>Dr. William Fourney</td>
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<td>Dr. Charles Silio</td>
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Community Service Activities

Projects: 17

Total Person-Hours: 343

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<tr>
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<td>CA1</td>
<td>Hyattsville Tree Planting</td>
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<td>CA2</td>
<td>New Orleans Info Session</td>
<td>10/29/2011</td>
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<td>CA3</td>
<td>Bladensburg Clean-up</td>
<td>11/12/2011</td>
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<td>CA4</td>
<td>Furniture Build-a-thon</td>
<td>11/12/2011-11/18/2011</td>
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<td>CA5</td>
<td>Blanket Making</td>
<td>11/29/2011</td>
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<td>CA6</td>
<td>MindSET Conference Call</td>
<td>12/02/2011</td>
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<td>CA7</td>
<td>New Orleans Habitat for Humanity Trip</td>
<td>01/14/2012-01/21/2012</td>
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<td>CA8</td>
<td>STEM Achievement Gap Week/MindSET Bridge Building 1</td>
<td>02/06/2012</td>
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<td>CA17</td>
<td>MindSET Bridge Building 2</td>
<td>05/08/2012</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CA1

Project name: Hyattsville Tree Planting
Date(s) of Project: October 15, 2011

Project area: X Community/ Liberal Culture
University/ College
Profession/ Engineering
Chapter/ Social
Education/ Prof. Dev.

Number of persons who participated in this project
Members: 6
Electees: 0

Hours spent on this project.
Organizing: 4
Participating: 3

DESCRIPTION:

I. General Description:
Members of TBP participated in a local tree planting event held in nearby Magruder Park. The event was sponsored by the Anacostia Watershed Society (AWS) who TBP had reached out to earlier in the year in an effort to get more involved with local community service organizations. The event consisted of an information session about the importance of the Anacostia watershed following by a tree planting exercise. Members were taught how to properly plant the seedling before beginning. Members then paired off and began the process themselves. Overall, 40+ trees were planted on the day.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this event was to provide an opportunity for TBP to give back to the local community while also getting involved with area community service organizations in an effort to facilitate future opportunities together. Participating in these local events provides a chance for members not only to represent TBP but also the University of Maryland.

III. Organization & Administration: (in conjunction with another group? X Yes ___ No)
We partnered with the Anacostia Watershed Society who organized the event.

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
There were no special problems for this event; however, no electees who signed up for the event were able to make it out to participate with the group due to a series of problems that arose. However, the members who were able to make it out bonded closer together through the experience.
VI. Overall Evaluation/Results (Be Specific):
This program turned out to be a very informative and rewarding event. Members were able to give back to the community through the event, but also learn a great deal about the Anacostia Watershed and the importance of maintaining it. TBP was also able to gain a bit of publicity about the group as a few of the members were interviewed by a local news organization. TBP is excited about the possibility of working with AWS for future events.

VII. Index of Exhibits:
N/A

<table>
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<tr>
<th>Members (6)</th>
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<tbody>
<tr>
<td>Justin Bare</td>
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<td>Eric Federline</td>
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<td>Mark Reese</td>
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<td>Sean Symon</td>
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<tr>
<td>Nick Kratzmeier</td>
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<tr>
<td>Randy Liu</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: _MD B_
Chapter Project Report
Date(s) of Project: _October 29, 2011_

Project name: _New Orleans Info Session_

Number of persons who participated in this project
Members: _7_
Electees: _1_

Hours spent on this project.
Organizing: _1_
Participating: _1_

DESCRIPTION:

I. General Description:
TBP has coordinated an annual alternative winter break trip to volunteer with Habitat for Humanity in New Orleans for the past six years. This year, we are adding a stop to Tuscaloosa, AL to help with the rebuilding efforts there from damage caused by tornadoes last April. We will be teaming up with AL-Beta at this event. This meeting was a chance to disseminate information about the trip to interested members of MD-Beta. Logistics such as transportation, lodging, and cost were discussed.

II. Purpose & Relationship to Objectives of TBP:
This info session was necessary to help gauge interest in our community service trip to New Orleans. The service trip will be an opportunity to serve the great cities of Tuscaloosa and New Orleans and a chance to promote TBP’s liberal culture.

III. Organization & Administration: (in conjunction with another group? _X_ Yes ___ No)
One of MD-Beta’s Community Service Chairs researched potential dates for the trip, corresponded with AL-Beta’s president, and estimated trip expenses. The meeting was held in the TBP lounge on campus and lasted about an hour.

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
The meeting went well. We were able to discuss dates and the cost of the trip, as well as lodging and transportation. There were seven members and one electee at the meeting. All eight have decided to participate on the trip after receiving the information.

VII. Index of Exhibits:
N/A
### Chapter Report

#### University of Maryland

2011 – 2012

<table>
<thead>
<tr>
<th>Members (7)</th>
<th>Electees (1)</th>
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<tbody>
<tr>
<td>Ricky Burcat</td>
<td>Alden Grobicki</td>
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<td>Nick Kratzmeier</td>
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<td>Harrison Chau</td>
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<td>Erin Bak</td>
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<td>Sean Symon</td>
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</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CA3

Project name: Bladensburg Clean-up

Date(s) of Project: November 12, 2011

Number of persons who participated in this project
Members: 2
Electees: 4

Hours spent on this project.
Organizing: 3
Participating: 3

DESCRIPTION:

I. General Description:
Members of TBP participated in a local waterfront cleanup event held in nearby Bladensburg Park. The event was sponsored by the Anacostia Watershed Society (AWS) with whom TBP has previously worked. The event started off with an informational session given by AWS on the importance of keeping the Anacostia clean and free of pollution. Next, members paired up and canoed down the Anacostia while collecting trash and recyclables along the way. Members stopped at a designated pick-up site where more trash and recyclables were collected.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this event was to provide an opportunity for TBP to give help clean up the Anacostia riverfront while continuing to develop a relationship with the Anacostia Watershed Society.

III. Organization & Administration: (in conjunction with another group? Yes No)
We partnered with the Anacostia Watershed Society who organized the event.

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
This program turned out to be a very informative and rewarding event. Members were able to give back to the community through the event, but also learn a great deal about the Anacostia Watershed and the importance of maintaining it. The event also turned out to be a good bonding experience for members since they were paired for canoeing. Overall, it was a very rewarding experience and I look forward to continuing our relationship with AWS throughout the rest of the academic year.

VII. Index of Exhibits:
N/A
<table>
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<tr>
<th>Members (2)</th>
<th>Electees (4)</th>
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<tbody>
<tr>
<td>Eric Federline</td>
<td>Tanner Hamann</td>
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<tr>
<td>Mark Reese</td>
<td>Rachel Stein</td>
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<td></td>
<td>Alden Grobicki</td>
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<td>Michael Kelly</td>
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</table>
DESCRIPTION:

I. General Description:
MD Beta organized a Furniture Buildathon, where various engineering societies at UMD built pieces of furniture to be donated to A Wider Circle, a local charity that provides housing for families currently experiencing homelessness. The event, which coincided with National Hunger and Homelessness Awareness week, consisted of two parts. The first part that MD Beta was involved in was the planning phase. Our chapter was responsible for purchasing all of the unassembled furniture pieces and coordinating the pickup with A Wider Circle and the other participating societies.

The second part we participated in was the actual construction phase. MD Beta had two teams which assembled 4 pieces of furniture over 2 days. This year, in an effort to simplify and streamline the process and to lower costs, the Furniture Buildathon consisted only of Ikea furniture. After the event, a survey was sent out to participating societies and those which expressed interest but did not participate in an effort to improve the participation and logistics of the event next year.

II. Purpose & Relationship to Objectives of TBP:
This event benefited our local community in a way which also promoted engineering at our university. Building the furniture from directions required close attention to detail and coordinating all of the different aspects of the event took strict and careful planning. Above all, though, the Furniture Buildathon was a fun way to mobilize engineering students to help serve the community.

III. Organization & Administration: (in conjunction with another group? X Yes  _ No) The planning phase of this year’s Furniture Buildathon required coordination between MD Beta, A Wider Circle, and UMD’s chapter of Pi Tau Sigma. We first contacted A Wider Circle to inform them of our intent to hold the event for the 2nd consecutive year, so as to arrange a pickup date for the furniture. We then spent the weeks leading up to the event attempting to encourage various engineering societies on campus to participate in our project, and we provided them with various furniture options of different costs and time requirements (included in the index of exhibits).
On Saturday, November 12, MD Beta’s Community Service Chairpersons purchased the selected Ikea furniture. On Monday, November 14, we delivered PTS their unassembled furniture and MD Beta’s first team constructed an end table and a coffee table. On Thursday, November 17, MD Beta’s second team constructed another end table and a bookcase. On Friday, November 18, MD Beta’s 4 pieces of furniture and PTS’s 2 pieces were picked up by A Wider Circle.

IV. Cost & Personnel Requirements:
MD Beta’s 4 furniture pieces cost $158.96. PTS paid $105.98 for their 2 furniture pieces. Building the furniture required only a hammer and a screwdriver which were provided by MD Beta. A Wider Circle arranged the furniture pickup free of charge.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
The Furniture Buildathon produced 6 pieces of furniture donated to charity and cost MD Beta $158.96. This is 50% more furniture pieces donated than last year at less than half of last year’s cost ($320) to our chapter. We are happy with that improvement, but we unfortunately did not get the level of participation we had anticipated. While 5 groups expressed interest in our event, only Pi Tau Sigma followed through and participated. This was the reason for the evaluation survey whose results are posted in the index of exhibits. The survey results indicate that earlier notice of the event, as well as lower cost furniture options and allowing other groups greater involvement in the planning process would aid in increasing participation next year.

A big focus this year was to simplify the Buildathon. Last year, we decided to build the furniture out of raw materials, which needed to be stained and varnished and stored in a location with good ventilation. The Furniture Buildathon project report from last year laid out 2 areas for potential improvement: accessibility to the storage room and the hours of availability of the woodshop. This year, we decided to go with unassembled Ikea furniture. This eliminated the need for a specific location on campus for all of the groups to assemble their furniture (addressing last year’s concerns) and assured higher quality finished products at lower costs, albeit at the cost of losing that homemade touch.

VII. Index of Exhibits:

Furniture Buildathon 2011 Options:

<table>
<thead>
<tr>
<th>Option</th>
<th>Item</th>
<th>Description</th>
<th>Website</th>
<th>Cost ($)</th>
</tr>
</thead>
</table>
<pre><code>                                              | subtotal – 99.99                  |             |          |
                                              | Tax (6%) – 6.00                   |             |          |
                                              | TOTAL – 105.99                    |             |          |
</code></pre>
2nd Annual TBP Furniture Buildathon Survey Results:

If your group did NOT participate in the Furniture Buildathon this year, how can Tau Beta Pi change the project to better accommodate your group next year?

Number of Respondants: 2

- By giving earlier notice of the event and important deadlines: 2 responses
- By offering less expensive options: 1 response
- By allowing greater involvement from other groups in the planning process: 1 response
- By asking for a smaller time commitment: 1 response
- By making the project more hands-on (i.e. building IKEA furniture was too easy): 1 response
- By advertising the event better: 1 response
- Other: 0 responses
Above: The constructed piece of furniture assembled in front of the A Wider Circle truck.

Below: Members of Tau Beta Pi standing proudly in front of their masterpieces.
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CA5

Project name: Blanket Making Event
Date(s) of Project: November 29, 2011

Number of persons who participated in this project
Members: 3
Electees: 6

Hours spent on this project.
Organizing: 1
Participating: 1

DESCRIPTION:

I. General Description:
MD Beta made blankets for the children’s ward of Prince George’s Hospital Center. Felt fabric was purchased for the event, and those attending brought scissors. We took two layers of felt, cut slits along the sides, and then tied knots along the frills to attach the two layers of fabric into one blanket. A total of two blankets were donated.

II. Purpose & Relationship to Objectives of TBP:
This event was an opportunity for us to foster the liberal culture and give back directly to the local community in a fun and unique way. We were able to exercise our creative abilities in matching the layers of fabric as well as in styling the frills. It is also important not to forget about those less fortunate than ourselves, and this was just one way in which MD Beta was able to bring even a little bit of joy to those who are going through a rough time.

III. Organization & Administration: (in conjunction with another group? ___ Yes ___ No)
Felt fabric was purchased prior to the event. An e-mail was sent out designating where to meet and to request those attending to bring scissors. The two layers of felt were placed on a table, and attendees lined up around the table. About half of the attendees cut slits with the scissors and the other half tied knots after the slits were made. The blankets were made one at a time. After the blankets were made, they were driven to Prince George’s Hospital Center for donation.

IV. Cost & Personnel Requirements:
The felt fabric was the only expense at $19.08.

V. Special Problems:
A third blanket was made, but it was discovered that one of the layers of fabric was particularly dirty. Despite washing the blanket, we were unable to clean it so it was never donated.

VI. Overall Evaluation/Results (Be Specific):
Despite one of the blankets being too dirty to be donated, we were still able to make and donate two blankets to the children’s ward of a local hospital. All of the blankets were constructed without any snags in approximately one hour.
VII. Index of Exhibits:

Pictures of Tau Bates hard at work on the blankets.

<table>
<thead>
<tr>
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<th>Electees (6)</th>
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<tbody>
<tr>
<td>Ricky Burcat</td>
<td>Mike Kelly</td>
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<td>Phil Sandborn</td>
<td>Hannah Allison</td>
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<td>Mark Reese</td>
<td>Jonathan Isser</td>
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<td>Craig Schindler</td>
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<td>Hongyi Xia</td>
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<td>Rachel Stein</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B
Project number: CA6

Chapter Project Report

Project name: MindSET Conference Call
Date(s) of Project: December 2, 2011

Project area: 
- Community/
  Liberal Culture
- University/
  College
- Profession/
  Engineering
- Chapter/
  Social
- Education/
  Prof. Dev.

Number of persons who participated in this project
Members: 3
Electees: 0

Hours spent on this project.
Organizing: 1
Participating: 1

DESCRIPTION:

I. General Description:
MD Beta had a conference call with Dylan Lane about setting up a MindSET program between the University of Maryland and a middle school in Prince George’s county. During the call, the chapter created a rough schedule of events to get a sense of how to go about implementing a program. Dylan also briefed the chapter about what types of activity modules were available, the types of problems other chapters had with MindSET, and the time commitment involved with each session.

II. Purpose & Relationship to Objectives of TBP:
Tau Beta Pi is made up of engineers who demonstrate excellence in their profession. Engineering, furthermore, is a STEM field, and the nation is struggling to keep up with the demand for college students who graduate in STEM majors. It is incumbent on Tau Beta Pi, therefore, to foster enthusiasm and motivation for STEM fields at the K-12 level in order to encourage future generations to meet society’s needs. This conference call allows MD Beta to begin contributing to this effort.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
The conference call was an excellent success and gave the chapter a clear schedule and vision for implementing a MindSET program. Dylan went through step-by-step what was needed in order to get started and gave us helpful suggestions regarding the other chapter’s successes and problems encountered.

VII. Index of Exhibits:
N/A
<table>
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<th>Members (3)</th>
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<tr>
<td>Sean Symon</td>
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<tr>
<td>Nick Kratzmeier</td>
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<tr>
<td>Ricky Burcat</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CA7

Project name: New Orleans Habitat for Humanity Trip
Date(s) of Project: January 14-21, 2012

Project area: Community/

Number of persons who participated in this project
Members: 12
Electees: 0

Hours spent on this project.
Organizing: 6
Participating: 158

DESCRIPTION:

I. General Description:
MD Beta traveled to Tuscaloosa, AL, and New Orleans, LA, to help with the rebuilding efforts in both of those cities. The April 2011 tornadoes, which struck Tuscaloosa, were part of the costliest outbreak of tornadoes in US history. Our chapter teamed up with AL Beta to work on two projects in or near the city. The first project involved clearing the lots of two houses which were destroyed by the storms. We moved trash and debris strewn about the lots to the curb to be removed by the city. The second project was a Habitat for Humanity build project. Our chapters caulked the front porch, provided painting touch ups around the house, added a layer of topsoil to the front yard, and helped clean up the work site.

MD Beta then continued our trip to New Orleans, where even after more than six years the city is still rebuilding from Hurricane Katrina, the costliest natural disaster in US history. Our chapter helped in the construction of two houses. At the first house, we painted doors and the side porch, provided painting touch ups around the house, and helped construct a fence around the property. At the second house, we applied wood putty to holes in the baseboard, painted the interior, applied soffit to the front porch, and mixed/poured a concrete walkway to the house.

II. Purpose & Relationship to Objectives of TBP:
On top of being an opportunity to foster liberal culture by serving the community, this particular service event incorporated many engineering aspects as well. Attendees used engineering tools such as levels, squares, and tape measures to ensure accurate measurements. This project was very hands-on and most attendees got a chance to see how much goes into the planning and implementing of an engineering project, namely the construction of a house. Good teamwork was necessary during all phases of construction to ensure that the final product was acceptable.

III. Organization & Administration: (in conjunction with another group? Yes ___  No)
MD Beta coordinated with the New Orleans Area Habitat for Humanity, the A. James Clark School of Engineering, and the Alabama Beta chapter of Tau Beta Pi to ensure the successful completion of this project. Our chapter was able to procure a $2,000 gift from the A. James Clark School of Engineering to help cover some of the transportation costs associated with the trip. The Clark School made rental van reservations for us through the University of Maryland’s Motorpool service.
We departed College Park the night of January 14 and arrived in Tuscaloosa the morning of January 15. Alabama Beta provided unmatched hospitality during our stay. They gave us a tour of their campus, paid for our breakfast, lunch, and dinner, hosted a movie night, and provided us with lodging for the night at no cost. They also coordinated the logistics of the two service projects in Tuscaloosa. We cannot thank them enough for their help and kindness.

After we finished our service project in Tuscaloosa on January 16, we completed our drive to New Orleans and lodged at the India House Hostel. On the mornings of January 17 – 19, we drove to our Habitat for Humanity build site and worked. During our free time in the evenings, our group would sight see and explore the city. On January 20, we drove to the Lower Ninth Ward to see some of the hardest hit parts of the city and then began our journey home which was completed on January 21.

IV. Cost & Personnel Requirements:
The entire trip, which included transportation, lodging, and a mandatory Habitat for Humanity donation, cost an estimated $4,160 (New Orleans lodging cost $960, van rentals cost approximately $2,600, and the Habitat donation cost $600). We are very thankful to the A. James Clark School of Engineering which covered $2,000 of our transportation costs, and to Alabama Beta who provided us food and lodging for two days and one night at no cost to us. Our members were required to bring proper attire, sleeping bags, and sleeping mats, and they were responsible for food expenses. Due to our fundraising efforts we were able to charge our members only $50 each for the trip. The difference of approximately $1,560 was paid for by MD Beta.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
Our chapter was able to support 12 members at a cost of only $50 per member for this 7 day and 1,000 mile trip. Between AL Beta and ourselves, we helped in the clearing of two lots, and then caulked the front porch, provided painting touch ups, added a layer of topsoil, and helped clean up the work site of a house in Tuscaloosa. In New Orleans, MD Beta painted doors and the side porch, provided painting touch ups, and helped construct a fence around the property of one house, and applied wood putty to holes in the baseboard, painted the interior, applied soffit to the front porch, and mixed and poured a concrete walkway at another house. In terms of the cost of this project, the amount of members we could support, and what we were able to accomplish, this service trip was a great success.
VII. Index of Exhibits:

Top Left: Alden, Nikki, Erin, Caleb, and Mark are getting ready to pour concrete in New Orleans.
Top Right: Mark is busy raking top soil into the front lawn in Tuscaloosa.
Bottom Left: Members of MD Beta and AL Beta raking in Tuscaloosa.
Bottom Right: MD Beta members are installing soffit onto the blue house in New Orleans.
Top Left: Nick and Eric are scooping wet cement into the stoop of the blue house in New Orleans.
Top Right: Justin, Nick, and Nikki are painting closet doors of the red house in New Orleans.
Bottom Left: Members of MD Beta and AL Beta in front of the house in Tuscaloosa.
Bottom Right: MD Beta members painting the outdoor railings of the red house in New Orleans.

<table>
<thead>
<tr>
<th>Members (12)</th>
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<tbody>
<tr>
<td>Ricky Burcat</td>
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<td>Sean Symon</td>
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<td>Mark Reese</td>
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<td>Justin Bare</td>
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<td>Eric Federline</td>
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<td>Erin Bak</td>
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<td>Randy Liu</td>
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<td>Caleb Barrett</td>
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<td>Nick Kratzmeier</td>
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<td>Alden Grobicki</td>
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<tr>
<td>Harrison Chau</td>
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<td>Nikki Nguyen</td>
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</table>

Top Left: Nick and Eric are scooping wet cement into the stoop of the blue house in New Orleans. Top Right: Justin, Nick, and Nikki are painting closet doors of the red house in New Orleans. Bottom Left: Members of MD Beta and AL Beta in front of the house in Tuscaloosa. Bottom Right: MD Beta members painting the outdoor railings of the red house in New Orleans.
The Tau Beta Pi Association
Chapter Project Report

Project name: STEM Achievement Gap Week
Date(s) of Project: February 6, 2012

Project area: X Community/ University/ Profession/ Chapter/ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 10 Electees: 0

Hours spent on this project.
Organizing: 15 Participating: 5

DESCRIPTION:

I. General Description:
MD Beta teamed up with Teach for America to promote awareness of the STEM Achievement Gap in the United States. There were three components to this community service project.

The first was raising awareness on campus. This was achieved by publishing an article about the STEM Achievement Gap as well as the middle school tour conducted by Tau Beta Pi in the university’s newspaper *The Diamondback*. *The Diamondback* is, without a doubt, the most effective way to educate university students about issues such as STEM achievement since a large contingent of the university reads the newspaper.

The second part of the project was to seek involvement from the university’s faculty. Dr. Raymond Sedwick of the Aerospace Engineering department graciously offered to speak to the middle school students during their visit. He talked about reasons he decided to become an aerospace engineer, what it took to obtain a faculty position, and the problems he encountered during his education.

The last part of the project was the visit itself organized by MD Beta. The day began with a tour of the engineering buildings and laboratories. This included a tour of the Glen L. Martin wind tunnel and the Neutral Buoyancy facility in the Space Systems Laboratory. The students then went up to the student union for lunch before hearing the speaker around noon. The visit was wrapped up with a bridge building MindSET activity.

Since the students only had 75 minutes to complete the module, MD Beta set it up so that the bridges could be both built and tested quickly. The students used jumbo sized Popsicle sticks that were pre-drilled with holes. This allowed them to use screws and nuts to attach the Popsicle sticks together at the joints. The chapter tested out thumbtacks and tape a few days before the visit and determined that neither were suitable candidates to fabricate the bridges.

22 students from Drew Freeman Middle school were invited to take part in the visit. Melissa Gregson, an employee from Teach for America who helped coordinate the visit with MD Beta also attended the event.
II. Purpose & Relationship to Objectives of TBP:
The STEM Achievement Gap project fits in very well with the objectives of Tau Beta Pi. To begin with, it reinforces TBP’s commitment to community service. It also aims to encourage younger students, particularly those at the middle and high school levels, to be interested in math and science. Tau Beta Pi wants to maintain excellence and integrity and engineering and one of the ways to do so is by reaching out to younger students who might pursue engineering.

The STEM Achievement Gap project also helped the chapter to begin MindSET, Tau Beta Pi’s latest initiative. MD Beta now has an excellent relationship with a middle school in the area, and the chapter hopes to continue conducting MindSET modules in the future.

III. Organization & Administration: (in conjunction with another group?  X Yes  _ No)

IV. Cost & Personnel Requirements:
The cost to purchase materials was $182.87. Six members of Tau Beta Pi were needed to serve as MindSET mentors for each group of students. Two additional members were needed to test the bridges and conduct the pre-building demonstrations.

V. Special Problems:
There were a few problems that arose during the planning and execution of the event. Luckily none of them hindered the success of the trip. The first problem was finding a way to attach the Popsicle sticks together. Glue was not an option since we only had 75 minutes. Both tape and thumbtacks were not effective so the chapter was luckily able to think of using screws and nuts by pre-drilling holes in every single Popsicle stick.

The second problem was caused by a miscommunication between the chapter and the school. The day was originally planned to start at 10:00 am and finish at 12:00pm. The school informed us the day before that they would be arriving at 9:00 am and leaving at 1:30pm. The team managed to improvise by giving the students tours of the engineering buildings to stall for time.

The last problem was simply too little time to conduct the MindSET module. All of the groups finished their bridges, but there was not enough time to test them.

VI. Overall Evaluation/Results (Be Specific):
The project was extremely successful. Most of the students really enjoyed touring the Wind Tunnel and building the bridges. The aspects of the trip that were not as successful were the faculty speaker and the Neutral Buoyancy Facility. The middle school was so happy with the trip that they contacted the chapter to conduct a second tour in the near future for another class of students. This trip would have more time for the MindSET activity by cutting out some of the tour and the faculty speaker.
VII. Index of Exhibits:

Schedule of the trip:
9:00-10:00: Tour of the Engineering Buildings
10:00-10:30: Tour of the Wind Tunnel
10:30-11:00: Tour of the Neutral Buoyancy Facility
11:00-12:00: Lunch in the Student Union
12:00-12:15: Faculty Speaker
12:15-1:30: MindSET Module

Pictures:

Left: Between the Wind Tunnel and the Neutral Buoyancy Facility, the students were able to walk through Maryland’s Kim Building, the newest engineering building on campus.

Right: Nick of the Space Systems Laboratory talks about the Neutral Buoyancy Facility.
**Above:** Demonstration bridges and trusses for the module. The wooden truss was lent to the chapter by Engineering Ambassadors.

**Below:** Ricky Burcat, one of the community service chairs, demonstrates the strengths and weaknesses of beam bridges to the students.
Above: Vice President Nick Kratzmeier (in orange) helps his team construct their bridge.

Below: Melissa Gregson (in the purple sweater) from Teach for America helps her team build their bridge. Keenan Whitesides (center of picture) was the teacher in charge of the students.
Above: A completed bridge! Lauren Dorsey (in red) was the MindSET mentor for this group of students. Each group was assigned a mentor from Tau Beta Pi.

Below: Bronze bents were used as weights to test the bridge.
# Members (10)

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sean Symon</td>
</tr>
<tr>
<td>Ricky Burcat</td>
</tr>
<tr>
<td>Nick Kratzmeier</td>
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<tr>
<td>Andrew Sabelhaus</td>
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<tr>
<td>Saad Rehman</td>
</tr>
<tr>
<td>Erin Bak</td>
</tr>
<tr>
<td>Mark Reese</td>
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<tr>
<td>Lauren Dorsey</td>
</tr>
<tr>
<td>Carlos Casarez</td>
</tr>
<tr>
<td>Caleb Barrett</td>
</tr>
</tbody>
</table>
Project name: Science Bowl

Date(s) of Project: March 10, 2012

Number of persons who participated in this project
Members: 4
Electees: 7

Hours spent on this project.
Organizing: 1
Participating: 7

DESCRIPTION:

I. General Description:
The Science Bowl is an academic competition sponsored by the US Department of Energy for middle school students. The competition asks questions that draw from a wide range of math and science topics at the high school level. The 2012 Science Bowl took place at Prince George’s Community College and was organized by Gloria Shivers. 2012 marks the second year members and electees from TBP MD Beta have volunteered for this event.

Volunteers are responsible for judging, scoring, and time-keeping each round of the contest. There are five official roles including the moderator who asks the questions, the scientific judge who recognizes students when they buzz in, a rules judge, a scorekeeper, and a timekeeper.

There were three round robin matches played in the morning. The four teams with the best records then advanced to the semi-finals after lunch and the winners of the semi-finals competed for the title of 2011 Science Bowl champions. Although members of TBP did not judge the final, both Sean, Lauren, and Eisha were the moderator, scorekeeper, and timekeeper respectively of a semi-final match. Most of the games were extremely close this year contrary to matches in the past which were pretty lopsided.

II. Purpose & Relationship to Objectives of TBP:
The Science Bowl is an excellent example of TBP’s commitment to community service. Like Tau Beta Pi’s MindSET initiative, the Science Bowl endeavors to encourage younger students to be interested in math and science.

III. Organization & Administration: (in conjunction with another group? ___ Yes ___ No)

IV. Cost & Personnel Requirements:
N/A
V. Special Problems:
Unlike previous years, Tau Beta Pi members incited a few angry parents and coaches. During the semi-final match, Sean’s team of officials ruled the answer given to a multiple choice question incorrect since it didn’t correspond exactly to the choice in the question. Despite the student being technically correct, he did not follow the rules which cost his team the game. The coach was very angry about the call and was not afraid to tell us his feelings. The officials made the right call, nevertheless, since they followed the rules as given by the competition authorities.

VI. Overall Evaluation/Results (Be Specific):
The Science Bowl is definitely one of the most fun community service events for members and electees. Although the rules are a little unfair in some cases, the parents typically behave themselves and we are allowed to officiate without much trouble.

VII. Index of Exhibits:
N/A
The Tau Beta Pi Association
Chapter: MD B
Project number: CA10

Project name: 2nd Annual (Almost) Pi Day 5k
Date(s) of Project: March 11, 2012

Project area: Community/University/College/Engineering/Chapter/Education/Liberal Culture/College/Engineering/Chapter/Social/Prof. Dev.

Number of persons who participated in this project
Members: 4
Electees: 5

Hours spent on this project.
Organizing: 3
Participating: 3

DESCRIPTION:

I. General Description:
As part of MD Beta’s fundraising efforts for the American Cancer Society’s Relay for Life, we hosted a 5k run/walk on the University of Maryland’s campus. 15 participants showed up for this 2nd annual 5k, and $250 was raised for Relay for Life. Bagels, bananas, and water were provided to all participants and volunteers.

II. Purpose & Relationship to Objectives of TBP:
The 5k was one of MD Beta’s community service events. The money raised went toward Relay for Life, which itself is a fundraising event for cancer research.

III. Organization & Administration: (in conjunction with another group? Yes No)
The 5k started in parking lot XX1 on the Maryland campus. The course was measured and marked with signs prior to the event by the race director and volunteers. Six volunteers were stationed along the course to direct runners. Two of these course volunteers operated the water station to provide water to the runners at the half-way mark. At the start/finish area, the official time was kept on a stopwatch and the time and place were recorded as runners finished the race. The winners received gift cards to Noodles & Co. Set-up and clean-up were performed by volunteers. MD Beta advertised the event using facebook, e-mail listservs, flyers placed around campus, and with the help of the Relay for Life organization committee.

IV. Cost & Personnel Requirements:
Bagels, bananas, and water cost $30. The gift cards from Noodles & Co. cost $40. All other items required for the event, including a stopwatch, water table, whistle, etc. were provided at no cost by volunteers.

V. Special Problems:
N/A
VI. Overall Evaluation/Results (Be Specific):
15 runners participated in the race, and the event raised $250 for cancer research. The 5k went smoothly. No runners got lost and everything was on schedule. In comparison to last year’s Pi Day 5k, we tried a few things differently with mixed results. This year, in an effort to reduce overhead costs, the event did not include complimentary t-shirts for either participants or volunteers. It was discovered that this change in t-shirt policy may have been a factor in why participation dropped from last year to this year, as we saw a 50% decrease in participation. For future years, it is recommended that grants be secured from corporate sponsors to offset the cost of t-shirts because they seem to draw in a large number of participants.

VII. Index of Exhibits:
<table>
<thead>
<tr>
<th>Members (4)</th>
<th>Electees (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ricky Burcat</td>
<td>Barry McMenamin</td>
</tr>
<tr>
<td>Caleb Barrett</td>
<td>Megan Halliday</td>
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<tr>
<td>Erin Bak</td>
<td>Vince Vernacchio</td>
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<tr>
<td>Nick Weadock</td>
<td>Camila Saez</td>
</tr>
<tr>
<td>Nick Weadock</td>
<td>Addison Goodley</td>
</tr>
</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B

Chapter Project Report

Project number: CA11

Project name: Soup Kitchen Volunteering
Date(s) of Project: March 15 & April 4, 2012

Project area: Community/ University/ Profession/ Chapter/ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 2 Electees: 5

Hours spent on this project. Organizing: 1 Participating: 7

DESCRIPTION:

I. General Description:
MD Beta volunteered at the Shepherd’s Table soup kitchen in Silver Spring. We performed a variety of tasks that helped the soup kitchen to run smoothly. Duties included dish washing, cleaning, and keeping track of meals served.

II. Purpose & Relationship to Objectives of TBP:
This event was an opportunity for us to give back directly to the local community. The homeless are often a part of society that goes largely ignored. This presented a chance for us to make a difference by helping out one of the organizations that provides much needed assistance to those in great need.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
The only cost incurred was for gas to drive to and back from the soup kitchen; the driver was not interested in reimbursement.

V. Special Problems:
During our first trip to the soup kitchen, a female volunteer was approached by a guest who lingered and made her feel uncomfortable. Security was informed and the guest was asked to leave. The volunteer was moved out of the dining room and into the kitchen to avoid any further harassment.

VI. Overall Evaluation/Results (Be Specific):
With the exception of the unfortunate occurrence with the female attendee, both events went smoothly. Over the course of two evenings, the chapter played an integral role in the serving of two hundred meals.
VII. Index of Exhibits:
<table>
<thead>
<tr>
<th>Members (2)</th>
<th>Electees (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erin Bak</td>
<td>Barry McMenamin</td>
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<td>Randy Liu</td>
<td>Yasmin Kadry</td>
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<td>Jacob Schulman</td>
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<td></td>
<td>Kevin Chen</td>
</tr>
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<td></td>
<td>Jarrett Raiford</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CA12

Project name: MindSET Rocket
Date(s) of Project: April 11 & 15, 2012

Project area: 
- Community: Liberal Culture
- University: College
- Profession: Engineering
- Chapter: Social
- Education: Prof. Dev.

Number of persons who participated in this project
Members: 8
Electees: 2

Hours spent on this project.
Organizing: 15
Participating: 8

DESCRIPTION:

I. General Description:
MD Beta hosted several TBP MindSET modules this semester. This is a model rocket pilot program created and developed by our chapter. The program took place over the course of two days and occurred at the campus of our partner school, Drew-Freeman Middle School. 30 seventh grade students attended both sessions. On Day 1, the students split into groups of three and, with the help of MD Beta volunteers and teacher chaperones, built 10 Estes model rockets. Prior to the hands-on portion of the program and with the aid of a worksheet created for the program, a member of our chapter gave a brief interactive lecture on Newton’s 3rd Law and the parts of a rocket. On Day 2, after the glue and plastic cement dried, the students launched their rockets and attempted to estimate the altitudes achieved by their rockets utilizing two methods explained before the launch. The University of Maryland chapter of Sigma Gamma Tau, the aerospace engineering honor society, helped our chapter with the creation of the module, the testing of the rockets, and with running the activity.

II. Purpose & Relationship to Objectives of TBP:
The TBP MindSET program was created to help encourage K-12 students explore STEM fields at an early age. This module takes middle school students from unassembled plastic pieces to calculating how high their rockets launched in a short time period. Model rocketry is also a hobby that the students can continue for the rest of their lives. By volunteering at a local middle school, we are fulfilling the value of fostering a spirit of liberal culture in engineering colleges.

III. Organization & Administration: (in conjunction with another group? Yes No)
A partnership with Drew-Freeman Middle School had already been formed earlier in the year when our chapter hosted another MindSET activity, so establishing contact with a partner school was already completed. The time and date of the visits was then planned. MD Beta created the lesson plans and worksheets with input from UMD’s chapter of Sigma Gamma Tau (SGT), the aerospace engineering honor society. Our chapter purchased the materials both online and from a local hobby shop. We ordered one model rocket about six weeks in advance to gain familiarity with building and launching the rockets. We then ordered 12 more rockets, two of which became practice rockets for the training sessions. The two training sessions were held the week of the event and consisted of
showing the volunteers the basics of putting the model rockets together, running through the lesson plan, coordinating travel to and from the middle school, and answering any other questions.

Before Day 2 of the event, the terminal descent velocities of the rockets needed to be measured for use in the worksheets. To measure this, volunteers took one of the assembled model rockets of each model we were planning on using, installed a spent engine to simulate the mass of a descending rocket, and timed it as it fell a known distance. This was done once with the parachute deployed properly, and once with the parachute tangled up. On our test launch we found that the parachute did not deploy properly, so we wanted to make sure the students could still fill out the worksheets if this happened during the activity.

Day 1 of the event was an after school program for 30 seventh grade students. MD Beta brought all of the supplies (listed below in Section IV). The activity started by passing out the worksheets (found in Section VII) to all of the students. A brief interactive lecture was given in which the principles of Newton’s 3rd Law of Motion were explained as well as an introduction to the parts of a rocket. After the lecture, the students were split into 10 groups of three. Volunteers and teacher chaperones teamed up with the student groups to assemble their model rockets. The assembled rockets were then stored at the school.

Day 2 of the event occurred on a Sunday afternoon. The activity again started by passing out worksheets to all of the students. A brief interactive lecture was given in which two different methods of estimating the height that the rockets achieve are explained. Final instructions were given on prepping the rockets for launch, including installing the recovery wadding and packing the parachutes. Meanwhile, outside at the launch site, volunteers were busy prepping the area. Using a tape measure, 50 meters was measured from the launch pad. This location 50 meters from the launch pad is herein referred to as Point B, and the angular measurement between a person’s arm pointing to the rocket at its peak and the ground is taken at this point.

When the launch area was ready, everyone moved outside to get ready. Volunteers helped students install the rocket engines and igniter charge. When the rockets were ready for launch, they were loaded onto the pad. After the countdown, (most of) the rockets soared high into the air. Volunteers at Point B recorded the angle measurement, and walkie-talkied this number back to students at the launch site. One student from each group was in charge of timing the length of time the rocket falls from its apex to the ground to be used in a subsequent calculation. After the launch, there was a debriefing and students were helped as they filled out the worksheet. The middle school was allowed to keep the rockets, and it was up to them if and how they gave the rockets to the kids or kept them in the classroom.
IV. Cost & Personnel Requirements:
The total cost of the program was $295.84. A breakdown of the costs is shown in the following table.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Description</th>
<th>Supplier</th>
<th>Unit Cost</th>
<th>Amount</th>
<th>Total Cost</th>
<th>Tax</th>
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</thead>
<tbody>
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<td>1</td>
<td>Bandito Rocket</td>
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<td>4</td>
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<td>1</td>
<td>$10.29</td>
<td>$10.29 No Tax</td>
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<td>6</td>
<td>Launch Pad*</td>
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<td>1</td>
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*One-time purchases $111.28
Recurring Costs $184.56
Total $295.84

A TBP MindSET grant was approved for this module.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
30 students participated each day of the two day program. All 10 rockets were built, 9 of which were successfully launched. The failed launch became a learning opportunity as everyone found out what happens when an engine ignites on the launch pad but the rocket’s launch lug gets stuck on the launch rod. Overall, the students seemed to very much enjoy the program, and our chapter was invited to continue running modules with our partner school next year.
VII. Index of Exhibits:

Rocket Module Lesson Plan Day 1

1) Ask students what they know about rockets/space, if any of them have launched their own model rockets (fireworks, missiles, NASA, SpaceX) (popular culture references: Apollo 13, Wall-E, Star Trek, Star Wars)

2) Today, we will build model rockets to be launched later. Can’t launch today because glue needs to dry. Later, we will attempt to figure out how high they travel using two different methods: trigonometry and physics

3) But first, can anyone tell me how a rocket works? Why does it move?

4) Newton’s 3rd law explanation with model and engine – ask for other examples of Newton’s 3rd law: Pool (billiards), collisions, balloon

5) If we were to build a rocket, what parts would we need?
   - Body
   - Nose – why is it pointed?
   - Fins – why?
   - Engine/fuel/propellant – engine mount assembly
   - Launch lug
   - Parachute
   - Shock cord

6) Let’s build!
   - Plastic cement, glue, and scissors on front table – share!
   - Everyone can do something
     - Engine mount assembly
     - Fins and body
     - Parachute and nose cone assembly
   - MindSET Mentors will help with assembly

7) Things to talk about while building: Ask kids what questions they had about space/rockets

8) Cleanup – Make sure engine mount pieces are secure

9) Store rockets – make sure each group labels their own rocket

--- Inquiry for students
--- Reference to Worksheet
--- MindSET Mentor Instruction
Rocket Module Lesson Plan Day 2

1) Will be launching the rockets shortly, but first we want to know how high they will go. Can anyone think of a way we could do this? (Estimate by sight, use landmarks, internal sensors, laser ranging)

2) We will be estimating the maximum heights the rockets travel using 2 different methods, and we will compare the two afterward: trigonometry and physics

3) Trigonometry: If a team member stands a known distance from the launch pad and measures the angle between themselves and the rocket’s highest point, we can use trigonometry to calculate how high the rocket launched.
   Assumption: Rocket launched straight up

   Show big protractor and 30, 45, 60 degree increments and how the tangent of that angle can be used to find the opposite side length

4) Physics: If a team member times how long the rocket takes to reach the ground from when the parachute deploys, we can use physics to calculate how high the rocket was.
   Assumptions: Parachute deploys properly at peak
   - Rocket descends only and exactly at terminal velocity immediately when parachute deployed

   Explain that the gravitational force accelerates falling objects to Earth at an ever increasing velocity. Explain that air resistance acts as a drag force on the falling objects and that the two competing forces will cause the objects to fall at a constant velocity known as terminal velocity. Briefly explain why parachutes are wide to increase drag, and why noses are pointed to reduce drag

5) Ok, now, we need to do final preparations for launch
   - Installing recovery wadding – why?
   - Wrapping parachute
   - Installing engine

6) Assigning roles
   - Launcher
   - Physics Expert – Timer
   - Trigonometry Expert – Angle Measurer

   Alternatively, it was discovered that most students do not wish to leave the launch site to take the angle measurement. MindSET Mentors can perform this role and use the walkie talkies to relay the angle measurements to the students whose rocket was launched

7) Launch
   - Launcher – Conducts countdown/presses launch button
   - Physics Expert – Times rocket from parachute deployment until touchdown
   - Trigonometry Expert – stationed at Point B, walkie-talkies to launch center when they are ready, measures angle. Alternatively, MindSET Mentors may perform this task. One person points to rocket. Another uses large protractor with level to perform angle measurement
   - All roles assigned to track and retrieve rocket – DO NOT TOUCH THE ENGINE – MAY STILL BE HOT

8) Final Calculations: Teams regroup at launch center. Teams finish calculations on worksheet with help of MindSET Mentor.

9) Debriefing: Summarize trigonometry method while explaining assumptions and possible sources of error. Summarize physics method while explaining assumptions and possible sources of error. Important to remember that these calculations are not exact, but they are good estimates and examples of how math and science can be used to determine unknown variables.
10) Hand out certificates to participants

Key:

--------- Inquiry for students
--------- Reference to Worksheet
--------- MindSET Mentor Instruction
Model Rocket Module Day 1

Newton’s 3rd Law of Motion

“For every action, there is an equal and opposite reaction”

Graphic credit: Rice University Teacher Tech

Can you think of other examples of Newton’s 3rd Law? __________________________________________

_________________________________________________________________________________________

Parts of a Model Rocket

Graphic credit: Estes
Sunday, April 15, 2012

Model Rocket Module Day 2

**Trigonometry Method**

The height that the rocket achieves can be calculated if you stand a known distance away from the launch pad, point toward the rocket when it is at its highest, and then measure the angle between your arm and the ground.

Step 1) Measure the distance between the angle measurer and the launch pad:
\[ a = \text{____} \text{ meters} \]

Step 2) Point to the rocket at its highest point and measure the angle between your arm and the ground: \[ B = \text{____} \text{ degrees} \]

Step 3) Calculate the height by multiplying the distance, \( a \), by the tangent of the angle, \( B \):
\[ b = a \times \tan (B) \]
\[ b = \text{____} \times \tan (\text{____}) = \text{____} \text{ meters} \]

**Physics Method**

The height that the rocket achieves can also be calculated by timing how long the rocket takes to return to the ground after the parachute or streamer deploys. To use this method, we need to know the descent velocity of the model rocket we are using. The descent velocities for each of the model rockets can be found in the table on the bottom of this page.

Step 1) Use a stopwatch to time how long the rocket takes to return to the ground after the parachute or streamer deploys:
\[ t = \text{____} \text{ seconds} \]

Step 2) The height can be calculated by multiplying the time, \( t \), by the descent velocity, \( v \):
\[ b = t \times v \]
\[ b = \text{____} \times \text{____} = \text{____} \text{ meters} \]

**Descent Velocity Table (all velocities are in meters per second)**

<table>
<thead>
<tr>
<th></th>
<th>Bandito</th>
<th>Firehawk</th>
<th>Gnome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parachute</td>
<td></td>
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<tr>
<td>Success</td>
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<tr>
<td>Ricky Burcat</td>
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</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CA13

Project name: Bladensburg Tree Planting
Date(s) of Project: April 14, 2012

Project area: _X_ Community/ Liberal Culture  _ Universi
College  _ Profession/ Engineering  _ Chapter/  _ Education/ Prof. Dev.

Number of persons who participated in this project
Members: 6  Electees: 0

Hours spent on this project.
Organizing: 4  Participating: 3

DESCRIPTION:

I. General Description:
Members of MD Beta participated in a local tree planting event held at the nearby Bladensburg Waterfront Park. The park is located right on the Anacostia riverfront. The event was sponsored by the Anacostia Watershed Society (AWS) with whom TBP has previously worked in an effort to become more involved with local community service organizations. The event consisted of an information session about the importance of the Anacostia riverfront followed by a tree planting exercise. Attendees were taught how to properly plant the seedlings before pairing off and planting themselves. More than 100 trees were planted on the waterfront.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this event was to provide an opportunity for MD Beta to give back to the local community while also getting involved with area service organizations to facilitate future opportunities. Participating in local events provides members a chance to not only represent TBP but the University of Maryland as well.

III. Organization & Administration: (in conjunction with another group? _X_ Yes  _ No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
The program turned out to be very informative and rewarding. Members were able to give back to the community while learning a great deal about the Anacostia watershed and the critical importance of maintaining its health.
VII. Index of Exhibits:
Members (6)

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Eric Federline</td>
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<td>Alden Grobicki</td>
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<td>Mark Reese</td>
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<td>Mike Kelly</td>
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<td>Caleb Barrett</td>
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<tr>
<td>Randy Liu</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B

Chapter Project Report

Project number: CA14

Project name: Relay for Life
Date(s) of Project: April 21 – 22, 2012

Project area: X Community/
Liberal Culture

University/ College

Profession/ Engineering

Chapter/ Social

Education/ Prof. Dev.

Number of persons who participated in this project
Members: 13
Electees: 8

Hours spent on this project.
Organizing: 10
Participating: 12

DESCRIPTION:

I. General Description:
TBP members and electees participated in the University of Maryland Relay for Life event held
April 21st-22nd from 5PM to 5AM. Relay for Life is an overnight relay-style event where members
of each team partake in walking around the track for the duration of the event in an effort to raise
money for cancer research. The event is held overnight in order to symbolize the fact that cancer
never sleeps. In the weeks leading up to the event, members of each team raise money that is
donated directly to cancer research. TBP’s team raised $2500. During the event itself, members of
TBP’s team participated in many additional tribute activities such as the survivor’s lap, which
celebrated cancer survivors. Additionally, members lit luminarias to remember loved ones lost to
cancer.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this event was to raise money for cancer research.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
This event went very well as MD Beta was able to raise $2500 through the fundraising efforts of its
individual members as well as through the Almost Pi Day 5k group fundraiser. There was
extraordinary turnout at the relay, as well. All participants were moved by the support shown by
everyone at the event.
VII. Index of Exhibits:
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<th>Electees (8)</th>
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<tbody>
<tr>
<td>Eric Federline</td>
<td>Barry McMenamin</td>
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<td>Ricky Burcat</td>
<td>Shannon White</td>
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<td>Sean Symon</td>
<td>Nick Pozoulakis</td>
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<td>Justin Bare</td>
<td>Mary Natoli</td>
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<td>Nick Kratzmeier</td>
<td>Eisha Nathan</td>
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<td>Harrison Chau</td>
<td>Ian Grissom</td>
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<td>Jacob Schulman</td>
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<td>Kevin Li</td>
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<td>Hongyi Xia</td>
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<td>Carlos Casarez</td>
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<td>Caleb Barrett</td>
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<td>Erica Sanker</td>
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<tr>
<td>Rachel Stein</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: __MD B__
Chapter Project Report

Project number: ___CA15___

Project name: Maryland Day

Date(s) of Project: ___April 28, 2012___

Project area: ![X] Community/ Liberal Culture _ University/ College _ Profession/ Engineering _ Chapter/ Social _ Education/ Prof. Dev._

Number of persons who participated in this project
Members: __6__ Electees: __5__

Hours spent on this project. Organizing: __2__ Participating: __9__

DESCRIPTION:

I. General Description:
Maryland Day is a campus-wide event held for the University of Maryland community annually where organizations hold activities for students and their families to enjoy. Tau Beta Pi organized catapults for kids to build out of Popsicle sticks and then use to shoot marshmallows across the table with. The activity was not too difficult for the kids to participate in and was a lot of fun. Some kids had trouble building the simple catapults out of the Popsicle sticks, so the Tau Beta Pi volunteers helped them get started.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this activity was to give back to the Maryland community through service. Participating in Maryland Day allowed members of Tau Beta Pi to also get to know other people in the University of Maryland community.

III. Organization & Administration: (in conjunction with another group? ___ Yes ___ No)

IV. Cost & Personnel Requirements:
The activity required Popsicle sticks and marshmallows, but the supplies were reused from last year.

V. Special Problems:
The only problem arose was limited supplies. We started running out of Popsicle sticks, so we decided that we wouldn’t allow the kids to take their marshmallow catapults home with them, since we needed the supplies to allow other kids to build them.

VI. Overall Evaluation/Results (Be Specific):
Maryland Day was a big success. The kids who came up to our table had so much fun building the marshmallow catapults and shooting them across the table.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (6)</th>
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<td>Justin Owens</td>
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<td>Hongyi Xia</td>
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</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CA16

Project name: USA Science and Engineering Festival
Date(s) of Project: April 27-29, 2012

Project area: X Community/
Liberal Culture
University/ College
Profession/ Engineering
Chapter/ Social
Education/ Prof. Dev.

Number of persons who participated in this project
Members: 8
Electees: 3

Hours spent on this project. Organizing: 20 Participating: 19

DESCRIPTION:

I. General Description:
The USA Science and Engineering Festival is an annual event held in Washington, D.C. that aims to invigorate the interest of the nation’s youth in science, technology, engineering, and math (STEM). The festival consists of hundreds of experiments and demonstrations that present numerous educational experiences for kids in an effort to get them interested in STEM fields. The broad range of activities makes the festival appealing to kids ranging in grade level from K through 12. Numerous important names in today’s scientific world attend the festival, including Bill Nye and the Mythbusters.

TBP MD Beta worked with other chapters as well as headquarters (specifically Dylan Lane) in order to prepare a bridge-building module to introduce kids to some basic engineering and physics principles. MD Beta put a great deal of effort into preparation, which included drilling holes in nearly 10,000 popsicle sticks. Brass fasteners were used to hold the sticks together. TBP members helped the kids through the building process by posing potential outcomes and suggesting options for avoiding possible failure. Once the kids completed their bridges, members tested them by hooking a bucket to the bridges and adding small weights until failure.

II. Purpose & Relationship to Objectives of TBP:
The STEM fields are of ever-increasing importance as the world relies more and more on technology. However, kids are often dissuaded from these fields because of negative stereotypes of those involved. The purpose of this event was to show kids that these fields are cool, interesting, and important. It is a great opportunity to show the nation’s youth (and their parents) what TBP is all about. The event displayed the character of TBP members as they were able to show kids why they are passionate about engineering. Overall, it was a great opportunity to demonstrate the goals of the TBP MindSET initiative which is aimed at enhancing the preparation of students in the K-12 system. Many pamphlets about MindSET were handed out to parents and students.

III. Organization & Administration: (in conjunction with another group? X Yes _ No)

IV. Cost & Personnel Requirements:
TBP headquarters covered the cost of the program under the MindSET initiative.
V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
This program was one of the most fun and rewarding to participate in. We were able to see children become interested in engineering as we helped them through the bridge-building process. Many parents were interested in the MindSET modules, as well. Several teachers even approached us asking about the program as they were interested in having these kinds of activities for their classes.

VII. Index of Exhibits:
<table>
<thead>
<tr>
<th>Members (8)</th>
<th>Electees (3)</th>
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<tr>
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<td>Carlos Casarez</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: CA17

Project name: MindSET Bridge Building 2
Date(s) of Project: May 8, 2012

Project area: X Community/ Liberal Culture
__ University/ College
__ Profession/ Engineering
__ Chapter/ Social
__ Education/ Prof. Dev.

Number of persons who participated in this project
Members: 5
Electees: 0

Hours spent on this project.
Organizing: 3
Participating: 3

DESCRIPTION:

I. General Description:
MD Beta conducted its fourth MindSET session in the engineering building of the University of Maryland. 32 students from Drew Freeman Middle School formed 6 teams to construct bridges made of Popsicle sticks, machine screws, and hexagonal nuts. The bridges were then tested by resting it across a gap formed by the back of two chairs. A pail was then attached to the center of the bridge and filled with weights until the bridge broke.

This module was exactly identical to the one conducted back in February. Members of the chapter spent about one hour securing materials from McMaster Carr on the internet and Joann Fabrics which sells the Popsicle sticks. Two hours were spent pre-drilling holes in the popsicle sticks so that the students could thread screws through the holes and secure the joints with hexagonal nuts.

II. Purpose & Relationship to Objectives of TBP:
Tau Beta Pi’s current outreach initiative is the K-12 MindSET program which is designed to encourage young students to pursue STEM fields. There is a significant achievement gap in this area particularly at schools in poorer districts. MD Beta coordinated its MindSET program back in February with Drew Freeman Middle School and endeavors to inspire students to consider engineering as a profession through the bridge building module.

III. Organization & Administration: (in conjunction with another group? Yes X No)

IV. Cost & Personnel Requirements:
The cost to purchase materials was $47.84. Three members of Tau Beta Pi and three middle school instructors were needed to serve as MindSET mentors for each group of students. Two additional members were needed to test the bridges and conduct the pre-building demonstrations.

V. Special Problems:
There were no problems since the students had enough time and the communication between the chapter and the middle school was adequate.
VI. Overall Evaluation/Results (Be Specific):
The project was very successful. The students particularly enjoyed testing the bridges since the thought of destroying something was quite appealing to them. The lecture on bridges before the demonstration was led by Ricky Burcat, one of the community service chairs. He did an excellent job teaching the key science and engineering concepts behind beam vs. truss bridges and several students participated by reading the worksheets or offering ideas about their current knowledge and understanding of how bridges work.

VII. Index of Exhibits:

Above: Students in the middle of constructing their bridges.
Below: Ricky, one of the community service chairs, is observing the construction.
Fundraising Activities

Projects: 12

Total Person-Hours: 63

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<th>Date</th>
<th>Total Hours</th>
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<td>Fall Career Fair</td>
<td>09/27/2011-09/28/2011</td>
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<td>FA2</td>
<td>Fall Laser Tag Night 1</td>
<td>10/27/2011</td>
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<td>FA3</td>
<td>Basketball Concessions Training</td>
<td>11/08/2011</td>
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<tr>
<td>FA4</td>
<td>Fall Panda Express Fundraiser</td>
<td>11/22/2011</td>
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<td>FA5</td>
<td>Fall Laser Tag Night 2</td>
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<td>FA7</td>
<td>Duke Basketball Concessions</td>
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<td>FA9</td>
<td>Miami Basketball Concessions</td>
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<td>Spring Career Fair</td>
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The Tau Beta Pi Association
Chapter Project Report

Project name: University Fall Career Fair
Date(s) of Project: September 27-28, 2011

Project area: Community/____ University/____ Profession/____ Chapter/____ Education/____

Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 2
Electees: 0

Hours spent on this project.
Organizing: 1
Participating: 3

DESCRIPTION:

I. General Description:
The University of Maryland allows students from various engineering groups to volunteer for the university-wide career fair organized by the Career Center. There were over 300 companies present over three different days and members from TBP volunteered two out of those three days. TBP helped greet company recruiters by directing them from the car park to the ball room in the university’s student union. Volunteers also directed students to online surveys they could take after attending to give the Career Center feedback. Finally, volunteers helped clean the booths at the end of the day.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this event was to fundraise for the chapter.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
There were no costs associated with this event.

V. Special Problems:
There were two problems associated with this event one of which can be attributed mainly due to a lack of organization. First, TBP was competing with student groups from all over campus which meant there were very few shifts remaining to choose from. Second, some of TBP members’ volunteered on behalf of other organizations.

VI. Overall Evaluation/Results (Be Specific):
The career fair was a good way to raise money and the chapter earned $33.12 for about six hours of volunteering. In future, TBP will need to recruit volunteers much more quickly so that there are positions still open to choose from.

VII. Index of Exhibits:
N/A
<table>
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<th>Members (2)</th>
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<tr>
<td>Sean Symon</td>
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<td>Eric Federline</td>
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</table>
The Tau Beta Pi Association
Chapter: MD B
Project number: FA2

Chapter Project Report

Project name: Fall Laser Tag Night 1
Date(s) of Project: October 27, 2012

Project area: __ Community/ __ University/ X Profession/ __ Chapter/ __ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 4 Electees: 1

Hours spent on this project.
Organizing: 1 Participating: 2

DESCRIPTION:

I. General Description:
A laser tag fundraising was held at XP Laser Sport in Laurel, MD on October 27, 2011. This was a chapter and fundraising event.

II. Purpose & Relationship to Objectives of TBP:
Laser tag is an excellent way to earn money for our chapter. This chapter event is a social event but it also helps the chapter raise funds. Most of the money MD Beta earns by fundraising is used to fund other chapter activities and community service events.

III. Organization & Administration: (in conjunction with another group? __ Yes X No)

IV. Cost & Personnel Requirements:
The cost for laser tag for each participant at XP Laser Sport was $15 for two games and tokens. The chapter receives 50% of the proceeds.

V. Special Problems:
There were no major problems with this event. Unfortunately, the turnout for the event was lower than was hoped.

VI. Overall Evaluation/Results (Be Specific):
Laser tag was a success. MD Beta earned about $80 and the event gave both electees and members a chance to get to know one another better in a social setting.

VII. Index of Exhibits:
N/A
<table>
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<th>Members (4)</th>
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<td>Justin Bare</td>
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<td>Ricky Burcat</td>
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The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: FA3

Project name: Basketball Concessions Training
Date(s) of Project: November 8, 2011

Project area: __Community/ __University/ __Profession/ X Chapter/ __Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 2 Electees: 0

Hours spent on this project.
Organizing: 1 Participating: 1

DESCRIPTION:

I. General Description:
The University of Maryland allows honor societies, community groups, and other student-run
organizations on campus to man the basketball concession stands at Comcast Center. In return for
volunteering, each organization receives ten percent of the profits the stand makes. We were trained
in what basketball concessions entail. We were taught how to operate a concession stand and what
was required. Even though every volunteer has to help set-up the stand before the game and clean up
the stand after the game, each volunteer has a choice of what to do during the game. There are
generally five people preparing the food in the kitchen, six people running the cash registers, and
four people helping the cashiers get the food and drinks as quickly as possible.

II. Purpose & Relationship to Objectives of TBP:
Basketball concessions are an excellent way to earn money for our chapter. Although volunteers
give up at least five hours of their time, they still help the chapter raise funds. Most of the money
MD Beta earns by fundraising is used to fund other chapter activities and community service events.

III. Organization & Administration: (in conjunction with another group? __ Yes X No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
Basketball concessions training was a success. We learned how to operate a concession stand. MD
Beta was able to secure two more dates for concessions to bring the total up to four basketball
games.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (2)</th>
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<tr>
<td>Harrison Chau</td>
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<tr>
<td>Sean Symon</td>
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The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: FA4

Project name: Fall Panda Express Fundraiser
Date(s) of Project: November 22, 2011

Number of persons who participated in this project
Members: 8
Electees: 8

Hours spent on this project.
Organizing: 1
Participating: 4

DESCRIPTION:

I. General Description:
This event was organized with Panda Express to raise money for TBP.

II. Purpose & Relationship to Objectives of TBP:
The money made through the fundraiser would enable TBP to organize more activities.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
It was great to see people come out to the fundraiser for TBP, especially when it was so close to Thanksgiving break.

VII. Index of Exhibits:
N/A

<table>
<thead>
<tr>
<th>Members (8)</th>
<th>Electees (8)</th>
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<tbody>
<tr>
<td>Harrison Chau</td>
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<td>Sean Symon</td>
<td>Jonathan Isser</td>
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</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: FA5

Project name: Fall Laser Tag Night 2
Date(s) of Project: November 16, 2012

Project area: Community/ University/ Profession/ Chapter/ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 3
Electees: 2

Hours spent on this project.
Organizing: 1
Participating: 2

DESCRIPTION:

I. General Description:
A laser tag fundraising was held at XP Laser Sport in Laurel, MD on November 16, 2011. This was a chapter and fundraising event.

II. Purpose & Relationship to Objectives of TBP:
Laser tag is an excellent way to earn money for our chapter. This chapter event is a social event but it also helps the chapter raise funds. Most of the money MD Beta earns by fundraising is used to fund other chapter activities and community service events.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
The cost for laser tag for each participant at XP Laser Sport was $15 for two games and tokens. The chapter receives 50% of the proceeds.

V. Special Problems:
There were no major problems with this event. Unfortunately, the turnout for the event was lower than was hoped.

VI. Overall Evaluation/Results (Be Specific):
Laser tag was a success. MD Beta earned $100 and the event gave both electees and members a chance to get to know one another better in a social setting.

VII. Index of Exhibits:
N/A

<table>
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<th>Members (3)</th>
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<tbody>
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<tr>
<td>Caleb Barrett</td>
<td></td>
</tr>
</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Project name: Albany Basketball Concessions
Date(s) of Project: December 28, 2011

Project area: __ Community/ X University/ __ Profession/ X Chapter/ __ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 13 Electees: 0

Hours spent on this project.
Organizing: 2 Participating: 6

DESCRIPTION:

I. General Description:
The University of Maryland allows honor societies, community groups, and other student-run organizations on campus to man the basketball concession stands at Comcast Center. In return for volunteering, each organization receives ten percent of the profits the stand makes. Members ran the Papa John’s concession stand on December 28, when the University of Maryland played Albany. Since the university mandates that there be at least fifteen volunteers at each stand, friends of members help to fulfill this requirement.

Even though every volunteer has to help set-up the stand before the game and clean up the stand after the game, each volunteer has a choice of what to do during the game. There are generally five people preparing the food in the kitchen, six people running the cash registers, and four people helping the cashiers get the food and drinks as quickly as possible.

II. Purpose & Relationship to Objectives of TBP:
Basketball concessions are an excellent way to earn money for our chapter. Although volunteers give up at least five hours of their time, they still help the chapter raise funds. Most of the money MD Beta earns by fundraising is used to fund other chapter activities and community service events.

III. Organization & Administration: (in conjunction with another group? __ Yes X No)

IV. Cost & Personnel Requirements:
There were no costs for this event, but there needed to be a minimum of 15 volunteers. Otherwise, the university penalizes the group.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
Concessions were a complete success. MD Beta earned $326.78 and the event gave members a chance to get to know one another better.
VII. Index of Exhibits:

Members (13)

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sean Symon</td>
</tr>
<tr>
<td>Harrison Chau</td>
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<tr>
<td>Mark Reese</td>
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<tr>
<td>Ricky Burcat</td>
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<tr>
<td>Justin Bare</td>
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<tr>
<td>Erin Bak</td>
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<tr>
<td>Eric Federline</td>
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<td>Hongyi Xia</td>
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<td>Nick Kratzmeier</td>
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<td>Randy Liu</td>
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<tr>
<td>Alden Grobicki</td>
</tr>
<tr>
<td>Nikki Nguyen</td>
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<tr>
<td>Ming Zhang</td>
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</tbody>
</table>
The Tau Beta Pi Association  
Chapter: MD B  
Project number: FA7

Project name: Duke Basketball Concessions  
Date(s) of Project: January 25, 2012

Project area: Community/University/Professional/Chapter/Education/ 
Liberal Culture/College/Engineering/Social/Prof. Dev.

Number of persons who participated in this project
Members: 11  Electees: 0

Hours spent on this project. 
Organizing: 1  Participating: 7

DESCRIPTION:

I. General Description:
This was the second basketball game MD Beta volunteered at the concession stands to raise money for the chapter. Since the game took place at the beginning of the semester, just members attended this event. Maryland’s men basketball team played Duke that night. There were two people helping the stand manager prepare the food. The other thirteen volunteers acted either as cashiers or runners.

II. Purpose & Relationship to Objectives of TBP:
Basketball concessions are an effective means of raising money for the chapter. The money earned from concessions is used to pay for catering at events or materials for community service projects.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
There were no costs for this event, but there needed to be a minimum of 15 volunteers to run the stand at all times.

V. Special Problems:
The only problem was making sure we had enough volunteers. Four people not in Tau Beta Pi had to be recruited to meet the minimum number of volunteers imposed by the university.

VI. Overall Evaluation/Results (Be Specific):
MD Beta earned about $300 which was disappointing given the fact that it was the Duke game. Since most of the fans were students, it is likely that sales were not as good since students tend to be more price conscious than adults.

VII. Index of Exhibits:
N/A
### Members (11)

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sean Symon</td>
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<tr>
<td>Harrison Chau</td>
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<td>Justin Bare</td>
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<tr>
<td>Mark Reese</td>
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<td>Lauren Dorsey</td>
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<td>Ming Zhang</td>
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<td>Justin Huang</td>
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<td>Ted Lillie</td>
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<td>Tanner Hamann</td>
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<tr>
<td>Hongyi Xia</td>
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<tr>
<td>Randy Liu</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B
Project number: FA8

Chapter Project Report

Project name: Boston College Concessions
Date(s) of Project: February 16, 2012

Project area: __ Community/  X University/ __ Profession/  X Chapter/ __ Education/
Liberal Culture  College  Engineering  Social  Prof. Dev.

Number of persons who participated in this project
Members: _10__  Electees: _3_

Hours spent on this project. Organizing: _1__  Participating: _5_

DESCRIPTION:

I. General Description:
Our chapter worked a concession stand at the Men’s Basketball game against ACC rival Boston College. We did everything in the stand, from working the cash registers, to cooking, to food preparation.

II. Purpose & Relationship to Objectives of TBP:
This was a fundraising activity, as we get to keep a small percentage of the stand’s profits. Since we all need to work together well in order for the stand to make the most profits, the event provided some good group bonding time.

III. Organization & Administration: (in conjunction with another group? __ Yes  X No)

IV. Cost & Personnel Requirements:
Each stand requires at least 12-15 people to run properly.

V. Special Problems:
Everything went smoothly. People showed up on time, were adequately trained before the game on their respective jobs, and worked well in conjunction with each other.

VI. Overall Evaluation/Results (Be Specific):
Overall, the event was a success. We had a good turnout, socialized a bit during breaks, and got to know some of the new electees. Helping raise money for the chapter was a big bonus as well.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (10)</th>
<th>Electees (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nick Hesser</td>
<td>Barry McMenamin</td>
</tr>
<tr>
<td>Nick Kratzmeier</td>
<td>Camila Saez</td>
</tr>
<tr>
<td>Randy Liu</td>
<td>Yasmin Kadry</td>
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<td>Shannon White</td>
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<td>Justin Huang</td>
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<td>Ted Lillie</td>
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<td>Erin Bak</td>
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<td>Nikki Nguyen</td>
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<tr>
<td>Erica Sanker</td>
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<tr>
<td>Mark Reese</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: FA9

Project name: Miami Basketball Concessions
Date(s) of Project: February 21, 2012

Project area: _Community/_ __University/ X _Profession/_
Liberal Culture College Engineering X Chapter/ Social Prof. Dev.

Number of persons who participated in this project
Members: 6 Electees: 7

Hours spent on this project. Organizing: 2 Participating: 6

DESCRIPTION:

I. General Description:
The University of Maryland allows honor societies, community groups, and other student-run organizations on campus to man the basketball concession stands at Comcast Center. In return for volunteering, each organization receives ten percent of the profits the stand makes. Both members and electees ran a concession stand on February 21, when the University of Maryland played Miami. Since the university mandates that there be at least fifteen volunteers at each stand, friends of members and electees helped TBP fulfill this requirement.

Even though every volunteer has to help set-up the stand before the game and clean up the stand after the game, each volunteer has a choice of what to do during the game. There are generally five people preparing the food in the kitchen, six people running the cash registers, and four people helping the cashiers get the food and drinks as quickly as possible.

II. Purpose & Relationship to Objectives of TBP:
Basketball concessions are an excellent way to earn money for our chapter. Although volunteers give up at least five hours of their time, they still help the chapter raise funds. Most of the money MD Beta earns by fundraising is used to fund other chapter activities and community service events. Our annual trip to New Orleans for Habitat for Humanity, for example, is funded in part by MD Beta, and so a lot of money needs to be raised each year to pay for it.

III. Organization & Administration: (in conjunction with another group? Yes X No)

IV. Cost & Personnel Requirements:
There were no costs for this event, but there needed to be a minimum of 15 volunteers. Otherwise, the university penalizes the group.

V. Special Problems:
There were no problems with this event. The worst part of the event was dealing with angry customers who could not believe their eyes when they realized how expensive everything was.
VI. Overall Evaluation/Results (Be Specific):
Concessions were a complete success. MD Beta earned about $331.44 and the event gave both electees and members a chance to get to know one another better.

VII. Index of Exhibits:
N/A

<table>
<thead>
<tr>
<th>Members (6)</th>
<th>Electees (7)</th>
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<tbody>
<tr>
<td>Sean Symon</td>
<td>Vincent Vernacchio</td>
</tr>
<tr>
<td>Harrison Chau</td>
<td>Kenneth Morgan</td>
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<td>Nick Kratzmeier</td>
<td>Liz Miles</td>
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<td>Hongyi Xia</td>
<td>Addison Goodley</td>
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<td>Alden Grobicki</td>
<td>Jacob Schulman</td>
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<tr>
<td>Caleb Barrett</td>
<td>Ian Grissom</td>
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<td>Timothy Lee</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: FA10

Project name: Spring Career Fair
Date(s) of Project: February 21, 2012

Project area: 
- Community/
  - Liberal Culture
- University/
  - College
- Profession/
  - Engineering
- Chapter/
  - Social
- Education/
  - Prof. Dev.

Number of persons who participated in this project
- Members: 4
- Electees: 2

Hours spent on this project.
- Organizing: 1
- Participating: 7

DESCRIPTION:

I. General Description:
Members and electees of our chapter volunteered to help at the University wide career fair. We had to set up tables, help people register/check-in, and escort employers to their tables.

II. Purpose & Relationship to Objectives of TBP:
This was a fundraising activity, since we got paid a small amount for our time. We were helping the career fair run smoothly, enabling other students to find internships and full-time positions.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
Overall, the event was a success. We had an okay turnout and made some money. During downtime, when we were done setting up and waiting for employers, we got to know some of the electees better.

VII. Index of Exhibits:
N/A

<table>
<thead>
<tr>
<th>Members (4)</th>
<th>Electees (2)</th>
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<tbody>
<tr>
<td>Nick Kratzmeier</td>
<td>Sharon Anderson</td>
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<tr>
<td>Sean Symon</td>
<td>Megan Halliday</td>
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<td>Harrison Chau</td>
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<tr>
<td>Lauren Dorsey</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: ___MD B___
Project number: ___FA11___

Project name: Spring Laser Tag Night
Date(s) of Project: March 7, 2012

Project area: ___Community/ ___University/ ___Profession/ X Chapter/ ___Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 6  Electees: 2

Hours spent on this project. Organizing: 1 Participating: 2

DESCRIPTION:

I. General Description:
A laser tag fundraising was held at XP Laser Sport in Laurel, MD on March 7, 2012. This was a chapter and fundraising event.

II. Purpose & Relationship to Objectives of TBP:
Laser tag is an excellent way to earn money for our chapter. This chapter event is a social event but it also helps the chapter raise funds. Most of the money MD Beta earns by fundraising is used to fund other chapter activities and community service events.

III. Organization & Administration: (in conjunction with another group? ___ Yes X No)

IV. Cost & Personnel Requirements:
The cost for laser tag for each participant at XP Laser Sport was $15 for two games and tokens. The chapter receives 50% of the proceeds.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
Laser tag was a success except we did not have enough people attending. MD Beta earned about $15 and the event gave both electees and members a chance to get to know one another better in a social setting.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (6)</th>
<th>Electees (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harrison Chau</td>
<td>Timothy Lee</td>
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<td>Sean Symon</td>
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<td>Randy Liu</td>
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<td>Caleb Barrett</td>
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<td>Christina Reynolds</td>
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<td>Serghei Drozdov</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: FA12

Project name: Spring Panda Express Fundraiser
Date(s) of Project: April 12, 2012

Project area: ___ Community/ Liberal Culture ___ University/ College ___ Profession/ Engineering X Chapter/ Social ___ Education/ Prof. Dev.

Number of persons who participated in this project
Members: 8
Electees: 16

Hours spent on this project.
Organizing: 1
Participating: 4

DESCRIPTION:

I. General Description:
This event was organized with Panda Express to raise money for TBP.

II. Purpose & Relationship to Objectives of TBP:
The money made through the fundraiser would enable TBP to organize more activities.

III. Organization & Administration: (in conjunction with another group? ___ Yes X No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
It was encouraging to see that a lot of people attended the event.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (8)</th>
<th>Electees (16)</th>
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<tbody>
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<td>Nick Kratzmeier</td>
<td>Eisha Nathan</td>
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<td>Lauren Dorsey</td>
<td>Vince Vernacchio</td>
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<td>Carlos Casarez</td>
<td>Rosemary Garcia</td>
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<td>Sean Symon</td>
<td>Sharon Anderson</td>
</tr>
<tr>
<td>Ricky Burcat</td>
<td>Slyvie DeLaHunt</td>
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<td>Emmarie Myers</td>
<td>Mary Natoli</td>
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<td>Tanner Hamann</td>
<td>Emily Hitz</td>
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<td>Alden Grobicki</td>
<td>Jarrett Raiford</td>
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<td>Komal Syed</td>
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<td>Chris Helstern</td>
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<td>Addison Goodley</td>
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<td>Megan Halliday</td>
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<td>Corey Bloom</td>
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<td>Nick Pozoulakis</td>
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<td>Ian Grissom</td>
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<td>Justin Owens</td>
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</table>
## Social Events

Projects: 16

Total Person-Hours: 59

<table>
<thead>
<tr>
<th>Number</th>
<th>Project</th>
<th>Date</th>
<th>Total Hours</th>
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</thead>
<tbody>
<tr>
<td>SE1</td>
<td>Ice Cream Social</td>
<td>09/23/2011</td>
<td>2</td>
</tr>
<tr>
<td>SE2</td>
<td>Dinner at Jason’s Deli 1</td>
<td>09/30/2011</td>
<td>3</td>
</tr>
<tr>
<td>SE3</td>
<td>Terp Zone Bowling Night</td>
<td>10/12/2011</td>
<td>3</td>
</tr>
<tr>
<td>SE4</td>
<td>Engineering Student Council Dodgeball Tournament</td>
<td>10/28/2011</td>
<td>4</td>
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<tr>
<td>SE5</td>
<td>Dinner at Bentley’s</td>
<td>11/04/2011</td>
<td>3</td>
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<tr>
<td>SE6</td>
<td>Pictionary Night</td>
<td>11/08/2011</td>
<td>2</td>
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<tr>
<td>SE7</td>
<td>Post-Initiation Celebration</td>
<td>12/02/2011</td>
<td>5</td>
</tr>
<tr>
<td>SE8</td>
<td>End of Semester Potluck</td>
<td>12/09/2011</td>
<td>5</td>
</tr>
<tr>
<td>SE9</td>
<td>Virginia Tech Basketball Game</td>
<td>01/28/2012</td>
<td>7</td>
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<tr>
<td>SE10</td>
<td>Dinner at Noodles</td>
<td>03/02/2012</td>
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<tr>
<td>SE11</td>
<td>Game Night</td>
<td>03/13/2012</td>
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<tr>
<td>SE12</td>
<td>Ice Skating</td>
<td>03/30/2012</td>
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<tr>
<td>SE13</td>
<td>Dinner at Jason’s Deli 2</td>
<td>04/06/2012</td>
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<tr>
<td>SE14</td>
<td>Karaoke Night</td>
<td>04/19/2012</td>
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<td>SE15</td>
<td>Geek Week</td>
<td>04/23/2012-04/27/2012</td>
<td>7</td>
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<tr>
<td>SE16</td>
<td>Tau Beta Pi End of Year Celebration</td>
<td>05/10/2012</td>
<td>7</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B
Chapter Project Report
Project number: SE1

Project name: Ice Cream Social
Date(s) of Project: September 23, 2011

Project area: ___ Community/ Liberal Culture ___ University/ College ___ Profession/ Engineering ___ Chapter/ Social ___ Education/ Prof. Dev.

Number of persons who participated in this project
Members: 7 Electees: 0

Hours spent on this project.
Organizing: 1 Participating: 1

DESCRIPTION:

I. General Description:
MD Beta organized an ice cream social that took place in the Tau Beta Pi lounge.

II. Purpose & Relationship to Objectives of TBP:
Promote social interaction between members of Tau Beta Pi.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
$30 for 2 half gallons of ice cream and 2 bottles of chocolate syrup from Costco.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
There was low attendance at this event since there was not much notice given beforehand.

VII. Index of Exhibits:
N/A

<table>
<thead>
<tr>
<th>Members (7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sean Symon</td>
</tr>
<tr>
<td>Nick Kratzmeier</td>
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<td>Justin Bare</td>
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<td>Mark Reese</td>
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<td>Erin Bak</td>
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<tr>
<td>Majid Waheed</td>
</tr>
<tr>
<td>Thomas Pillsbury</td>
</tr>
</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: SE2

Project name: Dinner at Jason’s Deli 1
Date(s) of Project: September 23, 2011

Project area: Community/ University/ Profession/
Liberal Culture College Engineering Chapter/
College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 12 Electees: 1

Hours spent on this project.
Organizing: 1 Participating: 1

DESCRIPTION:

I. General Description:
A dinner night was proposed to kick off the school year in order for members to catch up on summer activities. The dinner was held at Jason’s Deli right off campus. This also provided an opportunity for both members and electees to mingle with officers and learn about the upcoming activities being planned for this semester.

II. Purpose & Relationship to Objectives of TBP:
The dinner night was a social event designed to foster relationships between current members and prospective members.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
This event was provided at no cost to the chapter. An officer who is also event coordinator was expected to arrive early to greet arrivals and designate a table for the party.

V. Special Problems:
Fewer electees showed up than expected. This may have been due to the event occurring early in the semester.

VI. Overall Evaluation/Results (Be Specific):
Future considerations will be made for transforming events like these into social-fundraising events. We will talk to the restaurant manager to see if a designated percentage of proceeds can be shared by Tau Beta Pi if we were to get a certain number of people to come.
VII. Index of Exhibits:

Above: (Left to Right) Ethan Nusbaum, Nick Kratzmeier, Amy Chen, Justin Huang, Sean Symon, Randy Liu, Justin Bare, Kip Hart
Below: Same people, different orientation
Above: (left to right) Mark Reese, Nick Hesser, Nikki Nguyen, Feili Huang, Mark Reese’s roommate

<table>
<thead>
<tr>
<th>Members (12)</th>
<th>Electees (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nikki Nguyen</td>
<td>Nick Hesser</td>
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<tr>
<td>Harrison Chau</td>
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<tr>
<td>Ethan Nusbaum</td>
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<td>Kip Hart</td>
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<td>Feili Huang</td>
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<td>Amy Chen</td>
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<td>Justin Huang</td>
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</tbody>
</table>
The Tau Beta Pi Association

Chapter Project Report

Chapter: MD B
Project number: SE3

Project name: Terp Zone Bowling Night
Date(s) of Project: October 12, 2011

Project area: __Community/ __University/ ___Profession/ XChapter/ ___Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 4  Electees: 1

Hours spent on this project.
Organizing: 1  Participating: 2

DESCRIPTION:

I. General Description:
TBP members and electees were invited to go bowling at Terp Zone. MD Beta’s social chairs reserved three lanes for two hours at the University of Maryland’s bowling alley located in the basement of the Student Union. The chapter also covered the cost for both reserving and renting the lanes for the night.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this event was to encourage electees and members to get to know one another. One of the major advantages of social events, particularly when playing games, is that people are much more prepared to strike up conversations with another.

III. Organization & Administration: (in conjunction with another group? ___ Yes  X No)

IV. Cost & Personnel Requirements:
The cost of this event was $150.

V. Special Problems:
There were no special problems that arose from this event.

VI. Overall Evaluation/Results (Be Specific):
The Terp Zone Bowling Night went without a hitch. There was room for improvement in terms of attendance since only five people attended the event. Three lanes turned out to be completely unnecessary, so in the future, MD Beta will probably reserve two lanes at most.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (4)</th>
<th>Electees (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harrison Chau</td>
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<td>Sean Symon</td>
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<tr>
<td>Nick Kratzmeier</td>
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<tr>
<td>Nikki Nguyen</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B
Chapter Project Report
Project number: SE4

Project name: Engineering Student Council Dodgeball Tournament

Date(s) of Project: October 28, 2011

Project area: Community/ University/ Profession/ Chapter/ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 4  Electees: 4

Hours spent on this project.
Organizing: 2  Participating: 2

DESCRIPTION:

I. General Description:
The Engineering Student Council (ESC) hosted a dodgeball tournament to bring together the engineering community for an afternoon of fun and athletics. TBP organized a team to compete in the tournament, giving electees a chance to meet current TBP members and the wider engineering community.

II. Purpose & Relationship to Objectives of TBP:
Increase chapter unity through an athletic bonding event. Build teamwork and coordination. Meet electees and introduce them to TBP and the larger engineering community.

III. Organization & Administration: (in conjunction with another group? Yes No)
Tournament was organized by the Engineering Student Council (ESC). Over 15 engineering groups were in attendance. TBP organized an 8-person team to compete in the tournament, which had a double elimination structure with prizes for 1st and 2nd place. Tournament was held in the Armory Gym at 4pm on Friday Oct 28th with food and water provided and over 150 student in attendance.

IV. Cost & Personnel Requirements:
Costs were covered by the ESC, 8 members were required to compete in the tournament with at least 2 female team members.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
Team TBP-Allstars finished in the top 10, with a final score of 1-2. More importantly, we all had an excellent time meeting electees and socializing within the engineering community. Electees earned initiation points for the event and Jake Steinberg took home the MVP award for winning a match 1v5.
VII. Index of Exhibits:

Above: Justin Huang, Hongyi Xia, Erin Bak, and Jake Steinberg all looking fierce.
Above: Action shot, well maybe.

<table>
<thead>
<tr>
<th>Members (4)</th>
<th>Electees (4)</th>
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<tbody>
<tr>
<td>Justin Huang</td>
<td>Hongyi Xia</td>
</tr>
<tr>
<td>Erin Bak</td>
<td>Jake Steinberg</td>
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<tr>
<td>Justin Bare</td>
<td>Nicholas Hesser</td>
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<tr>
<td>Nikki Nguyen</td>
<td>Rachel Stein</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: SE5

Project name: Dinner at Bentley’s
Date(s) of Project: November 4, 2011

Project area: __Community/ __University/ __Profession/ X Chapter/ __Education/ Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 7
Electees: 3

Hours spent on this project.
Organizing: 0
Participating: 3

DESCRIPTION:

I. General Description:
Restaurant night that took place at R.J. Bentley’s Filling Station.

II. Purpose & Relationship to Objectives of TBP:
To promote social interaction between members of Tau Beta Pi and build a sense of community among members.

III. Organization & Administration: (in conjunction with another group? ___ Yes X No)

IV. Cost & Personnel Requirements:
Members paid for appetizers out of pocket.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
Fun times were had by all. All of the members that attended are on the executive board, but some electees came out as well which was great.
VII. Index of Exhibits:

Above: Justin Bare, Nick Kratzmeier, Carlos Casarez, and Erin Bak having fun times

Below: Rachel Stein, Nikki Nguyen, Ted Lillie, and Ricky Burcat posing for the camera
Above: The men in black appear (Harrison and Sean)
<table>
<thead>
<tr>
<th>Members (7)</th>
<th>Electees (3)</th>
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</thead>
<tbody>
<tr>
<td>Sean Symon</td>
<td>Carlos Casarez</td>
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<td>Nick Kratzmeier</td>
<td>Rachel Stein</td>
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<td>Justin Bare</td>
<td>Ted Lillie</td>
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<td>Nikki Nguyen</td>
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<td>Erin Bak</td>
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<td>Ricky Burcat</td>
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<td>Harrison Chau</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B
Chapter Project Report

Project number: SE6

Project name: Pictionary Night
Date(s) of Project: November 8, 2011

Project area: __ Community/ University/ Profession/ Chapter/ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 6 Electees: 3

Hours spent on this project.
Organizing: 1 Participating: 1

DESCRIPTION:

I. General Description:
Game Night was a short social event during which electees could get to know each other as well as current members of TBP. The social chair organizing the event brought a video game system and a small selection of board games. Chips and soda were also provided as refreshments. Those who attended were encouraged to bring games of their own.

Unfortunately, no one did bring any games and it became clear that an activity which involved the entire group of members and electees was needed. The social chair and initiation chair who attended quickly organized a game of Pictionary. They wrote down words for people to draw and the attendees were divided into two teams to compete against one another. In later rounds, other people were allowed to come up with words and moderate the competition while the social chair and initiation chair joined the game.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this activity was to help electees get to know current members of TBP and their fellow electees – one of the main goals of the initiation. Game Night was also a social event for current members to get free refreshments, have a good time, and meet prospective members.

III. Organization & Administration: (in conjunction with another group? ___ Yes ___ No)

IV. Cost & Personnel Requirements:
The cost of this activity was about $10 for refreshments consisting of chips and soda.

V. Special Problems:
The main issue that arose was the lack of any games or refreshments brought by the members and electees that attended the event. The social chair was also unable to bring very many games on his own. It was also hoped that the projector and screen would be available for use with a game system, but after a discussion with OIT, it was determined that this would not be possible.
VI. Overall Evaluation/Results (Be Specific):
Game Night was a fairly successful event, but there are many aspects that could be improved upon. Attendance from electees, as well as members, was relatively low, but this could be remedied by being more specific with what games would be available or played in advance of the event. Also, it was clear that dividing the attendees into different groups playing different games would not be practical. In the future, only games which involve the entire group of attendees, such as Pictionary, should be considered. This will encourage everyone to socialize with people that they don’t know and also give them a common goal to work towards as a group.

VII. Index of Exhibits:
N/A

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<tr>
<th>Members (6)</th>
<th>Electees (3)</th>
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<tbody>
<tr>
<td>Caleb Barrett</td>
<td>Carlos Casarez</td>
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<td>Mark Reese</td>
<td>Shannon White</td>
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<td>Al Gorski</td>
<td>Hannah Allison</td>
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<td>Ricky Burcat</td>
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<td>Nick Kratzmeier</td>
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<tr>
<td>Erica Sanker</td>
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</table>
**DESCRIPTION:**

**I. General Description:**
Members of TBP participated in a post initiation celebration to welcome the electees to Tau Beta Pi. The group participated in various games and team building exercises in order to build group camaraderie. For some of the activities, members were divided into small groups in order to get to know each other better.

**II. Purpose & Relationship to Objectives of TBP:**
The purpose of this event was to provide an opportunity for newly elected TBP members to meet and interact with other members of the organization. It’s not easy for electees to get to know each and every member of TBP during the initiation process. A lot of times electees only get to know a few members at a time through the various service/social/fundraising opportunities provided. This event provided a chance for electees to interact with multiple officers/members in a group setting and see the culture and character of Tau Beta Pi.

**III. Organization & Administration: (in conjunction with another group? ____ Yes ___ No)**

**IV. Cost & Personnel Requirements:**
N/A

**V. Special Problems:**
N/A

**VI. Overall Evaluation/Results (Be Specific):**
The goal of this program was to welcome newly initiated members into TBP and offer them a chance to get to know other members of the organization. Overall, this program was successful in accomplishing these two goals through a series of games and team building exercises. There was high attendance from the current members/officers; however, there could have been better participation from the electee class. In future events, TBP should promote this event better in order to ensure more electees are able to attend.
VII. Index of Exhibits:
N/A

<table>
<thead>
<tr>
<th>Members (11)</th>
<th>Electees (5)</th>
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<tr>
<td>Eric Federline</td>
<td>Tanner Hamann</td>
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<td>Mark Reese</td>
<td>Rachel Stein</td>
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<td>Sean Symon</td>
<td>Alden Grobicki</td>
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<td>Harrison Chau</td>
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<td>Kip Hart</td>
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<td>Rebecca Foust</td>
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</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: SE8

Project name: End of Semester Potluck
Date(s) of Project: December 9, 2011

Project area:
- Community/University/Profession/Chapter/Education:
  - Liberal Culture/College/Engineering/Social/Prof. Dev.

Number of persons who participated in this project:
Members: 12
Electees: 0

Hours spent on this project:
Organizing: 3
Participating: 2

DESCRIPTION:

I. General Description:
Members brought several dishes, including appetizers, entrees, and desserts, to collectively provide a wholesome meal with food options accommodating all dietary restrictions to celebrate the holidays.

II. Purpose & Relationship to Objectives of TBP:
The purpose of the potluck was to celebrate the semester’s end and allow for newly inducted members to interact with senior members and officers.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
Members prepared large dishes at home on their own time and dollar.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
The event was a success; there was a wide variety of dishes including a rotisserie chicken, Indian aloo gobi, a seafood pasta medley, and cheesecake. Members really enjoyed a relaxed dinner together in a time of stress and anxiety.
### VII. Index of Exhibits:

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<thead>
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<th>Members (12)</th>
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<tbody>
<tr>
<td>Majid Waheed</td>
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<tr>
<td>Sean Symon</td>
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<td>Mark Reese</td>
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<td>Nick Kratzmeier</td>
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<td>Caleb Barrett</td>
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<td>Eric Federline</td>
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<td>Justin Bare</td>
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<td>Alden Grobicki</td>
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<tr>
<td>Ted Lillie</td>
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<tr>
<td>Eric Federline</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Project name: Virginia Tech Basketball Game
Date(s) of Project: January 28, 2012

Number of persons who participated in this project
Members: 6
Electees: 0

Hours spent on this project.
Organizing: 4
Participating: 3

DESCRIPTION:

I. General Description:
The purpose of this event was to gather members of TBP to watch a basketball as a social event. This way we could all relax together and take a break from schoolwork.

II. Purpose & Relationship to Objectives of TBP:
The purpose was to encourage a sense of community in the engineering field and among members of Tau Beta Pi.

III. Organization & Administration: (in conjunction with another group?  Yes  No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
This was a very successful event. A few members showed up and were able to bond while having fun at the game.

VII. Index of Exhibits:

<table>
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<th>Members (6)</th>
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<tbody>
<tr>
<td>Nick Kratzmeier</td>
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<td>Justin Bare</td>
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<td>Ricky Burcat</td>
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<td>Caleb Barrett</td>
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<td>Phil Sandborn</td>
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<td>Harrison Chau</td>
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</table>
The Tau Beta Pi Association
Chapter: MD B
Chapter Project Report

Project name: Dinner at Noodles
Date(s) of Project: March 2, 2012

Project area: __Community/ Liberal Culture __University/ College __ Profession/ Engineering __ Chapter/ Social __ Education/ Prof. Dev.

Number of persons who participated in this project
Members: 5  Electees: 6

Hours spent on this project.
Organizing: 0  Participating: 2

DESCRIPTION:

I. General Description:
Restaurant night that took place at Noodles & Co.

II. Purpose & Relationship to Objectives of TBP:
Promote social interaction between members and electees of MD Beta.

III. Organization & Administration: (in conjunction with another group?  ____ Yes  X No)

IV. Cost & Personnel Requirements:
Members had to pay for dinner out of pocket.

V. Special Problems:
We were originally going to go to Cornerstone Grill & Loft, but when we arrived there was no space. We had to quickly relocate to Noodles and Co., and two officers stayed at Cornerstone to redirect those we could not reach by phone.

VI. Overall Evaluation/Results (Be Specific):
Despite having difficulty finding a restaurant with free tables, the event went well, and gave some members and electees their first opportunity to meet each other.

VII. Index of Exhibits:
N/A

<table>
<thead>
<tr>
<th>Members (5)</th>
<th>Electees (6)</th>
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<tbody>
<tr>
<td>Erin Bak</td>
<td>Sharon Anderson</td>
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<td>Justin Bare</td>
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<td>Yasmin Kadry</td>
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<td>Mark Reese</td>
<td>Kevin Li</td>
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<td>Erica Sanker</td>
<td>Eisha Nathan</td>
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<td>Justin Owens</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Date(s) of Project: March 13, 2012

Project number: SE11

Project name: Game Night

Date(s) of Project: March 13, 2012

Project area: __ Community/ University/ Profession/ Chapter/ __ Profession/ University/ __ Chapter/ __ Education/ Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 6 Electees: 6

Hours spent on this project.
Organizing: 1 Participating: 2

DESCRIPTION:

I. General Description:
Game Night was an event organized for TBP members and electees to get to know one another in a relaxed environment. Ice cream was provided for all participants to promote this atmosphere. Other attendees also brought along some refreshments for people to enjoy. Various games were brought by the social chair organizing the event, as well as by other attendees.

People were able to organize into different groups to play a game of their preference. The two main groups played Cranium and Taboo. These games are both team-based which helped to encourage communication, both game-based and off-topic, between participants. This served as a good ice-breaker and conversation grew as the games went on.

II. Purpose & Relationship to Objectives of TBP:
The purpose of Game Night was to allow electees to get to know current members of TBP and their fellow electees which is one of the main goals of the initiation process. It was also a chance for the members and electees to get free desserts in the middle of a week of classes.

III. Organization & Administration: (in conjunction with another group? ___ Yes X No)

IV. Cost & Personnel Requirements:
The cost of this activity was about $20 for the ice cream and bowls/utensils.

V. Special Problems:
There were no specific problems with this event. One issue was that the original plan was to find a classroom to play the games in. It was decided, however, that the large, flat table in the lounge was more well-suited for playing both board games and other types of games.
VI. Overall Evaluation/Results (Be Specific):
Game Night was certainly a successful event this semester. The turn-out was evenly split between current members and electees, providing a good social balance. The format of playing multiple team-based games allowed for greater conversation between participants. The decision to hold the event in the TBP lounge also worked out very well as the attendees appeared very comfortable and there was no issue in the set-up or playing of the games.

VII. Index of Exhibits:
N/A

<table>
<thead>
<tr>
<th>Members (6)</th>
<th>Electees (6)</th>
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<tbody>
<tr>
<td>Erin Bak</td>
<td>Will Demore</td>
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<td>Justin Bare</td>
<td>Rosemary Garcia</td>
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<td>Caleb Barrett</td>
<td>Sylvie DeLaHunt</td>
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<td>Carlos Casarez</td>
<td>Jacob Schulman</td>
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<td>Tanner Hamann</td>
<td>Jarrett Raiford</td>
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<tr>
<td>Nick Kratzmeier</td>
<td>Justin Owens</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: SE12

Project name: Ice Skating
Date(s) of Project: March 30, 2012

Number of persons who participated in this project
Members: 3
Electees: 1

Hours spent on this project
Organizing: 1
Participating: 1

DESCRIPTION:

I. General Description:
Ice Skating was an event organized to allow for TBP members and electees to get to know one another in a fun and relaxed environment. It was held at Herbert Wells Ice Rink which is near campus. Conveniently, they offer a discounted rate for college students. A session open to the public on a Friday from 3:15 to 5:15 pm was chosen by the social chair for this event.

Those that needed a ride to the ice rink were able to find transportation. The entire group then met at the rink. Attendees were able to ice skate for a period of time that was of their preference, and those off of the ice were able to sit near the rink and socialize. Overall, there was a good balance of ice skating and conversation.

II. Purpose & Relationship to Objectives of TBP:
The purpose of Ice Skating was to allow electees to get to know current members of TBP and their fellow electees which is one of the main goals of the initiation process. It was also a chance for all of the attendees to relax and unwind after a week of classes.

III. Organization & Administration: (in conjunction with another group? Yes X No)

IV. Cost & Personnel Requirements:
The cost of this activity was $3 for each attendee for skating privileges and skate rental.

V. Special Problems:
The one significant problem with this event was the low attendance. This issue may have occurred for a variety of reasons. One of them perhaps was insufficient advertisement of the event. Another may have been the mid-afternoon start time of the event. Cost should not have been a significant factor.
VI. Overall Evaluation/Results (Be Specific):
Ice Skating this semester definitely could have gone a lot better. The time of the event, which is completely dependent on the times available at the ice rink, should not have been an issue. This is because previous Ice Skating events have had good turn-out from both members and electees. The issue of low attendance should be addressed in the future through greater advertisement of the event both verbally and perhaps in some sort of flyer format.

VII. Index of Exhibits:
N/A

<table>
<thead>
<tr>
<th>Members (3)</th>
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<tr>
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<td>Alden Grobicki</td>
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<td>Michael Kelly</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: SE13

Project name: Dinner at Jason’s Deli 2
Date(s) of Project: April 6, 2012

Project area: _Community/ __ University/ _ Profession/ X Chapter/ __ Education/
Liberal Culture College Engineering Social Prof. Dev.

Number of persons who participated in this project
Members: 6 Electees: 10

Hours spent on this project.
Organizing: 0 Participating: 2

DESCRIPTION:

I. General Description:
Restaurant night that took place at Jason’s Deli.

II. Purpose & Relationship to Objectives of TBP:
Promote social interaction between members and electees of MD Beta.

III. Organization & Administration: (in conjunction with another group? __ Yes X No)

IV. Cost & Personnel Requirements:
Members had to pay for dinner out of pocket.

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
This restaurant night was a lot of fun because many electees were able to attend.

VII. Index of Exhibits:
N/A
<table>
<thead>
<tr>
<th>Members (6)</th>
<th>Electees (10)</th>
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<tbody>
<tr>
<td>Erin Bak</td>
<td>Sharon Anderson</td>
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<td>Ricky Burcat</td>
<td>Will DeMore</td>
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<td>Harrison Chau</td>
<td>Rosemary Garcia</td>
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<td>Nick Kratzmeier</td>
<td>Chris Helstern</td>
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<td>Sean Symon</td>
<td>Emily Hitz</td>
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<td>Justin Owens</td>
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<td>Nick Pozoulakis</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: SE14

Project name: Karaoke Night
Date(s) of Project: April 19, 2012

Project area:
- __ Community/
- __ University/
- __ Profession/
- X_ Chapter/
- __ Education/
- Liberal Culture
- College
- Engineering
- Social
- Prof. Dev.

Number of persons who participated in this project
- Members: 3
- Electees: 4

Hours spent on this project.
- Organizing: 0
- Participating: 2

DESCRIPTION:

I. General Description:
MD Beta members went to Applebees for Karaoke Night, which is held weekly on Thursday nights.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this event was to promote social interaction between members and electees of Tau Beta Pi.

III. Organization & Administration: (in conjunction with another group? __Yes __X__ No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
Event was mildly successful. Barry was the only brave soul who got up to sing. If it were at an earlier time than 9PM, more people may have been able to come, but karaoke doesn’t start until 9PM so it went as well as could be expected.

VII. Index of Exhibits:

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<th>Members (3)</th>
<th>Electees (4)</th>
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<tbody>
<tr>
<td>Erin Bak</td>
<td>Barry McMenamin</td>
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<td>Kenny Morgan</td>
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<td>Mary Natoli</td>
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</tbody>
</table>
The Tau Beta Pi Association
Chapter: MD B

Chapter Project Report

Project number: SE15

Project name: Geek Week
Date(s) of Project: April 23-27, 2012

Number of persons who participated in this project
Members: 7 Electees: 2

Hours spent on this project.
Organizing: 2 Participating: 5

DESCRIPTION:

I. General Description:
Every year, the professional fraternities and honor societies at the University of Maryland participate in a week-long event called Geek Week with outdoor social activities everyday. Monday was grill out on the South Campus quad followed by a scavenger hunt on Tuesday, dodgeball and soccer on Wednesday, capture the flag on Thursday, and a field day on Friday. Each organization composed its own team and the teams competed in the events to win a trophy at the end of the week.

II. Purpose & Relationship to Objectives of TBP:
Geek week provided our chapter a chance to get to know the other professional organizations on campus and to bond with current members and electees.

III. Organization & Administration: (in conjunction with another group? Yes No)

IV. Cost & Personnel Requirements:
There was a $50 entry fee for the organization to participate.

V. Special Problems:
There were no problems with this event apart from no one participating unless there was free food.

VI. Overall Evaluation/Results (Be Specific):
Geek week was during the week of our initiation so many people were busy and could not attend. Other than that, it was a very successful event.

VII. Index of Exhibits:
N/A
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<th>Electees 2)</th>
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<tr>
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<td>Timothy Lee</td>
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<td>Harrison Chau</td>
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<td>Eric Federline</td>
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<td>Hongyi Xia</td>
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<td>Erica Sanker</td>
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<td>Lauren Dorsey</td>
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<td>Ben Walsh</td>
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The Tau Beta Pi Association
Chapter Project Report

Chapter: MD B
Project number: SE16

Project name: Tau Beta Pi End of Year Celebration
Date(s) of Project: May 10, 2012

Project area: ___Community/   ___University/   ___Profession/   X Chapter/   ___Education/
Liberal Culture  College  Engineering  Social  Prof. Dev.

Number of persons who participated in this project
Members: ___15___  Electees: ___3___

Hours spent on this project.
Organizing: ___2___  Participating: ___5___

DESCRIPTION:

I. General Description:
Members of TBP participated in an end of semester celebration to have a sendoff for the graduating senior class.

II. Purpose & Relationship to Objectives of TBP:
The purpose of this event was to have one last get-together for TBP’s graduating class of 2012. This event also provided an opportunity for newly elected TBP members to meet and interact with other members of the organization.

III. Organization & Administration: (in conjunction with another group? ___ Yes  X No)

IV. Cost & Personnel Requirements:
N/A

V. Special Problems:
N/A

VI. Overall Evaluation/Results (Be Specific):
The goal of this program was to celebrate the senior class as well as welcome newly initiated members into TBP and offer them a chance to get to know other members of the organization. Overall, this program was successful in accomplishing these two goals through a series of games and team building exercises.

VII. Index of Exhibits:
N/A
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<thead>
<tr>
<th>Members (15)</th>
<th>Electees (3)</th>
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<tbody>
<tr>
<td>Eric Federline</td>
<td>Barry McMenamin</td>
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<td>Mark Reese</td>
<td>Tim Lee</td>
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<td>Sean Symon</td>
<td>Justin Owens</td>
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<td>Justin Bare</td>
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<td>Nick Kratzmeier</td>
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<td>Ricky Bureat</td>
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<td>Nikki Nguyen</td>
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<td>Kip Hart</td>
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<td>Randy Liu</td>
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