Tau Beta Pi

Alaska Alpha Chapter

Project Reports: 2015 – 2016 Academic Year

Report 001 .................................................................................................................. 1
Report 002 .................................................................................................................. 2
Report 003 .................................................................................................................. 3
Report 004 .................................................................................................................. 4
Report 005 .................................................................................................................. 5
Report 006 .................................................................................................................. 6
Report 007 .................................................................................................................. 7
Report 008 .................................................................................................................. 8
Report 009 .................................................................................................................. 9
Report 010 ............................................................................................................... 10
Report 011 ............................................................................................................... 11
Report 012 ............................................................................................................... 12
The Tau Beta Pi Association

Chapter: AK A

Chapter Project Report

Project number: 1

INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

Project name: Bent Polishing

Date(s) of Project: 09/17/2015

Date(s) of Project:

Project area: __Community/ __University/ X College

Project area:

__Profession/ __Chapter/ __Education/ Liberal Culture

Engineering

Social

Prof. Dev.

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

Requested volunteers at the TBP general membership meeting and through e-mail.

Cost & Personnel Requirements: __No cost was accrued; a minimum of two members is needed to clean and polish the statue.

Organization & Administration:

V. Special Problems: __No problems were present or forthcoming.

Cost & Personnel Requirements:

Overall Evaluation/Results (Be Specific): __The statue looked far better after sitting out for the summer months, grit was removed from the inscription.

VII. Index of Exhibits: __N/A
The Tau Beta Pi Association
Chapter: AK A
Chapter Project Report
Project number: 2

INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

Project name: Bent Statue Stand
Date(s) of Project: Oct 20, 2015 – Feb 14, 2016

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

Number of persons who participated in this project
Members: 8 Electees: 0
(Please attach a list of names.)

Hours spent on this project. Organizing: 1 Participating: 20

DESCRIPTION:
I. General Description: The project involved the design, construction and installation of a stand for the Tau Beta Pi Bent Statue

II. Purpose & Relationship to Objectives of TBP: Fostering brotherhood among members and raising awareness about TBP

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

 Asked for volunteers at the TBP general membership meeting and created a shared folder for team document sharing.

IV. Cost & Personnel Requirements: Total Cost: $162. Three members designed the new stand, one constructed it, and 7 installed it.

V. Special Problems: Powered equipment for moving the TBP statue was unavailable. An engine hoist was used to replace the powered equipment.

VI. Overall Evaluation/Results (Be Specific): Excellent turnout, many members and alumni members participated. The new stand improved both the appearance of the statue and its mobility.

VII. Index of Exhibits: N/A
INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

Project name: _Bent Decoration - Thanksgiving_ Date(s) of Project: _11/08/2015_

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: _0__ (Please attach a list of names.)

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

DESCRIPTION:

I. General Description: _Decorated the TBP Bent statue for the Thanksgiving holiday, dressing it up to look like a turkey._

II. Purpose & Relationship to Objectives of TBP: _Promote a sense of brotherhood among TBP members and show TBP presence at the college._

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

_Materials were gathered from local hobby shops and leftover items from the TBP office. Information was brought up at the general membership meeting and the event was based around volunteers._

IV. Cost & Personnel Requirements: _$20 for fabric materials not already in possession of the Chapter. Personal vehicles were used to travel to stores to obtain the necessary materials._

V. Special Problems: _No particular problems were encountered for this event._

VI. Overall Evaluation/Results (Be Specific): _The Bent Statue looked far more festive and drew the eyes of passers-by. A show of presence was garnered from decoration of the statue._

VII. Index of Exhibits: _N/A_
INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

Project name: _Bent Decoration - Christmas_ Date(s) of Project: _12/03/2015_
Project area: __Community/ ___College/ X__University/ ___Engineering/ ___Profession/ ___Chapter/ ___Education/ ___Prof. Dev.

Number of persons who participated in this project
Members: _4_ Electees: _0_
(Please attach a list of names.)

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

DESCRIPTION:

I. General Description: _Decorated the TBP Bent statute for the Christmas holiday, dressing it up to look like a Christmas tree._

II. Purpose & Relationship to Objectives of TBP: _Promote a sense of brotherhood among TBP members and show TBP presence at the college._

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

_Materials were acquired from members and leftover items from the TBP office. Information was brought up at the general membership meeting and through e-mail, the event was based around volunteers._

IV. Cost & Personnel Requirements: _No cost was garnered for the Chapter._

V. Special Problems: _No particular problems were encountered for this event._

VI. Overall Evaluation/Results (Be Specific): _The Bent Statue looked far more festive and drew the eyes of passers-by. A show of presence was garnered from decoration of the statue._

VII. Index of Exhibits: _N/A_
The Tau Beta Pi Association
Chapter: _____AK A_____
Chapter Project Report

Project number: ____5____

INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

Project name: ____Differential Tuition Proposal____ Date(s) of Project: 02/11/2016 to 03/03/2016

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

Number of persons who participated in this project Members: _4_ Electees: _0_
(Please attach a list of names.)

Hours spent on this project. Organizing: _2_ Participating: _2_

DESCRIPTION:

I. General Description: _TBP AK A Chapter was instrumental in aiding the Dean of the College of Engineering and Mines here at UAF with putting together a proposal for the implementation of differential tuition for the engineering college for the coming school years, due to recent major budget cuts and budget projections for the university in the next Fall/Spring cycle and beyond._

II. Purpose & Relationship to Objectives of TBP: _The project aids in fostering a better relationship with University Administration as well as advocating for the student body as student leaders._

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

  _Bryce Hiles put together a draft of the proposal which went through a few revision processes across a couple of days with aid from Sophia Tidler, Jessica Garvin, and Eric Bookless. The final proposal was put before students on 02/25/2016 and they were given a week to read, review, and sign the proposal if they so agreed with it. All copies and signatures were gathered on 03/03/2016 and given to the Dean of the College of Engineering and Mines._

IV. Cost & Personnel Requirements: _Only cost was in the form of time spent writing the proposal._

V. Special Problems: _The only problem encountered was tracking down copies of the proposal to collect signature pages, as copies had been distributed college-wide._

VI. Overall Evaluation/Results (Be Specific): _As a result of TBP’s involvement, we have been given greater voice and participation with the College Administration, being invited as Student Representatives to advisory and state-of-the-college meetings._

VII. Index of Exhibits: _N/A_
INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

Project name: __Engineering Futures__ Date(s) of Project: ____02/12/2016_____

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

Number of persons who participated in this project Members: _3_ Electees: _0_ (Please attach a list of names.)

Hours spent on this project. Organizing: _3_ Participating: _3_

DESCRIPTION:

I. General Description: _Tau Beta Pi Engineering Futures Module: Group Process__

II. Purpose & Relationship to Objectives of TBP: _Increase real-world education and development of budding engineers, as well as providing scenarios in a professional setting one might encounter._

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

_Bryce Hiles and Jason Slats in conjunction with Dr. Darrow (Organization Advisor) contacted TBP HQ to put in a request for the module, where Bryce and Jason then went about securing space at the college, nailing down a time, posting flyers with information, and providing lunch the day of the event._

IV. Cost & Personnel Requirements: _$47.96 was spent on acquiring food and drink for the event. Bryce and Jason drove personal vehicles and spent the rest of the day with Russell Pierce after the conclusion of the event._

V. Special Problems: _No particular special problems were encountered._

VI. Overall Evaluation/Results (Be Specific): _A total of 11 students across multiple engineering disciplines attended the event, three of which were TBP members. Everyone who attended and participated in the event enjoyed themselves, where Russ said that he would be happy to come back later in the same semester to give another module. This second module did take place on 04/09/2016, see Project Report for Engineering Futures: Module - Analytical Problem Solving._

VII. Index of Exhibits: _N/A_
The Tau Beta Pi Association
Chapter:  AK A
Chapter Project Report

Chapter Project Report Project number:   7

INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

Project name: ___Bent Polishing_________ Date(s) of Project:  Feb 18, 2016_

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

Number of persons who participated in this project  Members:  8   Electees:  0

Hours spent on this project.  Organizing: _0.25_ Participating: _1_

DESCRIPTION:
I. General Description: ____The project Involved the cleaning and polishing of the TBP Bent statue.  ________________________________________________________________

II. Purpose & Relationship to Objectives of TBP: _Fostering brotherhood among members and raising awareness about TBP.____________________________________________________________

III. Organization & Administration: (in conjunction with another group?)  ___ Yes   X_ No
______ Asked for volunteers at the TBP general membership meeting and via email.
______________________________________________________________

IV. Cost & Personnel Requirements: _Total Cost:  $0, Two members, minimum, needed to clean and polish the statue.______________________________________________

V. Special Problems: _____No problems arose during the project__________________________

VI. Overall Evaluation/Results (Be Specific): __The Bent statue’s appearance was improved before the CEM open house occurred.

____________________________________________________________________________

VII. Index of Exhibits: _N/A______________________________________________________

____________________________________________________________________________
INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

Project name: Order of the Engineer

Date(s) of Project: 02/26/2016

Project area: X University/College

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

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

DESCRIPTION:

I. General Description: Initiation of second-semester Juniors and upwards in engineering disciplines into the Order of the Engineer.

II. Purpose & Relationship to Objectives of TBP: Promote excellence and integrity in the engineering profession.

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

Bryce Hiles and Sophia Tidler at the request of the Order of the Engineer representative compiled a list of people interested in being initiated and had their fingers sized. The ceremony was put together and carried out by the same representatives of the Order of the Engineer of initiation.

IV. Cost & Personnel Requirements: No cost existed for this project.

V. Special Problems: This year, at the request of a number of students, initiation was opened to include second semester Juniors and upwards such that these students are invested in their degree as engineers, and hence can be considered to faithfully graduate with a degree in engineering as is requested by the Order of the Engineer.

VI. Overall Evaluation/Results (Be Specific): The ceremony itself went off without a hitch, whereby initiated members got together and went out for dinner afterwards on their own dime. Being able to provide the Order of the Engineer representative with a conclusive list of names, contact information, and ring sizes was useful in making sure the process was a success.

VII. Index of Exhibits: N/A
**The Tau Beta Pi Association**

**Chapter Project Report**

**Chapter:** AK A  
**Project number:** 9

**INSTRUCTIONS:** Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

**Project name:** Engineering Week  
**Date(s) of Project:** 02/27/2016

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

**Number of persons who participated in this project**  
**Members:** 4  
**Electees:** 0  
(Please attach a list of names.)

**Hours spent on this project.**  
**Organizing:** 5  
**Participating:** 6

**DESCRIPTION:**

I. General Description: Members participated in the College-wide Engineering Showcase event where members of the community came in to view projects and presentations about what students were doing as well as to entice younger children into the wonders and marvels of engineering as a profession.____________________________________________________________________

II. Purpose & Relationship to Objectives of TBP: Foster community involvement and leadership as well as make Tau Beta Pi a more present force and prevalent with respect to the College of Engineering and Mines as a whole.________________________________________________

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

Members Bryce Hiles and Peter Kelly got together with a pastry-chef/culinary student and baked eight apple pies for use at the Tau Beta Pi table. Slices of pie were given out to children and students for either reciting digits of pi or learning about what pi represents and its presence in everyday life. Michael Fehrenbach and Sophia Tidler, along with Bryce Hiles and Peter Kelly helped administer the pie and stand at the table throughout the day.____________________________________________

IV. Cost & Personnel Requirements: $100 in the form of ingredients, pie tins, paper plates, plastic ware, and napkins was spent in order to provide everything required for the event.___________

V. Special Problems: _No special problems were encountered._

VI. Overall Evaluation/Results (Be Specific): All eight pies were consumed, with a drawing being performed at the very end for UAF memorabilia and two free pies to go home with the winning family. The event was fun both to put on as well as to interact with the community and younger children, hopefully getting them excited for a potential future in engineering._______________________

VII. Index of Exhibits: N/A______________________________________________________
INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

Project name: Spring Banquet Date(s) of Project: April 4, 2016

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

Number of persons who participated in this project Members: 8 Electees: 0
(Please attach a list of names.)

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

DESCRIPTION:

I. General Description: Spring banquet after the spring initiation. Members, guests, and new initiates were invited.

II. Purpose & Relationship to Objectives of TBP: Fostering brotherhood among members, networking, and recognizing new members achievements.

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

Sent email invitation for RSVP list to make reservations.

IV. Cost & Personnel Requirements: Total Cost: $80, Vice President reserved seating at restaurant.

V. Special Problems: No problems occurred

VI. Overall Evaluation/Results (Be Specific): Excellent turnout, many members and alumni members participated.

VII. Index of Exhibits: N/A
INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

Project name: __Engineering Futures__      Date(s) of Project: ____04/09/2016____

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

Number of persons who participated in this project
Members: 2    Electees: 0
(Please attach a list of names.)

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

DESCRIPTION:

I. General Description: _Tau Beta Pi Engineering Futures Module: Analytical Problem Solving_

II. Purpose & Relationship to Objectives of TBP: _Increase real-world education and development of budding engineers, as well as providing scenarios in a professional setting one might encounter._

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

_Bryce Hiles, Jason Slats, and Peter Kelly in conjunction with Dr. Darrow (Organization Advisor) contacted TBP HQ to put in a request for the module, where Bryce, Jason, and Peter then went about securing space at the college, nailing down a time, posting flyers with information, and providing lunch the day of the event._

IV. Cost & Personnel Requirements: _$47.96 was spent on acquiring food and drink for the event. Russ aided with initiation later that day. A handful of members, the initiates, and friends and family went out to dinner afterwards. $10 was given to each member who attended the dinner who was initiated in Fall 2015 or Spring 2016._

V. Special Problems: _No particular special problems were encountered._

VI. Overall Evaluation/Results (Be Specific): _A total of 13 students across multiple engineering disciplines attended the event, two of which were TBP members. Everyone who attended and participated in the event enjoyed themselves, where Russ said that he would be happy to come back the coming Fall Semester and perform a two-in-a-day event or again return to Alaska twice in one semester to complete modules._

VII. Index of Exhibits: _N/A_
The Tau Beta Pi Association
Chapter:  AK A
Chapter Project Report
Project number:  __12__

INSTRUCTIONS: Please complete each of the seven sections below. Any additional information which may be helpful to another chapter would also be appreciated; however, do not send extraneous material that is not beneficial.

Project name:  ___Animal Shelter Volunteering___  Date(s) of Project:  ___April 16, 2016___

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

Number of persons who participated in this project
Members:  _5_  Electees:  _0_
(Please attach a list of names.)

Hours spent on this project.  Organizing:  _1_  Participating:  _4_

DESCRIPTION:

I. General Description:  ____The project involved gathering a group of volunteers and volunteering at a local animal rescue mission accomplishing general tasks.__________________________________________

II. Purpose & Relationship to Objectives of TBP:  _Fostering brotherhood among members and serving the local community.__________________________________________________________

III. Organization & Administration: (in conjunction with another group?)  _X_ Yes   ___ No
An email was sent announcing the project and asking for volunteers to current TBP and ASCE members__________________________________________

IV. Cost & Personnel Requirements:  _Total Cost: $0, No specific personnel requirements

V. Special Problems:  ____No problems arose during the project____________________

VI. Overall Evaluation/Results (Be Specific):  ____Good member turnout, despite other University events occurring that weekend. Made significant gains in the construction of kennels for the shelter.___

VII. Index of Exhibits:  __N/A______________________________________________________