

Executive Director's Report

by James D. Froula, P.E., *Tennessee Alpha '67*

SECRETARY'S REPORT

OVERALL, THE YEAR 2005-06 was quite good in most respects, and the investments in trust reached record valuations. Excellent support by alumni through their volunteer efforts, record-setting generous contributions, and bequests was impressive, while corporate and university financial support of the Convention and THE BENT remained high. A record total of Fellowships and Scholarships was given. Continuous improvements were made to the internal and external websites and to the automated membership-reporting system.

CHAPTERS

The 2005 Convention granted a charter to Rowan University in Glassboro, NJ, formally established as the New Jersey Epsilon Chapter on January 28, 2006. An account of the installation was published in THE BENT. Inspection teams visited the local engineering honor societies at San Francisco State University and the U.S. Military Academy, and petitions from the schools will be considered by the 2006 Convention. Petitions for new chapters were received from Miami University and the University of California, Santa Cruz, and inspection committees will complete visits in October 2006. Petitions from Smith College and Boise State University were rejected for technical reasons.

Tau Beta Pi has chartered 59 alumnus chapters; 16 are active.

The Annual Chapter Survey was conducted in the spring. A total of 212 chapters (vs. 203 in 2005) completed surveys, which listed approximately 2,000 projects. A report on the contents of the survey was published in the September 2006 issue of THE BULLETIN.

MEMBERSHIP

The chapters initiated 7,791 members in 2005-06, down one percent and the lowest total in four years. This included 7,369 undergraduates, 333 graduate students, 30 alumni, and 59 eminent engineers. Tau Beta Pi's initiated membership on July 31, 2006, was 485,374, and an estimated 50,000 are deceased.

During the year, about 29,600 engineering students in the 230 Tau Beta Pi chapter schools were scholastically eligible for membership in the top one-fifth of their senior or the top eighth of their junior classes. About 41.6% of these were members of Tau Beta Pi at the close of the year, down slightly from 42.8% the previous year. About 2.5% were not initiated, chiefly because of their chapters' failure to hold spring ceremonies. The remaining 55.9% indicated a lack of interest in membership, up from 52.2% last year.

Tau Beta Pi chapter schools graduate about 90% of all B.S. engineers at 355 schools with ABET EAC-accredited programs and the other 19 schools without an EAC-accredited program.

Twenty-four chapters held only one election and initiation of new members, and all others held two or more. Five chapters held initiations without approval, and one chapter was removed from probation. One member resigned during the year, and none was expelled.

CONVENTION

The 100th Convention of Tau Beta Pi was held in October 2005 in Salt Lake City with Utah Alpha/Beta/Gamma as co-hosts. The meeting was fully reported in THE BENT and THE BULLETIN. The 2006 Convention will be hosted by Colorado Beta in Denver/Boulder. The 2005 Convention approved one amendment to the Constitution and Bylaws of the Association, which was ratified by Executive Council vote for invalid and non-voting chapters: to revise the duties of the trustee. The 2005 Convention: amended Bylaw V to require initiation fees to be payable within two weeks instead of 10 days and to allow chapters to remove an elected officer for cause; decided to use the standard reimbursement schedule for the 2006 Convention; approved 11 appealed programs, denied five, and committed two to the 2006 Convention; accepted no invitation to host the 2007 Convention;



Michigan Gamma Chapter officers and distinguished alumni celebrated the chapter's centennial on April 7-9, 2006.

defined a procedure to permit remote initiations under specific approved conditions; made recommendations to improve the skills and knowledge of Chapter Advisors and the effectiveness of alumnus chapters; and established a limit of \$25,000 for the Secretary's Commendation Award Program until the 2009 Convention.

OFFICIALS

The Executive Council of Tau Beta Pi, elected for the 2002-06 term, comprises President M.W. Ohland, Ph.D., Vice President E.D. Styles, and Councilors A.L. Hu, R.W. Pierce, and Dr. D.J. Tyner. Council meetings were held on Aug. 13, Oct. 5, and Dec. 3, 2005, and Feb. 11 and June 2, 2006.

The Foundation slate of Council candidates was elected by the 2005 Convention and will serve the 2006-10 term. It will be formally installed on October 7 and has already identified its officers: President L.A. Simonson, Ph.D., P.E., Vice President S.C. Dao, P.E., and Councilors J.F.K. Earle, Ph.D., P.E., J.A. Huggins, P.E., and N. Pih.

Tau Beta Pi has three appointed Directors with responsibilities in major areas of its interest: D.S. Pierre Jr.*, P.E., serves as Director of Fellowships, E.J. D'Avignon as Director of Rituals, and Dr. A.M. Brenner as Director of Engineering Futures. Members of the Fellowship Board include L.J. Hollander, P.E., Dr. S.L.R. Holl, and Dr. V.A. Marsocci*, P.E. The Trust Advisory Committee, which directs investment activities of the corporate trustee, includes R.F. Smith* (chair), M.A. Di Flora, and J.W. Johnson Jr. (*service of 12 years or more).

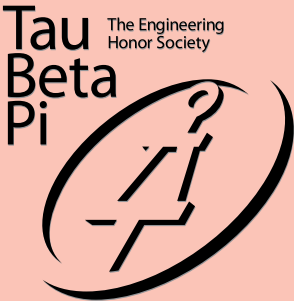
The District Directors on July 31, 2006, were:

- District 1 Matthew C. Rodrigue
Selden J. Houghton
- District 2 Thomas A. Pinkham IV**
Andrea J. Pinkus*
Daniel G. Rice
Jason Rogan**
- District 3 Dr. Edward P. Gorzkowski
Michael D. Malmstrom
- District 4 Luke A. Martin
J.P. Blackford
Russell L. Werneth***
- District 5 Curt G. Campbell
Rebecca A. Holcomb
Dr. Elizabeth A. Stephan
- District 6 Richard P. King
- District 7 Abdou A. Ayoub
Dr. Kathleen L. Colbry
Curtis D. Gomulinski
- District 8 Michael J. Cunningham
Stacey L. Forkner
Joseph G. Macro**
- District 9 Dr. Charles W. Caldwell
Robert C. Huck
Brenda A. Kramer
- District 10 Jeremy N. Comardelle
Daniel A. Kamat
- District 11 Dr. James C. Hill
Sherry D. Jennings-King**
- District 12 Wade A. Hull
Lindy M. Johnson, P.E.
Tricia E. Schwaller*
- District 13 Jeffrey G. Dabling
Dr. Richard W. Mead***
- District 14 Jeffrey A. Hester
James E. Mitchell
- District 15 Scott E. Fable
Michael D. Soriano
- District 16 Scott V. Eckersall
(*/**/*** service of 6/12/18 years)

The national Headquarters staff, which is located on the Knoxville campus of the University of Tennessee, includes Executive Director J.D. Froula, P.E., Assistant Secretary-Treasurer R.E. Hawks, Director of Communications & Development P.B. McDaniel, and seven additional employees (see www.tbp.org).

DISTRICT PROGRAM

Each District held a conference last year and conducted meetings during the 2005 Convention, and Directors visited many chapters during the year. The Directors and the Council met in San Antonio, TX, in June 2006 and discussed means for improving regional activities and communications and for helping the collegiate chapters.



Mission
To mark in a fitting manner those who have conferred honor upon their *Alma Mater* by distinguished scholarship and exemplary character as students in engineering, or by their attainments as alumni in the field of engineering.

Vision
Tau Beta Pi will be universally recognized as the premier honor society.

ENGINEERING FUTURES

A total of 223 training sessions in developing the leadership skills of student members was presented by 48 volunteer facilitators during 2005-06. This program helps to prepare engineering students for their careers by enhancing their overall personal effectiveness through interpersonal-skills and teamwork-development seminars.

FELLOWSHIPS

The website carried reports by Tau Beta Pi's 72nd fellowship group of 35 students, 15 with stipend, who were selected in the spring of 2005. The 73rd group, comprising 35 students—18 with stipend, will do graduate work in 2006-07 and was announced in the Summer 2006 BENT. Fellows with stipends are paid cash grants of \$10,000 each. Eleven James Fife Fellowships, sponsored by an irrevocable trust bequeathed by William Fife, CA A 21, were given.

AWARDS

Tau Beta Pi's top chapter prize, the R.C. Matthews Outstanding Chapter Award, was given to Vermont Beta for the excellence of its total program in 2004-05. Honorable mentions were awarded by the Convention committee to New

York Nu and Ohio Iota. The R.H. Nagel Most Improved Chapter Award went to Alabama Epsilon; Florida Gamma won an honorable mention.

The Council made one Chapter Project Grant under the Greater Interest in Government Program. The Headquarters staff gave 55 Secretary's Commendations to chapters for the perfection of their reports to the Headquarters office in 2004-05 and 30 Chapter Project Awards for ingenuity and creativity in activities.

The Distinguished Alumnus Award, established by the 1993 Convention for a trial period and renamed in 1999, will be presented at the 2006 Convention to Major General William A. Anders, OH H'62.

The 2006 National Outstanding Advisor was selected in May 2006 by a national selection committee of engineering deans: Drs. R.M. Unnikrishnan (chair), L.F. Brown, and D. Grasso, P.E. The recipient of a \$1,000 cash award and an equal sum to be presented to his dean's discretionary fund is Dr. Robert E. Barnes, NY N '84, New York Nu Advisor.

The inaugural and 2006 Tau Beta Pi-McDonald Mentor was selected in June 2006 by a committee of three District Directors. The recipient of a \$1,000 cash award with an equal sum to be presented to the South Dakota Alpha Chapter is Dr. Carter J. Kerk, SD A '81, P.E.

During the year, the Executive Council gave 13 Resolutions of Appreciation, 10 Distinguished Service Awards, and seven Superior Service Awards to collegiate chapter advisors and national officials for long and outstanding service.

LAUREATES

A selection committee of three District Directors chose one Laureate from six nominees. [See page 25.]

SCHOLARSHIPS/GRANTS

The eighth group of 123 Tau Beta Pi Scholars, who will complete their undergraduate engineering studies in 2006-07, was announced in the Summer BENT. Each Scholar receives a cash grant of \$2,000. Since the program began in 1999, Tau Beta Pi has given and committed \$688,000 to 344 seniors. The one-time H. Vincent Poor Distinguished Alumnus and the inaugural Henry M. Alford, MS A '27, Scholarships were awarded.

In the Tau Beta Pi Chapter Performance Scholarship Program, \$9,000 was made available to students to be selected by 18 chapters.

Six \$1,000 grants for the first year of college study in 2006-07 for incoming freshman engineering students were provided by the Society (for a nine-year total of 53) through the national program conducted by the Society of Automotive Engineers. No Special Assistance Grant was made.



Ashley N. Brisco
Covington, KY



Margaret Byron
Boalsburg, PA



Gregory M. Lammers
Bettendorf, IA



Allon Meizlik
Huntingdon Valley, PA



Varun Rajan
Chandler, AZ



Claire E. Teter
Nashville, TN

Six students are national winners of the 2006 Tau Beta Pi-SAE Engineering Scholarships—\$1,000 grants for their first year of college. Ashley and Margaret are attending Princeton University, Gregory is enrolled at

Purdue University, Allon is at the University of Maryland, Varun is at Rice University, and Claire is enrolled at Stanford University. They were selected from more than 3,000 applicants nationwide.

CONTRIBUTIONS FROM ALUMNI

Tau Beta Pi's 2005 Annual Giving Campaign brought record gifts of \$756,737 (up 2%) from 13,274 donors (down 6%), including 647 new donors (down 18%). Their names were published in the Winter and Spring 2006 issues of THE BENT. Included in the total are gifts of \$12,479 allocated to the Fellowship Program from 196 companies that match gifts from employees. The 2006 Giving Program began in March, and the response by July 31 reached \$55,364 from 9,503 loyal members.

The Society uses minimal professional assistance in the conduct of this extremely efficient program; the national officers are deeply grateful to the generous alumni whose gifts fund important programs that help our chapters and student members.

OTHER ACTIVITIES

Tau Beta Pi has maintained its affiliations with the American Association for the Advancement of Science and the Association of College Honor Societies and its association membership in the American Society for Engineering Education. The Executive Director is Tau Beta Pi's official representative to these organizations, although other officers of the Association occasionally attend their meetings. Tau Beta Pi dropped affiliations with the American Association of Engineering Societies and the Junior Engineering Technical Society.

The Society was included as an eligible organization on the 2006 Combined Federal Campaign national list. Tau Beta Pi established its own web-based job board—The Best People—and continued formal agreements with MonsterTrak and JobTarget to provide online job listings to members. The AlumNet Program, an electronic mentoring service to encourage student-alumnus interactions, has operated effectively since 2001 under Dr. Amy K. Forbes, Administrator. The Association was a contributing society to National Engineers Week 2006.

Tau Beta Pi has maintained its classification under Section 501(c)(3) of the U.S. Internal Revenue Code as a tax-exempt, charitable and educational, non-private organization and is exempt from sales tax in 14 states. Collegiate chapters are separately classified under Section 501(c)(7) of the code, but this may change for a few chapters.

TREASURER'S REPORT

THE FINANCIAL CONDITION of Tau Beta Pi at the close of the fiscal year was improved. Dividends doubled, but low trust market gains were recorded. Excess of revenue over expense was \$259,000. Assets increased in 2005-06 by \$402,000 to a total of \$16,869,000.

FINANCIAL POSITION STATEMENT

The several named trust funds are commingled and invested under the jurisdiction of the Tau Beta Pi Trust Advisory Committee. The trustee is the trust department of the National City Bank in Toledo, OH. The trustee performed satisfactorily during the year, and the status of the trust at the end of the year was improved with increased dividends but reduced capital gains. Investment earnings of the funds, less trustee fees and including capital gains, are used for the purposes indicated by the fund titles: paying fellowship and scholarship stipends, paying for BENT magazines delivered to life subscribers, paying project grants to winners in the Greater Interest in Government Program, helping to support the Convention, and financing many useful activities of the collegiate chapters. Overall net earnings of the trust funds, including security sales, were 5.6%; the previous year's figure is 19.2%. Net earnings were \$875,000.

Securities held by the trustee on July 31, 2006, are carried at market value of \$15,813,567, an increase of 2.6% above the previous year, and comprise holdings

in 12 non-overlapping, no-load mutual funds. Equity securities constituted 90% of the total trust funds.

The current liability in fellowships and scholarships is for those stipends committed in 2005-06 for payment in 2006-07 to student winners. The 2006 Convention liability includes the assessments paid by new initiates during the year and \$25,750 in gifts from corporate and university sponsors. The deferred BENT subscription liability is for both annual subscriptions and the four-year subscriptions for new members included in the national initiation fee. The liability for delivering future magazines under four-year subscriptions is entered on the books at the time of initiation.

The decrease in BENT life subscription liability was countered by the 464 new life subscribers. Life subscription fees are recorded as a liability because of the commitment against the annual earnings of those fees to pay for copies of THE BENT to be delivered. This liability represents the total value of all life subscriptions in force on July 31, 2006, at their enrollment-fee prices, less an actuarial proportion of \$1,087,000 recognized as revenue since 2004. Upon the deaths of life subscribers, their paid fees are transferred on the books to the Fellowship Fund and are reported as revenue.

The net assets of the Association increased by \$259,000 because of trust market gains, record contributions from alumni, and bequests and capital gifts totaling \$198,000. Market gains of \$370,000 on securities in the trust were recorded. A subsidiary report details the changes during the year in individual funds, some of which increased because of the gain in market value. The Convention Fund grew by \$75,000, the L.E. Record Scholarship Fund rose by \$58,000, and the Fellowship Fund grew by \$22,000, but the Engineering Futures Fund decreased by \$40,000, the BENT Life Subscription Fund balance decreased by \$84,000, and the Program Development Fund fell by \$127,000 to pay District Program expenses.

THE TAU BETA PI ASSOCIATION
STATEMENT OF FINANCIAL POSITION
 On July 31, 2005 and 2006

ASSETS

<i>Current Assets</i>	<i>2006</i>	<i>2005</i>
Cash	\$ <u>255,505</u>	\$ <u>273,314</u>
Receivables:		
Trust contributions	5,057	65,000
Chapters	22,762	17,587
Student loans	39,543	38,270
BENT life subscription installments	15,746	15,704
Other	<u>22,794</u>	<u>7,099</u>
<i>Total Receivables</i>	105,902	143,660
Inventory	20,050	18,538
Split-interest agreements, current portion	57,598	51,591
Prepaid expenses	<u>18,327</u>	<u>18,673</u>
<i>Total Current Assets</i>	457,382	505,776
Depreciable:		
Furniture and equipment	240,339	233,141
Less accumulated depreciation	<u>-211,507</u>	<u>-197,559</u>
<i>Total Depreciable</i>	28,832	35,582
Investments	15,813,567	15,415,763
Split-interest agreement net of cur. portion	<u>570,024</u>	<u>510,583</u>
TOTAL ASSETS	\$16,869,805	\$16,467,704

LIABILITIES AND NET ASSETS

<i>Current Liabilities</i>	<i>2006</i>	<i>2005</i>
Accounts payable:		
Chapters	\$ 6,131	\$ 6,131
Laureate awards	2,500	2,500
Fellowships/Scholarships	449,000	288,000
Other	23,617	19,396
Accrued expenses	25,726	25,089
Deferred Convention revenue	65,850	66,990
Deferred BENT revenue	<u>57,800</u>	<u>58,481</u>
<i>Total Current Liabilities</i>	630,624	466,587
Deferred BENT subscription revenue	67,302	69,196
BENT life subscriptions	<u>1,348,657</u>	<u>1,368,563</u>
TOTAL LIABILITIES	1,415,959	1,437,759
<i>Net Assets</i>		
Unrestricted:		
Undesignated	945,348	862,368
Designated	7,044,378	7,097,973
Temporarily restricted	5,339,904	5,174,873
Permanently restricted	<u>1,493,592</u>	<u>1,428,144</u>
TOTAL NET ASSETS	14,823,222	14,563,358
TOTAL LIABILITIES & NET ASSETS	\$16,869,805	\$16,467,704

STATEMENT OF ACTIVITIES

Chapter and initiation fees (shown less THE BENT subscription portion) were unchanged.

Convention revenue consists of assessments for the 2005 Convention, \$40,950 in industrial gifts, and \$61,021 from 117 alternate delegates and visitors.

Overall contributions and bequests fell by \$165,000. Total gifts from alumni and matching corporations in the two annual giving programs in 2005-06 amounted to a record \$800,298 (up 4% from 2004-05). The Association is deeply grateful to the 12,909 members who contributed during the year.

BENT publication revenue rose by \$21,000 with the second-highest total of recruitment advertising; expenses increased by \$31,000. Total earnings on the invested Life Subscription Fund were the highest in four years. In 2005-06, the invested fund earned (before the trustee fee deduction) \$0.52 per life copy delivered, compared with the previous year's \$0.39. Cost per life copy exceeded earnings by \$0.85, versus last year's \$0.91.

The total of interest and dividends in 2005-06 rose by \$142,000. The net gain on investments was \$370,000; changes in market value are reported as either gains or losses in investments.

The 10 major chapter programs (the

first 10 under Expenses) usually show an operating loss. Convention expenses fell by \$12,000 and include the cost of attendance by one student delegate from each collegiate chapter; alternate delegates, alumnus delegates, chapter advisors, and visitors—but not by national officers.

Expenses for fellowships and scholarships rose by \$161,000 because 54 more scholarships were awarded. (Revenue for fellowships includes all matching gifts from corporations and alumnus contributions specifically earmarked by donors.) Since the Fellowship Program was inaugurated in 1929, Tau Beta Pi has given and committed \$4,415,395 in stipends to 855 Fellows and \$688,000 to 344 young Scholars. Fellowships and scholarships comprise the major philanthropic program of the Society—made possible by gifts from alumni and cooperating industrial firms.

INITIATION FEES

Tau Beta Pi's low national initiation fee covers the cost of the official badge, membership certificate, copies of the Constitution and Bylaws and Information booklets, a subscription for student members to THE BULLETIN, and a four-year subscription to THE BENT. The national fee has been \$32 since August 1, 2004. In addition, new members are charged an assessment of \$5 for partial support of the annual Convention.

STUDENT LOANS

Five new student loans were made to members in 2005-06 for a total of \$12,500. None was for the amount of Tau Beta Pi's initiation fee. Seven loans were repaid, and none was written off during the year, leaving 17 outstanding on July 31, 2006, with a principal balance of \$39,543. Since inauguration in 1932 of the program, 1,765 loans have been made to student members for a total of nearly \$822,000.

EDITOR'S REPORT

THE BENT

During 2005-06, the four issues contained a total of 224 pages, and 386,718 copies of the magazine were available for paid subscribers. This is a 1% increase in paid copies above the previous year's circulation total. Engineering and graduate-school recruitment advertising for the year totaled 22.6 pages, a 6.7% increase from the previous year. Total production cost of the magazine per paid copy was \$1.34, up from \$1.31 the preceding year.

New BENT life subscribers added during the year numbered 464 (up 10%) bringing total life subscriptions to 77,037. Of all the life subscribers enrolled since 1929, when the plan was instituted, 8,042 are deceased, and their fees totaling

THE TAU BETA PI ASSOCIATION

STATEMENT OF ACTIVITIES

For the years ended July 31, 2005 and 2006
(With summarized financial information for the year ended July 31, 2005)

REVENUE	Unrestricted	Temporarily Restricted	Permanently Restricted	2005-06	2004-05
Initiation and chapter fees and fines	\$ 186,502			186,502	186,553
Chapter and individual sales	101,230			101,230	86,702
Contributions and bequests	899,374	63,724		963,098	1,128,511
Convention	141,871			141,871	120,473
THE BENT publication	277,322			277,322	256,136
Net life subscription fee transfer	47,056			47,056	48,101
Student loan interest	1,133			1,133	1,917
Miscellaneous/ Net gain on equipment sales	123			123	1,997
Interest and dividends	306,918	317,767		624,685	482,010
Net gain on investments	225,338	145,200		370,538	2,182,528
Change in value of split-interest agreements			65,448	65,448	79,221
Net assets released from restrictions	361,660	(361,660)	0	0	0
TOTAL REVENUE	2,548,527	165,031	65,448	2,779,006	4,574,149
EXPENSE					
Program services:					
Chapter and initiate supplies	246,895			246,895	240,735
Cost of chapter and individual sales	85,221			85,221	79,904
Convention	337,388			337,388	349,658
District Program	216,146			216,146	203,490
Engineering Futures Program	126,445			126,445	117,380
Greater Interest in Government Program	3,366			3,366	4,456
BULLETIN publication	31,162			31,162	30,709
Student Assistance Program	1,595			1,595	2,470
Laureate Program	7,757			7,757	8,114
Advisor Award Program	9,846			9,846	7,457
BENT publication	533,915			533,915	502,458
Fellowship/Scholarship Program	511,404			511,404	350,624
Alumnus Program	11,473			11,473	10,228
Student Loan Program	5,940			5,940	5,579
	2,128,553			2,128,553	1,913,262
General and administrative	157,430			157,430	148,110
Alumnus Giving Program	233,159	0	0	233,159	225,072
TOTAL EXPENSE	2,519,142	0	0	2,519,142	2,286,444
CHANGE IN NET ASSETS	29,385	165,031	65,448	259,864	2,287,705
Net assets, beginning of year	7,960,341	5,174,873	1,428,144	14,563,358	12,275,653
Net assets, end of year	\$7,989,726	5,339,904	1,493,592	14,823,222	14,563,358

Financial statements have been audited.

\$231,118 have been transferred to the Fellowship Fund in accord with the Constitutional requirement.

An average of 231 copies per issue in 2005-06 was delivered to annual renewal subscribers, 32,349 copies to original four-year subscribers, and 64,100 copies to life subscribers, for a total of 96,680 paid copies per issue. The total number of paid copies for the Summer 2006 magazine was 96,490.

THE BENT carries articles on general professional topics in engineering, news about Tau Beta Pi and its members and chapters, and regular departments. The Association is indebted to the alumni who serve as judges and writers of the Brain Ticklers column: H.G. McIlvried III (chair), D.A. Dech-

man, J.L. Bradshaw, and F.J. Tydeman. Publication of THE BENT is a major activity of the national Headquarters staff. By Bylaw provision, the Secretary-Treasurer of the Association serves as editor.

THE BULLETIN

During 2005-06, the three issues contained a total of 22 pages, and 34,000 copies were printed. All issues are also available on the website. This newsletter is published chiefly for the information of the student members and advisors of the collegiate chapters and is a valuable means of exchanging project ideas and distributing information and instructions on the operations of the student groups. The Executive Director serves as editor of THE BULLETIN.

OTHER PUBLICATIONS & WEBSITE

New editions of the "Constitution and Bylaws and Eligibility Code" and the "Information Book 2006" were published in August and January, respectively.

Tau Beta Pi descriptive brochures and promotional materials were updated and reprinted during the year for chapter use. The Tau Beta Pi website received numerous improvements throughout the year and at least 572,000 visitors. It contains much interesting material at www.tbp.org.

—James D. Froula, P.E.
Executive Director
Secretary-Treasurer and Editor