



THE
Bulletin
OF Tau Beta Pi

December 2010

A Publication
for the Collegiate
Chapters

105th Convention!

THE 105th Convention of Tau Beta Pi was held October 7-9, 2010, in King of Prussia, and the Pennsylvania Alpha Chapter was official host of its fifth national meeting. The hundreds of out-of-town attendees were housed in the Radisson Valley Forge and Valley Forge Scanticon, and four business meetings were held and four meals were served in the Valley Forge Convention Center.

A total of 506 members of Tau Beta Pi participated in the business of the Convention, the third-highest total ever. Of these, 343 were student voting and non-voting delegates and host-chapter members; six were alumnus

chapter delegates; 66 were advisors; 61 were national officials, Convention leaders, and Engineering Futures Facilitators; and 30 were alumnus visitors and petitioners. The attendees represented 227 collegiate and six alumnus chapters. Chapter advisors attended at



the special invitation and partial expense of the Association. In addition, at least 39 non-member consultants and guests attended some events.

Arrangements Chair **K. Dennis Tung, PA A '11,**

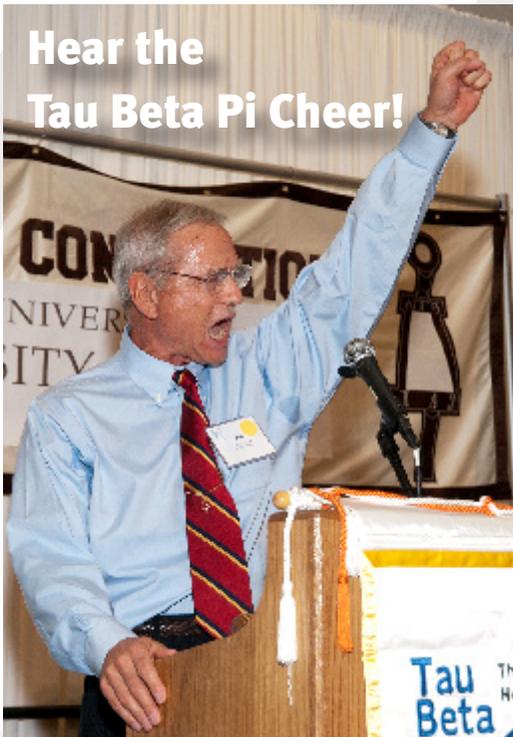
guided preparations for the Convention and its extensive logistics. He and President **Robert E. Asselein, PA A '11,** managed such duties as hospitality, publicity, technology, transportation, souvenirs, and the campus visit.

The days were filled with business, committee, District and Engineering Futures meetings, Interactive Chapter Exchanges (ICE), the model initiation, and special Quasiquintennial presentations by **Dr. Lyle D. Feisel, PE, IA A '61,** ASEE Executive Director; **Terry J. Hart, PA A '68,** NASA astronaut; **Dr. Alton D. Romig Jr., PA A '75,** Sandia Labs executive; and a one-man play, *Einstein the Man*, by Bill Landry.

Early on Thursday, a successful Recruiting Fair was held with representatives from sponsoring companies and the graduate schools of engineering listed on page 3.



Bent rededicated: Lehigh engineering dean **Dr. S. David Wu, PA A '81,** with support from university president **Dr. Alice P. Gast, CA A '80,** unveils the Bent monument at its new site outside Asa Packer Hall.



**Hear the
Tau Beta Pi Cheer!**

Executive Director Jim Froula, TN A '67, leads the traditional cheer.

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The Convention formally opened Thursday afternoon when President Larry A. Simonson presented his annual report.

The Chapter Development Program of the Convention, including the District and Engineering Futures meetings and ICE seminars, is reported on page 7 in this issue. These informal sessions are extremely valuable benefits of the Convention, providing delegates the opportunity to exchange good ideas with other Tau Bates from all regions of the country. On Saturday afternoon, a model initiation was conducted by a team of national officers and Rituals Committee members.

In all, four Convention business meetings were held; **Ronald M. Hickling, CA E '80**, the Executive Council-appointed permanent chair, presided and was assisted by **Dr. John R. Luchini, PE., MI Γ '71**, the appointed parliamentarian.

The 2006-10 Executive Council was re-installed on Saturday night to continue to lead the Society during the 2010-14 term.

The Saturday Initiation and Award Banquet in the Bucks Ballroom brought the Convention to a festive conclusion, as the Resolutions Committee presented its report.

The program included the presentation of Tau Beta Pi's 2010 national awards. Biographical sketches of Outstanding Advisor **Dr. Robert E. Efimba, PE., MA B '63**; Distinguished Alumnus **Dr. Merl Baker, PE., KY A '45**; McDonald Mentor **Dr. Donna S. Reese, MS A '79**; and Laureates **Christina L. Bonnington, MS B '10**, **Jaelyn R. Kondratko, IN Δ '10**, **Elisabeth Linton, UT Γ '08**, **Travis W. Walker, SD A '08**, and **Stephanie N. Zastrow, MN A '11**, appeared in the Fall 2010 issue of *THE BENT*.



Actor Bill Landry presents "Einstein the Man."

PHOTO CREDITS: All Convention photographs in this issue were made by Raymond H. Thompson, TBII Systems Administrator.

In Tau Beta Pi's usual method, Convention business is handled by committees, except for those few items that emerge during the meetings as new business. Seven standing committees are called for by the Constitution, and three *ad hoc* groups were also appointed. Alumnus chapter delegates also met informally.

Every collegiate-chapter voting delegate served on a committee, and a national officer advisor opened each group's initial meeting on Thursday afternoon and then stood with other national officials for consultation. Each standing committee selected fellow students as chair, vice chair, and secretary to present reports, recommendations, and proposals to the entire Convention. The following reports summarize formal business.

Petitions

Jared R. Funston, NM B, Chair.

After studying the petition, catalog,



JARED R. FUNSTON

and inspection report and interviewing the petitioner's representatives, the group recommended that one new chapter be established.

The school and its leaders are: Embry-Riddle Aeronautical University: Evan Phillips and Dr. Howard D. Curtis, P.E., *IN A '63*, advisor.

The Convention granted the petition by an overwhelming vote. Florida Iota will be officially installed on March 12, 2011, raising the number of active collegiate chapters to 237.

Constitution and Bylaws

Eric S. Harper, OH Θ, Chair.

Four topics had been referred to the committee prior to the meeting for study and recommendations. The Convention adopted, by the required vote, an amendment to Constitution Art. III, Sec. 2(b) and (d), to allow multiple Officers and Directors appointed to a Convention committee to serve as advisors to that committee and to correct an error in the actual procedure of selecting,

rather than electing, the Convention Chair; final approval of this change is subject to chapter ratification. The Con-



ERIC S. HARPER

vention also adopted, by the required three-fourths vote, changes to Bylaw V, Section 5.03(d)(7-10) and Bylaw VIII, Section 8.01(h) and 8.05-8.08, to

fine a chapter \$5 for failure to file the appropriate IRS 990 form and \$50 for failure to file the form for two consecutive years; these changes were effective immediately.

Finally, the Convention directed each chapter to specify in its chapter bylaws its method of determining junior and senior standing and to report compliance to Headquarters by April 1, 2011, as a required report.

Curriculum Review (*ad hoc*)

Brandon V. Getsinger, NJ E, Chair.

The committee diligently reviewed three appeals to include non-ABET/EAC curricula as eligible programs. The Convention granted appeals to Florida Alpha and Massachusetts Delta, but rejected a second appeal by Florida Alpha after extensive debate.

Chapter/Association Financial Affairs

Lee M. Clemon, KS A, Chair.

The group had been given the 2009-10 reports of the Society's auditor and



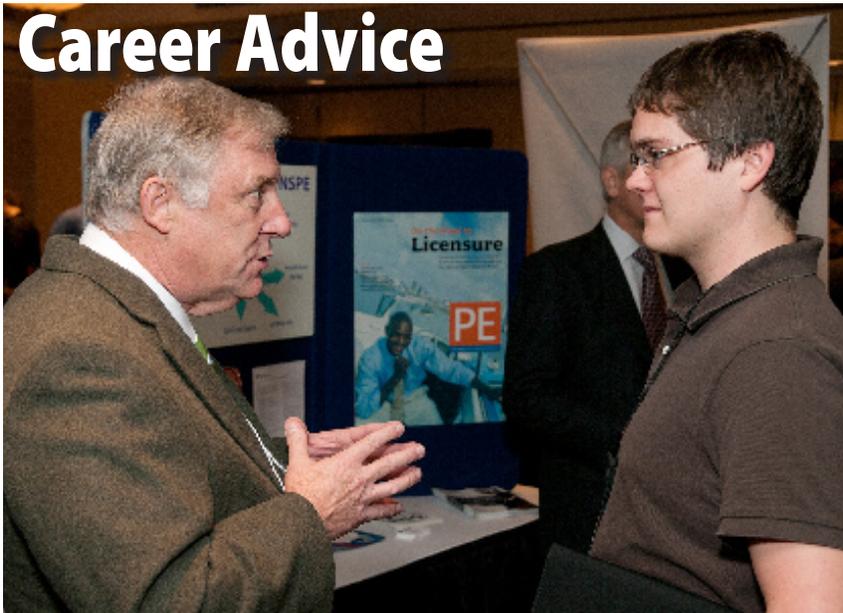
LEE M. CLEMON

Executive Director, the Executive Council's formal Trust Investment Policy, and the Society's budget for 2010-11. The committee reviewed the

documents, accepted the investment policy, and concluded that Tau Beta Pi's financial health is in proper order.

The committee recommended, and the Convention adopted, specific allowable expenses beyond those specified in the Bylaws for delegates to the 2010 Convention. The group worked with chapters to resolve debts, and the Convention decided that District

Career Advice



Lawrence A. Jacobson, executive director of the National Society of Professional Engineers, offers career advice to a Tau Beta Pi member at the Recruiting Fair.

Directors be authorized to select up to 10 percent (rounded up) of chapters from each District to receive full reimbursement for one Convention non-voting delegate per selected chapter.

Awards

Ken R. Fukumoto, ID Γ, Chair.
The committee spent long hours evaluating the chapters and selecting the 2009-10 R.C. Matthews Outstanding Chapter and R.H. Nagel Most Improved Chapter. The winners are reported on page 5 in this issue.

Rituals

Qing Hu, TX Γ, Chair.
On Saturday, delegates were favorably impressed by the model initiation that the committee helped to organize for nine students, one alumnus, and one eminent engineer of Pennsylvania Alpha and one initiate for Indiana Alpha. The Convention approved one small change in the Ritual.



QING HU

Convention Site

Robert J. Warren, MI Γ, Chair.
This group reviewed invitations from Iowa Alpha and Washington Delta

to host the 2013 Convention and recommended that the Iowa Alpha bid be accepted. The decision will be reviewed by the Executive Council.

Chapter Website (ad hoc)

Benjamin W. Gasser, AL Δ, Chair.
The committee made recommendations to improve chapter websites and also the "Chapter Website" at tbp.org.

Chapter Advisors (ad hoc)

Barry L. Frost III, MI K Adv., Chair.
The advisors reported progress is being made through the Advisor Recruitment and Development Committee on the topics of advisor-training materials and the advisor selection process.

Resolutions

Brian E. Ward, CO Δ, Chair.
This group prepared and presented a delightful skit about Convention memories during Saturday evening's social event. During the final banquet, Mr. Ward presented resolutions of thanks to the host chapter, officials,



BRIAN E. WARD

sponsors, alumni, and others whose support had been gratefully received by Tau Beta Pi.

Take a Bow, Convention Donors!

Tau Beta Pi gratefully acknowledges the following contributors to the 2010 Convention:

Diamond Sponsors

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- Michigan State University College of Engineering • Michigan Technological University Graduate School • National Society of Professional Engineers • New Jersey Institute of Technology • University of Notre Dame College of Engineering • University of Pennsylvania Graduate School of Engineering
- Rutgers University School of Engineering • University of South Florida College of Engineering • Stevens Institute of Technology • Teach for America • Widener University School of Engineering

105th Convention

\$8,000 in Scholarships

SIXTEEN CHAPTERS, each of which had won Chapter Project Awards for three consecutive years, won \$500 scholarships.

CHAPTER	INSTITUTION	DELEGATE
Alabama Epsilon	University of South Alabama	Sean M. Ramsey
California Alpha	University of California, Berkeley	William H. Li
California Psi	University of California, San Diego	Emi Nakayama
District of Col. Alpha	Howard University	Ehimwenma Nosakhare
Florida Alpha	University of Florida	Elizabeth C. Graham
Florida Gamma	University of South Florida	Cory A. Nation
Indiana Delta	Valparaiso University	Stephen E. Odegard
Iowa Alpha	Iowa State University	Adam P. Christiansen
Michigan Gamma	University of Michigan	Robert J. Warren
Michigan Epsilon	Wayne State University	Eric M. Gingrich
New Mexico Gamma	New Mexico Inst. of Mining & Tech.	Sarah M. Kilmer
New York Tau	Binghamton University	Kirstie T. Caesar
Ohio Iota	Ohio Northern University	Lauren T. Sutherland
Texas Alpha	University of Texas at Austin	Michael Vu
Vermont Beta	Norwich University	Joseph R. Sargent
Wyoming Alpha	University of Wyoming	Robert W. Streeter

27 Chapters Commended

EXECUTIVE DIRECTOR Jim Froula presented commendations to these chapters for punctual Headquarters reports in 2009-10:

Alabama Beta	Idaho Beta	Oregon Gamma
Alabama Epsilon	Michigan Epsilon	Pennsylvania Alpha
California Alpha	Montana Alpha	South Carolina Alpha
California Tau	New York Eta	South Dakota Alpha
California Psi	North Carolina Alpha	Tennessee Gamma
California Omega	Ohio Alpha	Texas Beta
Colorado Alpha	Ohio Iota	Utah Alpha
District of Columbia Alpha	Ohio Kappa	Utah Gamma
District of Columbia Beta	Ohio Nu	Wyoming Alpha

31 Chapters "re-Membered"

ASSISTANT SECRETARY Roger Hawks presented commendations to these chapters for membership improvements in 2009-10:

Alabama Beta	Georgia Alpha	New Jersey Gamma
Alabama Epsilon	Idaho Gamma	New York Mu
Arizona Beta	Illinois Alpha	New York Tau
California Alpha	Indiana Delta	Ohio Iota
California Delta	Iowa Alpha	Ohio Kappa
California Nu	Kentucky Beta	Ohio Nu
California Tau	Massachusetts Alpha	Oregon Gamma
California Psi	Massachusetts Iota	Pennsylvania Beta
California Omega	New Hampshire Beta	Pennsylvania Kappa
Connecticut Alpha	New Jersey Beta	South Carolina Alpha
		South Carolina Gamma

TBPI Scholarships!

THE TAU BETA PI ASSOCIATION SCHOLARSHIP PROGRAM for senior-year study during the 2011-12 academic year will close March 1, 2011, when applications must be in the possession of Director of Fellowships D. Stephen Pierre Jr., P.E., Alabama Power Company, P.O. Box 2247, Mobile, AL 36652.

Depending on investment earnings, 153 cash awards, each worth \$2,000, will be given in this fantastic program. They will be made on the basis of high scholarship, recommendations, extracurricular activities, and financial need. Only junior members of TBPI who will be full-time, on-campus seniors in 2011-12 are eligible to apply online at www.tbp.org. Winners will be notified in April.

TBPI Special Discount

Members of TBPI may be eligible for an additional discount off their automobile insurance through a new partnership with GEICO.

This special member discount is eight percent in most states and is available to qualified members in 45 states and the District of Columbia. To take advantage of the discount, visit www.tbp.org/pages/ForMembers and select the GEICO link under "Member Benefits."

'11 Spring Conferences

THE DISTRICT PROGRAM provides a vital link between the Association and individual chapters. Each year Directors gather students for regional conferences to provide both retiring and new officers opportunities to discuss chapter operations and to socialize. All chapters are urged to elect new officers before their District conference. New and outgoing officers are encouraged to attend.

DISTRICT	LOCATION	DATE
1	Orono, ME	Apr. 16-17
2	Binghamton, NY	Feb. 12-13
3	Easton, PA	Feb. 11-12
4	Washington, DC	Apr. 16
5	Gainesville, FL	Feb. 26
6	Nashville, TN	Feb. 4-5
7	Grand Rapids, MI	Apr. 2
8	Indianapolis, IN	Apr. 1-2
9	Stillwater, OK	Mar. 5
10	New Orleans, LA	Feb. 19
11	Minneapolis, MN	Apr. 1-2
12	Salt Lake City, UT	Feb. 26
13	El Paso, TX	Mar. 4-5
14	Portland, OR	Apr. 2
15	Reno, NV	Mar. 11-12
16	Santa Barbara, CA	Apr. 30



105th Convention

Outstanding Chapter: California Psi

California Psi at the University of California, San Diego, was named the R.C. Matthews Outstanding Chapter for 2009-10.

The Award Committee recognized that California Psi best demonstrated the goals and values of TBPI over the year with outstanding efforts in activities that benefited their community, institution, and members.

The chapter conducted a total of 42 projects. These included reaching out to students at Florence Elementary School, and tutoring fellow students.

Members take part in a community outreach program, with groups of five Tau Bates going to a local grade school once a week to teach basic science and engineering principles through fun-filled and exciting experiments.

The chapter also offered free tutoring services for all engineering students in lower and upper division classes.

California Psi leaders during the award period were President Christopher D. Lau, Vice President Marcellinus S. Harsono, and Treasurer Tin-Hao Lai. Chief Advisor is Dr. Geoffrey M. Voelker.

Honorable mentions went to **California Alpha** at the University of California, Berkeley, and **Ohio Iota** at Ohio Northern University.



Emi Nakayama, right, President of California Psi, accepts the Outstanding Chapter Award from Award Committee Chair Ken R. Fukumoto, Idaho Gamma, (left) and Vice Chair Joshua J.M. Fegurur, California Upsilon.

Most Improved Chapter: Montana Alpha

The R.H. Nagel Most Improved Chapter Award was established in 1971 to recognize major improvement in chapter development, including project work and reports to Headquarters.

The 2009-10 recipient is **Montana Alpha** at Montana State University. The Award Committee recognized its extensive and increased project activity and membership participation.

Chapter projects ranged from a Bent-polishing barbecue to taking part in Science Saturday, a science and technology outreach program for elementary students. Topics presented by Montana Alpha were nanotechnology, polymers, and the science of music. Members also hosted an Engineering Futures event in conjunction with the school's career fair.

Over three years, the chapter Headquarter-report ratings rose from Group 7 (< 75 percent) to Group 1 (100 percent). It was also commended for punctual Headquarters reports in 2009-10.

Chief Advisor was Dr. Abigail M. Richards, and Advisor was Dr. Hongwei Gao.

Honorable mention went to **Michigan Lambda** at Grand Valley State University.



Montana Alpha President Eric J. Moog is congratulated by Award Committee Chair Ken R. Fukumoto, Idaho Gamma.

105th Convention

30 Chapter Project Awards

Executive Director Jim Froula presented Chapter Project Awards for outstanding performance during 2009-10 to the following 30 chapters:

Ray Thompson, TBIT

CHAPTER / INSTITUTION	NO. PROJECTS	CHAPTER / INSTITUTION	NO. PROJECTS
AL E University of South Alabama • Helped Habitat for Humanity • Worked with MathCounts	20	MN A University of Minnesota–Twin Cities • Collected and sent holiday cards for the troops • Built Kits For Kids	17
CA A University of California, Berkeley • Were ‘Pioneers in Engineering’ • Recognized an outstanding faculty member	68	NM T New Mexico Institute of Mining & Technology • Helped with science fair • Organized activities for children at Socorro Fest	10
CA Δ University of Southern California • Helped local school children Discover E • Carved some pumpkins	10	NY N SUNY at Buffalo • Helped Buffalo Re-Use • Reached out to K-12 students	13
CA E University of California, Los Angeles • Provided mentorship for freshmen • Helped kids build aluminum foil boats	28	NY T Binghamton University • Taught elementary school kids science and math • Helped clean Ross Park zoo	11
CA Ψ University of California, San Diego • Reached out to Florence elementary students • Tutored fellow students	42	OH A Case Western Reserve University • Conducted pi-mile run • Organized annual bookswap for fellow students	23
CO A Colorado School of Mines • Helped children learn about Thomas the Train • Went ‘Into the Streets’ to deliver canned food	33	OH B University of Cincinnati • Held canned food drive • Tutored fellow students	11
DC A Howard University • Cleaned their Bent monument • Held FE review sessions	7	OH Θ University of Dayton • Participated in E-Day • Helped with Christmas on campus	30
FL A University of Florida • Can you say GatorTrax? Project that started MindSET • Helped in pet adoptathon	42	OH I Ohio Northern University • Participated in JETS • Judged at high- and middle-school science fairs	30
FL Γ University of South Florida • Participated in a Gandhi day of service • Built low-cost wheelchairs	43	OH K University of Akron • Helped PB&J program provide food for school kids • Participated in MLK day of service	25
IN Δ Valparaiso University • Reached out to Boone Grove middle school • Held picnic for college of engineering	17	SC A Clemson University • Joined in Engineering & Science week events • Introduced high schoolers through CU Eng’g. 101	19
IA A Iowa State University • Brought 65 high schoolers to ‘Building the Future’ • Adopted a highway	31	SD A South Dakota School of Mines & Technology • Conducted MindSET project • Volunteered at Journey Museum	22
KY A University of Kentucky • Held Mechanalia at high school summer camp • Assisted ‘Circle of Love’ at Christmas	23	TX A University of Texas at Austin • Cleaned Greenbelt Creek • Held Engineering Day at Austin Children’s museum	67
MDB University of Maryland • Conducted bone marrow drive • Helped Habitat for Humanity—on the Gulf coast	30	TX B Texas Tech University • Participated in trebuchet contest • Became Friends of the Library	13
MI Γ University of Michigan • Held fall chore day to assist senior citizens • Conducted project SEED at Angell elementary	97	VT B Norwich University • Hosted brainteaser at E-week • Held Norwich day of service	13
MI E Wayne State University • Worked at Capuchin soup kitchen • Conducted Order of the Engineer ceremony	53	WY A University of Wyoming • Hosted engineering honors banquet for college • Held a blood drive	11

Chapter Development at the 105th Convention

Initiate One More Electee!

This headline should be the goal of every chapter! Growth is the ultimate in chapter development and the place where it all begins. In the *Chapter Development Cycle*, increased membership results in better leaders, increased service, an improved image, and more members, ... and on it goes.

A total of 126 chapters met this goal again last year. That's five more than in the previous year. The Association as a whole averaged not only one more for the year, but actually one more per semester! Alabama Beta outperformed all other chapters by initiating an additional 49 electees! A plaque recognizing this accomplishment was presented after lunch on Friday. Thirty other chapters that excelled in the membership process were recognized after lunch as well.

Chapter officers did a good job of contacting the eligible students and following up! They also took advantage of contacting the parents of the electees with letters from the dean.

Interactive Chapter Exchange sessions are held on Friday at each Convention—and the reason these meetings are so popular lies in the first word: *Interactive*. Trained teams of national officials conducted these ICE sessions using the presentation skills of our Engineering Futures Facilitators. Students shared problems facing all chapters and worked together to develop solutions.

Development had several different faces in Pennsylvania. Convention Chair Ronald M. Hickling and Parliamentarian John R. Luchini, Ph.D., P.E., instructed committee chairs,



ICE groups at Valley Forge exchange views on issues.

vice chairs, and secretaries in the dos and don'ts of parliamentary procedure. These leaders gained valuable experience guiding their teams and presenting reports. Non-voting delegates gained interpersonal, team-building, and meeting-management skills at EF sessions. District Directors gathered delegates in each of the 16 national regions to renew friendships and begin new ones.

Committees met on Thursday and Friday to discuss the business of the Association.

This assembly provided ample opportunity to practice the original *Robert's Rules* as Tau Bates debated the many motions and amendments. An *occasional* point of order was heard echoing for more than a few seconds.

Chapter advisors are priceless assets to all chapters. Advisor attendance set yet another record! Sixty-four chapter mentors traveled to King of Prussia where they met as a committee to decide how they might better serve the Society and their chapters. They also attended ICE sessions alongside their delegates.

The enduring strength of TBP is you, the member. You will carefully elect new members who will then improve and strengthen your chapter. Take time to contact them and let them know of our sincere desire for them to join us. Take time to be certain that they receive the invitations. Help them to understand what it is about TBP that made you join. After initiation, take time to interact with them. You can build an even greater Society. It just takes time.

—Roger E. Hawks, Assistant Secretary-Treasurer



Member Benefits For All Tau Bates

Benefits and useful discounts available to members.

www.tbp.org/pages/underForMembers

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This web link is self-explanatory!

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District Directors

Includes each Director and current contact information.

www.tbp.org/pages/underAboutTBP,People

TBP Collegiate Chapters

Find links to chapters by their associated schools and find their contact information.

www.tbp.org/pages/underChapters,Collegiate

Chapter Website

Find everything your Chapter could need. Also, this page is indispensable for filing your reports.

www.tbp.org/Chapters

Chapter Materials Order

The best place to order electee invitations, posters, honor cords, stoles, castings, and other useful supplies.

www.tbp.org/pages/underChapters,Collegiate

> 9,100,000 hits!

LOG ON AND CHECK OUT THE TAU BETA PI WEBSITE

2011 Fellowships

Tau Beta Pi's 78th annual program of graduate fellowships for study in the 2011-12 academic year will close January 31, 2011, when applications must be in the possession of Director of Fellowships D. Stephen Pierre Jr., P.E.

Up to 17 cash awards will be given, each worth \$10,000, made on the promise of future development in engineering or related fields, and financial need. Winners will be selected by the Fellowship Board and notified in April.

All members of Tau Beta Pi are eligible to apply. Students and alumni may download informational pdf files from www.tbp.org.

Executive Director

The Convention heard the news first that Executive Director Jim Froula plans to retire at the end of the 2011 Convention.

The TBPI Search and Screen Committee is soliciting nominations and applications in confidence. See www.tbp.org for additional information on how to apply for this position.

GIG Grant Dollars

Your chapter could receive up to \$750 to conduct a project involving civic affairs and public policy issues. The cash is available and waiting under TBPI's Greater Interest in Government Program, to involve students in their communities and the political process. Send your chapter's proposal to Headquarters.

New MindSET Grants

Your chapter may receive up to \$1,000 to conduct a project helping to educate local K-12 students in the STEM disciplines.

The money is available to chapters from TBPI's MindSET Program, to involve young students in their communities and develop engineering modules that stress the importance of math and science.

Send your chapter's proposal to Headquarters. Application guidelines are in Section C-VI of the *President's Book* on the website.

Up to 10 grants may be given, and proposals will be considered on a first-come, first-served basis.

[Visit www.tbp.org/mindset]

Important Deadlines

- **January 31** Fellowship Application
- **February 1** Distinguished Alum Nom.
- **March 1** Scholarship Application
- **April 1** Outstanding Advisor, McDonald Mentor, and Laureate Nominations
- **June 1** Convention Bid for 2014
- **None** MindSET Project Proposal

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Alpha '65, Gainesville, FL
Councillor: Jason A. Huggins, P.E., Florida Alpha
'96, Gulf Breeze, FL
Councillor: Norman Pih, Tennessee Alpha '82,
Flagstaff, AZ

Nominate a Laureate!



2010 Laureates
**Christina L. Bonnington, MS B '10; Jaclyn R. Kondratko, IN A '10; Elisabeth Linton, UT Gamma '08. (top);
Travis W. Walker, SD A '08; and Stephanie N. Zastrow, MN A '11, were recognized at Tau Beta Pi's Convention in King of Prussia, PA.**



Exceptional Tau Bates are recognized annually at each Convention for their talents and contributions to society beyond the normal perimeters of engineering. This year, five outstanding students were recognized for accomplishments in athletics, arts, and diverse achievements. They each received a \$2,500 cash prize, a plaque, and national publicity in THE BENT and on the web.

The Tau Beta Pi Laureate Program has been honoring collegiate members since 1982 and has recognized contributions of Tau Bates in the arts, athletics, diverse achievements, and service. Chapters select nominees from their members; information on how to proceed is found in the *President's Book* (pp. C-29 & 30) and on the web at tbp.org/chapters.

If an extraordinary member in your chapter qualifies, submit a nomination package in digital format to Headquarters by April 1—to the attention of Secretary Treasurer Froula.

Alumnus, Association, & Student News

USA Science & Engineering Festival

Tau Beta Pi was a proud official partner and booth host at the inaugural USA Science & Engineering Festival held in the Washington, DC, area on October 23-24, 2010.

The event, which was the country's first national science festival, hosted booth activities from more than 500 of the country's leading engineering and science organizations, aiming to re-ignite the interest of our nation's youth in the sciences.



The culmination of the festival was the two-day Expo on the National Mall. Estimates are that 500,000 people attended the event. Tau Beta Pi volunteers from District of Columbia Alpha, Maryland Beta, and Maryland Delta interacted and taught the hands-on MindSET module activity at the booth. A full report and pictures from the weekend are available on the website.

Student Spotlight

Football playing Tau Bates from two institutions were named as recipients of the 2010 National Football Foundation & College Hall of Fame national scholar athlete awards—Isaac U. Odum, *MN B '11*, senior running back at the University of Minnesota, Duluth, majoring in mechanical engineering, and Travis A. Nissley, *PA H '11*, senior linebacker at Bucknell University and a mechanical engineering major. The honor makes both eligible for the William V. Campbell trophy, recognizing the top scholar-athlete in the country.

District of Columbia Alpha Chapter members at Howard University have volunteered their time and efforts to restoring the boundary stones that mark the District of Columbia. The stones are the oldest federal monuments in the United States, dating to 1791.

Soccer student-athletes from Rensselaer Polytechnic Institute and Worcester Polytechnic Institute have been named to their respective 2010 ESPN academic all-district teams. Bradley J. Shelofsky, *NY I '11*, mechanical engineering and team captain; Paul J. Moan, *MA A '11*, civil engineering and fire protection; and Keeon Tabrizi, *MA A '11*, Cataloger and biomedical engineering and pre-medicine, were recognized.

Alumnus Chapters

Spread the word, an alumnus chapter wants you! There are currently 18 active Tau Beta Pi alumnus chapters across the country. Interest and plans are in place for chapters in Grand Rapids, MI; Houston, TX; New Orleans; Upper New England; and more. Find out how you can become involved with Tau Beta Pi programs, such as AlumNet, Engineering Futures, and MindSET. Contact information can be found at www.tbp.org or on TBPCONNECT.

Alumnus Spotlight

Aron L. Ralston, *Pennsylvania Gamma '97*, is the subject of a feature film, *127 Hours*, released in November 2010. The story is based on Ralston's experience of self-amputating his right arm while canyoneering in Utah in 2003.

Maj. Gen. Timothy A. Byers, *Kentucky Alpha '81*, has been recognized by the U.S. Air Force for the installation and support of energy awareness and energy planning at 166 bases worldwide. Serving as the Air Force civil engineer, headquarters, General Byers is also responsible for the new theme, "Think Green, Build Green, Fly Blue."

Maryland's state highway administration is celebrating Earle S. Freedman, *Maryland Beta '50*, as the state's longest-tenured employee. As director of the office of bridge management, Freedman is "nationally recognized as one of the foremost bridge engineers in the country." In his 60th year of employment with SHA, he has no plans to retire.

Werner J.A. Dahm, Ph.D., *Alabama Delta '73*, has joined the faculty at Arizona State University and "will help establish an institute dedicated to finding solutions to national and global challenges." Most recently he served as the chief scientist for the U.S. Air Force and is set to receive the exceptional service award, the highest civilian recognition bestowed by the Air Force.

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- **TBP Job Board**—post a résumé online and browse through hundreds of engineering jobs at top companies.