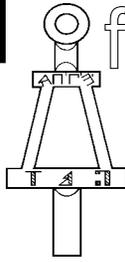


The BULLETIN of Tau Beta Pi

to provide information to the collegiate chapters

December 1999



1999 Madison Convention

THE 94th Convention of Tau Beta Pi was held October 7-9, 1999, in Madison, WI. The Wisconsin Alpha Chapter at the University of Wisconsin-Madison was official host. This year marked the chapter's 100th anniversary. The hundreds of out-of-town attendees were housed at the Madison Concourse Hotel, where the business meetings were held and all meals were served. The model initiation was conducted in Mills Music Hall in the Humanities Building on the UWM campus.

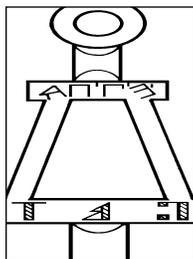
A total of 453 members of Tau Beta Pi participated in the business of the Convention, the fourth-highest number in history. Of these, 349 were student voting and nonvoting delegates and host-chapter members; 29 were chapter advisors; 60 were national officials and Engineering Futures Facilitators of the Society; one was an emcee; three were alumnus chapter representatives; and 11 were Laureates and alumnus visitors. The attendees represented 209 collegiate chapters and three alumnus chapters. Most of the chapter advisors attended at the special invitation and partial expense of the national organization. Additionally, at least 17 nonmember consultants and guests attended some events.

Arrangements Chair Catherine C. Jehring, *WI A '99*, guided preparations for the Convention and its logistics. Together with Wisconsin Alpha President Rachel M. Clark, *WI A '00*, Kate and Assistant Arrangements Chair Jason E. Robinson, *WI A '00*, managed a hard-working group of effective host-committee chairs for such duties as housing, transportation, registration, meals, souvenirs, technology, hospitality, tours, and publicity.

Weather conditions in Wisconsin and most of the rest of the nation were excellent.



Rachel M. Clark
WI A President



Dr. Paul S. Peercy
Dean, College of Eng.'g.



Catherine C. Jehring
Arrangements Chair

Several visitors who arrived early found time to enjoy the nearby Manona Terrace designed by Frank Lloyd Wright between 1938 and 1959 and completed in 1997.

The initiation and awards banquet was held in the Madison Ballroom of the hotel. The program included the announcement of Tau Beta Pi's 1999 National Outstanding

Advisor, the 1999 Laureates, two members recognized for their outstanding diverse achievements beyond their technical majors, and the inaugural winner of the Tau Beta Pi Distinguished Alumnus Award. Biographical sketches of Advisor E.R. Fowler, *KS Γ '57*, and Laureates Tracey C. Ho, *MA B '99*, and Rikke U. Pedersen, *AZ Γ '99*, appeared in the Fall 1999 BENT. The citation for Distinguished Alumnus Robert T. Herres, *OHH '60*, will be featured in the Winter 2000 BENT.

The Convention formally opened Thursday afternoon with the President's report by Tau Beta Pi President Douglas M. Green. Activities closed with visits to various entertainment spots on State Street on Saturday night.

Four Convention business meetings were held, starting on Thursday when President Green officially opened the session. He later turned the gavel over to Ronald M. Hickling, *CAE '80*, the Executive Council-appointed permanent chair, for the duration of the Convention. The final business meeting came during the banquet on Saturday, when national and chapter awards were announced and the final report of the Resolutions Committee was heard.

Friday and Saturday were filled with business, committee, advisor, District, and Engineering Futures meetings, interactive chapter exchanges, and the model initiation.

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 valuable benefits of the Convention because they provide delegates with opportunities to exchange good ideas with other Tau Bates from all regions of the country. On Saturday afternoon



Ronald M. Hickling, CA E '80, Convention Chair



Dr. Sangtae Kim, CA B '79, VP Parke Davis, MC

\$10,000 for M.B.A. @ RPI

Through the interest and generosity of the Best family, a trust fund in memory of Ina C. and Raymond A. Best, NY Γ '33, was established to earn income for the purposes of granting fellowships to graduate engineers who are Tau Bates. The award is to be used exclusively for the purpose of studying business administration at Rensselaer Polytechnic Institute and for acquiring a master's degree in business.

Appropriate data must be provided on the 2000-2001 Tau Beta Pi Fellowship application form and mailed to the Director of Fellowships by January 15, 2000. The stipend is \$10,000, payable in 10 monthly installments starting in August 2000. Tau Bates who are interested in earning an M.B.A. at RPI are encouraged to apply.

2000 District Conferences

The District Program provides a vital link between the national organization and individual chapters. Each year the 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 strongly urged to attend. The 2000 schedule is:

Dist.	Location	Date
1	Boston, MA	April 8
2	Binghamton, NY	Feb. 26
3	Pittsburgh, PA	Feb. 19
4	Blacksburg, VA	April 8
5	Tallahassee, FL	April 1
6	Tuscaloosa, AL	Feb. 26
7	Cincinnati, OH	April 1
8	Evanston, IL	April 1
9	Norman, OK	Feb. 26
10	Austin, TX	Feb. 19
11	Minneapolis, MN	April 8
12-W	Idaho Falls, ID	March 25
12-E	Colorado Springs, CO	April 8
13	Las Cruces, NM	April 15
14	Portland, OR	April 1
15	Sacramento, CA	April 29
16	Las Vegas, NV	April 29

an excellent model initiation was conducted by a team of national officers and Rituals Committee members. The ceremony brought 29 student members and one eminent engineer of Wisconsin Alpha and four student members of Colorado Zeta into the Association.

The attendees saw new Tau Beta Pi image materials and promotional literature (including posters and brochures).

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 two *ad hoc* groups were also appointed.

Every collegiate-chapter voting delegate served on a committee, and a national officer advisor opened each group's first meeting on Thursday afternoon and then stood by with other national officials for consultation. Each 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.

Constitution and Bylaws. Andrew T. Redalen, MO A, Chair.



One topic had been referred to the committee for study and recommendation prior to the meeting, and a proposal to modify the creed was assumed on site. First, the Convention adopted, by the required three-fourths

favorable vote, an amendment to Constitution Art. XVII, Sec. 3, to change the time limit for chapter actions and votes to April 1; final approval of this change is subject to chapter ratification. Finally, after a spirited discussion, no change was made to the creed.

Chapter & National Financial Affairs. Arturo I. Ortiz de Zevallos, FL B, Chair.



The group had been given the 1998-99 reports of the Association's auditor and the Secretary-Treasurer, the executive summary of the report of the 1993-98 Financial Review Committee, and the Society's budget for 1999-2000. The committee reviewed them and concluded that Tau Beta Pi's finances are strong, well managed, and in order; it made five recommendations to the Executive Council on financial policy, fund-raising, accounting, reporting, and staffing. The committee recommended and the Convention adopted specific allowable Convention expenses beyond those specified in the Bylaws for delegates to the 2000 meeting. The

group recommended, and the Convention agreed, to continue the existing policy on the reimbursement of child-care expenses of voting delegates.

The group recommended, and the Convention decided, to reimburse 20% of the cost of a coach/super-saver airline ticket purchased by the travel-plan deadline for one non-voting delegate per chapter for future Conventions, up to \$200 reimbursement. It finally recommended that the 2000 Convention review a proposal to pay the on-site Convention expenses of either an advisor or nonvoting delegate of each collegiate chapter.

Rituals. Thomas E. Robey, PA A, Chair.



The team presented \$500 scholarships to Michigan Theta and Ohio Beta, winners of a competition to acquire innovative designs for a change in the equipment controls. The Convention also approved three minor changes in the Ritual regarding initiation of Sigma Tau members, history of the Women's Badge, and revised language to minimize situations in which students decline initiation.

On Saturday afternoon, the delegates were impressed by the model initiation ceremony for the 34 candidates, which the committee helped to organize.

Convention Site. Catherine M. Kobus, MI Γ , Chair.



The group reviewed invitations from Michigan Epsilon, Texas Beta, and Florida Alpha/Delta to host the 2002 Convention. The Convention happily accepted the invitation to hold the national meeting in Detroit, MI, and encouraged the other two bids to be resubmitted next year.

Awards. Lee C. Peterson, NY B, Chair.



The committee spent long hours in Madison evaluating the chapters and selecting the 1998-99 R.C. Matthews Outstanding Chapter and R.H. Nagel Most Improved Chapter and honorable mentions. The winners are reported elsewhere in this issue, and special plaques for the awardees were delivered to them after the Convention. The group considered and rejected a proposal to replace the Committee on Awards with two committees.

Standard of Excellence Award (*ad hoc*).
Yasmine S. Srouji, PA B, Chair.



The team evaluated the two nominees and selected the Tau Beta Pi 1999 Distinguished Alumnus, who is reported on page 8. The committee also extended the trial period for another three years of the renamed Tau Beta

Pi Distinguished Alumnus Award Program (formerly the Standard of Excellence Award Program), modified the basis for nomination and selection, and enhanced the publicity for the program.

International Chapters (*ad hoc*). Ellen D. Styles, District 6 Director, Chair.



The group spent many hours evaluating the issues expected to arise when an international institution petitions for a chapter and referred that topic to a task force for further study and to report to the 2000 Convention.

Resolutions. William G. Barnes, IL E, Chair.



This group prepared the appropriate resolutions for Convention adoption. At the final banquet, Mr. Barnes presented resolutions of thanks to the host chapter, national officials, alumni, and others whose support had

been gratefully received by the Association. Preceded by a humorous skit, the final resolution provided an inspirational charge to all delegates, as follows:

This Convention is impossible without the support of generous corporate and private sponsors. Special thanks to them for partnering with us to recognize those students and engineers who meet the highest standards of quality and excellence.

To the students who have taken time out of your schedules to attend this conference: Thank you! Your work over the past three days is the heart of the student-run organization.

We hope that many of the new ideas we shared over these three days, and the actions of the various committees, make running local chapters an easier, more rewarding experience. More importantly, we hope that your new-found friendships will withstand the pressures of time and distance and prove to be a continuous source of ideas and encouragement for years to come.

It is our responsibility not to allow all that

we have learned at this, the 94th Convention, to be forgotten. Rather, it is our duty as delegates to bring the knowledge and insights that we have gained back to the chapter officers, members, and initiates.

We greatly appreciate the time, dedication, and personal sacrifice that everyone has made to attend this well-run and productive Convention. Thanks once again to the Wisconsin Alpha Chapter, and on behalf of the Resolutions Committee, thanks to all of you!

New Business:

In this brief session, delegates recommended that:

- The Executive Council consider an electronic audience-response system for the 2000 Convention;
- The Council consider a national project to locate and initiate the remaining holders of the Women's Badge;
- That Const. Art. XIX, Sec. 3, be amended to include the new method by which Sigma Tau members may become members of Tau Beta Pi and that the 2000 Convention Committee on Constitution and Bylaws review the desirability and the necessity of the election of wearers of the Women's Badge;
- The Council appoint an *ad hoc* Image Review Committee for the 2000 Convention to establish an appropriate means of determining the effectiveness of the new image materials presented at the 1999 Convention in order to give the chapters more control over the future image of Tau Beta Pi; it would determine variables by which the effectiveness of image materials could be measured and would set a date by which it must reconvene in order to measure the effectiveness of the materials using those variables; the date shall be one-to-five years after the adjournment of the 2000 Convention; the committee should also consider amending the creed, because the image of the Society is partially dependent upon its wording;

- The new image materials require more evaluation and change because they do not fulfill the needs and stated goals of Tau Beta Pi in such areas as minimizing the perception of elitism and promoting the image of an open, service-oriented chapter; that a student panel comprised of interested local chapter members be appointed to work with the Council during this year to further clarify chapter needs and response and nonmember opinions of the materials; and that this Convention is not the proper venue for detailed discussion of these materials, which can be changed to reflect chapter needs;

- The Council appoint an *ad-hoc* committee to review the issue of separating chapters for consideration for awards, as other organizations have done for small and large chapter divisions, based on the number of members;

- The Council consider the establishment of an Outstanding District Award; and

- The Council determine if the new logo meets the scaling requirements of Const. Art. I.



Councillor Catherine P. Rice introduces the new logo.

1999 Convention Contributors

The Association gratefully acknowledges the following contributors and individual who supported the 1999 Tau Beta Pi Convention:

Bechtel Jacobs Co., LLC
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Lockheed Martin
Mitchell Energy & Development Corp.
Procter & Gamble Paper Products Co.
Pratt & Whitney
S.C. Johnson Wax
Southwestern Bell
The Whiting-Turner Contracting Co.

2000 Scholarship Program

The Tau Beta Pi Scholarship Program for senior-year study during the 2000-01 academic year will close January 15, 2000, when applications must be in the hands of Director of Fellowships D. Stephen Pierre Jr., P.E., Alabama Power Company, P.O. Box 2247, Mobile, AL 36652-2247.

Eleven cash awards, each worth \$2,000 and named for Robert H. Nagel, Vincent A. Stabile, Elsa and Peter Soderberg, or Charles R. Dodson, will be given. They will be made on the basis of high scholarship, strong recommendations, extracurricular activities, and financial need. Winners will be selected by the Fellowship Board and notified before April 1.

The Convention photographs in this issue were taken by Gary Cook.

\$14,000 in Scholarships Given to 25

Twenty-five chapters, each of which had won Secretary's Commendations and/or Chapter Project Awards for three consecutive years, won \$500 or \$1,000 scholarships.

Chapter	School	1998-99 President(s)
Alabama Beta	Univ. of Alabama	Chad M. Killeen & Kristin M. Marczak
Colorado Alpha	Colorado School of Mines	Daniel D. Matlock
DC Alpha	Howard Univ.	Leah R. Patterson
Florida Alpha	Univ. of Florida	Carter G. Reue & Matthew J. Eadens
Iowa Alpha (\$1,000)	Iowa State Univ.	William T. Pollock & J. Mark Meacham
Maryland Beta	Univ. of Maryland	R. Brian DiAngelo
Michigan Epsilon	Wayne State Univ.	Colleen L. Hill
Michigan Theta	Oakland Univ.	Andrea L. Messer & Jennifer M. Headley
Minnesota Alpha	Univ. of Minnesota-Twin Cities	Mark R. Frederiksen
New Hampshire Alpha	Univ. of New Hampshire	Andrea N. Dozet
New Mexico Alpha	New Mexico State Univ.	Amy M. Reyner
New York Kappa (\$1,000)	Univ. of Rochester	Aaron S. Master
New York Omicron	SUNY at Stony Brook	Daniel Fong
New York Tau	SUNY at Binghamton	Patrick C. Shaw
Ohio Theta (\$1,000)	Univ. of Dayton	Daniel G. Poole
Ohio Iota	Ohio Northern Univ.	Keith G. Bornhorst
Oregon Beta	Portland State Univ.	Daniel Bockelman
Pennsylvania Theta	Villanova Univ.	Rosalie A. Ragucci & Joseph P. Valentino
South Dakota Alpha	SD School of Mines & Tech.	Jeromy C. Johnson
Tennessee Alpha	Univ. of Tennessee, Knoxville	Sjon-Paul L. Conyer
Tennessee Gamma	Tennessee Tech. Univ.	Brian D. McCloud
Texas Iota	Southern Methodist Univ.	Doanh K. Luong
Vermont Beta	Norwich Univ.	Suzanne P. Beede
Wisconsin Alpha	Univ. of Wisconsin-Madison	Ethan A. Treptow
Wisconsin Delta	Milwaukee School of Engineering	Bruce F. Beiffuss

Two G.I.G. Grants

Two chapters were awarded 1999 Tau Beta Pi Greater Interest in Government Grants by the Executive Council and were recognized at the Convention for original and innovative engineering-service projects promoting a greater appreciation for the role of engineering in society. Winning projects are also selected on the bases of originality and innovation. Councillor George D. Peterson presented plaques during the awards banquet.

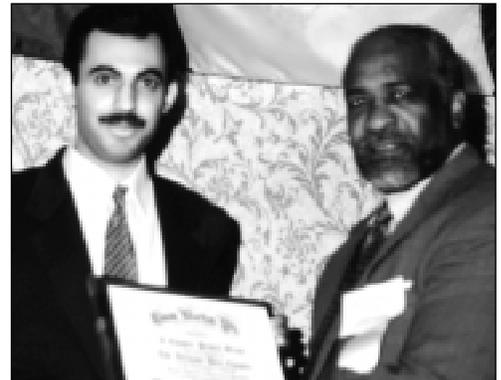


Iowa Alpha was given \$660 for its engineering outreach project. President and Convention delegate J. Mark Meacham received the award in Madison, WI, on October 9.

35 Chapters Praised for Projects

At the Friday Convention dinner, Secretary-Treasurer Jim Froula recognized 35 chapters for their outstanding project activity in 1998-99.

Chapter	School	Chapter	School
Alaska Alpha	Univ. of Alaska Fairbanks	Minnesota Alpha	Univ. of Minnesota-Twin Cities
California Alpha	Univ. of Calif., Berkeley	New York Kappa	Univ. of Rochester
California Chi	Calif. State Univ., Fullerton	New York Tau	SUNY at Binghamton
California Psi	Univ. of Calif., San Diego	Ohio Beta	Univ. of Cincinnati
DC Alpha	Howard Univ.	Ohio Gamma	Ohio State Univ.
DC Gamma	George Washington Univ.	Ohio Iota	Ohio Northern Univ.
Florida Alpha	Univ. of Florida	Ohio Kappa	Univ. of Akron
Florida Beta	Univ. of Miami	Pennsylvania Alpha	Lehigh Univ.
Florida Gamma	Univ. of South Florida	Pennsylvania Epsilon	Lafayette College
Florida Delta	Univ. of Central Florida	South Dakota Alpha	SD School of Mines & Tech.
Florida Theta	Florida International Univ.	Texas Alpha	Univ. of Texas at Austin
Indiana Alpha	Purdue Univ.	Vermont Beta	Norwich Univ.
Iowa Alpha	Iowa State Univ.	Virginia Beta	VA Poly. Inst. & State Univ.
Louisiana Epsilon	Univ. of New Orleans	Washington Delta	Gonzaga Univ.
Maryland Beta	Univ. of Maryland	Wisconsin Alpha	Univ. of Wisconsin-Madison
Michigan Gamma	Univ. of Michigan	Wisconsin Delta	Milwaukee School of Engineering
Michigan Epsilon	Northeastern Univ.	Wyoming Alpha	Univ. of Wyoming
Michigan Theta	Oakland Univ.		



Vermont Beta received \$750 for an engineering robotics project. David B. Khatami, 1999 chapter President and delegate, accepted the award from Dr. Peterson.

As much as \$750 may be awarded for a single GIG project. To date, 47 grants totaling \$32,280 have been made to 25 chapters. Send your 2000 GIG proposals to Secretary-Treasurer J.D. Froula in Knoxville, TN, any time before May 31.

Secretary Commends 81 Chapters

Secretary-Treasurer Jim Froula presented commendations for perfect and punctual headquarters reports in 1998-99 to the following chapters:

Alabama Beta	Illinois Epsilon	New York Delta	South Carolina Beta
Alabama Delta	Indiana Gamma	New York Theta	South Carolina Gamma
Arkansas Alpha	Iowa Alpha	New York Kappa	South Dakota Alpha
California Alpha	Kansas Gamma	New York Omicron	Tennessee Alpha
California Epsilon	Louisiana Gamma	New York Pi	Tennessee Gamma
California Zeta	Maryland Alpha	New York Sigma	Tennessee Epsilon
California Theta	Maryland Beta	New York Tau	Texas Alpha
California Mu	Massachusetts Eta	North Dakota Alpha	Texas Epsilon
California Nu	Michigan Alpha	Ohio Alpha	Texas Iota
California Omicron	Michigan Beta	Ohio Gamma	Utah Gamma
Colorado Alpha	Michigan Epsilon	Ohio Eta	Vermont Beta
Colorado Delta	Michigan Theta	Ohio Theta	Virginia Beta
Connecticut Gamma	Minnesota Alpha	Ohio Iota	Washington Gamma
DC Alpha	Minnesota Beta	Ohio Kappa	Wisconsin Alpha
Florida Alpha	Mississippi Alpha	Oregon Alpha	Wisconsin Beta
Florida Gamma	Missouri Alpha (Col.)	Oregon Beta	Wisconsin Delta
Florida Theta	Missouri Gamma	Pennsylvania Alpha	Wisconsin Epsilon
Georgia Alpha	Nevada Alpha	Pennsylvania Gamma	Wyoming Alpha
Georgia Beta	New Hampshire Alpha	Pennsylvania Zeta	
Illinois Alpha	New Mexico Alpha	Pennsylvania Theta	
Illinois Gamma	New Mexico Gamma	Pennsylvania Lambda	

Educational Loan Fund

Since 1935, Tau Beta Pi has aided student members with their financial needs while in school, or with payment of their initiation fees, through our Student Loan Fund. We are pleased to offer this service for student members in amounts up to \$2,500 per member.

Repayment is required after three years, and a simple interest rate of 6% is charged from the day the loan is received.

Tau Beta Pi Annual Awards

Michigan Epsilon Most Outstanding Chapter

MICHIGAN EPSILON at Wayne State University in Detroit was designated the R.C. Matthews Outstanding Chapter for 1998-99. Named for Tau Beta Pi's first Secretary-Treasurer, the award recognizes chapters for four areas of excellence: (1) quality, variety, and number of projects; (2) chapter organization; (3) promptness and quality of reports to headquarters; and (4) number of members participating.

Installed in 1929 and with a current membership of 65, the chapter initiated 40 new members this past year, one of the largest classes in years. With the increased membership, nearly 20 new projects were created, and the chapter enjoyed 95 percent participation. The more than 50 projects benefited the chapter, new initiates, the college, and the community. One successful fundraiser was the Tau Beta Pi Store, which was easier to operate with the additional members. Members redesigned the chapter office showcase and web page and attended District 7 conferences and Engineering Futures sessions. They assisted other students by offering tutoring and proctoring time and holding a luncheon for underclassmen to meet the various department chairs and to introduce them to Tau Beta Pi. The community was served; Tau Bates worked in a soup kitchen, collected food, and supported a festival of the arts.

The successful chapter was led during the year by two teams of officers, including: President Colleen L. Hill, Vice Presidents Denise M. Rizzo and Noy E. Guerra, Recording Secretary Dawn K. Isabel, Corresponding Secretary Natalie J. Griffith, Treasurers Noy E. Guerra and Gregory T. Schroeder, Catalogers Vera A. Blake and Curtis D. Gomulinski. Professor James H. McMicking, *MI E '53*, serves as Chief Advisor.

Honorable Mentions went to **Ohio Gamma** at Ohio State University in Columbus, **Ohio Iota** at Ohio Northern University in Ada, and **Vermont Beta** at Norwich University. The 187 active members of Ohio Gamma were led last year by President John S. Fisher and Vice President Jennifer A. Morris. Ohio Iota President Keith G.



Awards Committee Chair Lee C. Peterson (NY B) (right) congratulates President Curtis D. Gomulinski of Michigan Epsilon, the 1999 Outstanding Chapter.

Bornhorst and Vice President Andrew J. Blankenship led the small chapter of 25 active members in as many projects during the academic year, many enhancing the chapter and serving the college and community. Vermont Beta, with only 10 members, enjoyed 100 percent participation and took part in Tau Beta Pi's Engineering Futures, G.I.G., and District Programs. Activities for the year were spearheaded by President Suzanne P. Beede and Vice President Henri M. Akouka.

R.H. Nagel Award to Florida Beta

FLORIDA BETA at the University of Miami earned the 1999 R.H. Nagel Award as the Most Improved Chapter. Under the presidential leadership of Grace W.-Y. Ng, the small chapter expanded its membership from nine in 1997 to 34 in 1998 and increased the number of projects from a dozen to 40. An enjoyable project instituted during E-Week was an egg-launch competition. Student of the month, Bent polishing, Engineering Futures seminars, and service projects enabled members to know each other better. Other leaders were Vice President Manuel Carballea, Recording and Corresponding Secretary Derek Fisher, Treasurer Chiyang Ng, and Cataloger Tzeyu Ng. Prof. Reuven Lask serves as Chief Advisor.

Honorable mentions went to **District of Columbia Gamma** at George Washington University and **Louisiana Gamma** at Louisiana Tech University. The members of **DC Gamma**, under the leadership of Kristy L. McDonnell, focused on career guidance and created a résumé book for their 14 graduating seniors. The 40-member **Louisiana Gamma** Chapter, led by Solana Christiansen, conducted 18 projects during the year, including creating a chapter bulletin board and notebook, test reviews, and participating in Engineering Futures, Engineer's Day, and the District conference.



Awards Committee Vice Chair Karla R. Thomas (MS B) presents the 1999 R.H. Nagel Award to Florida Beta Delegate Arturo Ortiz de Zavallos.

National Outstanding Advisor Engineering Futures: Managing Growth



President D.M. Green (left) presents the 1999 award plaque to Kansas Gamma Advisor Eddie R. Fowler, KS Γ '57.

The 1998-99 academic year was another great one for the Tau Beta Pi Engineering Futures Program. Students had fun learning the leadership skills at the 199 Engineering Futures sessions that were presented. We have had 59 requests for sessions as of November 1, 1999. This year is destined to shatter last year's record total of sessions. The planning board realizes this growth trend is challenging and would like to help simplify the process of hosting a session.

To meet the increasing need for chapter coordination and advisement, the lead facilitator program was developed. The lead facilitator's major responsibilities are to be the point of contact in his/her assigned District and to share the importance and value of the materials covered in the EF Program. Lead facilitators aim to build a relationship to encourage chapters to host sessions by ensuring that all chapters are contacted at least once a semester. The lead facilitator can answer questions about the four EF modules, hosting requirements, and scheduling. Several volunteers will be lead facilitators for the Districts below.

The seventh Tau Beta Pi National Outstanding Advisor will be named at the 2000 Convention. The award, which includes a plaque, \$1,000 to the winner, and \$1,000 in the name of the winner to the dean's discretionary fund, exists to recognize outstanding performance by a chapter advisor.

Chapters may recommend one mentor for the award based upon his or her contributions. A nominating committee from the chapter, excluding but in consultation with the advisor-nominee, should prepare the nomination material and send it to the Secretary-Treasurer by March 21. The following material should be sent in triplicate (please refer to the President's Book, pp. C-31):

- (1) A letter of nomination from the chapter, which specifies the manner in which the nominee has fulfilled, with sustained excellence (for a minimum of three years), the role of advisor, consistent with the mission of Tau Beta Pi. The letter must be signed by each member of the Advisory Board, excepting the nominee.
- (2) A letter from the dean of engineering, supporting the nomination and addressing the closeness of the interaction of the advisor-nominee with the administration, on behalf of the chapter.
- (3) A letter from a District Director, supporting the nomination and addressing the closeness of the interaction of the advisor-nominee with the District Program.
- (4) A one- to three-page description of the contributions of the nominee to the chapter. This should address the manner in which the nominee fulfills the advisor position in support of the mission of Tau Beta Pi.
- (5) A résumé of the nominee, not to exceed three pages.

1. Dennis Tyner dtyner@norwich.edu
2. Annette Brenner brenneram@aol.com
3. Solange Dao
dao.engineering.inc@worldnet.att.net
4. Matt Ohland ohland@ce.ufl.edu
5. Russ Pierce russp@yourlink.net
6. Gary Keylon
gary.keylon@fnc.fujitsu.com
7. Lisa Rine l_rine@execpc.com
8. Adam Cohen adam.cohen@anl.gov
9. Dennis Tyner dtyner@norwich.edu
10. Mike Raschke mrashcke@swri.edu
11. Jason Schneider rg39823@deere.com
12. Larry Simonson
simonson@silver.sdsmt.edu
13. Norman Pih npih@wlgore.com
14. Jason Huggins
jahuggins@armstrong.com
15. Alison Hu
thehu@alumni.stanford.org
16. Alison Hu
thehu@alumni.stanford.org

Nominate a 2000 Laureate

Headquarters: Jennifer Capps
jennifer@tbp.org

Tau Beta Pi inaugurated the Laureate Program in 1981 to honor those student members who have demonstrated exceptional talent outside the field of engineering.

Look among your members for an outstanding student. Chapters may nominate one or more members as a Laureate based upon their contributions in arts, athletics, service, or diverse achievements. Laureates each receive a \$2,500 cash award, recognition at the Convention, and publicity in THE BENT.

A chapter nominating committee, excluding but in consultation with the candidate, should assemble the nomination package and send it to the Secretary-Treasurer by March 15. Appropriate materials should be sent in triplicate (please refer to the President's Book, pp. C-29 & 30).

If you need additional information about the EF Program or how to host a session at your school, please contact the appropriate lead facilitator or continue to ask Headquarters. Tau Beta Pi looks forward to helping your chapters continue to grow and learn valuable leadership skills as the EF volunteers strive for another great year of working with and serving you!

Solange Dao
EF Publicity Chair

Chapter Development in Wisconsin

In the Mood In America's Dairyland

BEING IN DAIRY COUNTRY helped to put everyone attending the Convention in the proper "moo"d. (Sorry, but I just couldn't resist.) There were new friends to meet, journeys to discuss with someone who has traveled the path before, Tinker-Toy® towers to construct, and decisions to make about the future of Tau Beta Pi. While some became committee leaders, others caught the flow of Robert's Rules. Chapters flourish when students and advisors return home with new ideas and enthusiasm.

The festivities opened with Convention Chair Ron Hickling and Parliamentarian Steve Pierre guiding delegates through the proper techniques of basic parliamentary procedure. These basics of *Robert's Rules of Order* provided techniques necessary for survival in the business meetings that would follow. After being understood and properly used, these guides helped the meetings to proceed in an orderly fashion. Chapter presidents were well served to study and apply this knowledge on their campuses.

After the first business meeting, committees selected student leaders to serve as chairs, vice chairs, and secretaries. Valuable experience was gained while guiding their teams and presenting reports before the entire body. Non-voting delegates built important interpersonal, team-building, and meeting-management skills at Engineering Futures sessions. Newly appointed Facilitators gained valuable training at these sessions as well. District meetings followed, allowing old friendships to be renewed and new ones begun as the bonds among chapters grew stronger. District Directors provided valuable guidance for their delegates, drawing from their own experiences as they provided a vital link between individual chapters and the national organization.

The first opportunity to practice Robert's Rules arrived with Friday morning's business meeting. Motions were called and amended, points of inquiry were made, and questions were called as devoted delegates debated the issues before them.

At lunch, chapter development moved to the fore. A record total of 35 chapters with outstanding project activity received Project Awards as recognition for work well done. Their service to school, community, and the profession generated many ideas for officers to carry back and implement. A record



ICE meetings provided an opportunity to "circle the wagons" and work solutions.

total of 81 chapters received Secretary's Commendations for timely and properly completed reporting. Twenty-four chapters won Chapter Performance Scholarships totaling \$13,500 because they had been recognized for three consecutive years.

The ever-popular Interactive Chapter Exchanges (ICE) provided opportunities for all to brainstorm solutions to shared problems. The sessions were guided by teams of District Directors and Engineering Futures Facilitators. Assistant Secretary Roger Hawks set the tone for the exchanges with his entertaining slide show and rapid-fire review of the membership process. Interactive Chapter Exchanges have greatly helped many chapters to improve operations by providing the participants with novel and useful ideas.

On Saturday, the third business meeting generated the usually high level of debate as students honed their Robert's Rules skills. Final reports and concluding arguments helped them to reach their decisions. Everyone departed with a new appreciation for the proper way to conduct a large meeting.

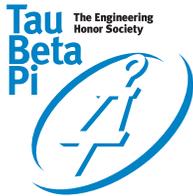
After lunch, members travelled to cam-

pus to view the initiation of Wisconsin Alpha and Colorado Zeta candidates. Newly appointed Dean of Engineering Paul S. Peercy joined Tau Beta Pi as an Eminent Engineer. After extended serious practice, Director of Rituals Alan Hirsch and the Rituals Committee demonstrated how the ceremony should be conducted.

Advisors play an important role in chapter development. In addition to this role, advisors served on the International Chapter Committee. President Doug Green conducted special sessions for these mentors, who were filled with renewed enthusiasm to continue their important function. Dr. Eddie R. Fowler, 1999 National Outstanding Advisor of Kansas Gamma, was recognized at the Awards Banquet on Saturday night.

As always, the Convention provided numerous opportunities packed into the busy hours. Each student, advisor, alumnus, and national official gained something valuable before braving the airways for the trip home. They were tired, but filled with the satisfaction of a job well done.

R.E.H.



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2000 Fellowship Program

Tau Beta Pi's 67th annual program of graduate fellowships for study in the 2000-01 academic year will close January 15, 2000, when applications must be in the hands of Director of Fellowships D. Stephen Pierre Jr., P.E., Alabama Power Company, P.O. Box 2247, Mobile, AL 36652-2247.

Up to 20 cash awards will be given in this program, each worth \$10,000. They will be made on the basis of promise of future development in engineering or related fields and financial need. Winners in the program will be selected by the Fellowship Board and notified before April 1.

Gen. Herres is 1999 Distinguished Alumnus

Tau Beta Pi's 1999 Distinguished Alumnus is Gen. Robert T. Herres, *Ohio Eta '60*, USAF (Ret.), chairman and CEO of USAA in San Antonio, TX. The Distinguished Alumnus Award recognizes members who have continued *to live up to the ideals of Tau Beta Pi as stated in our Eligibility Code and to foster a spirit of liberal culture throughout their lives after their college years*. These alumni serve as examples of excellence and leadership in character and liberal culture to collegiate members so as to influence their professional careers and personal lives.

Honored alumni have made exceptional efforts to demonstrate our ideals and to foster a spirit of liberal culture on local, national, and international scales. They have demonstrated integrity, breadth of interest, adaptability, and unselfish activity.

The citation that accompanied Gen. Herres' nomination outlines his many accomplishments. His multifaceted service to the United States of America reflects his professionalism, technical skill, innovative leadership, and ceaseless effort to achieve excellence. He built upon his engineering education foundation to excel in various operational, engineering, command, and executive positions within the Air Force, private industry, and community organizations. Gen. Herres' military duties included assignments in fighter-interceptors, technical intelligence, flight testing, and systems development, as well as command positions from the communications command to the Eighth Air Force. He was appointed as the first vice chairman of the Joint Chiefs of Staff. He serves as chair of the national board of directors for Junior Achievement and is a board member of the National Mentoring Partnership, the National Housing Services of America, and the Boy Scouts of America. Locally, he sits on the boards of Trinity University, the Southwest Research Institute, and the University of Texas Science Center's development group. His dedication and achievements continue to have a significant impact on the technical direction and cultural quality of our country.

Future awardees will be chosen by a committee of national officers and invited to the Convention, where their achievements will be recognized and they will each receive a special plaque. A \$500 scholarship in honor of each awardee is given to a student selected by a chapter chosen by the Distinguished Alumnus.

Nominations from chapters or any individual are requested by March 15. (*For more information, see the President's Book, pp. C-32 to 33, or contact headquarters.*)

