



SPRING 2026

The Bent

Of Tau Beta Pi

THE ENGINEERING HONOR SOCIETY



Association Finances
A Story of AI and Art
Executive Director's Report



The Bent

Of

Tau Beta Pi

The Engineering Honor Society

Editor: Dylan S. Lane

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Bridget A. Moorman, COL., USAF (ret.), *AZ B '85*.

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Member, *American Society for Engineering Education (ASEE)*;
co-founder, *Association of College Honor Societies (ACHS)*; and
Affiliate, *American Association for the Advancement of Science (AAAS)*.

On the COVER: The oil painting by Mat Ollig entitled "Dudey McDuderton." Permission was granted to reproduce this image for the magazine. For more details, see the article on page 2.

Artist: Dali Polivka set up the cover with the image from © 2025 Mat Ollig.



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See back inside cover for listing of Tau Beta Pi Chapters.



The Bent

SPRING 2026

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ON THE COVER; IN THIS ISSUE

Sherry D. Jennings-King, TN A '93, TBII Director of Development & Communications

AI — A PERSONAL STORY, NOT A LESSON OR LECTURE

Does the cover of this issue look to you like it was created with artificial intelligence (AI)? It wasn't.

"Dudey McDuderton" is an original oil painting by Mat Ollig, a Minneapolis-based artist and graduate of the Minneapolis College of Art and Design (MCAD). With all the talk of AI in what feels like every conversation these days, Mat's vision is to turn everything on its head – instead of using AI to create artwork, he prefers to create original pieces that only look like they were. He notes the irony of creating art that exists in the "physical" realm, yet as soon as it's put online it becomes digital.

Mat's twenty pieces exhibited in November 2025 at MCAD's annual student and alumni art sale – the largest of its kind in the U.S. – definitely turned heads. I stood in the room for 20 minutes watching every single person who walked in have nothing less than a visceral reaction to Mat's artwork.

I have been attending this annual three-day event for years and have never seen such overt responses to an artist's work. Some burst out laughing. Almost everyone took a selfie. One older gentleman kept repeating, "It's a cat ...it's a cat!" A woman who looked as if she came straight from shopping on Rodeo Drive in Beverly Hills grabbed her husband and brought him nose to nose with Dudey. "Honey, look at the scarf; you can see each brushstroke – this is real!"

She was right, there are slight imperfections, but you have to be on top of the painting to notice them. Mat's execution is almost flawless by design; the imperfections as a result of being created by a human hand are intentional.

So, why secure the artist's permission to display his painting of a cat on the cover of a quarterly engineering magazine?

First, this is our inaugural "financial" issue and we wanted something eye-catching that was also a color associated with money and this fit the bill (no pun intended). Second, sometimes you have to dig a little deeper for true understanding, and as engineers, it's something at which we excel. We don't necessarily take things at face value – we question. Luckily, I was in a position to witness this painting causing many people to do second-takes and ultimately question the art, artist, and their own perceptions. We wanted to give you this opportunity as well.

On a final note ... have you ever attended a charitable event and gotten caught up in the action? That's not a bad thing. It feels good to support young people and encourage them as they begin their careers (from artists to our own engineers). Students build confidence and competence with early successes; Tau Beta Pi is an important part of making that happen for the top engineering students. I feel I can speak with authority on this subject having been involved over the last 33 years as a student, volunteer, and now staff member, on the front lines watching students take these first steps aided by the hard work of our Association Officials, Advisors, and Alumni Chapters.

The future is moving forward with AI, whether we want it to or not and more quickly than most may realize. Those of us with many years in the workforce will be impacted as well as those just entering. Creating efficiencies is important, but so is the human touch. As with Mat's artwork, hopefully a balance and appreciation of originality will result.

It ended up being a good show for Mat – he sold all but two of his works.



Sherry Jennings-King.



Artist Mat Ollig.

ARTIST BIO DETAILS:

- Patent illustrator for 5 years before the office began accepting photographs and CAD drawings.
- Studied abroad in Italy at the Accademia di Belle Arti di Firenze.
- Draws inspiration from early pop artists such as Richard Hamilton (those super-perfect straight edges – they're all done free-hand).
- Almost lost his painting hand in a metal lathe accident, but it miraculously deflected off his cell phone.

YOUR LETTERS

Send letters to d.lane@tbp.org. Text may be edited for length and clarity; not all letters can be published.

Lyle Feisel

Upon reading the Winter 2026 issue, I was startled to learn that author and engineering professor Lyle Feisel died. Although I never met Dr. Feisel, perhaps other members like me felt as if they knew him in a small way after reading his numerous articles in *The Bent* magazine over many years.

No matter what any of us knows in life, there is always more to learn, and I appreciate having learned plenty from Lyle.

J Saikali, OH B '96

I was saddened to learn of Lyle's passing. His columns were true must-reads, and especially for a generation that currently isn't being taught to value the history of our science like we used to be.

I have always felt that you do not know where you are going unless you know where you are coming from, and Lyle so eloquently told us where we came from. He and his columns will be dearly missed.

Paul H. Gross, MI Γ '83

I am truly sorry to learn of the passing of Lyle Feisel. He was a good person.

Lyle and I were both Fellows of the American Society for Engineering Education (ASEE), and that is how I happen to have met him.

From what I remember, every time I saw him, he was always sporting a big, warm smile. When talking with him, he always had something good to say and had a very positive outlook on all matters at hand. For these reasons, he attracted people who wanted to be around him; time spent with Lyle was always enjoyable.

A list of his accomplishments, while very impressive, does not do justice to the man and his wonderful personality.

Arthur T. Johnson, Ph.D., P.E., MD B '64

Graduate Studies in Engineering

In his article, Dr. Lindvall explains the benefits of graduate studies from the academic, industry, and economic perspectives. The subsequent letters, published in the Winter issue, expand on the economic return on investment.

My view is that return on investment is insufficient to determine if one should pursue graduate degree(s). Missing is the risk analysis. What happens in the case where you pursue an advanced degree and fail to complete it? Obviously, less than optimal economic consequences. Really, there are two key questions — the same two an employer should determine about you as well. Can you do it, and will you do it? It being the job offered by the employer or the work of a graduate student.

For the Ph.D., in particular, you have to want to do it in the core of your being (soul) or you are likely to fail. And you need to have the academic skills to succeed. If you don't, that will show up as poor grades, failed exams, or a stalled thesis — the latter leaving you with the "All But Dissertation" moniker.

As to the why do it, the answer is simple. Higher degrees provide opportunities for more conceptual and abstract engineering work in research and development. The counterpoint is that you want your interests and capabilities to match the type of work you desire. In the figure below, job functions are shown with the more conceptual and abstract on the left and the more concrete and detail-oriented on the right. A higher GPA and advanced degrees make the more conceptual job functions achievable. A lower GPA, or an engineering technology degree, would push you towards the more concrete and detail-oriented job functions. The economic rewards for graduate degrees just happen because more complex work is valued more in the market place.

Kevin (Kip) Haggerty, Ph.D., P.E., MI Γ '80

FROM THE EDITOR

Correction:

There was an historical error that we missed while reviewing Lyle Feisel's "Why Do We Call It a ..." article on pages 22-23 of the Winter 2026 issue.

Fortunately, several of our readers caught this inaccuracy and wrote in to let us know.

For the record, Queen Victoria reigned from 1837-1901, thus William Gilbert (1544-1603) would have been **unable** to serve as her personal physician.

However, Queen Elizabeth I (born in 1533) is the queen who died in 1603 and was succeeded by King James I (noted correctly in the article). Gilbert did serve Queen Elizabeth I in his role as personal physician from 1601-03.

Apologies for this error, and thanks again to our attentive readers.

The Bent Magazine Letters Policy

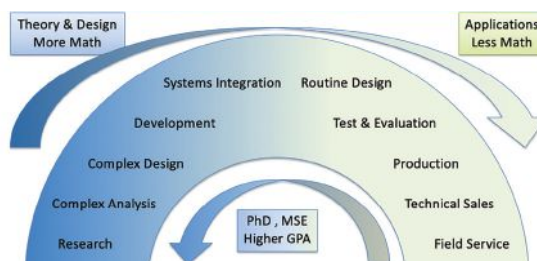
The Bent invites letters to the editor addressing topics covered in the magazine. Criticism of Tau Beta Pi and its policies is permitted, but letters containing potentially libelous statements, profanities, or personal attacks will not be printed. All letters must be signed and should not exceed 400 words. The editors reserve the right to edit letters for length and clarity and have the final decision to publish. There is no guarantee that all letters received will be published. Ideas or views expressed in this magazine do not necessarily reflect the policies or opinions of the Association.

We appreciate your cooperation and understanding. If you have questions or concerns, contact d.lane@tbp.org or call 865/546-4578.

FIGURE: Job Function Continuum.

Conceptual and abstract job functions towards the left require higher GPAs or graduate degrees.

The more concrete and detail-oriented job functions towards the right are suited to graduates with lower GPAs and/or technology degrees.



WHO'S WHO IN TAU BETA PI

Recognizing Tau Bate accomplishments.

Gayle J. Gibson

Texas Delta '83

was elected for a three-year term to the American Institute of Chemical Engineers (AIChE) Board of Directors. A senior fellow with Mission Possible Partnership, an AIChE Fellow, and former Head of Engineering at DuPont, she also recently visited Ohio University where she gave a lecture on chemical eng'g and decarbonization. Gayle has broad expertise in product & process development and fostering inclusive workplaces.



Carrie J. Johnson P.E., S.E.

Oklahoma Gamma '85

was honored by the National Council of Structural Engineers Association (NCSEA) with its prestigious Lifetime Achievement Award. Currently, a principal and chair of the Board of Directors for Wallace Design Collective, she was recognized for being "a driving force in structural engineering for decades." Carrie previously served as Applied Technology Council president and has mentored and inspired the next generation.



Wayne K. Kittelson P.E.

Illinois Gamma '73

was recognized with the W.N. Carey, Jr. Distinguished Service Award by the Transportation Research Board (TRB). He is principal at Kittelson & Associates, Inc. and was cited for his "almost 50 years of service to TRB and for significant engagement in the highway capacity and quality of service field." Through lasting contributions to TRB, leadership, and global philanthropic work, Wayne exemplifies the spirit this award honors.



Tsu-Jae K. Liu Ph.D.

California Gamma '84

began her term as National Academy of Engineering president on July 1, 2025. She previously served as dean, College of Engineering at the Univ. of California, Berkeley, where she has been a professor of electrical eng'g & computer sciences since 1996. Tsu-Jae has B.S., M.S., and Ph.D. degrees in EE from Stanford Univ. and has authored 550+ publications and holds 96 patents in the field of semiconductor devices & tech.



Shankar Mahalingam Ph.D.

Alabama Delta '80

was selected as a 2025 Sigma Xi Fellow for his "pioneering research in turbulent combustion modeling, fire-spread dynamics and fluid-structure interactions, combined with sustained service in mentoring students, leading engineering departments, and advancing computational science at multiple institutions." He's been the dean of the College of Engineering at the University of Alabama in Huntsville for 15 years.



H. Alan Mantoosh Ph.D., P.E.

Arkansas Alpha '85

was named to the National Academy of Inventors' 2025 class of fellows. As a Distinguished Professor of engineering at the University of Arkansas, his groundbreaking research portfolio focuses on power electronics, cybersecurity, and sustainable energy. He serves as AR Alpha Chapter Chief Advisor, is a TBP Fellow (1985), has submitted 45 invention disclosures with 12 patents issued, and helped start 4 companies.



Neal Mohan

California Gamma '96

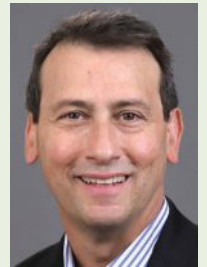
was named *TIME*'s 2025 CEO of the Year. He became CEO of YouTube in 2023 after 7+ years as Chief Product Officer and currently serves on several boards, including Starbucks. Neal is leading YouTube, which celebrated its 20th anniversary in 2025, as it "increases its dominance of the attention economy" and expands viewer-ship through TV screens. He has B.S. (electrical eng'g) and MBA degrees from Stanford University.



Theodore S. Rappaport Ph.D.

Indiana Alpha '82

recently received two major recognitions: elevation to Life Fellow of the Institute of Electrical and Electronics Engineers (IEEE) and election as a Fellow of the Association for Computing Machinery. He is a professor of electrical & computer eng'g at the NYU Tandon School of Engineering and is one of the most cited researchers in the world — best known for demonstrating the viability and versatility of the millimeter-wave radio spectrum for wireless Telecoms.



Nicole W. Xu Ph.D.

Pennsylvania Delta '14

was selected as a 2025 Packard Fellowships for Science and Engineering recipient. The award provides promising early career scientists and engineers flexible funding to test novel ideas and lead research that drives real-world impact. Nicole is an assistant professor of mechanical eng'g at the Univ. of Colorado Boulder where she leads an interdisciplinary research group at the intersection of robotics, fluid dynamics, and biology.



Elects New Members

President Tsu-Jae Liu, Ph.D., *CA G '84*, announced the election of **130 new members** and **28 international members, 34 of whom are Tau Bates**. Election to the Academy is among the highest professional distinctions accorded to an engineer. It honors those who have made outstanding contributions to “engineering research, practice, or education.”

Barbara J. Arnold, Ph.D., *PA B '82*
Penn State Univ. – For application of mineral processing fundamentals in coal preparation, respirable dust evaluation, and recovery of critical minerals from mining wastes.

Anne H. Aunins, Ph.D., *VA A '85*
Moderna Therapeutics – For leadership in pharmaceutical R&D and manufacturing, particularly for contributions to the development of COVID-19 vaccines.

Dante P. Bonaquist, *PA B '80*
Univ. of Washington – For developing computational methods to engineer novel proteins and predict protein three-dimensional structures.

Timothy J. Bunning, Ph.D., *CT B '87*
Air Force Research Laboratory – For novel optical applications of liquid crystal material systems for commercial and defense applications.

Christopher L. Burcham, Ph.D., *IL A '91*
Univ. of Illinois (Urbana) – For contributions to crystallization, particle eng'g, and process control to advance pharmaceutical eng'g and enable new therapies to market.

Jonathan Cagan, Ph.D., P.E., *NY K '83*
Carnegie Mellon Univ. – For artificial intelligence approaches that advance product design innovation and for establishing integrated design education and practice.

James F. Carlini, *PA Z '87*
Leidos – For contributions to the development of new defense systems and technology.

Mung Chiang, Ph.D., *CA F '00*
Purdue University – For contributions to networks and edge computing and leadership in U.S. higher education.

Amy E. Childress, Ph.D., *MD B '92*
Univ. of Southern California – For advancing membrane technologies for desalination and wastewater reuse.

Timothy D. Cook, *AL A '82*
Apple – For advancing technological innovation, environmental sustainability, and transformative leadership in supply chain of consumer electronics.

Karen A. Thole, Ph.D., *TX A '91*
Univ. of Michigan – For contributions to gas turbines through the development and deployment of innovative cooling technologies.

Charles E. Freese V, *MI F '94*
General Motors Co. – For technical and business leadership in propulsion systems, power generation, marine & automotive systems with emphasis on fuel cell tech.

Ken Y. Goldberg, Ph.D., *PA A '84*
Univ. of California, Berkeley – For contributions to practice, research, and education in robotics and automation for industrial parts handling.

Gary S. Guthart, Ph.D., *CA A '87*
Intuitive Surgical Inc. – For engineering leadership in the creation of surgical robotic systems and their usage to improve patient care.

Susan C. Hagness, Ph.D., *IL F '93*
Univ. of Wisconsin-Madison – For contributions to computational electromagnetics and its biomedical applications.

Abraham M. Lenhoff, Ph.D., *DE A '76*
University of Delaware – For contributions addressing protein-protein, protein-surface, and colloidal interactions leading to major advances in protein purification technologies.

George E. Leventis, P.E., *IL A '84*
Langan International LLC – For geotechnical engineering, deep foundations, seismic risk assessment and mitigation, and construction of complex civil works.

John H. Lienhard, Ph.D., P.E., *CA E '82*
Massachusetts Institute of Technology – For advances and technological innovations in desalination.

Elizabeth H. Lund, *OK B '87*
Boeing Co. – For the development and production of the twin-aisle commercial airplanes.

Stacey Y. Ma, Ph.D., *MN A '91*
Gilead Sciences Inc. – For leadership in biopharmaceutical development, advancing analytical technologies, and commercializing manufacturing platforms for therapies.

Edward J. Maginn, Ph.D., *IA A '87*
Univ. of Notre Dame – For development and application of molecular modeling and simulation of complex systems involving slow dynamics and long-ranged interactions.

Israel E. Wachs, Ph.D., *NY H '73*
Lehigh Univ. – For establishing fundamental structure-activity/selectivity rules governing molecular engineering of mixed oxide catalysts.

Michael E. McCune, *NY B '82*
Pratt & Whitney – For engineering excellence and innovation in the development of technology for high-bypass geared turbo-fan jet engines production.

David L. McDowell, Ph.D., *NE A '79*
Georgia Institute of Technology – For microstructure-sensitive computational modeling of engineering alloys, and methodologies for computational materials design.

Jeffrey F. Morris, Ph.D., *GA A '89*
City College of New York – For research on the fundamentals of concentrated suspension and hydrate slurry flows and for implementing applications in many industries.

John C. Morris, Ph.D., *CA M '89*
Seagate Technology – For contributions in industrial application of robust control in hard disk drives, enabling high areal densities and disk drive capacity.

Ira J. Pitel, Ph.D., *NJ B '72*
Magna-Power Electronics – For advancements in power electronics, integrating theoretical innovation with practical applications in commercial products.

Brandon W. Porter, *MA B '97*
Collaborative Robotics Inc. – For contributions to robotics, artificial intelligence, large-scale distributed systems, and advancing human-robot collaboration.

Walden C. Rhines, Ph.D., *MI F '68*
Silvaco Group Inc. – For co-invention of a blue-light-emitting diode and leadership in the semiconductor industry.

Milo E. Rivero, Ph.D., P.E., *NY E '81*
Manhattan Univ. – For leadership in strategic development and management of engineering professional corporations, associations, and academic institutions.

Edgar S. Sanders Jr., Ph.D., *NC A '83*
Osmoses – For leading the commercial impact of hollow fiber membranes for gas separations.

Michael P. Thien, Ph.D., *CA B '82*
Takeda Pharmaceuticals – For innovations in supply chain design and engineering of large-scale manufacture of drugs for treating HIV, cancer, and diabetes.

Mark C. Waggoner, P.E., *MO F '97*
Walter P. Moore & Associates, Inc. – For achievements in the design and construction of long-span structures.



THE REPORT OF

Executive Director

CURTIS D. GOMULINSKI, MI EPSILON '01

FACING CHALLENGES HEAD ON

Headquarters experienced a generational shift with a number of departures and new hires. Trust investments continue to perform well with changes to investments being implemented. Strong engagement by students and alumni continue to push the Association forward.

The 2024-25 academic year proved challenging on many fronts, but the Headquarters team members, Association Officials, chapter leaders and members, and numerous alumni continue to provide outstanding support to the Association. Headquarters saw the departure of five long-term team members offset by the arrival of five new team members. However, the average years of service with Tau Beta Pi dropped from 13.4 to 5.6. While this has presented us with some substantial knowledge gaps and training needs, the new team members bring a number of new skills and excitement to their work for the Association.

The investments in the trust continue to outperform expectations thanks to the prudent judgment of the Trust Advisory Committee (TAC) and strong endowment support by our alumni. The TAC decided to adjust the long-term 90/10 equity vs. fixed income investment strategy to a less aggressive 80/20 mix. In addition, the Association began a multi-month custodial transition from Vanguard to Schwab on the recommendation of the trustee/investment advisor at Mercer Investments.

Through the diligent work of Paul H. Kimpel III, *DE A '70*, and Neal T. Bussett, *CAX '09*, over several years, the finishing touches were put on the Google Maps based web interface to locate and track all the Bent monuments across the world. The Bent-O-Rama is available to all members at bents.tbp.org. With the help of Nicholas R. Divilbiss, *KS G '25*, the location of all remaining Bent monuments were entered in early 2025. Nick's journey is featured in the Summer 2024, Winter 2025, and Summer 2025 issues of *The Bent*.

CHAPTERS

The 2024 Convention granted a charter to Fairfield University, formally installed as the Connecticut Delta Chapter on May 1, 2025. An article about their installation appeared in the Summer 2025 issue.

In November 2025, an inspection committee visited Weber State University (Utah) and its petition will be considered this fall.

As of July 31, 2025, 52 of 82 alumni chapters across the country were active. A total of 198 collegiate chapters (213 in 2023) completed annual surveys in which approximately 1,855 chapter projects were listed.

Unfortunately, 19 chapters are on probation at the close of the fiscal year for not conducting an initiation of new members in the prior fiscal year. The Headquarters team, District Directors, and Chapter Advisors are working with a number of these chapters to restore active operations so all eligible students may be "Recognized in a Fitting Manner."

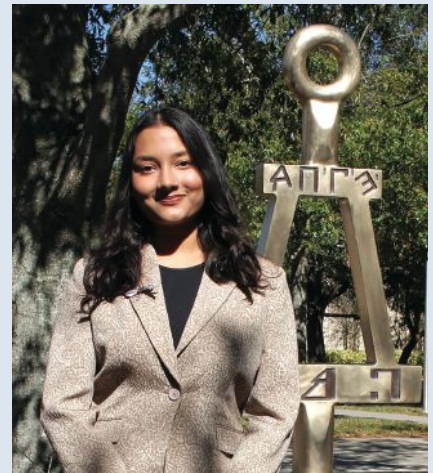
MEMBERSHIP

The Association's chapters initiated 8,296 members in 2024-25, up 733 (9.7%) from the previous year. This included 7,835 undergraduates, 371 graduate students, 20 alumni, and 70 eminent engineers.

Tau Beta Pi's initiated membership on July 31, 2025, was 649,477, and an estimated 77,870 are deceased.

During the year, about 96,000 engineering students at the 257 schools with Tau Beta Pi (TBPi) chapters were scholastically eligible for membership, in the top fifth of their senior or the top eighth of their junior classes. About 8.2% of those eligible were members of TBPi at the close of the year — up from 7.9% last year. The remaining 91.8% indicated a lack of interest in membership, down 0.3% from last year.

Thirty-two collegiate chapters held only one election and initiation of new members. Nineteen schools did not conduct an initiation and 214 held two or more. One chapter held an initiation without approval.



Raima Mallick, *FL G '26*, with the Univ. of South Florida Bent monument.

CONVENTION

The 118th Convention was held Oct. 26-28, 2024, in Rapid City, SD, hosted by the South Dakota Alpha Chapter at the South Dakota School of Mines and Technology. The meeting was reported in the Winter 2025 issue of *The Bent* and the December 2024 issue of *The Bulletin*.

Headquarters for this Convention was the Monument Events Center. Four Business Meetings, Committee and District meetings, Professional Development and NICE sessions, a Recruiting Fair, Engineering Futures Training, and a Model Initiation were held at The Monument.

The 2024 Convention delegates elected three new members to the Executive Council from a field of five candidates to fill the seats of three members whose terms expired on December 31, 2024; Ronald M. Hickling (reelected), MingDe Lin, and Joan M. Sciacca. The new Councillors will serve the 2025-27 term and join six members previously elected. The Executive Council comprises nine Tau Beta Pi alumni who serve staggered three-year terms.



The Convention reviewed and adopted an amendment regarding the Executive Council responsibilities, reviewed HQ and auditor's report for the 2024 Convention, recommended and passed a motion increasing the Association initiation fee by \$5 for each of the next four years, and requested EC retooling of the Student Assistance Program. The Convention Site Committee reviewed and recommended sites to host the 2027 and 2028 Conventions: the proposals to host the 2027 convention in St. Louis, MO, with Columbus, OH, as an alternate option and the 2028 Convention in St. Paul, MN, with Columbus, OH, as an alternate option were both approved and motions passed.

OFFICIALS

As of July 31, 2025, the TBP Executive Council (EC), with term expirations by year, includes Councillors: Michael J. Hand III, Rachel K. Alexander, and President Marla A. Peterson (2025); Vice President Thomas A. Pinkham IV, Treasurer Colleen L. Hill-Stramsak, and Secretary Henry H. Houh (2026); David J. Cowan, Ronald M. Hickling, and Sue L. R. Holl (2027). Council meetings during the fiscal year were held on Aug. 8, Sept. 12, Oct. 10 & 23, Nov. 14, and Dec. 12, 2024 and Jan. 16, Feb. 10, Mar. 20, Apr. 17, May 15, June 14, and July 10, 2025.

Tau Beta Pi has six appointed directors with responsibilities in major areas of its interest: K. L. Colbry as Director of Engineering Futures, E. J. D'Avignon as Director of Rituals, S. B. Aiton as Director of Alumni Affairs, S. L. Forkner as Director of the District Program, C. W. Potts as NEST program lead, and S. J. Steadman as Director of Fellowships. Members of the Fellowship Board include L. W. Faidley, S. C. Fantozzi, L. H. McWilliams, S. J. Steadman, and A. M. Richards. The Trust Advisory Committee, which directs investment activities of the corporate trustee, includes J. W. Johnson Jr. (chair), B. S. Beardsley, A.F. Nicoletti, Y. B. Lim, and D. A. Liu. District Directors and Engineering Futures Facilitators as of July 31 are listed below.

The International Headquarters staff, located on the University of Tennessee Knoxville campus, includes members Executive Director C. D. Gomulinski, Director of Development & Communications S. D. Jennings-King, *TNA '93*, and 11 additional employees (see tbp.org/?HQ for more).

AWARDS

The Association's top collegiate chapter prize, the R.C. Matthews Outstanding Chapter Award, was bestowed on Michigan Gamma (Univ. of Michigan) for the excellence of its total program in 2023-24. Honorable mentions went to Indiana Alpha (Purdue Univ.) and Kansas Gamma

(Kansas State Univ.). The R.H. Nagel Most Improved Chapter Award was given to Ohio Alpha (Case Western Reserve Univ.); an honorable mention went to New Mexico Beta (Univ. of New Mexico). The J.D. Froula Most Improved Membership honors were extended to Delaware Alpha (Univ. of Delaware); honorable mentions were presented to California Phi (Univ. of the Pacific) and Florida Zeta (Florida Institute of Tech.).

The Headquarters staff gave 20 Chapter Excellence Awards to chapters for high-quality reporting, excellent chapter operations, and a commitment to improving initiation rates. Chapter Project Awards were presented to 16 chapters for ingenuity and creativity in activities.

MEMBER AWARDS

The 2024 Outstanding Advisor was selected by a committee of past winners: Ramak Asgari, *CAH '99*, was recognized as the 2024 Outstanding Advisor by Executive Councillor Colleen L. Hill-Stramsak. Ms. Asgari was unable to attend the banquet and will receive \$1,000, and another \$1,000 will be presented to San Jose State University's College of Engineering discretionary fund.

The alumni recognition selection committee was charged with selecting the recipients of the TBP-McDonald Mentor Award and the Distinguished Alumni Award.

DISTRICT DIRECTORS:

District 1

Michael C. Munsey
Lauren J. Swett
Scott M. Trocchia

District 2

Lara L. Konieczkowski
John Moore
Anthony M. Olenik
Sandhiya Walker

District 3

Linda Kordi
Matteo Sanchez-Dahl

District 4

Joseph P. Blackford
Steven R. Harper

District 5

Josuan Hilerio Sanchez
Brent Weinberg

District 6

Ellen S. Styles

District 7

Sergei Akhmatdinov
Lauren H. Logan
Brock Stephan
Michael Ustes

District 8

Bruce J. DeVantier
Teresa Hutton
Lisa Matta

District 9

Brent Barcus
Christian Branch
Nicholas Divilbiss

District 10

Avi Majumdar
Natalie Monzavifar
Jose E. Suarez

District 11

Maggie Goshert
Rebecca Seemann

District 12

Kyle Barton
Matthew T. Pittard
Rob Streeter

District 13

Scott Schmucker
C. Christopher Stemple

District 14

Jeff S. Zola

District 15

Daniel T. Kruusmagi
Elson Liu
Thomas Merritt

District 16

Neal T. Bussett
Sam Rokni



District 8 alumni and collegiate members at the 2025 Convention.

ENGINEERING FUTURES FACILITATORS:

District 1

Mike D. Czebatul

District 2

Scott Trocchia

District 3

Christie R. Hasbrouck

District 4

Joseph P. Blackford
Richard Della Rovere

District 5

Abe Atte
Luis Torrens Sotomayor

District 6

R. Tracy Choat
Wendy A. Harper
Amy C. Kurr
Ellen S. Styles
Robert Styles

District 7

Shelton Caruthers
Dirk J. Colbry
Kathleen L. Colbry
Mark Luchini

District 8

Carmen Daoud

District 9

Timothy J.F. Luchini

District 10

Prince Kumar

District 11

Christopher B. Eaker
Angadbir Sabherwal

District 12

Wayne B. Paugh
Julia Pimentel

District 13

William P. Cleveland
Chet Date
Amy Irwin Ball
Dennis J. Tyner

District 14

Cheryl Cheng
Russ W. Pierce

District 15

Yue C. Chang
Sue Holl

District 16

Scott V. Eckersall

The 2024 TBP-McDonald Mentor Award was presented to Steve E. Watkins, Ph.D., *MOB '83*. The 2024 Distinguished Alumni Awards were presented to: Adedeji B. Badiru, Ph.D., P.E., *TN G '79*; William R. Goodin, Ph.D., *CAE '75*; and John W. Steadman, Ph.D., P.E., *WYA '64*.

The 2024 Laureates were selected by a committee of District Directors. They are: Derrick Bailey IV, *TNA '24*, for service; Amanda Stone, *AZ B '23*, for achievements in the arts; Raafay Uqaily, *WVA '23*, for service; and Matthew Yee, *IND '24*, for achievements in the arts.

During the year, the Executive Council gave 31 Resolutions of Appreciation and 5 Distinguished Service Awards to collegiate chapter advisors and Association Officials for service to TBPI.

PROGRAMS

Fifteen of the sixteen districts held at least one in-person conference last year. Districts met during the 2024 Convention and Directors visited chapters during the year. The Executive Council continued suspension of the June Meeting of Association Officials to reduce expenses, but plans are in place to conduct an in-person meeting in June 2026.

ENGINEERING FUTURES

The Engineering Futures Program presented 40 training sessions at 62 collegiate chapters to 1,142 individuals by 17 volunteer facilitators to develop the leadership skills of student members during 2024-25.



Image left: Taylor Richardson, *KY G '25*, joined at Western Kentucky Univ. in Oct. 2024.

SCHOLARSHIPS

The 27th group of 253 TBPI Scholars will complete their undergraduate engineering studies in 2025-26. All scholars receive a cash grant of \$1,000 or \$2,000 for their academic year of study. Since the program began in 1998, Tau Beta Pi has given and committed more than \$7 million to 4,401 students.

In the TBPI Chapter Performance Scholarship Program, \$4,000 in scholarships were available to students selected by 8 chapters. Six \$1,500 scholarships were funded by the Society (for a 27-year total of 160) in 2024-25 for incoming freshman engineering students through the national program conducted by the Society of Automotive Engineers (SAE).

FINANCES

The financial condition of TBPI at the close of the fiscal year was strengthened by unrealized gains in the trust as well as strong levels of dividends and distributed capital gains. Excess revenue over expenses was \$3,364,000. Assets increased in 2024-25 by \$3,260,000 to a total of \$49,163,000.

FINANCIAL POSITION STATEMENT

The multiple named trust funds are commingled and invested under the jurisdiction of the TBPI Trust Advisory Committee. The trustee and investment advisor is Mercer Investments while custodian of the trust funds was jointly the responsibility of Vanguard and Charles Schwab as of July 31, 2025.

Investment earnings of the funds, less trustee fees and including capital gains, are used to pay for: Fellowship and Scholarship stipends, magazine delivery to *The Bent* life subscribers, project grants to chapters in the MindSET and Greater Interest in Government Programs, supporting the Convention, and financing activities of the collegiate chapters. A breakdown of the portion of the trust for each major program area is shown to the left.

Overall, net earnings of the investments, including security sales and market gains, were 9.6%; the previous year's figure was 12.0%. Paid investment earnings were \$3,017,000; net investment market gains were \$1,074,000.

FELLOWSHIPS

The 92nd fellowship group, comprising 31 students, all but one with financial support, will do graduate work in 2025-26 and was announced in the Summer 2025 issue. Fellows with financial support receive \$10,000 each.

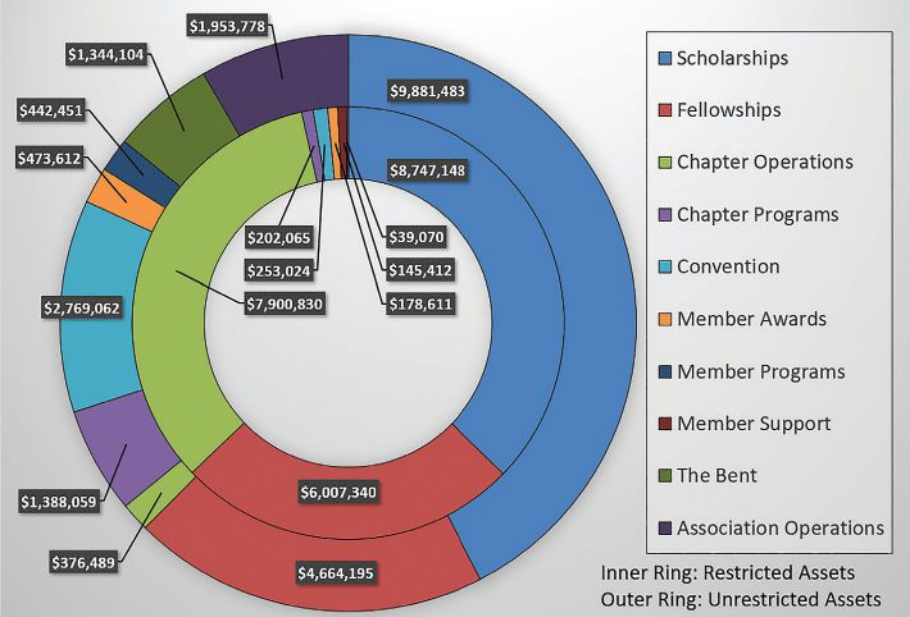
GRANTS

The Council made no grant under either the Greater Interest in Government (GIG) or the Student Assistance Programs.

MINDSET PROGRAM

MindSET promotes the support of math and science programs through hands-on activity sessions that contribute to enhanced preparation of STEM students in the K-12 system. Ten alumni and collegiate chapters hosted activity sessions with local schools in the past year. At the close of the fiscal year, more than 12,500 elementary, middle, and high school students had participated in MindSET sessions.

Major Components of the Trust Investments on July 31, 2025



Securities held by the trustee on July 31, 2025, are carried at market value of \$45,871,000, an increase of 7.7% from the previous year, and comprise holdings in 8 non-overlapping, no-load mutual funds. Equity securities constituted 80% of the total trust funds.

The current liability in Fellowships and Scholarships is for those stipends committed in 2024-25 for payment in 2025-26 to student recipients. The 2025 Convention liability includes the assessments paid by new initiates during the year and \$10,000 in gifts from corporate and university sponsors. Deferred subscription liability of *The Bent* is for both annual subscriptions and the four-year subscriptions for new members included in the Association's initiation fee. The liability for delivering future magazines under four-year subscriptions is entered on the books at the time of initiation.

Decreases in life subscription liability of *The Bent* were countered by 82 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, 2025, at their enrollment-fee prices, less an actuarial proportion of \$1,326,000 recognized as revenue since 2004. Upon the death of a life subscriber, 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 \$3,365,000 mainly due to the increase of value of investments of \$3,297,000 and \$86,000 in decreased current liabilities including \$60,000 in accrued expenses. One of the Association's charitable gift annuitants passed away during the fiscal year which lowered our future annuity liabilities. A subsidiary report details the changes during the year in individual funds, which posted favorable results due to market increases.

STATEMENT OF ACTIVITIES

Chapter and initiation fees (shown less *The Bent* subscription and Convention support) increased by \$21,000 primarily due to a higher number of initiates.

Convention revenue consists of assessments for the 2024 Convention, \$61,000 in gifts, and \$59,000 from alternate delegates and visitors.

Publication revenue for *The Bent* increased by \$10,000 due to increased advertising and additional student initiate revenue; expenses dropped slightly by \$8,000 due to a decrease in the number of copies printed and mailed. Total investment earnings and market gain on the Life Subscription Fund decreased by \$16,000. In 2025-26, the invested fund gained \$0.96 per life copy delivered, compared with the previous year's gain of \$1.03. Expenses per life copy exceeded revenue by \$0.23, versus last year's loss of \$0.20 per copy.

The total of interest and dividends in 2025-26 increased by \$1,611,000. The net gain on investments was \$998,000 reflecting reported changes in market value.

The 11 major chapter programs (denoted with a (C) in front of their name under Expense) usually reflect an operating loss. Convention expenses dropped by \$86,000 and include the cost of attendance by one student delegate from each collegiate chapter, alternate delegates, alumni delegates, chapter advisors, and visitors — but not by Association Officials. Part of the decrease reflects a less expensive Convention location in Rapid City, SD, vs. Atlanta, GA.

Expenses for Fellowships and Scholarships increased by \$20,000 because more scholarships and fellowships were given. Revenue for these awards includes matching gifts from corporations, alumni contributions specifically earmarked by donors, and trust earnings. Fellowships and scholarships comprise the major philanthropic program of the Society — made possible by gifts from alumni, friends, and participating corporate firms.

CONTRIBUTIONS FROM ALUMNI

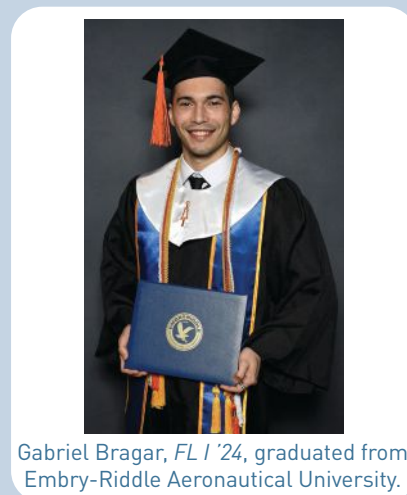
Total contributions and bequests decreased by \$240,000 during the fiscal year. Total revenue received from bequests decreased by \$469,000 which was offset by a \$227,000 increase in gifts for the Chapter Endowment Initiative and a \$65,000 increase in gifts for other programs.

Support by alumni amounted to gifts totaling \$2,273,000 (down 8.5%) from 7,740 donors (down 9.6%), including 167 donations from new donors (down 49.9%). Unrestricted giving totaled \$1,052,000 from 7,620 donors versus \$1,111,000 last year from 8,501 donors. Included in the total is \$41,000 allocated to the Fellowship and Scholarship Programs from 212 gifts received from 67 companies that match gifts from employees.

The Society discontinued its affiliation with the CFC in 2017 due to increased expenses which have negatively impacted the funds. Tau Beta Pi still received more than \$430 in CFC support this year.

INITIATION FEES

Tau Beta Pi's low Association initiation fee covers the cost of the official badge, membership certificate, copies of the Constitution and Bylaws and Information Book, and a four-year subscription to *The Bent*.



Gabriel Bragar, FL / '24, graduated from Embry-Riddle Aeronautical University.

The Top 10 Fellowship and Scholarship Funds by Value on July 31, 2025

FUND	2025	2024
Record Fellow/Scholar Fund *	\$7,850,000	\$7,523,000
Stabile Scholarship Fund	6,417,000	6,091,000
TBP Fellowship Fund	2,965,000	2,853,000
Fife Fellow/Scholar Fund +	2,350,000	2,041,000
Hennis Fellowship Fund	668,000	620,000
Best Fellowship Fund	648,000	592,000
Forge Scholarship Fund *	645,000	638,000
Stark Fellowship Fund	597,000	564,000
Anderson Fellowship Fund	536,000	509,000
Dodson Fellow/Scholar Fund ^	530,000	501,000

* Fund is unrestricted, designated by the Executive Council
 + Fund is held by an external entity for Tau Beta Pi
 ^ Fund is partially unrestricted, designated by the Executive Council

The Tau Beta Pi Association Statement of Financial Position on July 31, 2024 and 2025

ASSETS

CURRENT ASSETS:	2025	2024
Cash and Cash Equivalents	\$ 578,635	\$ 770,369
Accounts Receivable		
Chapters	0	0
Student Loans	18,078	18,078
<i>The Bent</i> Life Sub. Installments	3,452	3,377
Pledges	188,127	256,109
Trust Contributions	0	25,000
Other	12,697	11,357
Total Receivables	222,354	313,921
Inventory	106,442	102,737
Split-interest Agreements, current portion	2,834	3,009
Prepaid Expenses	81,324	65,670
Total Current Assets	\$991,589	\$1,255,706
DEPRECIABLE:		
Furniture and Equipment	168,030	206,116
Less Accumulated Depreciation (108,902)	(108,902)	(118,691)
Total Depreciable	\$59,127	\$87,245
OTHER ASSETS:		
Investments	45,888,667	42,591,802
Split-interest Agreement, net of current portion	2,223,750	1,967,586
Total Other Assets	\$48,112,417	\$44,559,388
TOTAL ASSETS	\$49,163,133	\$45,902,519

LIABILITIES + NET ASSETS

CURRENT LIABILITIES:	2025	2024
Accounts Payable		
Chapters	\$ 89,819	\$ 90,695
Member Awards	17,500	16,000
Fellowships/Scholarships	815,000	808,250
Other	25,304	42,445
Accrued expenses	62,503	102,833
Deferred Convention revenue	106,535	109,140
Deferred <i>Bent</i> revenue, cur.	91,206	82,487
Annuities payable, cur. portion	19,900	33,037
Bank Loan	0	0
Total Current Liabilities	\$1,227,767	\$1,284,888
<i>The Bent</i> Deferred sub. revenue	112,401	118,558
<i>The Bent</i> life subscriptions	964,643	957,191
Annuities payable, net of cur. portion	91,588	122,135
Total Long-term Liabilities	\$1,168,632	\$1,197,884
TOTAL LIABILITIES	\$ 2,396,399	\$ 2,482,772
NET ASSETS:		
Unrestricted:		
Undesignated	369,389	346,903
Designated	22,923,845	21,913,004
Donor restricted	23,473,500	21,142,244
TOTAL NET ASSETS	\$46,766,734	\$43,402,151
TOTAL LIABILITIES & NET ASSETS	\$33,186,746	\$45,884,922

The initiation fee has been \$55 since August 1, 2016, and includes \$10 that is used for partial support of the annual Convention. Due to increasing Convention costs over the next three fiscal years, the initiation fee will increase to \$60 on August 1, 2025 through July 31, 2028.

STUDENT LOANS

No new loans were made to members in 2024-25. No loan was repaid and none were written off during the year, leaving seven outstanding on July 31, 2024, with a principal balance of \$18,078. Since the program's inauguration in 1932, 1,807 loans have been made to student members for a total of \$913,575.

PUBLICATIONS

During 2024-25, the four issues of *The Bent* contained a total of 208 pages and 354,000 copies were delivered to paid subscribers. This represents a decrease of 7,000 paid copies compared to the previous year's circulation total.

Engineering and graduate school recruitment advertising for the year totaled 3.5 pages, a 75% increase from the previous year. Total production cost of the magazine per paid copy was \$1.20, down from \$1.23 the preceding year.

New life subscribers to *The Bent* numbered 82 (down from 106), bringing total life subscriptions to 74,169. Of all the life subscribers enrolled since 1929 when the plan was instituted, 18,499 are deceased, and their fees totaling \$500,458 have been transferred to the Fellowship Fund in accord with the Constitutional requirement.

An average of 13 copies per issue in 2024-25 were delivered to annual renewal subscribers, 32,421 copies to original four-year subscribers, and 56,126 copies to life subscribers, for a total of 88,560 paid copies per issue.

The total number of paid copies for the *Summer 2025 Bent* was 89,351.

The Association is indebted to the alumni who serve as judges and writers of the Brain Ticklers column: K. D. Berthold, J. C. Rasbold, J. R. Stribling, and F. J. Tydeman. A special thanks goes out to Fred Tydeman for his 50+ years as a Brain Ticklers judge!

THE BULLETIN

During 2024-25, the four issues contained a total of 62 pages, which are all available on our website. Published chiefly for sharing information with student members, officers, and advisors of the collegiate chapters, the newsletter is a valuable means of exchanging project ideas and distributing advice and guidelines related to chapter operations.

OTHER COMMUNICATIONS

A new brochure for recent graduates was created and printed in early 2025. Other materials were updated and reprinted throughout the year.

The Tau Beta Pi Association

Statement of Activities

For The Year Ended July 31, 2025

For The Year Ended July 31, 2024

Revenue:

	DONOR UNRESTRICTED	DONOR RESTRICTED	TOTAL
Initiation and chapter fees and fines	\$ 276,003	0	\$276,003
Chapter and individual sales	172,509	0	172,509
Contributions and bequests	1,356,054	881,698	2,237,752
Convention	195,644	0	195,644
Bent publication	103,004	0	103,004
Net life subscription fee transfer	(2,112)	0	(2,112)
Student loan interest	0	0	0
Miscellaneous/ Net gain on equipment sales	27,235	0	27,235
Interest and dividends	1,725,042	1,404,945	3,129,987
Net gain (loss) on investments	571,698	426,564	998,262
Change in value of split-interest agreements	0	255,988	255,988
Net assets released from restrictions	637,940	(637,940)	0
TOTAL REVENUE	\$5,063,017	2,331,255	\$7,394,272

	DONOR UNRESTRICTED	DONOR RESTRICTED	TOTAL
Initiation and chapter fees and fines	\$255,139	0	\$255,139
Chapter and individual sales	169,396	0	169,396
Contributions and bequests	1,847,192	631,960	2,478,882
Convention	272,286	0	272,286
Bent publication	93,933	0	93,933
Net life subscription fee transfer	32,362	0	32,162
Student loan interest	0	0	0
Miscellaneous/ Net gain on equipment sales	33,362	5,000	38,362
Interest and dividends	853,916	664,793	1,518,679
Net gain (loss) on investments	1,834,409	1,294,734	3,129,143
Change in value of split-interest agreements	0	379,292	379,292
Net assets released from restrictions	523,974	(523,974)	0
TOTAL REVENUE	\$5,915,769	2,451,505	\$8,367,274

Expense:

	DONOR UNRESTRICTED	DONOR RESTRICTED	TOTAL
Program Services			
(C) Advisor and Award Programs	\$46,150	0	\$46,150
Alumni Program	124,454	0	124,454
Alumnus Recognition Programs	7,723	0	7,723
Bent publication	419,536	0	419,536
(C) Bulletin production	51,624	0	51,624
(C) Chapter and initiate supplies	519,281	0	519,281
(C) Convention	668,805	0	668,805
(C) Cost of chapter and individual sales	223,951	0	223,951
(C) District Program	283,297	0	283,297
(C) Engineering Futures Program	56,973	0	56,973
Fellowship & Scholarship Programs	894,807	0	894,807
(C) Greater Interest in Government Program	3,955	0	3,955
(C) K-12 MindSET & NEST Programs	20,951	0	20,951
(C) Laureate Program	23,119	0	23,119
(C) Student Assistance Program	1,889	0	1,889
Student Loan Program	7,380	0	7,380
TOTAL PROGRAM SERVICES	\$3,353,895	0	\$3,353,895
General + Administrative	350,815	0	350,815
Alumni Giving Program	324,979	0	324,979
TOTAL EXPENSES	\$4,029,689	0	\$4,029,689

	DONOR UNRESTRICTED	DONOR RESTRICTED	TOTAL
Program Services			
(C) Advisor and Award Programs	\$43,249	0	\$43,249
Alumni Program	114,106	0	114,106
Alumnus Recognition Programs	6,361	0	6,361
Bent publication	427,272	0	472,272
(C) Bulletin production	45,509	0	45,509
(C) Chapter and initiate supplies	472,829	0	472,829
(C) Convention	753,531	0	753,351
(C) Cost of chapter and individual sales	198,256	0	198,256
(C) District Program	280,124	0	280,124
(C) Engineering Futures Program	48,311	0	48,311
Fellowship & Scholarship Programs	875,151	0	875,151
(C) Greater Interest in Government Program	3,298	0	3,298
(C) K-12 MindSET & NEST Programs	20,147	0	20,147
(C) Laureate Program	22,577	0	22,577
(C) Student Assistance Program	1,495	0	1,495
Student Loan Program	5,835	0	5,835
TOTAL PROGRAM SERVICES	\$3,318,051	0	\$3,318,051
General + Administrative	329,972	0	329,972
Alumni Giving Program	321,583	0	321,583
TOTAL EXPENSES	\$3,969,606	0	\$3,969,606

Change in Net Asset:

	DONOR UNRESTRICTED	DONOR RESTRICTED	TOTAL
Net assets, beginning of year	\$22,259,907	\$21,142,244	\$43,402,151
Net assets, end of year	23,293,235	23,473,499	46,766,734
CHANGE IN NET ASSETS	\$1,003,328	\$2,331,255	\$3,364,583

	DONOR UNRESTRICTED	DONOR RESTRICTED	TOTAL
Net assets, beginning of year	\$20,313,743	\$18,690,739	\$39,041,481
Net assets, end of year	22,259,906	\$21,142,244	\$43,402,149
CHANGE IN NET ASSETS	\$1,946,163	\$2,451,505	\$4,397,668

Tau Beta Pi's presence on social media continued to develop. Nearly 39,000 members are part of our LinkedIn group, 5,582 follow our Facebook page, and 3,213 follow us on Instagram. In 2025, we launched a new Bluesky account. Our Discord server hosts 1,600+ members and provides important announcements, a forum for questions, and opportunities to meet other Tau Bates.

A new edition of our website was launched in 2024 with an updated design and new organizational structure to make valuable content easier to find. Check it out at: www.tbp.org/home.cfm.

A new version of the electronic reporting system has been under development for the past year. Final testing is expected to take place during the fall academic term with roll out to all chapters expected in early 2026.

The electronic reporting system is designed for chapter officers and is available at www.tbp.org/tbpelig.

CURTIS D. GOMULINSKI is the Executive Director of The Tau Beta Pi Association. He is the fourth member to hold this position. Curtis has a bachelor's degree in electrical eng'g from Wayne State University and a master's degree in computer science & eng'g from the University of Michigan.

CHAPTER ENDOWMENT INITIATIVE

The Chapter Endowment Initiative (CEI) program, launched in Spring 2014, allows alumni, companies, and foundations to permanently endow the Association's activities that support any of our 259 active collegiate student chapters.

MINIMUM GIFT AMOUNT:

The minimum gift being accepted for this initiative is \$5,000. All checks received that are designated for this initiative in an amount less than \$5,000 will be paid into Tau Beta Pi's annual fund which supports the same programs as the initiative.

HOW YOU CAN HELP:

There are a number of ways to support this initiative. Checks can be made to: Tau Beta Pi – The Engineering Honor Society
Attention: Curtis Gomulinski, Executive Director, P.O. Box 2697, Knoxville, TN 37901-2697.

Other options include gifts of highly appreciated stock held for over one year as well as matching gifts, IRA rollover gifts, and including Tau Beta Pi in your estate plans.

TAX-DEDUCTIBLE:

Gifts through this initiative will be reflected in an individual's total giving to TBP. As a non-profit organization, we are exempt from federal income taxes under Section 501(c)(3) of the Internal Revenue Code. Your gift is tax-deductible to the full extent allowed by law.

THE CHAPTER ENDOWMENT INITIATIVE:

You can learn more about the progress and developments of the CEI on our website, <https://www.tbp.org/?CEI> or by contacting Director of Development & Communications Sherry Jennings-King, *TN Alpha '93*, by phone at (612) 226-2922 or by email at s.jennings-king@tbp.org.



Newly Received Gifts & Pledges

Anonymous

TEXAS ALPHA — \$119,760
University of Texas at Austin

Kenneth P. Gibbs, Ph.D., *MO Γ '76*

FLORIDA ZETA — \$96,000
Florida Institute of Technology

John F. Angle, M.D., *NY Δ '82*

NEBRASKA ALPHA — \$25,000
University of Nebraska-Lincoln

Beverly & Kenneth R. Jinkerson, *MO B '75*

MISSOURI BETA — \$25,000
Missouri University of Science & Technology

Randall J. Laperriere, *MA Θ '92*

MASSACHUSETTS THETA — \$10,000
University of Massachusetts Lowell

Michael & Tina Pierce, *CO A '90/'89*

COLORADO ALPHA — \$10,000
Colorado School of Mines

Paul N. Dackow, *MD A '76*

MARYLAND ALPHA — \$7,500
The Johns Hopkins University

Shelton D. Caruthers, Ph.D., *LA Γ '89*

LOUISIANA GAMMA — \$5,508
Louisiana Tech University

Robert R. Bailey, *TX E '70*

TEXAS EPSILON — \$5,000
University of Houston

Francois R. Blasini, Ph.D., *PR A '82*

PUERTO RICO ALPHA — \$5,000
University of Puerto Rico

Larry L. Coates, *MI Γ '78*

KENTUCKY ALPHA — \$5,000
University of Kentucky

Charles T. Dickson, *GA A '84*

GEORGIA ALPHA — \$5,000
Georgia Institute of Technology

Irwin M. Jacobs, ScD., *NY Δ '56*

CALIFORNIA PSI — \$5,000
University of California, San Diego

†Howard E. Jessen, *CA B '46*

CALIFORNIA BETA — \$5,000
California Institute of Technology

David D. Kilzer, *IA A '96*

VIRGINIA EPSILON — \$5,000
Virginia Commonwealth University

Nastassja A. Lewinski, Ph.D., *TX Γ '06*

VIRGINIA EPSILON — \$5,000
Virginia Commonwealth University

Richard C. Temple, P.E., *CA Θ '90*

PENNSYLVANIA MU — \$5,000
Penn State Erie, Behrend College

Open Challenge Matches (minimum \$5,000 gift)

- Tau Beta Pi received a bequest from the estate of **Charles F. Chatfield, Ph.D., *NY B '32***, of which \$20,000 was earmarked as a challenge match in support of the New York Beta Chapter at Syracuse University. To date, no matches have been received — four are needed to complete this challenge.
- **Daniel M. Brandt, *IN D '74***, initiated a challenge match of \$20,000 toward the endowment of the Indiana Delta Chapter at Valparaiso University. Four gifts of \$5,000 are needed to complete this challenge.
- **Nick A. Farmer, *MD B '68***, set up a challenge match of \$20,000 toward the endowment of the Kentucky Alpha Chapter at the University of Kentucky. To date, we've received three matches of \$5,000 — one more is needed to complete this challenge.
- **James B. Planeaux, Ph.D., *IN G '82***, launched a challenge match of \$20,000 toward the endowment of the Minnesota Alpha Chapter at the University of Minnesota Twin-Cities. Four gifts of \$5,000 are needed to complete this challenge.
- **Robert H. Tolson, *VA B '58***, initiated a challenge match of \$25,000 toward the endowment of the Virginia Beta Chapter at Virginia Tech. To date, one match has been received — four more are needed to complete this challenge.
- **Robert "Dudley" White, *VA A '76***, launched a challenge match of \$20,000 toward the endowment of the Virginia Epsilon Chapter at Virginia Commonwealth University. Two gifts of \$5,000 are needed to complete this challenge.

Endowed Chapters (35) with \$100,000 or more in cash and pledges:

ARIZONA ALPHA

Univ. of Arizona — \$105,000

CALIFORNIA DELTA

Univ. of Southern California — \$100,000

CALIFORNIA EPSILON

Univ. of California, LA — \$100,000

CALIFORNIA UPSILON

CA State Univ., Sacramento — \$100,000

COLORADO ZETA

U.S. Air Force Academy — \$100,000

FLORIDA GAMMA

Univ. of South Florida — \$105,000

FLORIDA ZETA

Florida Inst. of Tech. — \$104,000

ILLINOIS ALPHA

Univ. of Illinois at
Urbana-Champaign — \$187,520

INDIANA GAMMA

Univ. of Notre Dame — \$125,000

IOWA ALPHA

Iowa State Univ. — \$110,289

LOUISIANA ALPHA

Louisiana State Univ. — \$100,000

MARYLAND BETA

Univ. of Maryland — \$135,000

MASSACHUSETTS BETA

MIT — \$103,000

MICHIGAN BETA

Michigan Tech. Univ. — \$100,000

MICHIGAN GAMMA

Univ. of Michigan — \$204,912

MICHIGAN EPSILON

Wayne State Univ. — \$250,000

MICHIGAN ZETA

Kettering Univ. — \$100,000

MISSISSIPPI ALPHA

Mississippi State Univ. — \$120,000

MISSOURI BETA

Missouri Univ. of S&T — \$125,000

MISSOURI GAMMA

Washington Univ. — \$100,000

NEW JERSEY ALPHA

Stevens Institute of Tech. — \$105,228

NEW JERSEY DELTA

Princeton Univ. — \$100,000

NEW YORK GAMMA

Rensselaer Polytechnic Inst. — \$110,000

NEW YORK DELTA

Cornell Univ. — \$105,000

OHIO ALPHA

Case Western Reserve Univ. — \$100,000

OHIO BETA

Univ. of Cincinnati — \$100,000

OHIO GAMMA

Ohio State Univ. — \$100,000

OHIO EPSILON

Cleveland State Univ. — \$100,000

SOUTH DAKOTA ALPHA

SD Mines — \$204,675

TENNESSEE ALPHA

Univ. of Tennessee — \$105,000

TEXAS ALPHA

Univ. of Texas at Austin — \$200,000

TEXAS BETA

Texas Tech Univ. — \$100,113

VIRGINIA ALPHA

Univ. of Virginia — \$115,000

WEST VIRGINIA BETA

West Virginia Tech. — \$108,000

WYOMING ALPHA

Univ. of Wyoming — \$100,000

The goal of the Chapter Endowment Initiative is to endow all collegiate chapters to provide permanent funding for the activities that benefit the students of those chapters. Chapters with support above \$80,000 are eligible to receive grants to support their activities; Headquarters will contact the chapters once funding is available.

ALABAMA ALPHA \$5,000	CALIFORNIA TAU \$5,000	IOWA BETA \$35,000	MONTANA ALPHA \$5,000	PENNSYLVANIA BETA \$45,301	TEXAS ZETA \$15,000
ALABAMA GAMMA \$40,000	CALIFORNIA PSI \$40,000	KANSAS BETA \$5,000	NEBRASKA ALPHA \$75,000	PENNSYLVANIA GAMMA \$5,000	TEXAS ETA \$15,000
ALABAMA DELTA \$5,000	COLORADO ALPHA \$70,000	KENTUCKY ALPHA \$35,000	NEW HAMPSHIRE BETA \$10,200	PENNSYLVANIA DELTA \$5,000	TEXAS THETA \$5,000
ALABAMA EPSILON \$5,000	COLORADO BETA \$20,000	LOUISIANA BETA \$10,000	NEW MEXICO BETA \$20,000	PENNSYLVANIA ZETA \$10,000	TEXAS IOTA \$5,000
ARIZONA BETA \$10,000	CONNECTICUT BETA \$5,000	LOUISIANA GAMMA \$5,508	NEW YORK BETA \$78,707	PENNSYLVANIA ETA \$10,000	TEXAS KAPPA \$5,000
ARKANSAS ALPHA \$5,000	DELAWARE ALPHA \$10,000	LOUISIANA EPSILON \$15,000	NEW YORK ETA \$5,000	PENNSYLVANIA THETA \$50,000	TEXAS NU \$40,031
CALIFORNIA ALPHA \$50,000	D.C. ALPHA \$5,000	MARYLAND ALPHA \$12,500	NEW YORK THETA \$20,000	PENNSYLVANIA MU \$5,000	VERMONT ALPHA \$10,000
CALIFORNIA BETA \$50,084	FLORIDA ALPHA \$15,000	MARYLAND GAMMA \$10,000	NEW YORK KAPPA \$27,571	PENNSYLVANIA LAMBDA \$30,000	VERMONT BETA \$30,000
CALIFORNIA GAMMA \$72,000	FLORIDA EPSILON \$14,659	MARYLAND EPSILON \$5,000	NEW YORK MU \$15,000	PUERTO RICO ALPHA \$15,000	VIRGINIA BETA \$80,069
CALIFORNIA ZETA \$74,000	GEORGIA ALPHA \$60,886	MASSACHUSETTS EPSILON \$5,000	NEW YORK NU \$5,000	RHODE ISLAND ALPHA \$20,000	VIRGINIA EPSILON \$30,000
CALIFORNIA ETA \$35,000	ILLINOIS BETA \$5,000	MASSACHUSETTS THETA \$10,000	NEW YORK RHO \$5,725	RHODE ISLAND BETA \$20,000	WASHINGTON ALPHA \$20,000
CALIFORNIA THETA \$5,000	ILLINOIS GAMMA \$30,857	MICHIGAN ALPHA \$50,000	NORTH CAROLINA EPSILON \$5,000	TENNESSEE BETA \$10,000	WISCONSIN ALPHA \$53,120
CALIFORNIA LAMBDA \$5,000	INDIANA ALPHA \$50,000	MICHIGAN ETA \$5,075	OHIO DELTA \$35,000	TEXAS GAMMA \$5,000	WISCONSIN BETA \$5,000
CALIFORNIA MU \$5,000	INDIANA BETA \$10,000	MICHIGAN IOTA \$8,040	OHIO IOTA \$5,000	TEXAS DELTA \$30,000	WISCONSIN GAMMA \$5,000
CALIFORNIA NU \$5,000	INDIANA DELTA \$25,000	MICHIGAN LAMBDA \$10,000	OHIO MU \$10,000	TEXAS EPSILON \$50,389	WISCONSIN EPSILON \$5,000
CALIFORNIA SIGMA \$10,000	INDIANA EPSILON \$30,000	MINNESOTA ALPHA \$45,000	OKLAHOMA GAMMA \$5,000	ANY CHAPTER \$55,000	
			OREGON ALPHA \$10,000		



Ken Gibbs Fully Endows the Florida Zeta Chapter

Engineering was a natural choice for Dr. Kenneth (Ken) Gibbs. As he puts it, "I was probably an engineer from age twelve; I had electrical engineering written all over me." Ken grew up in Westlake, a suburb of Cleveland, Ohio. His mother was a talented piano teacher and his father was an electrical engineer, and had a notable impact on his son. "He had lots of problem-solving skills and great ethical characteristics — I learned a great deal from him. And I think early on, that problem-solving influenced me."

Ken attended Washington University in St. Louis, where he sought out a well-rounded college experience, playing softball, and singing in the choir in addition to his engineering studies. He admits he felt some ambiguity towards Tau Beta Pi and almost didn't join. "I was thinking, what good is this going to do for me, and not, what good is this going to do for others? Later in life I realized there's more to this than my personal experience ... it's the experience of the engineering profession as a whole." Ken also earned M.S. and Ph.D. degrees at the University of Illinois Urbana-Champaign, where he was the first to observe coherent scatter from acoustic-gravity waves in the D-region using nighttime meteor-induced ionization. He began his career as a staff engineer with the Harris Corp., where he developed digital moving map displays for aircraft cockpits and designed software to ingest map and imagery information and custom embedded databases for real-time displays. Ken then joined Northrop Grumman Corp. as an embedded software engineer and designed, integrated, and tested IP networks.

He never intended to be a formal educator, but describes his path to teaching as almost an accident. At an IEEE meeting, a Florida Institute of Technology professor approached him about joining their adjunct faculty. "He recognized something in me that said, this looks like a person who might be suitable to teach." Ken taught various courses and was eventually asked to teach systems engineering courses. After retiring from Northrop Grumman and close to finishing his teaching career, he was asked to lead the ECE senior-design course.

In 2020, Ken and his wife, Claire, moved near the University of Texas at Tyler, where he's a volunteer mentor for their senior design program. When asked what continues to call him back to education, he says he's motivated by the idea of contributing to students' lives. "To take my life experiences and use them to help somebody else get a leg up on their engineering career ... I think it's valuable." This mindset inspired his gifts to endow the Missouri Gamma Chapter at Washington University and now the Florida Zeta Chapter at Florida Institute of Technology through the Chapter Endowment Initiative. "There's value to having Tau Beta Pi around. I tell my students, I want you to be asked by your coworkers, 'Why are you as good as you are?'" Ken believes it's important to relieve the pressures of fundraising from students, and allow for officers to attend Convention. "The experiences they get there, I think, are helping. It nurtures them. It grows them. Giving money for this initiative helps me add value to somebody's life, to help them be better at what they are going to do."



Ken Gibbs (middle) with FL Tech students at a design showcase event during his tenure as advisor for student projects in EE and CE.

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Seeking Executive Council Nominations

The 2026 TBPI Convention will elect three members to serve on the Executive Council (EC). Interested Tau Bates must be nominated by an alumni or collegiate chapter no later than July 1, 2026, to be eligible for election. The Executive Director can work with candidates needing a formal nomination.

Those with experience in a variety of functions: business, finance, management, research, teaching, etc., and those with knowledge in the areas of advising collegiate chapters, alumni relations, branding, fundraising/development, and image enhancement are strongly encouraged to apply.

Read the position description at: www.tbp.org/?ECjob
If you know of a qualified candidate or are interested in learning more, review this letter, at www.tbp.org/?ECnom
Nominations can be sent via email to tbp@tbp.org.

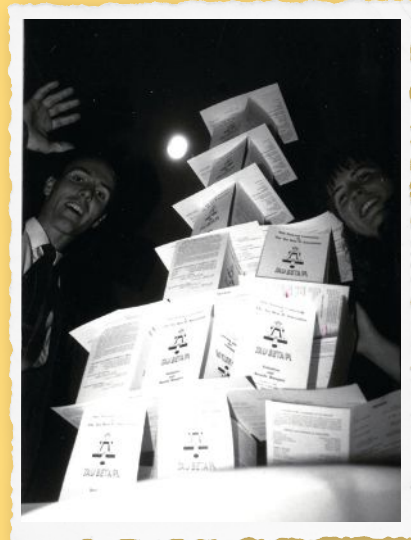
The STORY BEHIND The PHOTO

Announcing the Spring 2026 “Caption This Photo” Contest!

This image, taken during a Convention evening awards banquet, is believed to be from the Association’s 1989 Convention in Columbia, SC. In it, collegiate students use their exceptional structural knowledge to build a “house of Bent programs.” Fortunately, the enthusiasm for their successful construction was caught on camera. What’s your description?

How to Enter: Send us your witty caption(s) for this drawing. If the judges vote yours as one of the **top three** (and you have not been a previous winner), **we’ll send you a TBP t-shirt of your choice!**

Submit your entry using this form: <https://www.tbp.org/?CaptionSub> or mail to *The Bent* of Tau Beta Pi, Caption Contest, P.O. Box 2697, Knoxville, TN 37901-2697.



DEADLINE: FRIDAY, MAY 1

Questions? Contact d.lane@tbp.org

WINNERS of the Winter 2026 “Caption This Photo” Contest:

The judges reviewed 18 imaginative captions devised by 15 Tau Bates. You can read all entries, including captions and results from recent contests, at <https://www.tbp.org/bent-features.cfm#caption>. **If you are interested in serving as one of our judges, contact Dylan Lane at d.lane@tbp.org.**

1st PLACE:

“Nice gesture, but it’s useless without the can opener.”

Hal A. Long, *PA A '69*

2nd PLACE:

“Innovation at its finest: replacing Popeye’s traditional spinach with a can of whup ass.”

James L. Barnhart, *WA B '84*

3rd PLACE:

“When life gives you variables, integrate whup ass over time.”

James L. Barnhart, *WA B '84*

4th PLACE:

“Can one of you Tau Bates calculate the optimal force vector and contact angle to achieve maximum effect with this device?”

Alec G. Richardson, *PA L '87*



▲ Taken at the 1997 Convention in Minneapolis, MN, the can of “whup ass” was given by the Resolutions Committee chair to Steve Pierre Jr., who served as the Convention Chair.

**CONGRATULATIONS TO OUR
WINNERS!**

Alumni Giving

Donor Recognition Clubs

The Donor Recognition Clubs are part of our effort to recognize a donor's total lifetime cumulative giving to Tau Beta Pi. **THANK YOU** to the 4,236 TAU BETA PI ALUMNI and others who made donations to the Association totaling \$1,354,546 between May 1, 2025, and December 31, 2025, most of whom are listed in this issue. The Moore, Forman, and Pre-Club members will be published in a protected PDF with this list on our website at: www.tbp.org/?AGP.

Next year's Spring issue will include gifts from January 1 through December 31, 2026. In addition, we will continue to publish the names of donors, on our website (at the same URL above), whose gifts are received in the quarter aligning with the other three issues of the magazine.

The club names and amounts, established by the TBII Executive Council, are set at the following levels:

\$1 MILLION+ Williams Club

Edward H. Williams Jr., Sc.D.
PA A 1875, Founder of Tau Beta Pi

\$500,000+ Heikes Club

Irving A. Heikes, PA A 1885
1st student member

\$250,000+ Harelson Club

Katharine C. Harelson, KY A 1924
1st Women's Badge (WB) recipient

\$100,000+ Matthews Club

R.C. "Red" Matthews, IL A 1902
1st Sec.-Treasurer of TBII

\$50,000+ Franklin Club

Marjorie A.H. Franklin, KS A 1957
1st woman initiated into Sigma Tau

\$25,000+ Nagel Club

Robert H. Nagel, P.E., NY D 1939
2nd Sec.-Treasurer of TBII

\$10,000+ Clarke Club

Edith Clarke, WB #95
Inventor of graphic calculator

\$5,000+ Evans Club

Henry B. Evans, Ph.D., PA A 1893
1st president of Tau Beta Pi

\$2,500+ Eaves Club

Elsie Eaves, CO B 1920, WB #24
Influential civil engineer

\$1,000+ Downing Club

Lewis K. Downing, MI G 1921
1st Black HBCU engr. dean

\$500+ Moore Club

A.D. Moore, PA G 1915, TBII presi-
dent, Fellowship Program founder

\$250+ Forman Club

George W. Forman, IL A 1941
Led TBII/Sigma Tau merger

NOTES:

- Names preceded by SPEC denote gifts from non-members.
- Names marked with a † symbol are of deceased members in whose memory donations were made either by relatives and friends or through bequests.

\$1 MILLION+ Williams Club

No alumni gifts for this quarter

\$500,000+ Heikes Club

No alumni gifts for this quarter

\$250,000+ Harelson Club

OR A Brandt, Larry Don '67

\$100,000+ Matthews Club

SPEC Anonymous
CA M †Fewell, Thomas Joseph '72
LA A Longwell Jr., Harry J. '63
MI E Anderson, Jim Anton '66
Schmuhl, John Curtis '71
MO B Jinkerson, Ken R. '75
MO G Gibbs, Ken Paul '76
NY Δ Wright, Peter A. '75
OH Γ †Rockow, Ralph Arthur '58
OH E Pasadyn, Ron Chester '70
OH H Merkle, Larry '92
RI A Anonymous '72

\$50,000+ Franklin Club

AZ A Anonymous '02
AZ B Myers, Jerry Elwyn '70
CA B †Jessen, Howard Ellsworth '46
CO A Armentrout, Michael Lee '94
Pierce, Michael Craig '90
Pierce, Tina L. '89
IN Δ Koller, David Christ '62
MD B Crane, Tom Clemson '62
MS A Sinclair, Bill Fredrick Hall '63
NY Γ Donofrio, Nick Michael '67
Tien, Jim M. '66
NY Δ Angle, Fritz F. '82
PA A Elovitz, Ken Mark '75
SD A Johnson, Jerry Allen '92
WY A Schoenborn, Renee Margal '85

\$25,000+ Nagel Club

AR A Vratsinas, Gus M. '67
CA A Masatani, Peter James '04
CA Δ Anderson, Vincent Carl '83
CA E Anonymous '77
CA N Steenhoven, Jerry C. '77
CA T Anonymous '96
CO B Anonymous '78
DC Γ †Keene, Warren Elmer '57
IN A Ford, Steven Richard '80
Sarkisian, Nancy Louise '77
IN Γ Rice Jr., Donald Blessing '61
IA A Faidley, LeVern William '67
MD A Dackow, Paul Nicholas '76
MI A Colbry, Dirk Joel '06
Colbry, Katy Luchini '99
MI Γ Coates, Larry Lee '78
Crouch, Denny Eugene '62
Gomulinski, Curt '01
MS A Jerome, Dennis C. '67
NM B Williams, Jim Calvin '76
NY B Anonymous '80
NY Δ Jacobs, Irwin Mark '56

NY Θ Van Wagenen Jr., Bill Edward '78
NY K Knox, Keith Thomas '70
OH A Salamon Jr., Peter Francis '71
OH Γ Beans, Bill '53
RI B Keddie, Bill Joseph '59
SD A Gomulinski, Tricia Elizabeth '98
TN A Stiles, Larry '71
TX Δ Fox, Craig Alan '77
TX E Bailey, Bob Richard '70
VT B Kisloski, Dick Joseph '67
WV B Teti Jr., John J. '71
WI A Anonymous '64
WY A Steadman, John W. '64
WY A Steadman, Sally Jean '69

\$10,000+ Clarke Club

AL A Duke, Wendell Harris '73
AR A Brotherton Jr., Bob Harold '67
CA B Powers, Dana Auburn '70
Shombert, Lee Alan '79
CA Γ Holmen, Bob Richard '85
Kwok, Munson Arthur '62
Tyson Jr., James J. '58
CA E Tozaki, Ronald Yuji '74
CA Λ Hall, Vickie Lee '86
Holl, Sue '76
CA N Caddock Jr., Richard E. '72
CA Y Alexander, Joseph William '06
Alexander, Rachel Kristin '15
Idenmill, Ethan Matthew '04
Jenkins Jr., Lester Alfred '01
Clair, David Richard '58
Harris, James Robert '68
DE A Kershner, Vance V. '79
Anonymous '70
FL A Biasco, James Randal '78
FL B Crews, Renard Calvin '70
GA A Driggers, Herbert H. '63
IL A Luzbetak, Paul Daniel '96
Tracy, Mark Alfred '86
IL Γ Gross, Rick Charles '80
IN Γ Lucey, Jo Ann '80
Planeaux, Jim Brian '82
IN Δ Brandt, Dan Melvin '74
LA A Comeaux, Keith Andrew '89
MD A Monmonier, Mark '64
MD B Jansen, Russ Onas '74
MA A Bujaucius, Jerry Alan '79
Chace, Brian David '69
Keogh, Brian James '84
Walsh, Eamon Francis '03
Coutts, Robert Bruce '72
Fenton, Harvey Albert '58
MA E Sladek, John Richard '77
Stevens, Janet Marie '72
Cetti, Dick Phillip '70
MA Z Sin, Chi-Kai '88
MA H Laperriere, Randall John '92
MI Γ †Foulke, James Alvin '59
MI Δ Culver, Walter '60
MI H Hock, Darryl Allen '81
MI Λ Repke, Wesley Ryan '09
MO B McHenry, S. Dale '81
NJ B Boysen, Bob Lorenz '63
Mudie, Samuel Hunter '62
Yu, Jeff Chih-ping '89
NJ Δ Slominski, Paul '78
NM B Svendsen, Harold Oliver '58
NY Z Mendel, Jerry M. L. '59
NY I Judd, Bob Paul '78
NC A Johnson Jr., Jim William '77
OH B Zureick, Elizabeth Ann '73
OK A Hall, Ralph Roy '64
Morris, Jay Kevin '81
Lynch, Stan Clark '73
OR A Spector, Scott Jay '74
PA Γ Hettche, Ray Raymond '61
PA H Garcia, Carlos E. '77

SC A Harman, Patrick '65
SC Γ Davis III, Emmett Irwin '79
SD B Ufford, Donald A. '87
TN A Cook, Jim Michael '72
Hopkins, John A. '88
Jarratt, Jim Stroud '68
King III, Phil Woodson '66
Pih, Norm '82
Trundle, Max Don '72
TX A Mickelson, Kent Burdell '77
TX Γ Sandmann Jr., Charles William '82
TX Z Hambrick, Joanna Ruth '86
TX H Nooyi, Raj K. '78
UT A Eide, Eric Norman '89
UT Γ Panatier, Michael James '71
VT A Brand, Ron Parsons '60
VA A Pitzer, William Groh '75
VA B Hogan, James Campbell '70
WA A Eastman, Jim Scoville '53
WV A Baker, Dave Wesley '76
WV B Payne, Michael E. '81
WI A Frazier, Clive '66
Przedpelski, Zygmunt '53

\$5,000+ Evans Club

SPEC Hepting, Jana '24
AL A Roberts, Yvonne Renee '95
AL B Andrzejewski, Joseph Richard '90
AL Γ Braden, James Michael '76
AZ A Chen, Daniel J. '83
Milan, John M. '67
Peterson, Marla Ann '83
Seabury, David G. '82
Story, Franklyn H. '81
AZ B Gunderman, Tony Raymond '89
AR A Kirschman, Randall Keenan '66
CA A Drowley, Clifford Ian '75
CA B Dohner, John Walter '72
CA Γ Fowle, Mark C. '76
Hess, Ken Lafferty '74
Ullman, Marc Albert '83
CA E Testa, Lori Ann '01
CA H Battersby, Les Charles '98
Kruusmagi, Daniel Thomas '13
Temple, Richard C. '90
CA Θ Pickett, Stephen Euan '75
CA I Crews, Brian '70
Domning, Edward Ernest '84
Okpiz, Alex Edward '91
Joy Jr., Robert Lee '66
CA N Treinen, James Patrick '85
CA O Turhollow, Charles Bernard '81
Lindauer, John Arthur '90
CA Y Musser, Jack William '72
CO A Laughlin II, George Thomas '75
CO Δ Chatfield, Larry Allen '71
Pressman, Roger Stewart '69
Tylaska, Theodore Thomas '85
DE A Hyer, Frank Sidney '58
DC B Youssefmir, Paul '78
FL A Bolton, Chuck Houston '62
Botwinik, Steven M. '95
Lewis, Becky Ann '04
Shacter, Phil '79
FL B Jennings IV, Tipton Davis '54
GA A Busbin, Steven J. '83
Anonymous '78
Dickson, Charles Thomas '84
Fawcett, Clint Douglas '92
Mowrey, Dan B. '65
IL A Beanblossom, Todd M. '80
IL B Carter, David William '68
Jaras, Anthony A. '67
IN A Barker, Kenneth Dale '64
Carlson, Richard Alan '70
Palas, Richard Francis '65
Rushworth, James Lynn '58
Teague, Steve Michael '71



Alumni Giving

Evans Club continued

IN B Badger, Jerry Delon '62
IN Γ Buran Jr., Joseph Edward '75
IN Δ Luecke, Edgar Jacob '55
IA A Krambeck, Scott David '82
IA B Carson, David Nethermark '54
 Schwarting, Eugene Raymond '63
 Smull, Warren Lindsey '57
KS A Powell, Rick Steven '80
 Reid, Jack Powell '57
LA A Richardson, John Daniel '72
LA B Vaughan, Robin Marie '81
LA Γ Caruthers, Shelton DeWitt '89
 Poole, Ronald Gene '69
ME A Bragdon, Reginald Glenwood '93
MD A Tate, David Marshall '84
MD B Schaefer Jr., William Joseph '70
 Trimble, Alan Roy '71
MA A Descoteaux, Kenneth Gerard '89
 Lescoe, James Terrence '05
MA B Gaiimo III, Edward Charles '74
 Goldstein, Andrew Carl '69
 McKim, Tom Francis '75
 Nobel, Sanford Millard '58
 Poduska Sr., John William '59
 Raisler, Richard Allen '72
MA Δ Pinkham IV, Tom A. '88
MA Z Smith, Richard Gregory '78
MA H Wotiz, Robert Paul '78
MI A McIntosh, Carl L. '70
 Spindler, Jeffrey David '79
MI B Jenekhe, Samson A. '77
MI Γ Battel, Steven J. '79
 Bell, Lawrence David '68
 Poy, Alfred Lim '91
 Sarns, Richard Norman '76
 Seidel, David Allen '81
MI Δ Ponticello, John Charles '78
 Rose, Jonathan Douglas '81
MI E Boileau, James Maurice '87
 Husak, Philip William '72
MI Z Cookman, Jordan Christopher '94
MI H Hill, Scott S. '83
MI Θ Garrity, William Edwards '70
 Pivitt, Barry Robert '88
MN A Sandell Jr., Nils Richard '70
MS A Boozer, Drayton Daniel '66
MO B Peat, Robert James '79
MO Γ Rossetti, Dave Joseph '74
 Taber, Norma J. '80
MT A Collins, Doug Macnab '71
 Royer, Lindy George '61
NV A Lovekin, James Warren '80
NH A Dycewicz, Vickie Sue '96
NJ A Ghosh, Subhendu '89
NM A Smith, Jeffrey A. '84
NY Γ Brand, Terrance Alan '90
 Gorin, Ralph Edgar '70
 Maniatty, Antoinette M. '87
NY E Freier, Otto Albert '70
 Hellman, Marty Edward '66
 Martin, Kent Richard '66
 Anonymous '54
NY H Kaylor, James M. '88
NY N Sisson, Albert Eugene '66
NY E Kmetzo, John Liston '63
NY O Ribuffo, Michael Rocco '75
NY II Demmel, Hans George '83
NY P Calfa Jr., Frank Salvatore '81
NY T Olenik, Anthony Michael '08
NC A De Haas, Cynthia '91
NC Γ Anapol, Edward '76
OH A Schmucker, Scott William '04
 Whittington, John Thomas '93

OH Γ Becher, Charles David '72
 Condit, Dale O. '66
 Cowan II, Robert Lee '66
 Dunham, Tom E. '65
 Guins, Thomas Sergei '69
OH Δ Penko, Paul Frank '67
OH H Hastings, Hal Leon '78
OH M Bowers, Keith Allen '91
OK A Edwards, Paul Arnaud '87
OR A Cantwell, Gary Kenneth '80
 Hansen, Steven William '69
 Thresher, Bob Wallace '62
PA A Brunner, Thomas Morris '63
 Nisley, Elmer Edward '74
 Wagner, Theodore Walter '71
PA B McGivern, Patrick John '90
PA Γ Robb, Frank Jay '73
PA E Babbitt, Walter Howard '77
PA H Price, Russell William '72
PR A Blasini, Francois Rene '82
 Hilerio Sanchez, Josuan '07
RI A Vascellaro, Jerome Charles '74
SC A Davis, Joseph Howard '91
 Harmon, Leon Carroll '71
SC B Daley, Leslie N. '71
 Eandler, Elizabeth Elaine '98
 Van Zee, John William '75
SC Γ Lowndes III, William '51
TN A Froula, Jim '67
 Riggs, Donna R.H. '87
 Romer, Michael Christopher '04
 Sansom, William B. '64
TN B Pentecost, Gene Edgar '50
TN Δ Chauvin, Wendy M. '89
 Knight, Joseph Brent '93
TX A Stewart, John Dale '78
 Campbell, Robert Fariss '73
 Tran, Tan Dai '87
TX B Wilson, Randy Wayne '97
 Glenn, Stephen W. '66
 Tye III, John M. '67
TX Γ Capshaw, David M. '80
 Jordan, Paul Joseph '90
 Lewinski, Nastassja A. '06
TX Δ Goodson Jr., Alfred Wesley '70
 Porter, Larry Gene '64
TX Θ Barrett, Jerry George '70
 Stokes, F. Xavier '78
UT A Dewey, William Alonzo '67
VT A Kellogg, David Holt '62
 Ketcham, Ken James '68
VA A Agosti, Steven J. '81
 Brown, Lee Merry '88
VA B Jones, John Hamilton '73
 White III, Bill Sheridan '72
 Richmond, Mark David '98
VA Γ Pierce, Russ W. '70
WA A Cass, Robert Dennis '83
WA B Wulff, Kurt Henry '63
WI A Yee, Paul Yuen-Po '70
 Hutton, Teresa Jean '91
WI B Smith, John Gerard '87
 Whittington, Laura Lee '88
WI Δ Whalen, David Alan '91
WY A Cavalli, Matthew N. '98David '98

\$2,500+ Eaves Club

AL A Goodwin, James Joseph '58
 Trapane, Karen Louise '82
AL B Hopper, Jeffrey Clark '78

AL Γ Haggard, Warren O. '94
AK A Dombrowski, Roger Alan '69
 Usibelli Jr., Joseph Emil '81
AZ A Erickson, Kenneth Lynn '68
 Lundquist, Thomas George '72
 Soukup, David Joseph '76
 Stemple, Chris '10
AZ B Latta, David Raymond '89
AR A Hunt, Gary Wayne '84
 Mantooth, H. '85
 Newtown Jr., Glenford Andrew '69
CA A Butner, David Norman '61
 Fong, Kirby William '67
 Hoe, Albert '92
 Magyary, Andrew '65
 Richman, Mitch I. '77
 Selna, Michael William '70
 Wilhoite, W. Clinton '85
CA Γ Marks, Stuart Warren '84
 Orr Jr., Franklin Mattes '69
 Sansbury, James Douglas '66
CA Δ Fernandez, Ferdinand Francis '58
 Moretti Jr., Vincent Carlos '78
 Nakatani, David Takeshi '63
 Zehrbach, Bill Ernest '69
CA E Dobbs, Michael Wayne '66
 Kovar, Linda A. '81
 Simsarian, Greg Garabed '82
 Welstand, Steve Stephen '64
 Wenck, Jim Carl '77
 Yoshizumi, Steven Akira '88
CA Z Overbey, John Kirkwood '77
CA H Clark, William Charles '72
 Khalili, Azita '83
CA Θ Lawson, Wayne Alan '69
CA I Kuspa, Joe Anthony '93
CA Λ Hafer, Edward Henry '70
 Horn, Jeff Ben '79
 Pickles, William Raymond '80
 Yamamoto, Ko '84
 Yung-Rubke, Belinda '80
CA N Chew, James S. B. '84
 Jordan, Patrick Anthony '87
 Smith, Michael P. '84
CA O Alvarez, Desi '75
CO A Rense, John A. L. '74
CO B Aerstin, Franklyn George '64
 Blackwelder, Ron F. '64
 Eason, Ernest Day '71
 Frey, Bryce Alfred '56
CO Γ Mead, Dick Wilson '63
 Merrill, M. '63
 Pearson, Larry '64
CO Δ Mehring, James Warren '72
CT A Fischer, Edward Michael '89
CT B Follette, Jean Marie '73
 Killingbeck, David R. '77
 Leib, David Bernard '61
DE A Remondi, Benjamin William '67
DC A Ingram, Robert Louis '69
 Gathungu, Peter Maina '93
DC B King, David Alan '68
 Murphy, Joseph A. '60
 Roberts, Carol Ann '63
DC Γ Haldeman, Paul Metz '70
FL A Evans Jr., Andrew Joseph '75
 Iwens, Ralph Peter '62
 Layman, Robert William '68
 Passman, Alan Joseph '06
FL B Tilles, Arno William '85
FL Γ Copeland Jr., Edwin '73
 Jones, William David '74
 Lyons Jr., Tom Francis '76
 Paugh, Wayne Bruce '93

FL Δ	Paulley, Jason '93	MA A	Auclair, Jared Robert '01	NV B	Nietling, John J. '90
GA A	Barber, Brian Robert '81		Downs, Allen Gybbon '75	NH A	Scharfe, Alan Charles '78
	DeLoach Jr., Thomas Clifton '69	MA B	Hubelbank, Mark '68	NJ A	Brechka, Thomas Michael '73
	Dishongh, Jefferson Lee '66		Clauss Jr., John Seebold '54		Murphy, Kevin Jay '78
IL A	Rogers, Don Edwin '63		Grossweiler III, Philip J. '72	NJ B	Osborne, Scott Reynard '70
	Buboltz, Lisa Ann '01		Hladik, Karen Jean '78		Cohen, Robert Bruce '77
	Gromala, Edward Joseph '79		Patterson, John Bryan '68		Kaufman, Peter Andrew '84
	Jones, Doug Warren '80		Simpson, Richard Allan '67		Rabin, Dan E. '73
	Krol, Allan Monforte '94	MA Δ	Smallwood, Richard Dale '57	NJ Γ	Rice, Darren Christopher '91
	Ostrodka, David Leon '70		Vlahakes, Gus John '71		Krumins, Aivars Edgars '75
	Rybalko, Michael '11		Adams, Randolph Keith '70		Kunyz Jr., Joseph John '73
	Tatara, Richard '78		Buffinton, Keith William '79		Mauermeyer, Henry A. '72
IL B	Anderson, Robert Francis '62	MA E	DiPerna, Richard Arthur '66		Pecca Jr., John Anthony '87
	Sodoma, Mark Thomas '82		Harty Jr., Frederick Russel '61		Reitsma, David '65
	Uherek, Frank C. '82		Bittner, Douglas E. '83	NJ Δ	Wojslawowicz, Jack Edward '70
IL Γ	Schwartzbard, David Leigh '91		Brunetto, Tom P. '74		Bennett, Karl Edward '76
IL E	Garfield, Bill Michael '83		La Lone, James Caryle '70		Lisle Jr., Thomas K. '69
	Williams, Michael Joe '95	MA Z	Ridlon, Stephen Allan '66	NM A	Meyer, John Edward '81
IL Z	Woyna, Mark Anthony '87		Harrison, C. Brett '64	NM B	Peace, Jeffrey Howard '76
IN A	Ginter, James Lee '67		Kelly, Thomas William '80	NM Γ	Busch, Robert Douglas '72
	Harvey, James Alan '81		Koch, Robert F. '79	NY B	Bakkom, Erik Iver '97
	Hohn, Richard Edward '62		Philbrook, T. Varnum '73		Carr, Donald Joseph '77
	Novy, Robert A. '85	MA H	Poulin, James Edward '66	NY Γ	Phillips, Glen E. '71
	Rea, David Richard '62		Duda, James A. '84		Bazinet, Chris Gerald '79
	Reitz, Richard Alan '63	MI A	Whitley, Norm Lyle '75		Bruch, Charles Gregory '59
	Risa, Kristen '69		Chiti, James D. '71		Buck, Frederick Alan '76
	Shulaker, Edward Ray '72	MI B	Houthoofd, Janet Marie '76		Chamberlin, Donald Melsom '67
	Weigand Jr., Karl Russell '66		Lindgren, Douglas LeRoy '69		Husmann, Donald '52
IN B	Noblitt, Niles Leonard '73		Pearson, Walter Claydon '62		Lequar, James Kay '87
IN Γ	Fitzgerald, Edward John '86	MI Γ	Sandretto Jr., Peter Patrick '64		McCormick, Peter Elliott '80
	Kukla, James Alfred '72		Skaugen, Borg '63		Ordway III, Fred Delancy '69
	Murray, Francis O'Brien '68		Wacker, Don Herbert '52		Stallman, Thomas Frank '59
	Schuster, Gregory Michael '77		Grossman, Michael Alan '88		Thal Jr., Herbert Ludwig '53
IN Δ	Hartman, Richard Carl '63		Holmes, John William '65	NY Δ	Weinberg, Richard Sheldon '81
	Schmalz, Peter B. '69		Karl, Donald Edward '71		Abel, John Fredrick '63
	Valenti, Paul M. '01		Liepa, Mark Albert '81		Elko, Michael Joseph '89
IA A	Coffey, Leo Frederick '64		Margolese, Kate '84		Juister, Milton Henry '64
	Derr, Curtis R. '85		Pace Jr., George Donald '61		Kuehne, Don L. '73
	Harms, Richard Paul '65		Prescott, Thomas J. '69	NY Z	McCloskey III, Charles Carroll '71
	Paris, Stephen Warren '75		Reines, Jose '59	NY H	Keller, Norm Kurt '58
	Pedersen, Robert Dennis '62		Smithies, Henry '49		Schlein, Robert George '72
	Puffett, George E. '83		Washburn, John Robert '69		Stoll, Eric Duane '61
	Shepherd, Kevin John '83	MI Δ	Wentzel, Richard Dimert '60	NY Θ	Beckeman, Bill Jerauld '79
	Wallace, Jean Ellen '81		Eberl, Edward George '74	NY I	Dujmich, Louis Charles '78
IA B	Corrao, Debbie G. '93	MI E	Rossi, Nicholas Michael '63		Neuschaefer, Howard Ernest '65
KS A	Knapp, Roy Marvin '63		Brooks, Vern Eugene '60	NY K	Ronan, Gregory John '81
	Leamon, Rich Gaylord '67		Chudd, Richard Alan '66		Alcaro, Domenic John '87
	Anonymous '82		Durisin, Mike John '81		Allyn, Elwyn George '61
KS B	Brown, Cheryl Ann C. '82	MI Z	Hill-Stramsak, Colleen Lynn '00	NY Λ	Martens, Hinni Robert '57
KS Γ	Bucher, William Alexander '76		Jordan, Gary Lynn '73		Abrardo, Joseph M. '72
	Gemaehlich, Donald Joel '83	MI H	Pettiford, Steven Douglas '72		Moon, Monte Lee '75
KY A	Rhoads, Harold Spencer '68		Czupinski, Glenn Walter '83		Petsche, Frank '78
KY B	Arbaugh, Andrew Carey '95		Grupp, Jeffry Bernard '74	NY M	Meador, Lyla Rebecca '86
	Hundley, John Smith '87		Johnston, Richard '78	NY N	Gluszak, Timothy John '88
	Hundley, Theresa Elisabeth '87		Stramsak, Steve A. '01		Roach, Linda J. '82
	Lasky, William T. '86	MI Θ	Garrity, Stephen Daniels '72	NY Ξ	Smith, Ronald Edmond '72
	Thornton, Patrick Joseph '82	MI K	Seymour Jr., Richard L. '97		Byrnes, Richard Dennis '83
LA A	Compton, Ronnie Ray '72	MN A	Hanson, Henry Arthur '66		Mathews, Joseph Raymond '81
	Nelson Jr., George Gus '52		McDonald, Dan William '82	NY O	Snyder, William Joseph '81
	Smith, Stewart Van '73		Petesck, Douglas John '84		Baxter, Scott Charles '85
	Williams, Colleen Daniel '82	MS A	Tucker, Randy Lewis '83		Imbrogno, Christina '14
LA B	Buesinger, Bob Ford '78		Backus, Alan Orin '78	NY Π	Imbrogno, Joe Michael '12
	Paul Jr., Howard Cochran '80		Backus, Patricia Michel '78		Wong, Richard Yee '94
	Quarles, Harry Fred '74		McKay Jr., Frank Fay '60	NY P	Vebeliunas, Rimas V. '74
LA Γ	Giering III, Edmund Jacob '80		Siler, Raymond David '83	NC A	Daniels, Eric Andrew '85
	Wyche III, James Egbert '59	MO A	Sutphen, Fred Marshall '73		Deitrick, Kurt Frederick '78
LA Δ	Landry, Glen Ray '75		Myles, Thomas Daniel '82		Maybee, Clare Lee '77
	Lejeune, James Joseph '73	MO B	Oehrke, Timothy Chris '75		Phoenix, John Stuart '77
ME A	Gilman, Cynthia Margaret '80		Ash Jr., Richard Lawrence '70		Searle, John Randolph '70
	Jefts, Alan Robert '73		Davis, Jon Timothy '85		Vercaemert, Carol Starnes '76
MD A	Lu, Stanley '95		Fennewald, Gary Joseph '73		Walker, Gary Kenneth '70
MD B	Antony, Roger William '71	MO Γ	Sedovic, Pete Stephen '81		Ando, Robert Ryoichi '73
	Booth, Andrew William '64		Byrne, Clare Theresa '78		Franks, Marla Jane '79
	Brierley, Harold Milton '65	MT A	Goldring, Stanley '64		Hansen, Mikkel Anders '78
	Chase, Ronald John '71		Pearce, Mary Ann '76		Hovis, John Garrison '78
	De Oms, James Howard '68	NE A	Whitcomb, David L. '64		Jackson, James Roy '69
	Himes, Doug Lamar '82		Doerr, Eric Arthur '88		McConnell III, Ezra Lee '83
	Lambrechts, James Russell '73		Gilbreath, Donald Robert '85		Vadnais, Paul A. '73
	Morgan, Anne F. '87		Kaminski, Wayne Alan '79	NC Δ	Hinkle, Mark Otis '96
	Perkins, Michael Joseph '95		Martin, John Craig '85		
	Roberts, Carla '82		Stebue, Milan Ray '74		

BRAIN TICKLERS



Results From Fall

Perfect Scores

Gibbs, Kenneth P.	MO	Γ	'76
*Golemme, Steven S.	IL	A	'20
Griggs Jr., James L.	OH	A	'56
*Kuhn, Walter A.	OH	A	'81
*Norris, Thomas G.	OK	A	'56
*Strong, Michael D.	PA	A	'84
*Wilkinson, Timothy S.	WA	A	'84

Other

Alexander, Jay A.	IL	Γ	'86
Allen, Jonthan M.	MI	Γ	'92
Bannister, Kenneth A.	PA	B	'82
Bernacki, Stephen E.	MA	A	'70
Bertrand, Richard M.	WI	B	'73
Castaline, Alan H.	MA	E	'72
*Chatcavage, Edward F.	PA	B	'80
*Costantino, John T.	NJ	A	'79
*Couillard, J. Greg	IL	A	'89
Dickson, Charles T.	GA	A	'84
Eckley, Paul L.	NV	A	'75
Eid, Ronald J.	CA	A	'77
*Gee, Albert	CA	A	'79
*Gerken, Gary M.	CA	H	'11
Goodrich, Robert W.	CA	B	'81
Grewal, Rashi	NJ	Γ	'09
Hasek, William R.	PA	Γ	'49
Jubin, Eric M.	OH	B	'95
Kimsey, David B.	AL	A	'71
Lalinsky, Mark A.	MI	Γ	'77
Laughlin II, George T.	CO	Δ	'75
Liesner, Kevin R.	OH	I	'84
Manning, Robert J.	MA	A	'88
Marks, Lawrence B.	NY	I	'81
Hertz, Caryn M.	NY	I	'81
Prager, John	Non-member		
McCool Jr., Jim A.	AL	A	'71
McHenry, S. Dale	MO	B	'81
Mitchell, Mike K.	AZ	A	'75
Niccolai, Nilo A.	PA	Γ	'62
Riedesel, Jeremy M.	OH	B	'96
*Roche, James R.	IN	Γ	'85
*Roediger, Robert R.	MO	Γ	'71
Roggli, Victor L.	TX	Γ	'73
Rothe, Zane T.	WI	Δ	'26
*Routh, Andre G.	FL	B	'89
Rowe, Steven A.	ME	A	'81
Serakos, Demetrios	MI	Γ	'78
Sisco, Michael D.	WI	A	'91
*Slegel, Timothy J.	PA	A	'80
Srebnick, David L.	CT	B	'78
Stafford, Michael	Son of member		
Summerfield, Steven L.	MO	Γ	'85
Tellechea, Gabriel	TX	A	'87
Tso, Robert	CA	E	'80

*Denotes correct bonus solution

Fall Review

Problem 2 (What's My Age) and Problem 5 (Darts) both had less than 60 percent correct answers from our readers. However, for the Bonus (Family Ages) 70 percent of submissions were correct, while only problem 3 (How Many Pennies) had 100 percent correct responses.

Winter Answers

1: $g(2000) = 7000$. Consider the sequence of integers d_n formed from $d(n)$. For any n , if $d(n) = d(n + 10k)$ for some positive integer k , d_n is cyclic with a period of $10k$. Noting the first several elements of the sequence, we see it starts: 1,3,6,0,5,1,8,6,5,5,6,8,1,5,0,6,3,1,0,0, after which it repeats itself. These first twenty digits sum to 70, as do every subsequent period of 20 digits. With 2000 elements, exactly 100 periods are included, and it follows directly that $g(2000) = 100 \times 70 = 7000$.

2: 6 people were MacKinnon-MacHendries. With 4 clans, there are 6 ways to choose pairings of clans. There will be representation of each clan in exactly 3 pairings. This means that there must be at least 5 members of the McSporran/McTavish pair, if it is not outnumbered. It also means that members can be no greater than 9 or other McSporran pairs will not be represented. This group must also be even, so it can be only 6 or 8. It cannot be 8, because The McSporran/MacKinnon pair would be 4, and exceeds the total number of McSporrans (11). So the McSporran/McTavish pair is 6, McSporran/MacKinnon becomes 3 and McSporran/MacHendrie is 2. Lastly, the McKinnon/MacHendrie pair must be 11 less than the two remaining uncounted pairs that contain McTavish, which combined

are 11 less than the 6 found in the McSporran/McTavish pair, so in fact the McKinnon/MacHendrie pair must be of size 6.

3: $\overline{CD} = \sqrt{(\overline{BN} \times \overline{AM})}$. Extend the diameter AB to intersect the line MN at a point labeled Q , and drop a radius down from the midpoint of AB to the point C , and call this distance r . Denote \overline{QM} to be of length q . If we draw a line segment from A perpendicular to the radius just drawn, we see it forms a congruent triangle to the one formed between this radius, \overline{CD} and a portion of \overline{AB} . It follows directly that $\overline{CD} = \overline{CM} = \overline{CN}$. Now we can invoke Pythagorean's Theorem to find $(2\overline{CD})^2 + (\overline{CD} - \overline{AM})^2 = (2r)^2$. We can use the rules of similar triangles to determine: $\overline{AM}/q = r/(\overline{CD} + q) = \overline{BN}/(2\overline{CD} + q)$. The first and last terms of this latter expression give $q = (2\overline{CD} \times \overline{AM})/(\overline{BN} - \overline{AM})$. This can be plugged back into the first two terms of this same expression and solved for r . A bit of algebra reveals $r = (1/2)(\overline{BN} + \overline{AM})$. This can be plugged back into the first equation, and solved for \overline{CD} . This gives $4\overline{CD}^2 + (\overline{BN} - \overline{AM})^2 = (\overline{BN} + \overline{AM})^2$, $\overline{CD}^2 = \overline{BN} \times \overline{AM}$ and finally $\overline{CD} = \sqrt{(\overline{BN} \times \overline{AM})}$.

4: 4658985 + 260785 + 635785 = 5555555. Looking at the ones column, C must be 5, since there can be no leading zeros. This gives a carry into the tens place, and I must be 8 with a carry of 2 into the hundreds place. If T = 0, then F = 3 and there is no carry into the thousands place, so L = 2. However, now A + R = 9 and there are no potential pairs that satisfy this. T ≠ 1, because it would force F = 1. There must now be a carry of 1 or 2 into the thousands place, so L = 0 or 1, and either way there will be a carry of 1 in both the 10,000s and 100,000s places. If T = 2, F = 9, and L = 1. A + R = 9, so they must

be 6 & 3 in some order. But $A = 3$ implies $B = 8$, and $A = 6$ implies $B = 2$, both violations. If $T = 3$, $F = 7$ and $L = 1$. Again, $A + R = 9$, and only $A = 9$ and $R = 0$ work. This leads to $B = 6$ and $P = 3$, which is a violation. If $T = 4$, $F = 5$ which is a violation. So the thousands place has a carry of 2, and $L = 0$. If $T = 6$, $F = 1$. $A + R = 9$, so they must be 2 & 7 in some order, but both cases require $B > 9$ which is impossible. T cannot be 8, and $T = 9$ forces $F = 5$ which is not possible, and this implies that $T = 7$ and $F = 9$. $A + R = 9$, so they must be 3 & 6 in some order. If $A = 3$, $B = 8$ which is a violation. Thus $A = 6$, $R = 3$, which implies $B = 2$ a single carry into the millions place to give $P = 4$.

5: The ratio of A to B is **11353/11592**. We can use Stirling numbers of the second kind to find the number of ways to partition a set of n objects into k non-empty subsets, denoted as

$$S(n, k) = \frac{1}{k!} \sum_{i=0}^k (-1)^{k-i} \binom{k}{i} i^n$$

with $n = 8$ in our case. The number of ways to generate k unique colors across those 8 tokens on one toss is $\binom{4}{k} \cdot S(8, k) \cdot k! = \sum_{i=0}^k (-1)^{k-i} \binom{k}{i} i^8$

Doing these calculations by hand is not too tedious as there are 5 or fewer terms in each summation. For $k = 4$, we find 40,824 ways. For $k = 3$, we find 23,184 ways. For $k = 2$, we find 1,524 ways. For $k = 1$, we find just 4 ways. For this to be a fair game, the expected payout for Player X should equal that for Player Y. Equating these two gives: $23,184 \times 2A = 40,824 \times B + 1,524 \times 3B + 4 \times 4B$, or $46,368A = 45,412B$. This gives the ratio of $A/B = 11353/11592$.

BONUS:

The pole begins to slip at an angle of **70.3°** when measured from the plane, and lifts off the plane surface at an angle of about **19.5°**. We will look at conservation of energy principles to calculate the centripetal acceleration a_c of the pole's center of mass: The change in potential energy of the pole as it falls is determined by its change in height: $\Delta U = -mgL/2 (1 - \cos\theta)$, where θ is measured from the vertical.

The change in kinetic energy is due solely to the rotation of the pole about its pivot point on the horizontal surface as it falls:

$$\Delta K = (1/2)I\omega^2 = (1/6)mL^2\omega^2.$$

The sum of these two expressions must be identically 0, so we can find $(3/2)g(1 - \cos\theta) = (L/2)\omega^2 = a_c$.

We can use the torque about the pivot point to determine the tangential component of acceleration a_T . Since $\tau = r \times F = I\alpha$ we have $mg(L/2)\sin\theta = (1/3)mL^2 \times 2a_T/L$, which

gives $a_T = (3/4)g\sin\theta$. The total resultant force in the y direction is given by the vertical force at the pivot minus the gravitational force:

$$F_{y,tot} = F_y - mg = -ma_c \cos\theta - ma_T \sin\theta = -(3/2)mg(1 - \cos\theta)\cos\theta - (3/4)mg\sin^2\theta.$$

The total resultant force in the x direction is:

$$F_{x,tot} = -ma_c \sin\theta + ma_T \cos\theta = -(3/2)mg(1 - \cos\theta)\sin\theta + (3/4)mg\sin\theta\cos\theta.$$

To find the angle when the bottom of the pole starts to slip, we set this to be equal to the frictional force:

$$(1/4)F_y = (1/4)(F_{y,tot} + mg). \text{ After a bit of algebra housekeeping, we find } 0 = -(3/2)\sin\theta + (9/4)\sin\theta\cos\theta + (3/8)\cos\theta + (3/16)\sin^2\theta - (3/8)\cos^2\theta - (1/4).$$

Solving numerically, we find a solution $\theta = 0.343$ radians, or about **19.7°** from vertical, which is **70.3°** from the plane. To find the angle when the bottom of the pole starts to lift from the plane surface, we set $F_y = 0$. A little more algebra gives:

$$0 = (3/2)\cos\theta - (3/2)\cos^2\theta + (3/4)\sin^2\theta - 1 = -(1/4) + (3/2)\cos\theta - (9/4)\cos^2\theta = (1/2 - 3/2\cos\theta)^2, \text{ so } \theta = \cos^{-1}(1/3)$$

or about **70.5°** from vertical, which is **19.5°** from the plane.

COMPUTER BONUS:

The two integers are **48,194** and **48,252**. $48,194!$ has 204,765 digits, 12,045 of which are trailing zeros. $48,252!$ has 205,037 digits, 12,061 of which are trailing zeros. A brute force approach to calculating precise factorials may prove problematic given the sheer number of digits required, but one can make use of Stirling's approximation to give the number

of digits in $n!$ (without needing to know $n!$ explicitly) as $\lceil \log(V(2\pi n)(n/e)^n) \rceil$. The number of zeros is straightforward to calculate as $\sum_{i=1}^{\lfloor \log n / \log 5 \rfloor} \lfloor n/5^i \rfloor$, and we just calculate the ratio of these terms as n increases.

While generally increasing with n , this ratio is not monotonic and may have a finite number of crossings of a given ratio. For rigor, one may wish to ensure Stirling's approximation always yields the correct number of digits by making use of Robbins' bounds. If the number of digits for Robbins' upper and lower bound are the same, the number of digits in Stirling's approximation must be the same. This can be shown to be true, at least up through the numbers of interest here.

New Spring Problems

1: Baseball Geometry

Consider that a baseball cover is made of 2 identical dumbbell-shaped pieces of leather, sewed together along a continuous seam. For a ball diameter of 74mm, what is the length of the seam? Assume that the seam consists of four identical circular arcs that are tangent at the four points of intersection. Assume further that the narrowest part of the 'dumbbell' subtends an angle of 50 degrees at the center of the ball. Give your answer in millimeters, to 3 decimal places.

—B. D. Smith, GA A '45

2: Baseball Card Sets

My 9-year-old son collects baseball cards. There are 260 in the set, and they are purchased in groups of five assorted cards for \$0.20. (It is possible for a pack of 5 to have duplicate cards in it.) He can also send away for groups of ten specific cards for \$1.40, which includes postage both ways. When is the optimum time to send away to minimize the cost to collect the entire set?

—Technology Review

BTs continue on page 22

New Spring Problems

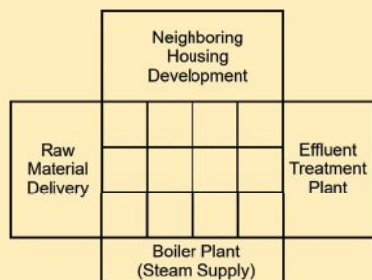
Continued from page 21

3: Monkeys at Typewriters

The biologist Thomas Huxley is generally credited with having first made the oft-repeated statement that if you set six monkeys at six typewriters, they would eventually write the works of Shakespeare. Well, then, if a monkey set at a typewriter strikes each of the 26 uppercase letters once, and only once, what is the probability that somewhere in the random array four successive letters will spell, left to right, one or both of the names IAGO or LEAR?

—*Superior Mathematical Puzzles*
by Howard P. Dinesman

4: Chemical Complex



Your company is building a chemical complex on the above site. There are twelve plots, on which to locate twelve plants, each producing one chemical – call them A through L. Your job, as chief industrial engineer, is to locate these plants in the most efficient manner, so as to minimize the total length of connecting piping and transportation between plants, as well as to take account of the following facts:

- Chemicals A and B are used to manufacture chemical C.
- Chemicals D and E are used to manufacture chemical F.
- Chemicals C and D are used to manufacture chemical G.
- The corporate planning department wants to be able to manufacture chemical H either from chemicals G and I or from chemicals J and K, at any time.
- Chemical L is manufactured using a by-product of the production of chemical E.
- The plants producing chemicals A and K are heavy users of raw materials.

g. The plants producing chemicals B and J are heavy steam users.

h. The plants producing chemicals A and I emit malodorous by-products, and should not be located next to the housing development.

i. The process used to manufacture chemical L produces an effluent which requires treatment.

—**R. A. Smith**, *NYT* '74

5: Atomic Math

$$\sqrt{ATOM} = A + TO + M$$

Each letter represents a different digit. What elements are designated if the value of \sqrt{ATOM} is their atomic number? Does anything about these elements strike you as interesting?

—*Mathematical Bafflers*
by Angela Dunn

BONUS: Envelope Stuffing

Back in 1975, when Fred Tydeman started as a Brain Ticklers judge, email was not widespread, and the answers received for the Ticklers were sent from judge to judge to review via snail mail for grading. Recently, to honor his 50 years of dedicated service, many Tau Bates got together and decided to individually mail him the same congratulatory message. The message was 4 pages long and was printed in portrait orientation on two 8½" x 11" sheets of paper, one sheet containing pages 1 and 2, with the top of page 2 appearing on the back of the top of page 1, and the other sheet containing pages 3 and 4, with their tops likewise on the reverse sides of each other, so nothing unusual there.

To fit into the envelope, each sheet was folded into thirds, 3.66" from the top & bottom of each sheet. However, in addition to each sheet initially being placed in one of four orientations (i.e., top of page 1 at the top facing the reader, top of page 1 at the bottom facing the reader, top of page 2 at the top facing the reader, and top of page 2 at the bottom facing the reader), the direction and order of the folds could vary: For each sheet, if p = top folded 180° toward front of sheet, q = top folded 180° away from front of sheet, r = bottom folded 180° toward front,

and s = bottom folded 180° away, then there are six possible configurations: ps , qr , pr , rp , qs , and sq . Given the four different orientations, there are then $4 \times 6 = 24$ distinguishable ways a single sheet can be put into an envelope.

Orienting and folding the sheets and assembling the sheets can be done in such a way that the sheets are not necessarily put into the envelope one at a time. Sometimes the sheets may be interleaved with each other. For example, for a pair of sheets, one folded as "ps" and the other as "rp," there are 10 possible ways to interleave the sheets before stuffing them in the envelope. Amazingly, when Fred had finished opening all of his mail, he discovered that every one of the possible distinguishable arrangements of the contents was represented exactly once. How many pieces of mail did Fred receive?

—**Kevin M. Stewart**, *NJ* Δ '77

DOUBLE BONUS: Triangle Tiling

An isosceles right triangle can be completely covered by four congruent tiles consisting of isosceles right triangles with sides half the length of the original triangle. Find three congruent tiles which will among them maximize coverage of the original triangle. The tiles must not overlap each other or the border of the triangle, but any tile may be turned over.

—**Richard Hess**, *CA B* '62

Email your answers to any or all of the Spring Brain Ticklers to BrainTicklers@tbp.org or by postal mail to **Dylan Lane, Tau Beta Pi, P.O. Box 2697, Knoxville, TN 37901-2697**. The method of solution is not necessary. The Double Bonus is not graded. Where possible, exact answers are preferable to approximations. The cutoff date for entries to the Spring column is the appearance of the Summer *Bent*. We welcome interesting problems that might be suitable for the column. Dylan will forward your entries to the judges who are **F.J. Tydeman**, *CA* Δ '73; **J.C. Rasbold**, *OH A* '83; **J.R. Stribling**, *CA A* '92; and the columnist for this issue,

— **K.D. Berthold**, *TX B* '04

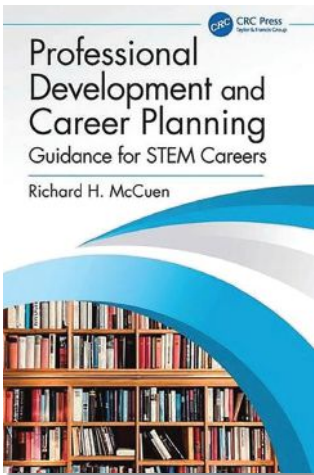
Authors

Recently published a book? If so, we would like to recognize you! Send details and a cover image to d.lane@tbp.org.
 Note: Due to the popularity of this section, submissions are first come, first served, as room allows. Thanks!



Marlene Targ Brill
Judith Resnik: Unsung Astronaut
 (Biographies for Young Readers)

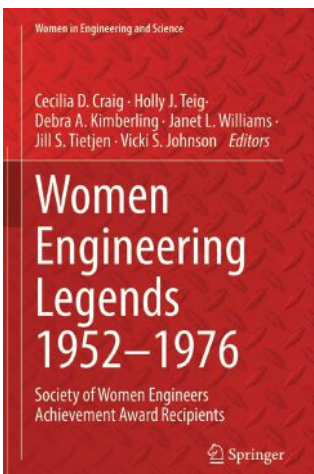
This inspiring biography brings Resnik's remarkable life to light. Readers will discover how a girl from Ohio became a trailblazer in space and how her courage and brilliance continue to inspire new generations. **Judith A. Resnik, Ph.D., PA G '70**, passed away January 28, 1986, on Space Shuttle *Challenger*. She earned a Ph.D. in electrical eng'g from the Univ. of Maryland, was a NASA mission specialist, and part of STS-41-D space flight mission.



Richard H. McCuen, Ph.D.
 Maryland Beta '67

Professional Development and Career Planning

With material of interest to those pursuing STEM careers, this book covers the development of career plans, the benefits of mentoring, getting the most from internships, overcoming professional weaknesses (lack of confidence), flexible thinking in problem solving, preparing for grad school, guidelines for professional ethics, the research process, aspects of professional communications, and strengthening professional skills.



Editors Debra A. Kimberling
 Arizona Beta '81 and
Jill S. Tietjen, P.E. Virginia Alpha '76

Women Engineering Legends 1952-1976: Society of Women Engineers Achievement Award Recipients

This book offers a concise history of 25 legendary women who made significant contributions to engineering and were recognized for their work by the Society of Women Engineers. In addition, a backdrop of the cultural and technical advances that led up to the time they were recognized are provided along with inspiring stories of their engineering career achievements.

Submit Association Award Nominations

The following Association award nominations are due by **April 1, 2026**:



The Distinguished Alumni Program honors Tau Bates who continue to live up to the ideals stated in the Association's Eligibility Code and foster a spirit of liberal culture throughout their lives. Each winner receives a recognition plaque and a \$2,000 named Scholarship is given in his/her honor.


The Laureate Program recognizes members who excel in areas outside of engineering (arts, athletics, service, and diverse achievements). Winners will be announced in July, and each will receive \$2,500 and a recognition plaque.

The McDonald Mentor Award celebrates educators and engineers who have consistently supported the personal and professional development of their students and colleagues as mentors or advisors. The winner receives an engraved medallion, replica pin, \$1,000 honorarium, and the nominating chapter receives \$1,000.

The Outstanding Advisor Award recognizes exceptional performance among the Association's Chapter Advisors. The winner receives a plaque and \$1,000, and the nominating chapter's dean receives \$1,000 for their discretionary fund.



All award recipients are invited to attend the Convention. Information and nomination instructions are available for all awards on the TBI website: www.tbp.org/awards.cfm



WENTWORTH INSTITUTE OF TECHNOLOGY

The petition for Massachusetts Lambda at Wentworth, to be established as the Association's 265th Chapter, was approved by the 2025 Convention. The chapter will be installed on March 28, 2026.

THE UNIVERSITY

Founded in 1904, Wentworth Institute of Technology (MA) is a dynamic, urban campus spanning 31 acres in Boston's vibrant Fenway neighborhood. With 28 bachelor's and 14 master's degree programs, Wentworth delivers a career-ready education that emphasizes high-value outcomes and a strong return on investment across five academic schools: Architecture & Design, Computing & Data Science, Engineering, Management, and Sciences & Humanities. Our commitment to high-value outcomes and strong return on investment has earned national recognition. The *Wall Street Journal* has ranked Wentworth among the top 5%, while *U.S. News* places it in the top 13% of undergraduate engineering schools that do not offer doctoral degrees. Most notably, Wentworth has been featured

in *The Princeton Review's* list of "Best Colleges" for 20 consecutive years, underscoring its longstanding reputation for quality and student success.

COOPERATIVE EDUCATION

Across all of Wentworth's schools and disciplines, a central experience underscoring a unique pedagogy is its robust Cooperative Education (co-op) Program. Every undergraduate student completes two semesters of full-time, paid employment in their field before they walk across the commencement stage. For over 50 years, co-op has been a requirement for graduation and an integral part of students' academic journeys. Recently, Wentworth Institute of Technology has been recognized by *Forbes* as one of the "15 Top Colleges for Launching Your Career," highlighting the university's distinctive hands-on approach and the enduring success of its cooperative education program.

SCHOOL OF ENGINEERING

The Douglas D. Schumann School of Engineering stands as the largest and most historic academic unit within the university. With 1,700+ engineering students and 32 state-of-the-art undergraduate engineering laboratories, it is the front runner in supporting Wentworth's reputation for producing graduates who are ready to tackle modern-day problems.

Schumann's recent transformative \$25 million gift is a resounding endorsement of Wentworth's vision for the School of Engineering and a strategic investment in its future. This contribution will accelerate innovation by expanding student scholarships, enriching the undergraduate experience, and driving the launch of impactful engineering programs.

The School of Engineering offers ABET-accredited programs across the engineering spectrum, including advanced manufacturing, aerospace, biological, biomedical, civil, computer, electrical, electromechanical, mechanical, and robotics engineering. Enrollment continues to rise, with the school welcoming its largest-ever first-year cohort of 600 engineering students in 2025.

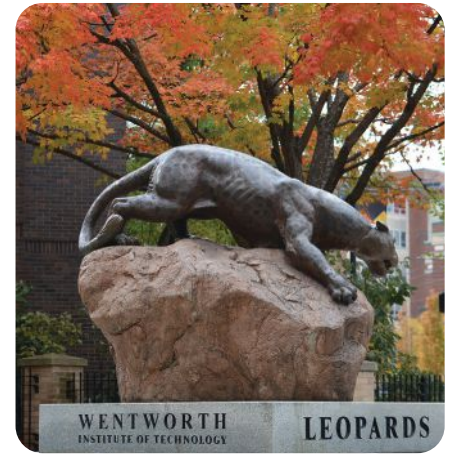
At Wentworth, engineering students have the opportunity to engage in various extracurricular technical project teams that complement their academic studies. These projects often involve external stakeholders from local and national tech companies, enabling students to refine their communication skills with diverse audiences. This mirrors the modern engineering workforce, where the ability to communicate across technical boundaries is a premium skill.

Our faculty members bring a unique blend of academic rigor and industry experience, many joining Wentworth after distinguished careers in engineering practice. Their real-world perspective empowers students to tackle complex, open-ended problems with confidence. Research-active faculty further enhance learning by involving students in applied projects spanning renewable energy, resilient infrastructure, advanced manufacturing, and beyond, ensuring graduates are prepared to lead in a rapidly evolving technological landscape.

PROFESSIONAL ORGANIZATIONS, CLUBS & SOCIETIES

The School of Engineering offers a rich array of professional chapters, honor societies, and academic organizations that extend learning beyond the classroom and foster leadership, collaboration, and technical excellence. Organizations such as the American Foundry Society, American Society of Biochemistry and Molecular Biology, American Society of Civil Engineers, American Society of Mechanical Engineers, and the student chapter of the Institute of Electrical and Electronics Engineers provide students with opportunities for technical development, industry engagement, research exposure, and collaboration with peers and faculty. The Society of Manufacturing Engineers supports experiential learning through hands-on projects and exposure to both established and emerging manufacturing technologies. Other organizations, such as the Society of Hispanic Professional Engineers, the Society of Women Engineers, and the National Society of Black Engineers chapters, promote leadership development, close mentorship, and advocacy for students, regardless of their background.

Honor societies such as Eta Kappa Nu (electrical & computer engineering), Chi Epsilon (civil engineering), Sigma Beta Delta, Tau Sigma Delta, and Sigma Lambda Chi recognize academic excellence and encourage scholarly achievement across disciplines.

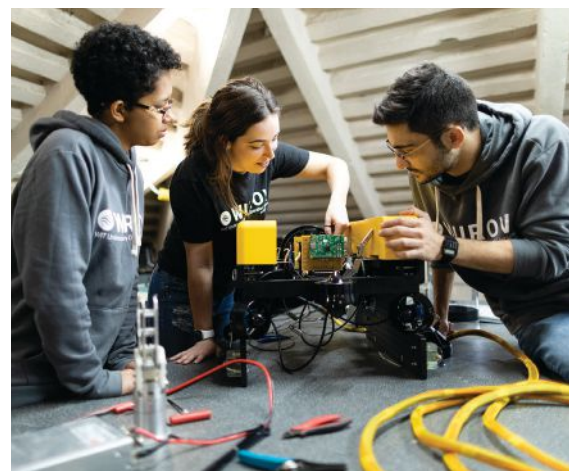


Wentworth's Club Sports program offers students a safe and competitive recreational outlet. Teams practice weekly and travel locally to compete against other collegiate clubs. Designed to enhance the quality of campus life, these programs offer students opportunities to refine their leadership skills, develop organizational management expertise, and foster lasting community connections in an enjoyable environment. Together, Wentworth's campus clubs and societies foster belonging and prepare students to enter the workforce as technically skilled, socially conscious, and well-rounded professionals.

By installing this chapter of Tau Beta Pi, Wentworth Institute of Technology affirms its dedication to excellence and integrity in engineering. It is a milestone celebrating a century of redefining what is possible toward a future in which Wentworth engineers will continue to transform ideas into long-term impact.



School of Engineering - the Center for Engineering, Innovation, and Sciences.



Wentworth engineering students working on the university's Underwater ROV team.

IN THE COLLEGES

Tau Bates having an impact at institutions of higher learning.

Katherine P. Andriole Ph.D.

North Carolina Gamma '80

Katherine was appointed inaugural associate dean for Health Artificial Intelligence (AI) Strategy and Innovation at the David Geffen School of Medicine (DGSOM) and Director for the UCLA Center for AI and SMART Health. She will also hold an appointment as professor of radiological sciences at the DGSOM. Most recently, Katherine was an assoc. professor at Brigham and Women's Hospital.



Scott C. Beardsley Ed.D.

Massachusetts Delta '85

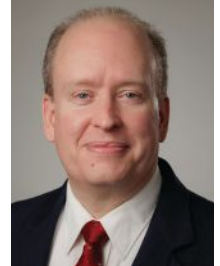
Scott was selected as the 10th president of the University of Virginia (UVA). Previously, he served three terms as UVA School of Business dean. He also chairs UVA's first ethical artificial intelligence institute and is advancing responsible AI innovation in partnership with UVA Health. He brings governance and strategy experience from his career as a senior partner at McKinsey & Company.



Brian D. Davison Ph.D.

Pennsylvania Eta '91

Brian has been appointed the Daniel E. '39 and Patricia M. Smith Endowed Chair at Lehigh University, where he's been a professor and chair of the department of computer science and engineering since 2022. Brian is co-founder of the interdisciplinary M.S. in Data Science Program, founding director of the undergrad minor in data science, and past PA Alpha Chapter Advisor.



SPOTLIGHT: U.S. Army Engineer Research & Development Center (ERDC) Experiments —

Two Tau Bates have been heavily involved in recent research and achievements as part of the Additive Construction of Maneuver Enabling Technology (ACME Tech) projects led by Applied Research Associates, Inc. (ARA) on behalf of the U.S. Army ERDC, with collaboration from three key sub-contractors: the Univ. of Arkansas, Iowa State Univ., and Robotic Construction Technologies. **Jim Mantes, P.E., WI G '13**, principal program manager at ARA, was part of an exercise demonstrating the successful production of high-strength concrete directly from on-site soils. ERDC senior scientific technical manager, **Jeb Tingle, P.E., MS A '95**, ACME Tech, oversaw an initiative involving 3-D printing culverts.

Historic Contributions to Cornell University —

As a result of a pledge for the largest gift in its history, Cornell has named the David A. Duffield College of Engineering. A founder of six enterprise software companies and an alumnus with electrical engineering B.S. and MBA degrees, Duffield's cumulative giving now totals \$550 million, placing him among the university's leading all-time donors. His most recent gift will create the Duffield Launch Fund to address immediate priorities that update the college's physical infrastructure, strengthen research facilities, support faculty and students, and advance research excellence in domains such as quantum engineering science and technology, engineering human health, and artificial intelligence and data-driven decision-making.

Renetta Garrison Tull Ph.D.

District of Columbia Alpha '91

Renetta recently became Vice Chancellor of Inclusive Excellence at the University of California, Davis. In addition, she has finished her year-long term as president of the Latin American and Caribbean Consortium of Engineering Institutions (LACCEI) and will remain on the Board for 2026 as past president. Renetta has B.S. and M.S. degrees in electrical eng'g and a Ph.D. from Northwestern Univ. in speech science.



Katrina M. Groth Ph.D.

Maryland Beta '04

Katrina was named director of the Center for Risk and Reliability, a research hub based at the University of Maryland (UMD). A professor at UMD, she is an internationally-recognized expert in safety, risk, and reliability analysis of energy systems and in 2025 Katrina received the Univ. System of Maryland Regents' Faculty Award for excellence in scholarship or research, the highest honor bestowed to recognize faculty.



Maria Larrondo Petrie Ph.D.

Florida Epsilon '91

Maria is the Executive Director of the Latin American and Caribbean Consortium of Engineering Institutions (LACCEI) focused on collaborating in engineering education and research with the Latin American and Caribbean region. She's served in this role since 2008 and as a Florida Atlantic University faculty member for 40+ years, where she's a full professor of computer & electrical eng'g and CompSci.



Lauren H. Logan Ph.D.

Ohio Delta '10

Lauren will serve as the next chair of the department of civil and environmental engineering at Ohio Northern University. She's an associate professor with interest in life cycle analysis of water and energy. Lauren serves as an OH Iota Chapter Advisor and a District 7 Director. A TBP Fellow and Scholar, she earned her Ph.D. at the University of Illinois at Urbana-Champaign.



Wes E. Marshall Ph.D., P.E.

Virginia Alpha '98

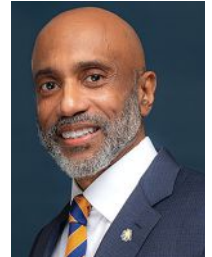
Wes will give a keynote address at the Bike Walk Roll Summit (WA). A professor and Director of the Human-Centered Transportation program at the University of Colorado Denver, he authored "Killed by a Traffic Engineer: Shattering the Delusion that Science Underlies Our Transportation System" (2024). Wes plans to discuss his book, the flawed street designs, and bad engineering standards.



James R. Martin II Ph.D.

South Carolina Gamma '85

James became Chancellor at North Carolina Agricultural and Technical State University after working at the Univ. of Pittsburgh for six years, four of those as Dean of Engineering. An accomplished civil engineer with a Ph.D. from Virginia Tech, he's led eng'g and STEM initiatives at three large public research universities with a focus on innovation and interdisciplinary collaboration.



FACILITIES: Pilot Mining Facility at the University of Arizona

— Congressionally-directed spending will provide \$3 million for a modular, pilot-scale mineral processing facility at the University of Arizona's School of Mining Engineering & Mineral Resources. The facility will be located at the San Xavier Underground Mining Laboratory near Sahuarita and aims to train the next generation of metallurgical engineers using both traditional and experimental methods for mineral recovery. Known for being the most copper-rich state, the new facility will allow faculty, students, and industry partners to use mineral recovery methods including: crushing rock and separating materials with heat, hydrometallurgical processes, and advanced sorting techniques.

New Pitt Institute to Translate Space Science to Improve Quality of Life

— The University of Pittsburgh Health Sciences announced the launch of the Trivedi Institute for Space and Global Biomedicine, one of the first dedicated institutes focused on applying insights from spaceflight to improve human health on Earth. The \$25 million institute will be led by Kate Rubins, who recently joined Pitt as professor of computational and systems biology, after a 16-year career as a NASA astronaut. The initiative will train the next generation of scientists and clinicians at the intersection of space biology and translational health, with leadership expertise across physics, medicine, engineering & entrepreneurship, with missions and projects planned into the 2030s.

Kofi A. Nyarko D. Eng.

Maryland Epsilon '98

Kofi was presented the Dean's Award by the Council of Engineering Deans of Historically Black Colleges and Universities during the 40th annual BEYA STEM Conference. He is a professor and the director of the Center for Equitable AI and Machine Learning Systems at Morgan State University. His research expertise spans computer vision, machine learning, and generative AI.



Lara A. Thompson Ph.D.

Massachusetts Theta '03

Lara recently joined the University of Massachusetts Lowell as a professor of biomedical engineering with a goal to initiate new research and a focus area in clinical biomechanics. She had been on the faculty at the Univ. of the District of Columbia for the past 12 years, has an M.S. in aeronautical & aerospace eng'g from Stanford Univ., and earned a BioMed and health-sciences & technology Ph.D. from Harvard Univ./MIT.



Yannis C. Yortsos Ph.D.

California Delta '73

Yannis has announced that he will not seek reappointment at the end of the academic year and will return to a faculty position at the University of Southern California (USC), following the spring semester. After 21 years of service as USC engineering dean, Yannis is the longest-serving dean in the history of the Viterbi SOE. He also serves as Editor-in-Chief of PNAS Nexus, a scientific journal published by the NAS.





Image: the Oscar N. Harris Student Union on the Campbell University campus opened in 2020.

The petition for North Carolina Theta at Campbell to be established as the Association's 266th Chapter, was approved by the 2025 Convention. The chapter will be installed on April 18, 2026.

HISTORY

On January 5, 1887, James Archibald Campbell, a 26-year-old Baptist minister, welcomed 16 students to a small church in Buies Creek, North Carolina, for the first day of classes for the school he founded — Buies Creek Academy. By the end of the first term there were 92 students.

Since then, Buies Creek Academy has evolved to become Campbell Junior College (1926), Campbell College (1961), and now Campbell University (1979). Throughout these transformations, the university has remained true to its founding principles to address the most pressing needs of North Carolina and to educate men and women for Christian service around the world.

Today, Campbell University enrolls more North Carolina undergraduates than any other private university in the state and is one of only five private

NC institutions to achieve the highest accreditation level. Campbell is home to the Norman Adrian Wiggins School of Law — the only law school in the state's capital city of Raleigh — and the Jerry M. Wallace School of Osteopathic Medicine, the state's only osteopathic medical school. In all, the University's eight colleges and schools enroll nearly 5,000 undergraduate and graduate students, with nearly 60,000 Fighting Camel alumni living worldwide.

Campbell is located at the southern tip of the thriving Research Triangle area, considered one of the fastest-growing regions in the country and a national leader in tech and biotech industries, quality of life, and economic growth.

CAMPBELL ENGINEERING

Campbell University's School of Engineering held its first classes in the fall of 2016, and in just 10 years, the school has grown to become a leader in

hands-on, project-based engineering education. The School is home to an ABET-accredited bachelor of science engineering degree program that includes four concentration areas: chemical/pharmaceutical, electrical, mechanical, and electromechanical systems engineering.

The college is led by founding Dean **Jenna P. Carpenter, Ph.D., IN A '83**, a national expert and thought leader on issues impacting STEM education, innovative STEM curricula, and student success as it correlates to diverse communities of students, faculty, and staff in STEM fields. Dr. Carpenter is president of the Mathematical Association of America, commissioner and member of the ABET Engineering Accreditation Commission, past president of the American Society for Engineering Education, and past president of the Women in Engineering ProActive Network.

The School of Engineering's B.S. engineering program earned accreditation from ABET in 2022, two years after seeing its first graduating class in 2020. In 2019, Campbell Engineering was recognized as one of the most inclusive engineering schools in the nation by the American Society for Engineering Education, and today 60 percent of the School's faculty is made up of women (three times the national average). Also in 2019, Campbell Engineering became the 45th program in the nation to be accepted as a Kern Entrepreneurial Engineering Network institution.

While the school has earned several accolades in its 10 years, 2025 was perhaps the program's finest to date. In the spring, Campbell's team of student engineers placed first in NASA's Human Exploration Rover Challenge in Huntsville, AL. Competing for just the seventh time since 2019, Campbell took top honors at the HERC competition, which draws students from 35 colleges and universities and 40 high schools from 20 states, and 16 other countries. The rover challenge is one of NASA's eight Artemis Student Challenges reflecting the goals of the Artemis campaign, which will land Americans on the Moon while establishing a long-term presence for science and exploration, preparing for future human missions to Mars.

In the fall, Campbell student engineers were tasked with drawing up a plan to power the City of Raleigh over the next 30 years while cutting down costs for residents and improving the environmental impact. The Future City Fellowship, in its pilot year, is an extension of the Future City Competition™ from Discover Engineering, a nonprofit committed to sparking students' interest in engineering and strengthening their STEM skills. The team developed 10-, 20-, and 30-year plans to electrify Raleigh using solar panels, electric vehicles, and small modular nuclear reactors. Campbell was the only pilot collegiate program in this year's fellowship program, by invitation. They'll be joined by two other universities in 2026.

And as the School continues to grow, it is mindful of its future as well.

In January 2026, Campbell announced the launch of a three-week summer engineering program for high-achieving high school students thanks to a \$100,000 gift. The Bob Barker Engineering Camp for Future Innovators, slated to begin this July, will welcome 24 of the brightest high school students to campus for an immersive, hands-on experience designed to introduce engineering, professional skills, and college preparation.

TAU BETA PI

Campbell's collegiate chapter will hold its inaugural initiation ceremony this spring. Tau Beta Pi Executive Director Curt Gomulinski said the Society is "thrilled" to welcome Campbell to its ranks.

"The inspection team that visited Campbell was thoroughly impressed with the facilities available to engineering students and the close community environment fostered by the faculty and administration," Gomulinski said. "Likewise, our Petitions Committee and the Convention body overwhelmingly voted to grant a chapter to Campbell University after a detailed presentation to both groups."

"[Engineering student] Sarah Cribb and [Associate Professor] Dr. [Alison] Polasik represented the university well, and Tau Beta Pi was delighted to be able to initiate Sarah as the first member of the NC Theta Chapter during our model initiation at the 2025 Convention."



Campbell's installation will include all current eligible students and alumni from the School's own engineering honor society invited to participate. The School of Engineering at Campbell enrolled its first students in 2016 and has since developed a unique hands-on, project-based curriculum for an ABET-accredited engineering degree.

"We are just thrilled to have been granted a TBP chapter here at Campbell," Dr. Carpenter said. "It allows us to grant lifelong national recognition to our top students. Moreover, Tau Beta Pi membership provides them with access to a wonderful array of professional development and mentoring opportunities, as well as the ability to apply for scholarships."





Tau Beta Pi Families

Sandberg sisters

Do you have a spouse, sibling, parent, son/daughter, or grandparent, who is a member of Tau Beta Pi? If so, we would like to recognize you in a future Tau Beta Pi Families. Send your information and even a family photo to d.lane@tbp.org.

BI-SPOUSAL:

Alexander S. Albacarys, PR A '86
Lourdes D. Albacarys, PR A '87

James J. Castellano, NJ Γ '80
Joanna M. Castellano, MD B '80

Lou A. Curcio, NY Γ '88
Jeanne Curcio (Purduski), KS Γ '92

Howard B. Levene, PA Δ '93
Tammy L. Levene, PA Δ '01

Brandon Tran, KS B '25
Mary R. Tran, KS B '24



Brandon and Mary Tran.

CENTENARIANS:

Thomas Brockenbrough, VA B '42
b. July 14, 1920
(living)

Walter R. Derlacki, IL Γ '45
b. November 13, 1923
d. November 29, 2024

George A. Etzweiler, PA B '49
b. March 14, 1920
d. March 16, 2025

David M. Feinman, CT A '49
b. May 25, 1924
d. June 27, 2025

Luther V. Francis, TX K '50
b. February 24, 1923
d. June 10, 2024

Walter E. Jessup Jr., RI A '44
b. September 9, 1922
d. January 3, 2024

Melvin H. Judkis, OR A '48
b. November 5, 1918
d. September 3, 2021

Melvin F. Katzer, WI A '48
b. September 29, 1920
d. February 8, 2021

James E. Kinsolving, AL B '48
b. December 3, 1920
(living)

Allen E. Lepley, OH A '50
b. July 25, 1920
(living)

William R. Lucas, SC Γ '84
b. March 1, 1922
d. February 10, 2025

Lucien E. Rawls, TN B '46
b. October 20, 1922
d. February 15, 2025

Gustav E. Schrader, NY Γ '51
b. January 6, 1923
d. October 29, 2023

Robert O. Wright, NY Θ '47
b. January 9, 1924
d. March 24, 2025

SIBLINGS:

The Bosanko Brothers
Ryan A., NY M '21
Grady, NY M '26

The Burrows Brothers
Kyle C., OH Γ '19
Ryan C., OH Γ '22

The Casilli Siblings
Nicholas, MA E '22
Michelle, PA Z '28

The Chiarito Siblings
Michael A., MD B '84
Joanna M. Castellano, MD B '80

The DiPippo Brothers
Matthew M., RI B '91
Mark J., RI A '85

The Dretzka Siblings
Ellen D. Anderson, IL Γ '81
†**Matthew J.**, WI Γ '84

The Edel Twin Brothers
James C., AZ A '76
Kent M., AZ A '83

The Gunasekaran Twin Brothers
Benjamin A., AL A '26
Jonathan A., AL A '26

The Killilea Sisters
Olivia K., MN A '23
Sydney S., MN A '26

The Olatunde-Salawu Brothers
Toluwanimi D., MO Δ '22
Mumiye E., MO Δ '24
Semire M., MO Δ '26

The Sandberg Sisters
Julie L. Read, WY A '07
Lori M. Wobick, WY A '10

The Slaby Twins
Graham, KY B '27
Emersen S., KY B '27

TAU BETA PI FAMILIES

Continues on page 32

The Edel twins
in 1977, Kent (left)
and Craig (right).



MULTI-GENERATION:

The Albacarys Family

Alexander S., PR A '86 (father)
Lourdes D., PR A '87 (mother)
Daniel A., VA B '23 (son)

The Binfet Family

Jeremy, WY A '99 (father)
Joe, ID Γ '27 (son)

The Birmingham Family

Stacy G., PA Γ '83 (mother)
Peter A., SC B '22 (son)

The Brown Family

Robert S. III, TX Δ '84 (father)
Robert S. IV, TX E '24 (son)

The Burrows Family

Jeffrey C., OH Δ '87 (father)
Kyle C., OH Γ '19 (son)
Ryan C., OH Γ '22 (son)

The Calabuig Family

David Sr., TX H '99 (father)
David F. J. Jr., UT B '23 (son)

The Castellano/Chirarito Family

James J., NJ Γ '80 (father)
Joanna M., MD B '80 (wife/sister)
Richard J., NJ Z '12 (son)
Michael A. Chiarito, MD B '84
(brother)

The DiPippo Family

Ron, RI A '62 (cousin)
Mark J., RI A '85 (cousin)
Matthew M., RI B '91 (cousin)

The Dretzka Family

Ellen Anderson, IL Γ '81 (sister)
†**Matthew J.**, WI Γ '84 (brother)
Ethan R., WI A '25 (nephew)

The Fenves Family

†**Steven J.**, IL A '57 (father)
Gregory L., NY Δ '79 (son)

The Hochwalt Family

John M., NY Δ '87 (father)
Iris K., CA Ψ '27 (daughter)

The Horner Family

Gina D., KS A '93 (mother)
Chase B., KS A '25 (son)

The Judkis Family

†**Melvin H.**, OR A '48 (father)
Andrew L., PA Γ '80 (son)

The Lampe Family

†**J. Harold**, MD A 1918 (grandfather)
Ross W. Jr., NC A '77 (grandson)

The Maguire Family

Kevin P., PA Δ '84 (father)
Samantha R., RI A '22 (daughter)

The Marrone Family

James I., IN A '61 (father/grand-
father)
James D., IN A '87 (father/son)
Jax P., IN A '26 (grandson)

BELOW: (Left) The Albacarys family at Virginia Tech for Daniel's graduation.

(Right) Gina and Chase Horner together around the Bent monument on the campus at the University of Kansas.



TAU BETA PI FAMILIES

Continued from page 31

MULTI-GENERATION:

The Milan Family

Tony E., CA O '82 (father)

Daniel E., TX A '28 (son)

The Morgan/Wait Family

†**Travis O.**, OK Γ '48 (grandfather)

Keith W. Wait, TX Γ '04 (grandson)

The Sacks Family

†**Ivan J.**, PA A '62 (grandfather)

Alexei H., NY Γ '90 (father/son)

Eitan M., NY K '27 (son/grandson)

The Schlak Family

Gerry A., CO B '62 (grandfather)

Robert P., TX B '91 (father/son)

Nick R., TX E '26 (son/grandson)

The Strimpel Family

Robert J., MI Δ '96 (father)

Robert P., MI Θ '27 (son)

The Tollerson Family

Bradley E., ND A '96 (father)

Benjamin B., MN A '25 (son)

The Wisner Family

Steven R., OH E '99 (father)

Megan E., CA Z '24 (daughter)

The Ziegler Family

Norval F., AR A '52 (father)

Mike F., TN A '84 (son)



Sidebar Images: (Top right) Steven and Megan Wisner with the California Zeta Bent monument at Santa Clara University. (Middle right) At the University of Texas at Dallas after the November 10 initiation: (left to right) Gerry, Robert, and Nick Schlak. (Second to bottom right) Samantha and Kevin Maguire. (Bottom right) The Marrone family: (left to right) Jax, James (father), and James (grandfather).



(Image, L to R) Mumiye, Toluwanimi, and Semire at a KC Alumni Chapter event.

The Olatunde-Salawu Brothers

From Nigeria to the United States, the journey of the Olatunde-Salawu brothers is a testament to a shared passion for engineering and a relentless pursuit of excellence. Arriving as international students exactly two years apart, each brother carved a unique academic path while maintaining a collective commitment to leadership and professional service.

Toluwanimi and Mumiye

pioneered this trail, both earning B.S. and M.S. degrees in mechanical eng'g in 2023 and 2025, respectively. During their collegiate years at the Univ. of Missouri-Kansas City, Toluwanimi and Mumiye both served as MO Delta Chapter officers. Toluwanimi now serves as the Kansas City Alumni Chapter vice president. Following their example, **Semire**, an electrical & computer eng'g senior set to graduate in 2026, has distinguished himself through service, representing MO Delta at the 2025 Convention and securing first place in the Engineering Design Competition at the 2025 District 9 Conference. Together, the Olatunde-Salawu brothers exemplify the global impact of dedicated engineering leadership.

RATIFICATION BALLOT

The 2025 Convention approved two amendments to the Tau Beta Pi Constitution. Per the provisions of the Constitution, the amendments must be ratified by the chapters to be adopted. Chapters are asked to conduct a vote of their active members and submit the ballot by April 1, 2026. Additional information, the ballot, and the proposal are available at:

<https://sites.google.com/tbp.org/2025conv/2025-ratification-ballot>

Here are the two amendments on which to vote:

1. Resolve inconsistency in the due date for alumni chapter dues.

Constitution Article V, Section 1(e) & Article VIII, Section 1(c)

2. Clarify disciplinary actions against chapters since alumni chapters do not conduct initiations.

Constitution Article XII, Section 3

At a chapter meeting where the three-fourths quorum requirement is satisfied, your chapter will be counted in favor of a proposed Constitution amendment only if three-fourths or more of the active members present and entitled to vote cast affirmative votes. If you cannot get the necessary quorum, please vote AND SUBMIT THE BALLOT ANYWAY. This is extremely important in case the Council extends the deadline.

WANTED: VOLUNTEERS FOR CONVENTION

The Association is interested in identifying members who might wish to serve in supporting roles at future TBII Conventions. The Collegiate and Alumni Chapters and Association Officials may submit nominations for permanent Convention Chair to the Executive Council by June 1 of the Convention year for which the Chair will be selected. This member must be familiar with Robert's Rules of Order and should have experience in conducting meetings with that philosophy.

At the same time a Convention Chair is selected, a Convention Parliamentarian will be selected.

To assist the Chair and Parliamentarian in their duties, Tau Beta Pi also seeks volunteers to serve as the Tellers Committee Chair and Credentials Committee Chair.

Funding is available to cover most, if not all, of the expenses for these volunteers to attend the Convention including travel, lodging, and meals.

These volunteers must be able to attend the Convention in Tucson, Arizona, from October 8-10. Candidates should express their interest to the TBII Executive Director (tbp@tbp.org) no later than June 1. Please include your resume and indicate the position for which you wish to apply.



MEMBERSHIP FRAME

Proudly display your TBII membership certificate in this frame by Churchill Classics. These official frames feature the Association's name and seal in a gold emboss, on a high-quality wood molding. Each frame includes instructions to hang your frame to professional standards. Produced in the USA. **\$150.00**

Place your order at www.tbp.org/?sto for this and other TBII items such as hoodies, hats, t-shirts, mugs, and more.



ASSOCIATION BRIEFS



Above: The group image from the ONCAC axe throwing.



Above: The Central Jersey Alumni Chapter was invited to attend the fall initiation of the NJ Epsilon Chapter at Rowan University, where 27 new members were initiated. Email the chapter about joining at: CJAlumni@tbp.org

ALUMNI ACTIVITY:

OHIO NORTH COAST ALUMNI CHAPTER

In what has become a popular annual event, the Ohio North Coast Alumni Chapter held a New Year's axe throwing activity for local alumni and collegiate chapter Tau Bates.

Outside, the weather was snowy and cold, but the competition inside was hot! Fifteen alumni, students, and guests learned how to throw not only small axes, but also other bladed objects such as Ninja throwing stars.

On using the throwing stars, one student said, "It's like a childhood dream come true!"

Although one might assume a certain level of skill is a prerequisite, the local hosts gave excellent instruction such that all present had fun participating in the competitions (like defending against a Zombie invasion). While not hurling sharp objects, alumni and students from the OH Alpha and OH Kappa Chapters enjoyed getting to know one another, chatting about the new semester, capstone projects, and internships.

After the last axe had been thrown, everyone enjoyed a meal and refreshments at the nearby cantina.

Learn more about upcoming ONCAC activities by contacting: oncac.tbp@gmail.com

JOIN AN ALUMNI CHAPTER TODAY!

Visit: www.tbp.org/?ACcontact or contact Sean Aiton at s.aiton@tbp.org, to discuss opportunities to join and the steps for establishing a chapter in your area.

ASSOCIATION OFFICIALS NEWS

Meet Our New District Directors



District 4
Thomas Garrison
AR A '05



District 6
Bryan Ricksecker
AL E '15



District 5
Sarah Ricci
MO A '10



District 14
Sheridan Blasey
AK A '24



WE NEED YOU AS A DISTRICT DIRECTOR

Are you interested in taking a more active volunteer role in the Association? Currently, five TBPI districts are looking for Directors! Find the job description at:

www.tbp.org/?DDjob

Candidates should be located near:

D3 - Philadelphia (PA)

D3 - Pittsburgh (PA)

D9 - Kansas/Nebraska/Missouri

D10 - Houston (TX)

D12 - Montana/Wyoming/Colorado

If you are interested, contact Stacey Forkner, Director of the District Program at:

s.forkner@tbp.org

Comedian **Don McMillan**, *PA A '81*, began a new tour in 2026 with dates and locations across the country.

Two Tau Bates attended a recent show in Cleveland, OH, and had the chance to talk and take a picture with Don after the show.

Don has previously performed at the Association's 2014 Convention in Spokane, WA, and the 2016 Convention in San Diego, CA.

For more information visit his website <https://technicallyfunny.com/> and find him on Facebook.



Left to right: Ed Basta, *OH E '82*, Don McMillan, and Shelton Caruthers, *LA G '89*.

CHAPTER ETERNAL

Our fellow Tau Bates who are gone, but never forgotten.

The condensed style of these notices is made necessary by the Association's large membership and space limitations in *The Bent*. You may contact the Editor for additional facts (if available) concerning the following deceased members. The assistance of all is earnestly sought in reporting the deaths of Tau Bates, including full name and date of death. You may report the death of a member by sending an email to tbp.memberupdate@tbp.org. Members that were 100+ years when passing are identified with "Cent."

ALABAMA

ALPHA AL A

Street, Gary Hugh, '61, December 23, 2025.

BETA AL B

Wallace, Alton Hamric, '57, October 25, 2024.
Galloway Jr., Thomas M., '70, Dec. 4, 2024.
Byars, Steven J., '77, no details.

ARIZONA

ALPHA AZ A

Sercel, Patrick J., '87, no details.

BETA AZ B

Nucci Jr., Joseph E., '86, October 28, 2020.

CALIFORNIA

ALPHA CA A

Rae, James William, '52, no details.

GAMMA CA Γ

Carvey Jr., Thomas B., '43, Jan. 8, 2026. *Cent.*
Mitchell, Donald Beckley, '59, Dec. 3, 2025.
Leonard, Danton, '82, August 10, 2025.

DELTA CA Δ

Rashoff, Kenneth W., '63, November 14, 2014.

EPSILON CA E

Solomon, Louis P., '60, January 19, 2025.
Axt, Robert Donald, '66, no details.

ETA CA H

Arno, Roger David, '62, October 3, 2025.

THETA CA Θ

Foote, David Alan, '67, January 25, 2025.
de Chambeau, Charles M., '94, Feb. 11, 2025.

KAPPA CA K

Claiborne, Darryl D., '81, April 21, 2023.

LAMBDA CA Λ

Clemens, William Jeffrey, '66, no details.

MU CA M

Edwards, Robert D., '71, March 15, 2024.

COLORADO

BETA CO B

Kannolt, James Rodger, '58, Feb. 5, 2021.
Darst, Richard J., '59, no details.

DELAWARE

ALPHA DE A

King, Irvin B., '65, December 30, 2024.
Hahn, Charles Rodney, '73, Nov. 21, 2025.

FLORIDA

ALPHA FL A

Glagola, Charles R., '69, November 29, 2025.

GAMMA FL Γ

English, Nicholas E., '78, February 22, 2021.

GEORGIA

ALPHA GA A

Dowdey, Charles Ferrell, '59, Jan. 10, 2025.
Potter, John Claude, '74, December 10, 2002.

IDAHO

ALPHA ID A

Morrison, Robert Clayton, '75, April 25, 2018.

ILLINOIS

ALPHA IL A

Brown, Bruce M., '52, November 4, 2025.
Reed, John C., '52, December 19, 2020.
Alexander, Claude C., '56, January 7, 2025.
Fenves, Steven Joseph, '57, Dec. 23, 2025.
Haymaker, Robert L., '58, July 3, 2022.
Holland Jr., Lester Marion, '66, no details.

BETA IL B

Pasik, David D., '49, June 4, 2013.
Baschiere, Ronald James, '58, July 10, 2025.

GAMMA IL Γ

Wadler, Ralph M., '51, May 15, 2009.
Belardi, James W., '57, no details.
Yuill, Ronald J., '60, no details.
Lutz, William J., '77, no details.

INDIANA

ALPHA IN A

Arakawa, Wallace J., '57, February 28, 2022.
Van Cleave, Richard L., '57, Nov. 22, 2025.
Carbiener, Wayne A., '58, February 14, 2013.
Coy, Brent E., '63, November 2, 2025.
Haak Jr., Edward D., '64, November 13, 2025.
Pemberton, E. Hugh, '66, September 27, 2025.

BETA IN B

Carrell, William Curtis, '82, no details.

DELTA IN Δ

Grupe, Wayne R., '60, December 26, 2024.
Walesh, Stuart G., '63, September 28, 2025.

IOWA

ALPHA IA A

Seidel, Harris Forrest, '44, no details.
Dick-Peddie, John Irvine, '53, Dec. 22, 2022.
Feisel, Lyle Dean, '61, November 5, 2025.
Kreb, Harold Braun, '61, January 30, 2025.
Thompson, Richard D., '71, no details.

BETA IA B

Johannsen, Robert Allen, '61, Dec. 12, 2023.
Carlson, Arthur J., '62, July 18, 2025.
Braet, Ronald Lee, '63, July 8, 2025.
Ginther, Jack Calkins, '73, April 23, 2025.

KANSAS

ALPHA KS A

Boylan Jr., David R., '43, no details.
Razak, Virgil L., '44, December 24, 2009.
Conrad, William Merrill, '50, April 5, 2015.
Frevort, Graham C., '52, December 8, 2005.
Hurt, Lance D., '82, April 30, 2025.

BETA KS B

Stephens, G. Byron, '68, January 21, 2026.

GAMMA KS Γ

Fassett, James Oliver, '50, no details.

KENTUCKY

ALPHA KY A

Travis, Hal G., '75, October 26, 2025.

LOUISIANA

GAMMA LA Γ

Petrus, James August, '64, July 3, 2025.

MAINE

ALPHA ME A

Cooper, Stuart R., '52, February 18, 2014.
Bingham, Allen J., '54, September 12, 2025.

MARYLAND

ALPHA MD A

Leith, Robert Stanley, '51, January 20, 2020.
Hall, H. Thomas, '56, July 11, 2025.
Beatty Jr., Millard F., '59, March 14, 2025.

MASSACHUSETTS

ALPHA MA A

Bayliss, Paul W., '60, January 4, 2026.
Dowling, Edward F., '61, October 7, 2008.

BETA MA B

Stallard, David Varner, '49, June 2, 2025.
Slifka, Richard Barry, '61, May 25, 2025.
Post, Allen Edward, '66, October 5, 2025.
Pratt, Stephen G., '78, September 19, 2025.

EPSILON MA E

Marini, Robert Charles, '54, January 1, 2026.

ZETA MA Z

George Jr., Donald B., '54, May 3, 2025.

MICHIGAN

ALPHA MI A

Glauz, William D., '56, September 29, 2025.



Illinois Alpha '57

Steven J. Fenves, Ph.D.

December 23, 2025

Originally from Hungary, he survived the Holocaust at Auschwitz to earn degrees at the University of Illinois, where he became a professor of civil engineering. Steven was among the first researchers to use computers to solve complex problems, including the development of the computer system STRESS (1965), joined Carnegie Mellon University in 1971, and was elected to the National Academy of Engineering.





New York Kappa '60

David A. Korenstein

December 2, 2025

He worked for GE Aerospace and pioneered systems engineering methods for incorporating new imaging technologies in low Earth orbit satellites (Landsat program) and also worked on the Apollo moon landing program.



North Carolina Alpha '79

Diane E. Boone

January 15, 2025

Had a 40-year career at the Center for Advanced Aviation Systems Development at the MITRE Corporation. Her work as an analyst led to many tangible improvements to the nation's air transportation system.

BETA MI B

Stanley, Robert C., '52, August 4, 2005.
Moore, Eugene R., '56, January 22, 2024.
Ehinger, Stanton E., '57, October 5, 2025.
Pirkkl, John Francis, '62, September 27, 2025.
Simonen, Fredric A., '63, October 9, 2024.

GAMMA MI Γ

Davies, John Richard, '50, October 2, 2025.
Jewell, David Alan, '56, July 4, 2021.
Melvin, William Coleman, '63, July 1, 2025.
Geck, Paul Emil, '67, November 18, 2025.
Allen, Thomas E., '70, December 3, 2025.

MINNESOTA

ALPHA MN A

Fleming, David Paul, '61, March 30, 2024.
Patch, Dan F., '65, August 20, 2005.
Bunker, William R., '66, January 8, 2004.

BETA MN B

Ace, Kevin Francis, '98, October 15, 2025.

MISSISSIPPI

ALPHA MS A

Dorroh Jr., Will Edwin, '59, Dec. 15, 2025.
Jones, Donald Rush, '61, June 28, 2025.
Ogletree, Benjamin F., '69, December 5, 2025.

MISSOURI

ALPHA MO A

Chamberlain, Robert B., '67, July 10, 2020.

BETA MO B

Smith, James Alfred, '47, no details.
Borberg, James Robert, '52, January 9, 2026.
Maxton, Ralph C., '60, June 24, 2022.
Patterson, J. Scott Jr., '73, Dec. 23, 2025.

MONTANA

ALPHA MT A

Krohne, John D., '48, no details.
Gunderson, Donald O., '60, Sept. 12, 2025.

NEW HAMPSHIRE

ALPHA NH A

Wright, Donald R., '64, November 8, 2014.
Cote, Mark A., '87, July 11, 2021.

NEW JERSEY

GAMMA NJ Γ

Giannuzzi, Louis F., '61, February 24, 2024.
Miller, Conrad O. M., '66, December 27, 2023.

NEW YORK

GAMMA NY Γ

Hidalgo, Fausto Gaston, '44, Dec. 23, 2025.
Hartung, Edward Clinton, '63, June 13, 2025.

DELTA NY Δ

Dawson, Ernest Carrington, '50, Dec. 31, 2019.

EPSILON NY E

Beckman, Kenneth N., '50, Oct. 31, 2025. *Cent.*
Hochberg, Howard M., '57, March 5, 2025.

ETA NY H

Oslon, Arthur, '52, no details.
Daragjati, Viktor M., '79, November 28, 2025.

THETA NY Θ

Suran, Jerome J., '49, March 22, 2025.

KAPPA NY K

Korenstein, David A., '60, December 2, 2025.

NU NY N

Barreca, Nicole M., '96, October 9, 2025.

NORTH CAROLINA

ALPHA NC A

Boone, Diane Elizabeth, '79, Jan. 15, 2025.

DELTA NC Δ

Hart, Simon, '24, September 22, 2025.

NORTH DAKOTA

ALPHA ND A

Nelson, Lyle David, '58, June 21, 2025.
Henderson, Allen James, '61, Feb. 4, 2022.
Larson, Lawrence Roger, '70, June 11, 2024.

BETA ND B

Johnson, Arnold F., '59, Sept. 16, 2025.

OHIO

ALPHA OH A

Berman, Barry Lee, '64, October 15, 2017.
Dean, Lawrence Erle, '67, Aug. 13, 2022.

GAMMA OH Γ

Stevens, Karl K., '61, January 6, 2025.

DELTA OH Δ

Moore, Mathew Franklin, '62, Oct. 25, 2025.

ETA OH H

Larkins, James T., '74, May 13, 2023.

THETA OH Θ

Combs, Ollah, '71, March 28, 2023.

LAMBDA OH Λ

Stassin, Jeffrey L., '80, December 13, 2025.

OKLAHOMA

ALPHA OK A

Shiflet, Stephen Thane, '86, April 3, 2010.

OREGON

ALPHA OR A

Boubel, Richard William, '53, Sept. 11, 2010.
Young, John Alan, '53, May 26, 2025.

GAMMA OR Γ

Ailes, James Michael, '12, no details.

PENNSYLVANIA

ALPHA PA A

Sacks, Ivan Jerome, '62, October 30, 2007.

BETA PA B

Fortune, W. Jan, '49, November 17, 2017.
Hahn, John R., '54, no details.
Grusetskie, Lawrence J., '70, Oct. 23, 2025.

EPSILON PA E

Nielsen, William Coolidge, '48, no details.
Bera, John Peter, '70, July 2, 2024.

THETA PA Θ

Matzko, William B., '69, October 22, 2023.
Lindinger, Mary Jeanne T., '78, Oct. 1, 2025.

RHODE ISLAND

ALPHA RI A

Olding, Duncan Robert, '55, Dec. 24, 2025.

BETA RI B

Coutu Jr., Roger L., '74, December 6, 2025.

TENNESSEE

ALPHA TN A

Rucker Jr., John Bumpas, '47, Jan. 30, 1986.
Hickman, Charles E., '57, June 16, 2023.
Little Jr., Joe P., '63, January 2, 2026.

BETA TN B

Martiniere Jr., John P., '68, Nov. 20, 2025.
Wiser Jr., Cyrus W., '79, October 21, 2025.

TEXAS

ALPHA TX A

Stephens, Autry Carl, '61, August 16, 2024.
Franklin, Billy George, '64, Nov. 15, 2007.
Tegarden, James H., '66, May 28, 2020.

BETA TX B

Wine, James Clarence, '56, no details.
Uher, Edward L., '65, October 7, 2025.

DELTA TX Δ

Stephenson, Stanley E., '47, August 12, 2023.
Porter Jr., James Walter, '51, Nov. 19, 2025.
Hector, Perry G., '55, May 3, 2001.
Evans, Ronnie L., '68, September 28, 2021.

EPSILON TX E

Ryan III, James J., '70, January 12, 2026.

UTAH

ALPHA UT A

DeVries Jr., John, '61, October 5, 2022.

VIRGINIA

ALPHA VA A

Batchelor, James D., '48, Aug. 5, 2025. *Cent.*
Foster, Ted Morgan, '63, September 4, 2025.

BETA VA B

Pierce, Edward H., '50, January 18, 2026. *Cent.*
Marks III, Edward A., '59, July 25, 2025.

WASHINGTON

ALPHA WA A

Buckingham Jr., William H., '50, no details.
Asplin, Lyle Irving, '59, February 16, 2025.
Anderson, Donald Marsh, '65, Nov. 18, 2025.

BETA WA B

Galligan, William L., '52, October 15, 2024.
Senko, James F., '64, July 30, 2021.
Holter, Casey Randal, '13, August 21, 2025.

WEST VIRGINIA

ALPHA WV A

Lilly, Larry Joe, '64, July 3, 2025.

BETA WV B

Warner, Charles Lee, '72, January 6, 2026.
Ervin, William W., '74, November 5, 2019.

WISCONSIN

ALPHA WI A

Grainger, David William, '50, January 9, 2025.
Eichfeld, William F., '70, January 8, 2021.

BETA WI B

Waraczynski, Kenneth F., '48, April 5, 2020.
Klokow, Richard E., '49, May 7, 2025. *Cent.*
Wellstein, Frank A., '55, June 10, 2024.
Pier, Nicholas F., '61, August 23, 2025.
Bella, Robert Allen, '65, no details.

SPECIAL

Piest, Robert F., July 15, 2022. *Cent.*

Alumni Giving

Eaves Club continued

ND A Dahlin, Earl Charles '58
 Jacobsen, John W. '69
 McLaughlin, Jenny Louise '84

ND B Dehen Jr., James John '80

OH A Cross, Matt David '05
 Ehlert, Donald Arthur '84

OH B Hamilton, Edward L. '73
 Harner, Brian Lee '85

OH Γ Dietz, James Francis '69
 Hagenlocker, Edward Emerson '62
 Howland, Smith Eugene '69
 Orkins, James E. '66
 Quellette, Andrew Louis '86
 Anonymous '86
 Robinette Jr., William Henry '68

OH Δ Felice, Conrad William '79
 Miller, Truesdell Charles '64
 †Moore, Mathew Franklin '62

OH E Duscha, Rudolph Albert '59
 Nock, Jeffrey Edward '80

OH Z Busbey, Bruce C. '84
 Herman, Madison Rachele '13
 Zelms, Charles Michael '73

OH H Kohlhaas, Richard L. '62
 Schmoll, Joseph Herman '81
 Sweeder, James '82

OH Θ Doyle, James Thomas '65

OH I Larson, William Jed '75
 Snyder, Sharon E. '09

OH K Billman, Randy William '82
 Maki, Luke Richard '78

OH Λ Eckhardt, Andrew James '79
 Krueger, Karl Hermann '73
 Murphy, Charles James '77

OH M Dull, Daniel D. '90

OK A Bastron, Victor Christian '66
 Carnes Jr., Albert Cowser '56

OK B Royce, Robert Michael '73
 Sossamon, Dana Ray '76

OK Γ Basore, Paul Alan '78

OR A Arsenaull, Paula Marie '81
 Bishop, Donald Lee '65
 Jones, Reilly '75
 Leonard, Jim Phillip '77
 Milton, Stuart W. '84
 Paynter III, W. Burton '74
 Sterk, Frederick John '64
 Tuttle, Neil James '09

OR Γ Lynch, Sarah Hayward '89

PA A Roach, John Steven '61
 Weber Jr., John Herbert '63

PA B Anderson, Charles Alfred '57
 Best, William Joseph '80
 Kolivosky Jr., John Edward '92
 Krolick, Ronald David '83
 Laverty, Bruce Andrew '82
 Moore, Albert Lloyd '56
 Orosz, Matthew P. '02
 Thompson Jr., A. '63
 Weston, Matt Wayne '93
 Zahora, Kenneth Richard '76

PA Γ Cavalier III, Forrest Joseph '89
 Cavalier, Nina Leslie '89
 Anonymous '68
 Wisman, Craig Burton '75

PA Δ Besarab, Anatole '65
 Hocker Jr., Robert Gerard '71
 Sheker, Robert E. '91

PA E Hermann, Frank Valentine '59
 Mansfield, Brian David '91
 Ryan, Richard Edward '86
 Wetzal, Ed Donald '74

PA Z Ebner, Alan Martin '61
 Kasoff, David '55

PA H Boldt, Charles Martin '73
 Hotchkiss, Jeff R. '69
 McDonnell, Robert William '48

PA Θ Daniels Jr., Harold E. '66

PA I Schoenberger, Lewis Robert '84

PA K Mangelsdorf, Frederick E. '53

PA Λ Hovanec, Andrew Stephen '58
 Schurko, Robert John '78

RI A Fleming, Read T. '77
 Healy, Henry Stephen '71

RI B Bradley, Ken Alan '81
 Brady III, William James '80
 Dalrymple, Gerald Andrew '83
 Doss, Thomas Glenn '71
 Drennan Jr., Bob Francis '70
 Rushton, Floyd Robert '63

SC A Harris, Raymond E. '87
 Pappas, Alexandros A. '71
 Thomas Jr., Cunningham Palmer '58
 Wilson Jr., Robert Lewis '69

SC Γ Fletcher, Robert Hough '64
 Reed III, Hank McDavid '85
 Armentrout, Daryl Ralph '65
 Bowers, Bob '68
 Cook Jr., Joseph Campbell '65
 Davis Jr., Fred Thomas '74
 Jennings-King, Sherry Denise '93
 King, Greg Tyler '93
 Layman, Terry '77
 Mossman, David Charles '67
 Peugeot, Richard Scott '60

TN B Brown, George Arthur '55
 Burnett Jr., Wilton Wright '67
 Convery, Thomas Patrick '02
 Green Jr., Thomas Bagley '75
 Hampton, David Rolston '85
 Marianelli, Walter David '75
 Shackelford III, Jim Rufus '60
 Buell, Phillip Ray '95

TN Γ Mancini, Vincent Eugene '86

TN Δ McLeod, Jeffrey Keith '83
 Carroll, Billy Dan '64
 Glasow, Brian Scott '99
 †Howerton, Lloyd Foster '51
 Klump, D. Craig '77

TX B Berthold, Kris David '04
 Darby, Mark Leslie '79
 Fleming, Liz Ann '79
 Gilmer, Tracy F. '80
 MacCallum, Gregory James '81
 Schacht, John Paul '63
 Stinson, John Michael '66

TX Γ Cox, Bill E. '76
 David, Anne Marie '87
 Hunter, David George '79
 Johnson, Terry Robert '55
 Turvey, Harry Douglas '73

TX Δ Armstrong, Bryan M. '95
 Fink, Tami Neal '91
 Pollock, Stephen Theodore '70
 Simpson, Stancy Jean '79
 Spahn, Rex Lee '80
 Weisinger Jr., William Samuel '62
 Zimmerman, Keith Donald '89

TX E Hon, Richard Wai-Leung '67

TX Z Broussard, Lance Armance '97

TX H Falk, Nathan Max '75
 Godwin, Albert Eugene '84
 Nicholson, James Eric '75
 Thompson, James A. '72
 Williams, Larry Donal '80
 Witt III, Arthur William '68

TX Θ Havo, Karen Patricia '86
 Van Landingham, David Jennings '74

TX Λ Alsop, Albert Walter '80

UT A Carn, Ronald M. '72
 Davidson, Stuart Wayne '83
 Lyman, George Randall '79
 Cimonetti, Bill James '59
 Sheldon-Dean, James Pickering '79

VT A Cobb, Eben Charles '77

VT B Garner, Patrick Lynn '72

VA A Hardy Jr., Edward Ira '69
 Harpel, Barbara McLaughlin '96
 Harris, Wesley Leroy '64

VA B Adams III, George Bunch '78
 Long, David A. '91
 Reading, Christopher Russell '00
 Shearer, Richard Lee '70
 Gehr, David R. '68

VA Δ Confer, Peggy Jean '81

WA A Fosberg, Ted Michael '59
 Matteson, James Harris '66
 Oiyee, Martin Yasuyuki '76

WA B Groat, John '94
 Hudspeth, James Charles '88
 Opfer, Neil David '76

WV A Baker, Walter Lee '74
 Campbell, Donald Franklin '78
 Rockenstein, Richard C. '63
 Raines, Linda N. '83

WV B Delucca, Gregory James '59

WI A Forkner, Stacey Lynn '96

WI B McMorro, Daniel Patrick '98
 Mooney, Thomas Joseph '79
 Swiontek, Thomas John '69

WI Γ Formella, John Patrick '81
 Klos, Timothy Allen '88

WY A Gallensky, Neil Ellis '82

\$1,000+ Downing Club

AL A Hawkins, Lawrence Allen '81
 Hill, Gregory John '74
 Johnson, Edwin '71
 Malseed, Robert Allen '77
 Singley, John Charles '73
 Vollberg, Walter Karl '73

AL B Mason, William Warren '89
 Shields, Clark Richard '71
 Slaughter, Charles Jeff '82

AL Γ Boulware-Kelley, Ashley A. '93
 Little, George Alan '81
 Sawawneh, Mary Christine '76

AL E Mincy, John Wayne '70

AK A Darrow, Margaret Marie '02
 LaBelle-Hamer, Brendan Tully '83
 Leonard, Leroy Edward '72

AZ A Bailey, Harold Earl '71
 Frondorf, U.G. '69
 Krisa, Kenneth Charles '82
 Mahr, Eric Michael '97
 Martinjak, Frank Robert '72
 McSpadden Jr., William Robert '56
 Park, Trevor Howard '97
 Sacha, Robert Alan '82

AZ B Beemer, Jeffrey Brian '80
 Leach, David Robert '76
 Takinen, Scott Alan '79

AZ Γ Bruening, Brenda I. '82
 Bruening, Gregory Wilfred '80

AR A Ball, Donald Harlin '66
 Brady, Mark Jeffrey '83
 Clark, Terence Brent '56
 Perciful, Jerry Cecil '60

DOWNING CLUB CONTINUED

CA A	Bruemmer, Timothy Michael '84 Feldsher, Theodore Baker '85 Florez, Valerie Province '99 Gourdin, William H. '72 Holzer, Peter John '79 Leung, Cissy S. '80 Morihiro, Steve '79 Ong, Allen '70 Reynolds, Barry Duane '84 Secor, Kenneth Eugene '55	CA E	Reukauf, Paul James '70 Veit, Brian Richard '98 Baxley, Paul Alma '81 Bloomer II, Thomas Wayne '99 Fowler, David Michael '92 Greco, Anna Maria Elvira '81 Hawkins II, John Colman '79 Patterson, Richard Harold '74 Peterson, John A. '93 Schroeder, Steven Albert '78 Smith II, Gordon F. '97 St. Clair, Christine Marie '81 Stewart, Diana Frieda '83	FL B	Byrum, Bruce Banks '77 Charlton, John Dunaway '72 Garmizo, David W. '89 Hayden, James George '69 Lorberbaum, Henri Stuart '77 Rathkopf, James Arden '79 Shelton, Mark Robert '80 Talbot, Michael Thomas '71 Townsend, Frank Charles '62 Traverse, Richard Stephen '71 Vande Vusse Jr., Gerald '65 Woodward, Michael Boyd '85
CA B	Young, Lawrence Renwick '71	CA O	Fiedler, James Michael '78 Fitzsimons, Michael Joseph '79 Flentz, John Michael '77 Mulvihill, Michael Edmund '60 Page, John Arnold '61	FL G	Anderson, Barry Jay '75 Preslar, Daniel Alton '91
CA G	Bankovitch, Walter John '87 Clyne, Alisa Morss '96 Edmundson, Bruce James '71 Ellgas, Robert Alan '74 Likins, Peter William '57 Love Jr., Ralph Edwin '57 Madden, Christopher J. '85 McClendon, Scott '60 †Mitchell, Donald Beckley '59 Muscha, Leslie Catherine '95 Weaver, James A. '71	CA P	Catanich, Steven Peter '83 Costello, Vincent J. '08 Mandrell, Nathan Keith '92 Motogawa, Bruce Joji '75	FL Z	Delarentis, Daniel Andrew '92 Fricke, Steven Allen '93
CA Δ	Bolliger, James E. '71 Brooks, James Ray '72 Griffith, Glen Arthur '72 Hamilton III, Edsel Poston '72 Katin, Bob A. '74 Klein, Shelley Marie '82 Rey, Daniel '66 Shields, Linda '84 Yamashiro, Keith Kotsu '79	CA Y	Burns, Michael Thomas '88 Dawson, Carole Jeanne '85	FL I	Passarelli, Brian L. '10
CA E	Anton, Philip Sean '85 †Axt, Bob Donald '66 Bremmer, David Franklin '71 Hou, Victor Tsin '87 Krieger, Marc Yared '88 Masumura, Robert A. '62 Reichert, Ralph Jeffrey '67 Ssutu, Louis '65 Stein, Eugene P. '68 Woo, Raymond '72	CO A	Bement Jr., Arden Lee '54 Benjes III, Skip Henry Herman '87 Devoe, Tracie Kay '82 Pratt, Ronald Maynard '80	GA A	Backhaus, George Peter '83 Bodner, Douglas Anthony '87 Brown Jr., Harry Jay '65 Brush, Gary Stoddard '80 Coons, Louis Whatley '81 Faulkinberry, David Laws '77 Glover, Edmund Cook '60 Hicks, John Palmer '81 Kaduck Jr., William Walter '76 Kegel, Vincent Leo '82 Menges, Thomas Abel '78 Northington, Peyton Alexander '78 Oslick, Rochelle '83 Parker, Jonathan Edward '59 Seay II, Charles Tomlinson '63 Shurbutt, J. Steven '75 Smith, Micheal Monroe '79 Sudderth, Stella K. '80 Taylor Jr., George Brown '75 Tyler, Stephen M. '84 Wetenhall, Paul David '73 Yarbrough, David Wylie '60 Jones, David Neal '92
CA Z	Egan, Thomas Vincent '88 Masnada, Dan Angelo '75 McGuire, John Patrick '58 Vlahutin, Paul Andrew '65	CO B	Bain, Lawrence Joseph '59 Davis, Gregg Randal '77 Erickson II, Thurston Gunnar '74 Farmer, Brian Keith '78 Hamai, Daniel Masao '86 Herhold, Mark Kenneth '80 Joselyn, Jo Ann '65 Sorensen, Chris David '79 Talcott Jr., Noel A. '73 Weber, Douglas C. '70 Woempner-Martin, Cynthia Ellen '81	GA B	Ahlschlager, Alan Douglas '87
CA H	Broadston, Robert Dean '94 Cirigliano, Richard Louis Joseph '81 Holstead, Raymond H. '71 Pershon, James M. '79 Ramirez, Victor George '70 Rawson, Rollin Fred '61 Rossow, Terry Lynn '66 Zanini, David Victor '90	CO Δ	Blakeley, Jeb Edward '78	ID A	Peters, Daniel J. '80
CA Θ	Gerwien, Phillip Harvey '77 Hill, Jo Ann Lucy '87 Hoekstra, Gerben N. '66 Piburn, Russell J. '75 Skalka, Gregory Dennis '82 Stone, Ronald E. '66	CO Z	DeCrescentis, Joseph Michael '92	IL A	Bassler III, Robert Edward '74 Baumgartner, Richard Albert '69 Boehm, Ronald Jack '81 Davison, Brian C. '87 Dowden, Douglas Calhoun '73 Drolen, Bruce Lee '78 Ellis, Paul David '66 †Fenves, Steven Joseph '57 Flitman, Jeff Edward '82 Hanus, Daniel Joseph '86 Hendron Jr., Alfred Joseph '59 Herning, Joel Gregory '69 Kipp, Lyle Dean '86 Kuske Jr., John Anthony '61 Lenzini, Peter Arnold '75 Michlovich, Michael Samuel '81 Mikitka, Robert William '54 O'Brien, Vincent Edward '67 Resman, Tom A. '84 Saltzman, Jay Adam '90 Schleicher, Kathy Louise '85 Schoenberg, Kurt Francis '72 Smith, Leslie Garrett '48 Sorenson, Gregory Erik '03 Stutzman, Byron William '60 Vogel, Frederick M. '80 Wilhelm, Dale R. '80 Wilkins, Gregory Martiné '92 Williams, Allan Richard '71
CA I	Hanna, Hugh Allen '60 Schluer, David Wesley '82 Wrigley, Chris J. '96	CT A	Bridges Jr., Roy Dubard '65 Baublitz, John Eberhart '60 Bennett, Beth Anne '91 Gerson, Gordon '58 Kucera, Daniel Jerome '61 Lehman, Philip Lester '76 McLeod, Christopher Kevin '77 Montermoso, Juan P. '69 Saubestre, Paul Andre '79 Troutman, John Leo '65		August, James Michael '67 Johnson, J. Randall '63 Kinast, John Arthur '79 McBlaine, Michael Richard '75 Nelson, John David '60 Stocker, Danny Lee '86
CA K	Treinen, Donald Joseph '83	CT B	Brenna, Patricia Mary '81 Conklin, James Charles '70 Douglass, Michael Richard '79 Hill, Dorian Evan '69 Pollack, Ted Eliot '70 Sobol III, Anthony Joseph '70 Staniunas II, Joseph William '65 Valerio, Clement V.A. '70 White, Bill Richard '65		
CA Λ	Chargin, David Anthony '97 Johnson, Lowell H. '65 Kiss, Bob David '85 Sanicky, Susan Margaret '72 Schmitz, James Arthur '83 Snyder Jr., Roland Curtis '74 Stanley, Richard L. '79 Sturgeon, Randy Randall '70 Verbrugge, John Allen '77 Wilson, Darrell M. '73 Young, Jeffrey W. '69	CT G	Allen, Beth Anne '01 Boccia, Chris-Michael '97 Bradley, Kevin Patrick '91 Folsom, Steven Allen '77 Gulian, Franklin Joseph '83 Keyser, Kevin Justin '88 Packard, Lawrence Bruce '88 Grayson, Rodney Maurice '71 Sharpe, Irene White '63 Wimberly, Mark Oliver '77		
CA M	Johnson, Bruce William '78 Lee, Steven Yang-Sien '86 Robertson, David Wayne '74	DC A	Delgado, Tony J. '93 Kosnik, Cris Josephine '95 Lee, Wah H. '73 Maggio, John Joseph '81 Grassel, Herbert Hans '77 Hill, Howard Thiebaut '62 Sonstebly, Ornuv '74 Wilhelm, Eugene Bailey '86 Ardaman, A. Kurt '81 Burbart, Scott Lawrence '78		
CA N	Harmeyer, Michael Allen '90 Johnson, Michael Robert '86 Mayer, Robert James '85	DC B			

Alumni Spotlight

Erik S. Pelletier, CFA, RIB '18

I am a University of Rhode Island alumnus, where I was enrolled in the International Engineering Program, which allowed me to double major in mechanical engineering and German language. I joined Tau Beta Pi in 2016 before venturing to Germany for a year abroad. During my time there, I spent six months studying at the Technical University of Darmstadt, located just outside of Frankfurt. Following this academic experience, I completed a six-month internship with the automotive company ZF in Friedrichshafen, a small city on Lake Constance overlooking the Swiss and Austrian Alps.

As a Tau Bate beginning my career search, I was propelled into my first professional role with BMW at their manufacturing facility in South Carolina, working as a quality engineer in the Global Leader Development Program. This program afforded me the opportunity to work internationally across a variety of departments. First, I spent three months working at BMW's headquarters in Munich, further refining both my engineering and German language skills, and then another three months in San Luis Potosí, Mexico, at BMW's newly opened manufacturing facility producing the 2- and 3-Series models for the North American market. After three years with BMW, I returned to New England to take on a role as a quality manager with an aerospace company based in Newton, MA. Following a two-year tenure there, I decided it was time for a professional shift and transitioned into what I now consider my second career.

In spring of 2023, I moved into wealth management with Merrill Lynch. One of the aspects I value most about being a Tau Bate is understanding the wide range of opportunities available to engineers and recognizing that even outside of traditional engineering roles, **you remain a Tau Bate for life**. As a wealth advisor, I apply the same problem-solving principles and analytical mindset I developed in engineering school to address clients' needs. My engineering background also motivated me to pursue the Chartered Financial Analyst (CFA) designation, one of the highest distinctions in the investment management profession. I am proud to share that I earned the title of CFA Charterholder in April of 2025.

This career has allowed me to combine analytical rigor with meaningful, face-to-face interactions. I am living proof that formal engineering training and lifelong membership in Tau Beta Pi can open an immense number of opportunities, even beyond the engineering field.

Currently, I serve as Central Connecticut Alumni Chapter president and hope to continue increasing my involvement with Tau Beta Pi in the years ahead. I now live in New England with my lovely wife, whom I married in May 2025 (and yes, she is also an engineer).



GET TO KNOW ERIK:

- Has traveled to 15 countries and plans to see many more.
- Played hockey his entire life, including as a goalie for the URI varsity men's hockey team.
- In 2017, he attended one of the world's largest music festivals in Brussels, Belgium.

Erik encourages you to reach out at erik.pelletier@ml.com to learn more about his work, journey as a Tau Bate, or to say hello and share stories.

Alumni Giving

Downing Club continued

MA E	Lichtig, John Forrest '83 McEachern, James Francis '70 Payne, Bob Joseph '86 Sciartelli, Anthony Paul '86 Swanton, Bruce David '85 Tsang, Janis Ka Ping '87 Tsang, Paul Tze Leung '84				
MA Z	Benwood, Bruce Robert '69 Rainville, Bob '68 Wylie, Bruce Kerr '66				
MA H	Daniels, Susan Carol '81 McKinstry, Bob C. '84				
MA Θ	Allen, Karen Leonard '89 Gregg, John Edward '84 Hertel, Mark Douglas '86 Moran, James Edward '83				
MA I	Smith, David Robert '87				
MI A	Beimers, Chuck John '69 Bonner, Robert Hudson '84 Gidner, Richard V. '53 Kupfer, Michael David '83 Mueller, James Michael '70 Othmer, Hans George '65 +Ryckman, Jim '38 Santoro Jr., Thomas Vincent '66 Tscharner, Christopher G. '83				
MI B	Bekins, Randy Lee '80 Edquist, Carl F. '77 Glidden Jr., Harry James '65 Groeneveld, Michele Anthony '63 Korpi, Mary Beth '76 Link, Barbara Ann '77 Mattson, James Arthur '70 Oliver, Bruce Leroy '63 Pelletier, Douglas Peter '89 Phillips, Gerald Raymond '70 Sauer, Dan Michael '05 Saul, William Edward '55 Stone, David Garth '69 Whitman, Brian Edward '92				
MI Γ	Altin, Mehmet '68 Anderson, Richard Walter '66 Barr, William Robert '70 Beman, Thomas J. '72 Berno, Jeffrey William '63 Bloomer, Craig D. '80 Bloomer, Kristine Marie '81 Burkholder, Earl F. '73 Capelli, Ronald B. '73 Chick, Kenneth Martin '91 Davis, Robert Allan '81 Duncan, T. Michael '75 Fertel, Howard Kevin '79 Fishback, James Allen '74 Hand III, Mike J. '11 Hickcox, Timothy Earl '65 Kleinau, Julie Ann '84 Kosnik, Paul E. '99 Kunz, James William '74 Lambert, Thomas Joffre '77 Lisiecki, Gayle Barill Joseph '79 Lisiecki, Robert Joseph '78 Lorts, Daniel Joseph '77 Lugten, John Butterfield '76 Macika, Raymond Edward '86 Maugh, Roger Edward '55 Miller, Carol Jean '79 Miller, Stephen Scott '78 Mohsberg III, Sidney Augustus '71 Nobunaga, Brian N. '83 Noronha, Michelle Josephine '11 Rhines, Walden Clark '68 Sanguinetti, John Winston '70 Sheets, Alan '81				
		MI Δ	Sherman, Larry Glenn '66 Smith, Thomas Murray '72 Stewart, David Mark '76 Stover, Dennis Eugene '67 Taylor, Mark Edward '74 Toliver, Christopher Michael '74 Totten, Halden Curtiss '61 Trecha, Theresa Marie '81 Weber, Michael Frederick '78 Winter, Steven D. '81 Ye, Eric Thomas '84		
		MI E	Caste, Richard Alan '68 Conti, Mark '76 Dauerer, Walter Peter '60 Kaunelis, Pranciskus Sautius '69 Marino, Joseph Anthony '72 Neyer, Jerome Charles '61 Rutkowski, Paul John '69		
		MI Z	Basberg, Douglas Spencer '69 Billion, Godwin Paul '75 Capraro, Michael A. '70 King-Monroe, Stephan Lee '08 Klaetke, George H. '55 Moses, Michael Joseph '00 Mutzelburg, Ronald Edward '68 Sigler, David Rudolph '76 Haines, John Gregory '72 Kovacs, Robert Lewis '86 Lachele, Roger Eric '75 Reardon, Robert Warren '74 Ricker, Jonathan Bruce '97 Scarlattelli, Michael George '76 Tarricone, Louis Guy '82 Wozniak, Curtis Steven '78 Zellner, Ed Joseph '75 Zywiol, Gary Steven '76		
		MI H	Harder, Shawn Jay '80 Nelson, David Arthur '85 Wukie, Tim S. '74		
		MI Θ	Kanfer, Marvin Eliot '71		
		MI K	Sikkenga, Chad Douglas '98		
		MN A	Bakke, Mark Alan '88 Ball, William Lewis '70 Bussey, Howard Emerson '79 Carlson, Philip Jay '68 Larson, Michael Lane '59 Loughlin, James Paul '85 Magney, Mark Charles '79 Maus, Brian Wayne '81 McLeod, Gary Wayne '70 Mortenson, Robert Lee '64 Petrich, Gale Sean '86 Schwartz, Gary Lynn '73 Tran, Binh Van '89		
		MS A	Carman Jr., Jack Baker '62 Clements, Nathan Scott '96 Cleveland, William Peter '10 Gelman, Stephen '73 Hatmaker Jr., John William '79 Hibbard, Janet C. '86 Hibbard, Michael Joseph '78 Hilkert, James Michael '71 Hodge, B. Keith '65 Hotard, Daniel Gerard '76 Linder, Richard A. '57 Miller, Elton Ray '70 Gray, James Michael '88 Brownfield, David Lee '68 Gardner, Roger William '63 Hea, James Peter '68 Henderson, Betsy Anderson '84 Herman Jr., Donald Louis '84 Koch, Dale Edward '72 Kuehnel, Charles George '62		
		MS B			
		MO A			
				MO B	Lange, Steve Joseph '85 Malin, Robert Clayton '83 Merz, Jeffrey B. '67 Potter, Charles Jarrett '71 Bodenhamer, Steven D. '75 Brewer, Lawrence Oliver '77 Brockhaus, Douglas Adolph '68 Buenemann Jr., Morris C. F. '82 Clemence, Samuel P. '62 Elfrink, Lindell Herman '62 Friedman, Marc Andrew '00 Hardebeck, Harry Elmer '57 Horstmann, Paul William '73 Kyser, Dale Anthony '83 Lytle Jr., Glenn Alden '66 McJimsey, Edward Clair '71 Patterson, Michael A. '77 Preston, Scott Steven '97 Schmidt, Thomas Edward '70 Stevens II, Oramel Dale '72 Wilreker, Victor Francis '72
				MO Γ	Dyson, Peter Bernard '80 Koester, Donald Raymond '52 Lingren, Terry Dale '80 Stephens, Mary Elizabeth '88 Delaney, Robert Charles '88 Egeland, Monte Dean '81 Jellison, Gabe Lee '98 MacKin, Peter '81 Jackson, Darron Boyd '86 Montgomery III, Wayne Warren '83
				MT A	Claar, Stephen Beryl '73 Matthews, Deborah Jo '82 Patterson, Roger Kent '73 Paxton, William Glenn '87 Schlautman, Mark Alvin '84 Shanmugam, Al '83 Silver, Harry Irvin '71 Sneed, Kathryn Kay '80 Stransky, David Wayne '92 Wolff, Nicholas Lowell '00
				MT B	Jones, Keith Alan '85 Van Horn, Michael David '76 Wigchert, Albert Henry '74
				NE A	Bailey, Joseph Gregory '86 Bickford, Maurice Dudley '59 Charron, Ronald Harvey '64 Hertel, Mark A. '72 Cloyd, Joseph R. '02 Chen, Kevin Emmanuel '06 Greenip Jr., John Francis '66 Hoyt III, John George '76 Anonymous '66 Ricco, Robert Philip '70 Schmidt, Arthur Joseph '68 Tensfeldt, Thomas George '81 Tompetrini, Kenneth Frank '65 Turgyan, Terrence Joseph '75 Bubenick, David Virgil '73 Capasso, Michael Anthony '82 Herrmann, Eric Peter '69 McCord, William Fred '64 Nixon, Allen Mackenzie '62 Palko, John Raymond '69 Shelestak, Larry J. '75 Starr, James W. '73 Tanner, Bob Brand '64 Wolf, David '65 Wollmann, Norman P. '81
				NV A	Andrus, James '02 De Caprio, Vincent '72 DeWaal, Johannes '70 Gagliardo, Reginald Saverio '70 Gittes, Marvin Steven '63
				NH A	
				NH B	
				NJ A	
				NJ B	
				NJ Γ	

DOWNING CLUB CONTINUED

NJ I	Goodrich Jr., Robert Rhoades '70 Gupta, Punit Kumar '96 Husson III, Matthew Alexander '66 Kraft, Gregory Charles '73 Labos, William Joseph '73 Morgan, Dennis Ross '68 Padgett, Richard J. '72 Rij, Jerry Jerome '72 Szebenyi, Tom A. '69 Tucker, John Harold '67 Zozzaro, John Lawrence '64					
NJ Δ	Brown, Geoff Scott '83 Gross, Gary Robert '80 Mills, Franklin Perry '84 Anonymous '78 Weinmann, Winston Eason '80					
NM A	James, Jonathan Christopher '97 Lucero, Patricia April '94 Walker, Michael '63					
NM B	Donnelly, Carolyn Elaine '01 Farber, Martin John '75 Salas, Thomas M. '85 Turner, Diane '78 Zich, Jon H. '80					
NY A	Richter, Stephen Lawrence '63 Thomashower, William Jay '70					
NY B	Baleno, Anthony Paul '66 Bickley, Thomas Duane '78 Olson, John Frederick '64 Smolowitz, Matthew Michael '80 Tobin, Michael R. '87					
NY Γ	Blakeman II, Robert Denis '89 Brown Jr., Alfred Winsor '66 Capek, Thomas George '86 Chow, Francis M. '96 Foust Jr., Tilman Harrison '68 Gardner, John Herbert '66 Ives, Jon Robert '61 Jennings, Robert Edgar '63 Joyce, Michael Edward '82 Levinson, Stanley H. '78 Lyden, Michael Joseph '78 Lynch, Michael Francis '87 Mucher, Craig Allen '82 Natale, Michael Robert '02 Veldman, John Peter '70 Walter, Robert Wayne '64 Watts, Ed Michael '96 White, Andrew Hamilton '71 Zmroczek, Lee Anthony '78					
NY Δ	Carino, Nicholas Joseph '69 Funke, Richard Harrison '71 Gordon Jr., James Power '83 Hodgson Jr., Edward William '68 Loomis Jr., Herschel H. '57 Ng, Benjamin '81 Philip, James Henry '69 Reth, Thomas Bernard '64 Reynolds, David Allen '71 Roseman, Ann Lynn '81 Sasso, Joseph Allen '70 Sinclair, Leroy W. '66 Thomson Jr., James Bruce '68 Van Arsdale, George Davis '62 Wiley, David Robert '82 Zola, Jeff Sol '91					
NY E	Barto, Thomas Peter '70 Boyarsky, David '59 Dobbins, Bob Mark '73 Jaasma, Edward George '59 Rosen, Fredric Kenneth '62					
NY Z	Hamm Jr., Bill '67 Parisse, Richard F. '61 Tuchband, Stuart Martin '63					
NY H	Beron, Michael '71 Boland, Peter Lewis '69 Filipek, Stephan John '82 Kaplan, Howard Ronald '55 Kisilevich, Aleksandr '97 Kushel, Glenn Elliot '68					
		NY Θ	Le, Phuong Dang '90 Prager, Jay Martin '68 Stahl, David '57 Valcourt, Jean-Mary K. '85 Welk, William '79 Campana, Michael Albert '94 Cipollina, Joseph Domenick '09 Free, Albert P. '78 Grubb, Mike Alan '78 Harris, Everette C. '76 Meyer, Bruce George '69 Newman, Mitchell James '81 Stone, Robert Edward '76 Boehm, Robert Andrew '79 Cassella, Judith Ann '71 Hartmann, Hans Gustav '70 Hauge, Kenneth '61 Keevill, Gary Steven '79 Schwartz, Richard '57 Ablowitz, Mark Jay '67 Epstein, Benjamin Ross '78 Hinshaw, David John '86 Hutchings, Donald Whitney '61 Isaacson, Morton Sanford '66 Singer, Bart Alan '82 Ganetis, George Louis '78 Killeen, Michael James '73 Knights, David Alexander '86 Novakoff, Alan K. '74 Passut, Charles Albert '67 Widmann, Bradley Howard '69 Hansen, Jean Griffith '77 Montgomery, Michael Earl '75 Sutter, Richard Randall '71 Wilcox, Robert E. '73 Bloom Jr., Gordon Lee '66 Darroch, Michael Edward '84 Feldman, Scott '75 Havas, Donald William '67 Jones, Carl L. '73 MacNeil, Randall Lewis '69 Morris, George Craig '63 Nuding, Theodore Glenn '75 Pardini, Thomas John '77 Stearns, Richard Earl '67 Ball, Michael John '72 Defelice, Nicholas James '77 Engels, Joseph Gerard '75 Mercandetti Jr., Anthony John '99 Mercando, Anthony Dominic '76 Sanderson, Ellen Irene '81 Steinle, Kathleen Susan '77 Taylor, Maryanne Barbara '80 Farrell, Timothy Michael '82 Lumish, Stan '78 Spitz, Glenn Steven '87 Barber, R. Todd '87 DeVoe, Charles George '76 Drexel, Peter George '69 Hoelscher, James Roy '71 Howles, Douglas '76 Kaemmerlen III, John T. '76 Turner, Clayton Phillip '90 Abreo, Leslie Anthony '97 Hartmann, Martin Robert '83 Lubrano, Michael '80 McBrien, William J. '87 Pooran, Nakechand R. '90 Wong, Wai Kin '85 Chacko, Vinny James '09 Torres, Peter '02 Venable, Richard Robert '95 Alexander, Ralph Bell '76 Baker, Fred Eugene '60 Burkart, Alex Raymond '72 Capps, Dickson Michael '75 Cutchin IV, James McKenney '62 Davis, John Michael '73 Doggett, William Ray '86 Machnik, Nicholas Jan '76			
				NC Γ	Minday, Richard Michael '66 Norville, John Albert '58 Redano, Richard '78 Shelton, Monty Lee '84 Skinner, James Orville '73 Stone, Ellen Kay '94 White, Samuel Ernest '69 Yohman, Don Forest '73 Younts III, William Ernest '79 Farst, Douglas Edson '79 Maxson, Robert Jay '62	
				ND A	Sauvageau, Donald Richard '70	
				OH A	Ammar, Gregory Steven '81 Bacevice Jr., Anthony Edward '70 Drier, Delmar Waldemar '52 Fernbacher, John Matthew '62 Hoh, Ka-Pi '84 Honious, Robert Todd '89 Kownacki, Edward Joseph '67 May, Ronald Alan '83 Oblak, John M. Oblak Michael '62 Ricart, D. Glenn '71 Weddell, James Kenneth '76 Bulcher, Thomas J. '76 Capriotti, Larry Allan '64 Dobashi, Harry Hideo '68 Fazzoni, Gregory Francis '76 Kojola, Scot Alan '95 Lang, Benjamin Otto '99 Nair, Suresh Neelakantan '83 Rex, Clinton Owen '92 Shields, John L. '75 Smelser, Ronald Eugene '71 Spires, Richard Andrew '84 Au, Ralph Daniel '71 Case, William Frederick '64 Deerhake, William Franklin '66 Edwards, Randy Randall '71 Engen, Todd Christian '81 Frey, Mary Ellen '89 Heath, J. Allen '78 Kinzel, Evelyn K. '69 Kirner-Prube, Susan M. '85 Magee, John V. '81 March, Michael Ross '85 Mendelsohn, Richard H. '71 Milder, Nelson Louis '59 Miller, Richard Herman '75 Nodes, Scott Everett '84 O'Neal, Joe Edward '55 Powell, David Allen '71 Price, Ted Walter '59 Shade Jr., W. Norm '70 Stambolis, James Nicholas '70 Stephenoff, Mark Stephens '79 Stumbaugh, Gary Allen '66 Verner, William James '58 Ankrom, Linda Steele '79 Beach, Theodore Lyman '87 Kurzen, Mark R. '71 Pflaumer, Robert Glen '67 Cull, Ronald Carl '70 Rutledge, Sharon Kay '84 Allman, Susan Jane '85 Breuder, Andrew Joseph '70 Eggers, James Arthur '72 Hartman, Dean H. '99 Lantier, Ward John '63 Miller, William Gilbert '83 Niemeyer, Joseph Bernard '85 Palazotto, Anthony Nicholas '55 Schneider, Greg Richard '80 Tolliffe, Brin Arthur '85 Wolfe, Stephen A. '85 Brennan, Thomas J. '83 Burkardt, Leo Arthur '67 Centers, Robert Edward '70 Kamowski, Dennis Daniel '73 Keller, Robert Lee '63 Kramer, Lawrence Joseph '62	
				OH B		
				OH Γ		
				OH Δ		
				OH E		
				OH Z		
				OH H		
				OH Θ		

DOWNING CLUB CONTINUED

OH ⊕ Mikalauskas, George Anthony '86
Sink Jr., Robert Dean '87
Usleman, Robert T. '71
Walsh, Michael Anthony '75

OH I Walter, Ken Leo '63
Bennett, Dan A. '73
Johnson, Scott D. '76
Walker, David W. '72

OH K Bunnell, Robert Lee '76
Duffy, Stephen Francis '78
Krause, Leonard Edward '76
Stimler, Jeff Joseph '84
Volosen, John '77

OH Λ Folk, Joseph William '98
Hallochak, Andrew John '77
Norling, Samuel A. '82
Stevens, Charles A. '58
Stiver, Alan Wayne '86
Suhar, Richard Allen '83
Hill, Leah Beth '10

OH M Brown, Leslie Wray '70
OK A Burton, Donald O'Neil '71
Dunn Jr., Robert Ovington '82
Gimpel, Robert Jefferson '73
Kleinsteiber, Stanley Warren '78
Lampl, Maurice Bernard '89
Leaman Jr., Gordon J. '73
Lewis, Philip Earl '78
Quigg-Young, Nancy Belle '78
Wolf, Jerald Michael '88

OK B Hand, Ronald Wayne '72
Perrault Jr., John Edward '75
Strattan, Bob '58

OK Γ Dean, Philip Maxwell '74
Sneed Jr., Elbert Lee '79

OR A Anderson, Joseph Russell '66
Rupe, Robert Charles '72
Shaw, Jim Walter '70
Stranahan, Chapman Arthur '65
Wilt, Jay N. '74

OR B Buchanan, Marlowe James '92
PA A Arrowsmith, Donald Leighton '65
Barndt, Ronald LaMar '58
Beil, David LeRoy '68
Bradley, Gordon Hoover '62
Branting, Katrina Louise '80
Brownlie, Thomas John '71
Butrie, Timothy '81
Edwards, Gilbert Spencer '67
Haist, Randall Matthew '80
Hjorth, Beverly Ellen '79
Jonas, Cynthia Joy '82
Jones, Donald Paul '65
Kankelborg, Carol C. '86
Lentz, Robert Raines '65
Midkiff, Alan Haywood '85
Parsons Jr., Donald Francis '70
Shah, Minesh Ashok '90
Swartwout, John Baxter '73
Wentzel, Alan Ray '75

PA B Bova, Francesco Antonio '05
Ciuca, James Allen '72
Cohen, Bruce Alan '72
Gasda, David Charles '70
Matthias, Tracey Dawn '89
Mayers, Douglas L. '74
Naffin, Richard Keith '06
Olinick, Stephen Andrew '71
Pasko, Thomas Joseph '59
Ross, David Stanley '69
Thiem, Carl William '72

PA Γ Capone, Christopher David '87
Chan, Allen Henry '82
Cooley, Wils Lahugh '64
Erwin, Jimell '73
Kornuta, Nick Joseph '81
Kuhr, Tina Michelle '81
Marietta, William Grey '68
Rudolph, Anna Jane '79

Sack, John Stuart '75
Spriggs, Scott Alan '87

PA Δ Baxley, John Hirst '88
Lewis, Timothy '64
Nackoney, Ogden G. '63
Seremetis, Constantine Michael '81
Turner, Michael Bryan '89

PA E Hagadorn, Hubert William '59
Matsumoto, Tadashi Campbell '60
Nolan, Chris William '86
Stratton, Carl William '81

PA Z Aepli, Theodore Carl '62
Anderson, John A. '79
Boyle, Elmer Hugo '59
Buchler, Robert Hans '92
De Maio, Michael '76
Eisenberg, Eric Jay '88
Georges, George C. '63
Hill Jr., Albert Meredith '67
Hillegas Jr., William J. '60
Hrebien, Leonid '75
Sarraf, Steven Scott '84

PA H Chick, Donald James '71
Gilman, Thomas Carter '66
Pedersen, Neil Jon '74
Reetz, Helen A. '78
Stiger, David Laverne '83
Swartz, William Ewing '54
Zimmerman Jr., Carle Clark '56

PA ⊕ Addotta, Robert Frank '77
Aschenbrenner, George T. '82
Braun, James Francis '84
Coyle, Todd Frederick '77
Lacz, Walter '69
Lombardi, Charles G. '65
McElhenny, Jim Edward '70
Salvo, John P. '56

PA I Dehoff, Gregg Alan '86
Haigh, Bruce Whittemore '71

PA K Beseler, Jan W. '88

PA Λ Andes, John Arthur '82
Blackburn, Thomas Andrew '82
Kulik, David Benedict '83
Musselman, Thomas Andrew '73
Tjader, William Stephen '79
Steranka Jr., Paul Ott '76

PR A Brana-Mulero, Francisco Jose '74
De Jesus, Tommy '00
Perez, Luis A. '88

RI A †Olding, Duncan Robert '55
Solomon, John Victor '60

RI B Adamedes, Zoe '84
Aubin, Timothy Francis '94
Bershtein, Margaret '85
Fletcher, Gilbert Alan '68
Silva, Ronald Ernest '74

SC A Barnwell Jr., Thomas Osborn '69
Hunter, James Richard '85
Marley, Brian Lee '89
Peters, William J. '70
Prothro, Joseph E. '63
Rankin, Anne Marie '90
Rast Jr., Heber Edward '63
Scherer, John Harry '65
Snider, Eric H. '75
Wilson, Rick Lane '81

SC B Brizes, Cindy '93
Feldmann, Andrew Russell '89
Hidlay, Charlene Marie '96
Massey, Kristina Logue '71
Walden, Gary R. '81

SC Γ Barton Jr., Robert Harley '62
Burton, Kevin Lane '90
Evans, Joseph Manly '60
Julich, Thomas Frank '76
Kelly, Robert Thomas '86
Kennedy Jr., Thomas William '64
Marbois, Matthew Clark '81
Messervy, Thomas Sinclair '00
Reed II, Henry McDavid '60
Vergnolle, Bob Roland '65

SD A Berggren, Mark Harry '76
Case, Robert Howard '75
Eisenbraun, Daniel Dale '75
Jenkins, Creties David '83
McCourtie, Bonnie Rae '80

TN A Cavender, James Milton '66
Conner Jr., Harold Tilton '68
Conway, Tammy Kay '82
Corson, James Thomas '73
Ellis, Jeffrey Thomas '93
Hunt, Roy Joe '67
Jenkins, Alvin Leigh '61
Olberding, Robert Louis '82
Olberding, Terry Darlene '78
Oliver, Edward Earl '66
Sarnaik, Jagadishchandra '81
Sewell, John Ike '54
St Clair, Edward Garland '70
Tomlinson, Edward Thomas '72
Totten, Barry Nelson '82
Waller, J. Wayne '60
Ward, Joanne Schaich '81
Whaley, Christopher Lewis '94
Williamson, James Moore '79

TN B Heflinger, Richard Scott '72
Myles, Jennifer Lee '94
Shireman, John Frederick '76

TN Γ Badiru, Adedeji B. '79
Crawford Jr., Walter Keith '62
Howey, James Edwin '68
†McCormick, Jack Randall '64
Murphy, Fred Anthony '71

TN Δ Luttmann, Lisa M. '82
Luttmann, Mark Joseph '82

TN E Climer, Charles Edward '82
Funderburk, Rodger Miles '89
Nimock, Major Lamar '85
Nolte, Jennifer Jan '77

TX A Boyle, Bruce William '79
Cardwell, John Wesley '68
Courtney Jr., Lonzo Cleveland '58
Dodge, Nathan B. '68
Hogan, David William '69
Hurst, Terry Lee '76
Kopecky, Johnny Anthony '65
Krieg, Raymond David '60
Luevano Jr., Richard '83
Matlock, John Hudson '67
Moss, Edward R. '64
Parent, Laurence Edward '81
Seaman, George Cook '65
Setliff, Sanford Ray '69
Shields, David Ray '00
Stanbery, Sam R. '64
Whitesides Jr., John Lindsey '65

TX B Baker Jr., Marvin Elroy '86
Davis, David Lynn '75
Gates, Robert Douglass '72
Husen, Douglas Lee '99
Jain, Ravinder K. '71
Marasco, David Foster '87
Moss, Michael William '83
Talati, Deepak A. '84
Upchurch, James Alan '76

TX Γ Altman, Thomas Clark '70
Hagler, Marion Otho '63
Horn, Kenneth Porter '61
Lucas, Raymond David '60
Mohr, David Norman '72
Money, Lloyd Jean '42
Wissinger, John Weakley '86

TX Δ Boedecker, Tom Jay '64
Boortz, Marielle Jean '77
Caso, Gregory Scott '87
Crews, James Alvin '58
Esparza, Edward Duran '66
Franke III, Henry Gerhart '87
Garner, Scott Jahrand '77
Hudson, Steven Clark '77
Johnson, Vance Clay '78

DOWNING CLUB CONTINUED

TX Δ	Kasch, Vernon Ray '73 Masset, Donald Allen '70 Mitchell, Melvin M. '52 Newton, Philip Lynn '67 Newton, Richard Wayne '70 Nolen, Kenneth Bernard '57 Pivonka, Thomas Gerald '72 Richards, Tamela Lynn '81 Smith, Manning DeWitt '64				
TX E	Herrmann, Edwin Peter '67				
TX Z	Mars Jr., Jim Floyd '72 McCabe, Glen Howard '82 McCaleb, Earl '64				
TX H	Brant, Kelly Miller '88 Loper, Thomas Lee '81 McBay, Michael Raymond '73 Southall, Hugh Landon '68 Tepper, John C. '82				
TX Θ	Brown, James '79 Chee Fong, Maria D. '91 Fong, Keith Batchelor '88 Goolsby, Tommy D. W. '84 Karlsruher, John Charles '77 Klancher, Michael James '80 Van Reet, Leo Joseph '70				
TX K	Alexander, Craig Steven '88 Davis Jr., Hulen Mack '80 Davis, Pamela Walker '79				
TX Λ	Coon, John W. '91 Perez, Romeo Rene '82				
UT A	Ferguson, Brian D. '80				
UT B	Ashby, Delroy '64 DeCarlo, Armondo '95 Hardy, Mark Douglas '84 Paxton, Thornton Shirrel '63 Thompson, James Rowley '76 Treseder, Robert C. '81				
VT A	Garno, Douglas Thomas '58				
VT B	Clark, David Thomas '81 Dekalb, Shawn Wayne '85 Henry, Thomas Arthur '70				
		VA A	Melzar, Jonathan Preston '85 Svrcek, Steven Paul '77 Ashton, Michael Duane '74 Byers, Duane Michael '80 Cahen Jr., George Lemuel '70 Cosby, James Gordon '61 Dye, Michael Loren '87 Evans, Gary Kyle '77 Forziati Jr., Ken Thomas '92 Mac Glashan, Donald Welton '57 McGhee, Kenneth Hamilton '64 Mudd, Courtney Payne '65 Price, Michael Glendon '74 Upshur, John Irving '83 Wyant III, Thomas Raymond '71		
		VA B	Beard Jr., Frank H. '64 Boward, Jill Kathleen '87 Dalton Jr., Eddie Gene '86 Demuth Jr., Nelson Sutton '61 Doughty, Gary Springer '77 Hyduke, Robert Alan '74 Madden, Michael Mark '91 Maloney, Melissa Marie '90 Sloan, Forrest Eugene '83 Sloan, Jennifer Susan '83 Snidow III, Lyle Christian '74 Sturm, Carroll Clark '78 Allen, James F. '74 Bullock, Dennis Eugene '76 Chandler, Alan Scott '77 Chou, Chung-Kwang '75 Levin, Marc E. '80 Miller, Steven Claude '72 Ogg, Dan Grant '85 Rosen, Donald George '58 Smith, Jeffrey Francis '82 Volkirch, Terry John '84 Aaserude, Robert Gerald '84 Hyde, Gary M. '64 Large, Robert William '60 Scott, Norman Ray '58 Turi, Michael Allen '07		
				WA Δ	Burton, Brian Carver '97 Campion, Paula JoAnne '00
				WV A	Bibbee, Dennis Evans '75 Boggs, Mark Steven '80 Fleischer, Charles John '70 Ramsey, Walter Jackson '74 Rowe Jr., Eldridge Eugene '88
				WV B	Farmer, Harry Clayton '70 Harding, Thomas Wayne '86 Janeshek, Anthony Martin '74 Powell, Jennifer Lee '81 Saultz, James Edward '50 Stevens, Ellen Weber '84
				WI A	Berman, Neil Sheldon '55 Byscher, Hugh '59 Diedrich, Donald Leo '69 Lutz, Leroy Albert '60 Nesbitt, John David '82 Pristelski, James Stanley '66 Schroeder, Jeffrey Alan '96 Senty, Jim Anton '60 Shimko, Darl Vann '79 Stinger, James R. '66 Thompson, Kenneth Gary '77 Derra, Kenneth William '90 Kleinvehn, Lynn Allen '65 Koeester, Fred William '59 Lubinski, Paul John '87 Pickett, Mark Allan '72 Schiedermayer, Ruth Hines '81 Sommerville, Martin Glenn '94 †Wellstein, Frank A. '55 Wentink, William Stewart '68 Wick, Paula M. '81
				WI B	Dunn, Jeffrey William '81 Jenn, David C. '75 Simon, Karen Anne '83 Fassett, Jeff W. '74 Galles, Daniel Joseph '74 Lester, Roger N. '87 Simon, Ronald Wayne '81
				WI Γ	
		WA A		WY A	

Dr. Goddard and the 100th Anniversary of the Liquid-Fueled Rocket

Many consider Robert H. Goddard (b. 1882) as the father of American rocketry and a pioneer in the theoretical exploration of space. Goddard dreamed of exploring the Earth's upper atmosphere and, ultimately, space using rocket propulsion. Although his work was revolutionary, he received little public support for his research. Following his theoretical work on the physics of rocketry, he began experimenting with different rocket engines. Believing that liquid propellants offered the most promise, **he successfully launched the first liquid-fueled rocket on March 16, 1926, on a farm in Auburn, Massachusetts (image right)**. His more advanced work and patents allowed American scientists to build, test, and fly more advanced rockets at the dawn of the Space Age.



Dr. Goddard passed Aug. 10, 1945, and did not live to see his dreams of rockets reaching into space come true. Regarded as one of the great pioneers of rocketry, Goddard's research established the groundwork upon which American rockets are built. Speaking in 1963, **Wernher von Braun, *MI G 1932***, developer of many rockets including the Saturn V that took astronauts to the Moon, reflected on Goddard's contribution to the space program, "His rockets ... may have been rather crude by present-day standards, but they blazed the trail and incorporated many features used in our most modern rockets and space vehicles." On May 1, 1959, NASA named the Goddard Space Flight Center (Maryland) in his honor.

A special thanks to Charles Slatkin, Founder of The Wonder Mission (<https://thewondermission.org/>), and co-author of "Robert Goddard's Massachusetts," with Kevin Schindler, and NASA for historical details.

ALUMNI NOTES

Your fellow Tau Bates are interested in news about **you**.



CALIFORNIA XI '16 **Germán Pineda**

Germán recently joined Solid Works as Chief Technology Officer. The company uses an app to provide information about introducing solid food to babies. He had been working at Inkkitt as a principal software engineer and is a licensed Scrum Master with a B.S. degree in aerospace eng'g from San Diego State University.



ILLINOIS BETA '05 **Satish J. Thomas**

Satish has announced that he is joining Google after 20+ years at Microsoft. Most recently as corporate vice president, Microsoft Business & Industry Solutions, he also spent two years as head of product, Microsoft Dynamics 365. His bachelor's in computer eng'g is from the Illinois Institute of Technology.



IOWA ALPHA '67 **LeVern W. Faidley** Ph.D.

LeVern was awarded the Iowa State James A. Hopson Alumni Service Award in recognition of a lifelong commitment to service and education. He's been an IA Alpha Chapter Advisor since 2006, the 2017 TBII Outstanding Advisor awardee, and helped establish a scholarship program for first year ISU eng'g students.



NEW JERSEY GAMMA '89 **Stephen Donald Sr.**

Stephen was named the Belleville Italian Man of the Year in conjunction with the Belleville-Nutley (NJ) Columbus and Italian Heritage parade. He had a 35+ year information technology career, including 25 years with NCR Corp., served as a youth wrestling & soccer coach, and is a supporter of Toys for Tots.



NEW YORK XI '70 **Charles J. Ruff** DMD

Charles has retired after a 44-year long career as an orthodontist in Waterville, Maine, and is moving to Pompano Beach, Florida, with his wife of 54 years, Rebecca. He earned a B.S. in chemical engineering from Manhattan University, served four years in the USAF, and then went to Tufts University for dental school.



OKLAHOMA GAMMA '16 **Kendal M. Theisen**

Kendal has been chosen as the new Oklahoma Dept. of Transportation (ODOT) state traffic engineer. In her career, she's worked in construction management at the Tulsa Residency, overseeing the first phase of the I-44/US-75 interchange project, and helps mentor and recruit the next generation of engineers with ODOT.



OREGON ALPHA '01 **Abbie S. Kimerling** Ph.D.

Abbie has been awarded the Esteemed Professional Member award by the Society of Women Engineers (SWE), recognizing her professional achievements, leadership in SWE, and community contributions. A ChE Ph.D. graduate, she works as an engineering leader at Nike Air Manufacturing Innovation.



PENNSYLVANIA BETA '04 **Alexander J. Rovnan**

Alex recently joined Myers Emergency & Power Systems as Director of Engineering. He previously worked at Stanley Black & Decker, Inc., as a principal systems and lead project engineer. Alex has B.S. and M.S. degrees in electrical eng'g from Penn State Univ., is a TBP Fellow (2005), and past District 3 Director (2007-15).



PENNSYLVANIA ZETA '09 **Alexis R. Cohen** J.D.

Alexis has joined Sidley Austin LLP's litigation practice as an intellectual property partner. Her work is concentrated in the life sciences and medical device sectors and she previously worked at WilmerHale. Alexis has a biomedical eng'g degree from Drexel Univ. and law degree from George Washington Univ.



WISCONSIN GAMMA '09 **Robert Delgado-Navarro** P.E.

Robert was named the 2026 Military and Civilian Engineer of the Year by the Naval Facilities Engineering Systems Command Mid-Atlantic. A Design Director for Naval Station Great Lakes PWD, he has a blend of military experience, eng'g heritage, and global & technical expertise, including 10+ years of Civil Engineer Corps active duty.

Send news about promotions, honors, civic activities, weddings, etc. to Tau Beta Pi, P.O. Box 2697, Knoxville, TN 37901-2697 or to d.lane@tbp.org. Deadlines: May 1 for **Summer** issue and August 1 for the **Fall** issue. Include a recent head shot, name, address, chapter/class year, and email address or phone number. We cannot accept graduation announcements. Thank you!

ARIZONA GAMMA

Steve Sanghi ('75)

José Luis Cruz Rivera ('91)

On November 7, 2025, two key figures at Northern Arizona University (NAU) joined Tau Beta Pi as eminent engineers: Steve Sanghi, CEO of Microchip Technology Inc., and NAU President Dr. José Luis Cruz Rivera.

Mr. Sanghi has an M.S. degree in electrical and computer engineering from UMass Amherst, 40 years of leadership in the semiconductor industry, and in 2024 the Steve Sanghi College of Engineering at NAU was named following a significant gift from Steve and Maria Sanghi.

Dr. Cruz Rivera joined NAU in 2021 as the university's 17th president. He is a patented inventor with a B.S. degree in EE from UPR-Mayagüez and master's and Ph.D.

degrees from Georgia Tech, specializing in optical interconnections for ultracompact massively parallel processing systems.

The ceremony was held during NAU's Homecoming week and brought together students, faculty, and alumni in celebration of academic excellence and integrity. In addition to AZ Gamma chapter leaders, the Association was also represented by **Marla Peterson**, AZ A '83, (past president, 2025) and **Norman Pih**, TNA '82, (past president, 2017).

We are grateful to **Christian Brown**, AZ G '25, president of NAU's Arizona Gamma Chapter, and NAU COE **Dean Charles Chadwell, Ph.D., P.E.**, CA A '97, for their leadership and commitment to fostering a thriving community of engineers at NAU. With such a great alumni turnout at the induction, Norman Pih is looking to start a Flagstaff Alumni Chapter to benefit the collegiate chapter with more direct alumni interaction and support.



AZ Gamma chapter leaders and TBP eminent engineers Sanghi (far right) and Cruz Rivera (far left).

STUDENT-ATHLETE HIGHLIGHTS



INDIANA DELTA '26

Emma R. Hickey

Emma was recently selected as the Missouri Valley Conference (MVC) Scholar Athlete of the Year and also recognized by College Sports Communications as an Academic All-America Second Team member. On the volleyball court, she was recognized as the MVC Libero of the Year, a First Team All-MVC performer, ranking 11th nationally with 5.06 digs/set, and 17th in NCAA D-I history with 2,665 career digs, which makes Emma the active career leader in digs across all divisions. In the classroom, she carries a 3.94 GPA as a civil engineering major and has received the MVC Commissioner's Academic Excellence Award.



MASSACHUSETTS KAPPA '26

Lydia M. Melaschenko

Lydia was named Metro Athletic Conference Female Student-Athlete of the Week in January, averaging 15 ppg and leading the women's basketball team with a 22-point performance against Siena. This season, Lydia is averaging 11.5 ppg, has hit a team leading 46 3-pointers, and has scored the most points for the Warriors (173). She's been just as effective in the classroom, being selected to the president's list every semester at Merrimack College where serves as MA Kappa Chapter recording secretary and ASME chapter treasurer. Lydia also tutors peers and her senior design robot will be representing Merrimack at the Framingham VEX V5 Competition.

2026 DISTRICT CONFERENCE SCHEDULE

District 1: April 18-19
MA Kappa – North Andover

District 2: April 11-12
NY Tau – Binghamton

District 3: April 10-11
PA Eta – Lewisburg

District 4: March 28
DC Alpha – Washington, DC

District 5: Feb. 28 - March 1
GA Delta – Athens

District 6: March 27-28
AL Alpha – Auburn

District 7: March 27-28
OH Alpha – Cleveland

District 8: April 12-13
WI Beta – Milwaukee

District 9: February 20-22
KS Gamma – Manhattan

District 10: April 10-11
TX Alpha – Austin

District 11: April 17-18
MN Alpha – Minneapolis

District 12 (E): March 6-7
WY Alpha – Laramie

District 12 (W): March 6-7
UT Alpha – Salt Lake City

District 13: April 17-19
AZ Alpha – Tucson

District 14: April 17-19
WA Alpha – Seattle

District 15: February 28
CA Eta – San Jose

District 16: February 21-22
CA Xi – San Diego

Note: Conference dates are subject to change.
For the latest information, check our website at:
www.tbp.org/districts.cfm#conf-schedule

THE BENEFITS OF MEMBERSHIP

See the complete list at:

www.tbp.org/member-benefits.cfm

CIVIL SERVICE: Automatic entry-level advancement of U.S. Government applicants to GS-7. More at: <https://www.tbp.org/?TBPGS-7>.

DELL: Discount program on Dell-branded personal products, electronics, and accessories. See **back cover** for more details.

FARMERS: Members have access to group discounts on auto and home insurance. **See page 14 for more.**

HP: Partnership providing exclusive discounts on HP products.

LOCAL HOSPITALITY: Access to a worldwide inventory of hotels at exclusively discounted rates.

PPI: Receive a 20% discount on PPI-published preparation materials for the FE/EIT and PE engineering licensing exams.

LINKEDIN: Join more than 39,000 members in our official group for professional networking and career discussions (search: Tau Beta Pi Engineering Honor Society).

TAU BETA PI JOB BOARD: Post a resume online and browse hundreds of engineering jobs at top companies.

Class of 2026 NAE Members

Continued from page 5.

Full list at: www.nae.edu/345149/NAENewClass2026

The 34th Tau Beta Pi from this year's National Academy of Engineering class is:

Karen I. Winey, Ph.D., NY Δ '85
Univ. of Pennsylvania – For contributions to understanding and advancing polymer nanocomposites and ion-containing polymers.

Looking for Content From a Previous Issue?

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Reach out to d.lane@tbp.org with any other requests.

COLLEGIATE CHAPTERS

266 COLLEGIATE CHAPTERS
259 ACTIVE — 653,390 MEMBERS

7 Inactive chapters shown in **BLUE**

Α = ALPHA
Β = BETA
Γ = GAMMA

Δ = DELTA
Ε = EPSILON
Ζ = ZETA

Η = ETA
Θ = THETA
Ι = IOTA

Κ = KAPPA
Λ = LAMBDA
Μ = MU

Ν = NU
Ξ = XI
Ο =OMICRON

Π = PI
Ρ = RHO
Σ = SIGMA

Τ = TAU
Υ = UPSILON
Φ = PHI

Χ = CHI
Ψ = PSI
Ω = OMEGA

AL ALPHA Auburn University
BETA University of Alabama
GAMMA Univ. of Ala. at Birmingham
DELTA Univ. of Ala. in Huntsville
EPSILON Univ. of South Alabama
AK ALPHA Univ. of Alaska Fairbanks
AZ ALPHA University of Arizona
BETA Arizona State University
GAMMA Northern Arizona University
DELTA Embry-Riddle Univ., Prescott
AR ALPHA University of Arkansas
BETA Univ. of Ark. at Little Rock
CA ALPHA UC Berkeley
BETA Calif. Institute of Technology
GAMMA Stanford University
DELTA University of Southern Calif.
EPSILON UC Los Angeles
ZETA Santa Clara University
ETA San Jose State University
THETA Calif. State Univ., Long Beach
IOTA Calif. State Univ., Los Angeles
KAPPA Calif. State Univ., Northridge
LAMBDA UC Davis
MU Calif. Poly St. Univ., San Luis Obispo
NU Calif. State Poly Univ., Pomona
XI San Diego State University
OMICRON Loyola Marymount Univ.
PI *Northrop University (inactive)*
RHO California State Univ., Fresno
SIGMA UC Santa Barbara
TAU University of California, Irvine
UPSILON Calif. St. Univ., Sacramento
PHI University of the Pacific
CHI California State Univ., Fullerton
PSI UC San Diego
OMEGA Harvey Mudd College
ALPHA ALPHA Calif. St. Univ., Chico
ALPHA BETA UC Riverside
ALPHA GAMMA San Francisco St. Univ.
ALPHA DELTA UC Santa Cruz
ALPHA EPSILON Univ. of San Diego
CO ALPHA Colorado School of Mines
BETA Univ. of Colorado Boulder
GAMMA University of Denver
DELTA Colorado State University
EPSILON Univ. of Colorado at Denver
ZETA U.S. Air Force Academy
CT ALPHA Yale University
BETA University of Connecticut
GAMMA University of Hartford
DELTA Fairfield University
DE ALPHA University of Delaware
DC ALPHA Howard University
BETA Catholic Univ. of America
GAMMA George Washington Univ.
FL ALPHA University of Florida
BETA University of Miami
GAMMA University of South Florida
DELTA University of Central Florida
EPSILON Florida Atlantic University
ZETA Florida Institute of Technology
ETA FL A&M Univ.-FL State Univ.
THETA Florida International Univ.
IOTA Embry-Riddle Aero. Univ.
GA ALPHA Georgia Institute of Technology
BETA Mercer University
GAMMA Georgia Southern Univ.
DELTA University of Georgia
ID ALPHA University of Idaho
BETA Idaho State University
GAMMA Boise State University
DELTA Brigham Young Univ.-Idaho
IL ALPHA Univ. of IL at Urbana-Champaign
BETA Illinois Institute of Technology
GAMMA Northwestern University
DELTA Bradley University
EPSILON S. Illinois Univ. at Carbondale
ZETA University of Illinois at Chicago
IN ALPHA Purdue University
BETA Rose-Hulman Inst. of Technology
GAMMA University of Notre Dame
DELTA Valparaiso University
EPSILON Trine University
ZETA Indiana Univ.-Purdue Univ. Indpls.
IA ALPHA Iowa State University
BETA University of Iowa
KS ALPHA University of Kansas
BETA Wichita State University
GAMMA Kansas State University

KY ALPHA University of Kentucky
BETA University of Louisville
GAMMA Western Kentucky University
LA ALPHA Louisiana State University
BETA Tulane University
GAMMA Louisiana Tech. University
DELTA Univ. of Louisiana at Lafayette
EPSILON University of New Orleans
ME ALPHA University of Maine
MD ALPHA Johns Hopkins Univ.
BETA University of Maryland
GAMMA U.S. Naval Academy
DELTA Univ. of Maryland Baltimore Co.
EPSILON Morgan State University
MA ALPHA Worcester Polytechnic Inst.
BETA Massachusetts Inst. of Tech.
GAMMA *Harvard University (inactive)*
DELTA Tufts University
EPSILON Northeastern University
ZETA University of Mass. at Amherst
ETA Boston University
THETA Univ. of Massachusetts Lowell
IOTA Western New England Univ.
KAPPA Merrimack College
LAMBDA Wentworth Institute of Tech.
MI ALPHA Michigan State University
BETA Michigan Technological Univ.
GAMMA University of Michigan
DELTA University of Detroit Mercy
EPSILON Wayne State University
ZETA Kettering University
ETA Lawrence Technological Univ.
THETA Oakland University
IOTA Univ. of Michigan-Dearborn
KAPPA Western Michigan Univ.
LAMBDA Grand Valley State Univ.
MN ALPHA Univ. of Minnesota-Twin Cities
BETA Univ. of Minnesota, Duluth
MS ALPHA Mississippi State University
BETA University of Mississippi
MO ALPHA Univ. of Missouri-Columbia
BETA Missouri Univ. of Science & Tech.
GAMMA Washington University
DELTA Univ. of Missouri-Kansas City
EPSILON Saint Louis University
MT ALPHA Montana State University
BETA Montana Tech. of the Univ. of MT
NE ALPHA Univ. of Nebraska-Lincoln
NV ALPHA University of Nevada, Reno
BETA Univ. of Nevada, Las Vegas
NH ALPHA Univ. of New Hampshire
BETA Dartmouth College
NJ ALPHA Stevens Institute of Technology
BETA Rutgers University
GAMMA New Jersey Inst. of Tech.
DELTA Princeton University
EPSILON Rowan University
ZETA The College of New Jersey
NM ALPHA New Mexico State University
BETA University of New Mexico
GAMMA NM Inst. of Mining & Tech.
NY ALPHA Columbia University
BETA Syracuse University
GAMMA Rensselaer Polytechnic Inst.
DELTA Cornell University
EPSILON *New York Univ. (inactive)*
ZETA *Brooklyn Polytechnic (inactive)*
ETA City College of CUNY
THETA Clarkson University
IOTA Cooper Union School of Eng'g.
KAPPA University of Rochester
LAMBDA *Pratt Institute (inactive)*
MU Union College
NU SUNY at Buffalo
XI Manhattan College
OMICRON SUNY at Stony Brook
PI Rochester Institute of Tech.
RHO NYU Tandon School of Eng'g.
SIGMA Alfred University
TAU Binghamton University
UPSILON U.S. Military Academy
NC ALPHA North Carolina State Univ.
BETA *Univ. of North Carolina (inactive)*
GAMMA Duke University
DELTA Univ. of NC at Charlotte
EPSILON NC A&T State University
ZETA East Carolina University
ETA Western Carolina University
THETA Campbell University

ND ALPHA North Dakota State University
BETA University of North Dakota
OH ALPHA Case Western Reserve Univ.
BETA University of Cincinnati
GAMMA Ohio State University
DELTA Ohio University
EPSILON Cleveland State Univ.
ZETA University of Toledo
ETA Air Force Institute of Tech.
THETA University of Dayton
IOTA Ohio Northern University
KAPPA University of Akron
LAMBDA Youngstown State Univ.
MU Wright State University
NU Cedarville University
XI Miami University
OK ALPHA University of Oklahoma
BETA University of Tulsa
GAMMA Oklahoma State University
OR ALPHA Oregon State University
BETA Portland State University
GAMMA University of Portland
DELTA Oregon Institute of Tech.
PA ALPHA Lehigh University
BETA Pennsylvania State University
GAMMA Carnegie Mellon University
DELTA University of Pennsylvania
EPSILON Lafayette College
ZETA Drexel University
ETA Bucknell University
THETA Villanova University
IOTA Widener University
KAPPA Swarthmore College
LAMBDA University of Pittsburgh
MU Penn State Erie, Behrend College
PR ALPHA University of Puerto Rico
QATAR ALPHA Texas A&M Univ. at Qatar
RI ALPHA Brown University
BETA University of Rhode Island
SC ALPHA Clemson University
BETA University of South Carolina
GAMMA The Citadel
SD ALPHA S. Dakota Sch. of Mines & Tech.
BETA South Dakota State University
TN ALPHA University of Tennessee
BETA Vanderbilt University
GAMMA Tennessee Tech. University
DELTA Christian Brothers Univ.
EPSILON University of Memphis
ZETA Univ. of Tenn. at Chattanooga
ETA Lipscomb University
TX ALPHA University of Texas at Austin
BETA Texas Tech. University
GAMMA Rice University
DELTA Texas A&M University
EPSILON University of Houston
ZETA Lamar University
ETA Univ. of Texas at Arlington
THETA Univ. of Texas at El Paso
IOTA Southern Methodist University
KAPPA Prairie View A&M University
LAMBDA Texas A&M Univ.-Kingsville
MU Univ. of Texas at San Antonio
NU Univ. of Texas Rio Grande Valley
XI University of Texas at Dallas
UAE ALPHA American Univ. of Sharjah
UT ALPHA University of Utah
BETA Brigham Young University
GAMMA Utah State University
VT ALPHA University of Vermont
BETA Norwich University
VA ALPHA University of Virginia
BETA Virginia Poly. Inst. & State Univ.
GAMMA Old Dominion University
DELTA Virginia Military Institute
EPSILON Virginia Commonwealth Univ.
WA ALPHA University of Washington
BETA Washington State University
GAMMA Seattle University
DELTA Gonzaga University
WV ALPHA West Virginia University
BETA West Virginia Univ. Inst. of Tech.
WI ALPHA Univ. of Wisconsin-Madison
BETA Marquette University
GAMMA Univ. of Wisconsin-Milwaukee
DELTA Milwaukee School of Eng'g.
EPSILON Univ. of Wisconsin-Platteville
WY ALPHA University of Wyoming

ALUMNI CHAPTERS

82 ALUMNI CHAPTERS
52 ACTIVE

30 Inactive chapters shown in **BLUE**

DISTRICT 1
Central CT, Hartford
Greater Boston Area, MA

DISTRICT 2
Buffalo, NY
Central Jersey, NJ
Long Island Suburban, NY
Newark, NJ
New York City, NY
New York Capital District, NY
Rochester, NY
Southern Tier, Binghamton, NY

DISTRICT 3
Lehigh Valley, Bethlehem, PA
Philadelphia, PA
Pittsburgh, PA
Wilmington, DE

DISTRICT 4
Baltimore, MD
Charlotte, NC
Hampton Roads, Newport News, VA
Kanawha Valley, Charleston, WV
Research Triangle, Durham-Chapel Hill-Raleigh, NC
Richmond, VA
Washington, DC

DISTRICT 5
Atlanta, GA
Central FL, Orlando
Daytona Beach, FL
Gainesville, FL
Miami, FL
Midlands, Columbia, SC
Palm Beach/Broward, FL
Piedmont, Clemson, SC
Puerto Rico
Southwest FL
Tampa Bay, FL

DISTRICT 6
Bluegrass, Lexington-Frankfort, KY
Central Alabama, Birmingham
Great Smoky Mountains, Knoxville-Oak Ridge, TN
Greater Gulf Coast, Mobile, AL
Louisville, KY
Mid-South, Memphis, TN
Rocket City, Huntsville, AL

DISTRICT 7
Ann Arbor Area, MI
Central MI, Lansing
Cincinnati, OH

DISTRICT 7
Columbus, OH
Dayton, OH
Flint, MI
Ohio's North Coast, Cleveland
SE Michigan, Detroit
West Michigan, Grand Rapids

DISTRICT 8
Chicago Area, IL
Central Illinois, Urbana-Champaign
Indianapolis, IN
Milwaukee Area, WI

DISTRICT 9
Kansas City, KS
Pioneer, OK
Rolla, MO
Scissortail, OKC-Norman, OK
St. Louis, MO

DISTRICT 10
Central Texas, Austin/San Antonio
North Texas, Dallas-Fort Worth
Greater New Orleans, LA
Texas Gulf Coast, Houston

DISTRICT 11
Ames, IA
Minnesota, Twin Cities, MN

DISTRICT 12
Pikes Peak, CO
Front Range, CO/WY
Wasatch Front, UT
Treasure Valley, Boise, ID

DISTRICT 13
Albuquerque, NM
El Paso, TX
Phoenix, AZ
Sun City, AZ
Tucson, AZ

DISTRICT 14
Columbia River Basin, Richland, WA
Portland, OR
Puget Sound, Seattle, WA

DISTRICT 15
Sacramento Vly, CA
SF Bay Area, CA
SF Peninsula, Palo Alto, CA

DISTRICT 16
Los Angeles, CA
Orange County, CA
Greater San Diego, California
Southern California



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