

Tau Beta Pi 2014-15 Scholar Bios

Pubudu C. Abeysinghe, *GEICO No. 43*

Pubudu is majoring in mechanical engineering with an area of concentration in high performance vehicles at Embry-Riddle Aeronautical University where he worked on thermal management system and aerodynamic enhancements for EcoCAR2. This summer he is working his second rotation in Neaton Auto Products Mfg., Inc., as a Honda interior design engineer. Upon graduation, he will pursue a position in mechanical engineering.

Alexander L. Adams, *Stabile No. 248*

Alex is studying chemical and biomolecular engineering at the University of Florida and is an officer of TBPi & AICHE, as well as a member of a hydrotechnic fountain design team. He is involved in research utilizing fullerenes for drug delivery and carbon nanotube production, and is interning this summer in Honeywell's Performance Materials Department. He hopes to apply his chemical engineering education in the field of materials research or medicine.

Amal A. Alam, *Bloomberg No. 8*

Amal is a biomedical engineering major at the City College of New York, where he specializes in neural engineering. He plans to pursue a graduate degree in neural engineering, after which he hopes to build a successful medical technology startup.

Brendon C. Allen, *Stabile No. 249*

Brendon is a mechanical engineering major at the University of Florida, where he ranks first in his class with a 4.0 GPA. Upon graduation he will pursue an MBA and M.S. in mechanical engineering. He wants to go into business management of an engineering company and one day to enter into politics. He hopes to change the world in any way he can for the betterment of society.

Nicholas J. Allen, *Record No. 893*

Nicholas is a mechanical engineering and honors major at the University of North Dakota. He is currently working as an intern at Hutchinson Technology. He has been an active volunteer on campus and throughout the community during his college career. After graduation, Nicholas plans on pursuing a master's degree in mechanical engineering. He aims for a career in the aerospace industry after completing his education.

Steven E. Ambers, *Forge No. 21*

Steven is studying civil engineering at California Polytechnic State University, San Luis Obispo. In addition to being next year's TBPi chapter secretary, he is a member of ASCE and Chi Epsilon, and he plays saxophone in a church combo once a week. He has interned for the Department of Defense at the Naval Postgraduate School and is currently interning with a small civil engineering firm. He intends to pursue a master's degree in civil engineering.

Anthony I. Ambrosio-Meir, *Madni No. 1*

Anthony is a civil engineering major at the University of California, Los Angeles focusing in structural engineering. At UCLA, he was secretary of the CA Epsilon chapter of TBPi and will be vice president for the 2014-15 year. After graduation, he plans to attend graduate school to further study structural engineering.

Amanda R. Anderson, *Sickafoose No. 2*

Amanda is majoring in chemical engineering with a minor in math at the University of Kentucky. She was recently named president of the local SWE chapter and is a university student ambassador. The past two summers, she has interned at Ashland Specialty Ingredients and loved both the process engineering and production aspects of a chemical plant. She plans on either pursuing a master's in chemical engineering or seeking a job in the chemical plant industry.

Brady K. Anderson, *Record No. 894*

Brady is studying mechanical engineering at Brigham Young University, where he is a Hinckley Scholar. He performs research in materials science and plans to complete a doctorate in aerospace engineering. He is interested in autonomous vehicle travel, and aims to emphasize in robotics for his career. He also enjoys volunteering at a language training center for missionaries, where he helps couples learn Portuguese.

Erik C. Anderson, *Record No. 895*

Erik is studying mechanical engineering and physics at Bradley University, where he is the TBPi chapter president. He enjoys tutoring and is also involved in several undergraduate research projects. In his free time, Erik practices martial arts, and has been studying Shaolin Kung Fu for the past decade. After graduation, he plans to obtain a graduate degree in either condensed matter physics or nano/micro technology.

Erik S. Anderson, *Record No. 896*

Erik is a computer engineering major at Montana State University, with minors in computer science and hispanic studies. He spends his time playing ultimate frisbee on the MSU club team and volunteering at the local animal shelter. He plans to pursue a career in artificial intelligence and robotics. After working for a few years, he plans to return to school to earn a graduate degree.

Jackson D. Anderson, *Stabile No. 250*

Jackson is majoring in microelectronic engineering at the Rochester Institute of Technology and has interned at the University of Rochester Laboratory for Laser Energetics, GLOBALFOUNDRIES, and IBM. On campus, he is involved with Cru and tutors electrical and microelectronic engineering classes in the Engineering Learning Center. After graduation, he is planning to find a summer internship and then go on to graduate studies in the fall.

Joseph L. Andros, *Dodson No. 56*

Joseph is studying chemical engineering and economics, with a special interest in the Chinese language and culture. He has worked as a reservoir and project management engineering co-op at EQT Corp. in Pittsburgh and has conducted systems medicine undergraduate research at the University of Pittsburgh. He will study in China before graduation, at which point he will continue his studies in a graduate program focusing on data analysis relating to business decisions in the global marketplace.

Logan M. Anteau, *Stabile No. 251*

Logan is studying electrical and computer science engineering at the University of Toledo. He has served multiple terms as chapter president of the Ohio Zeta chapter. He recently completed a co-op at Roush Industries where he worked in powertrain design. Upon graduation in May, he plans on pursuing a career in the automotive industry.

Teiyuri Aoshima, *AL Power No. 11*

I am a senior in electrical engineering at the University of Washington with a concentration in large scale power systems. In addition to being the TBPi vice president of my university, I have also completed three EE internships from Harris Group Inc., HNTB, and Tacoma Power. After graduation, I plan to work for a government organization such as the CIA or Department of Energy in order to truly make a difference in my country.

David A. Applegarth, *Record No. 897*

David is a senior in chemical engineering at Brigham Young University. He is interning for ExxonMobil in the Research & Engineering division of the company. At school, David has been involved with Global Engineering Outreach, which is a club dedicated to serving others by utilizing engineering skills. Upon graduation, David plans on pursuing a career in plant design.

Anna J. Arnaud, *GEICO No. 44*

Anna is a senior biomedical engineering major at the University of Arkansas. She works in the Regenerative Biomaterials Laboratory of Jeff Wolchok, Ph.D. She enjoys serving the university and community as a peer mentor, tutor, crisis center volunteer, and TBPi officer. Anna is applying to medical school and hopes to continue conducting biomedical research both as a medical student and eventually as a physician.

Dustin A. Arvola, *Record No. 898*

Dustin is majoring in mechanical engineering at Trine University. He holds officer positions in student government, TBPi, Order of Omega, Pi Tau Sigma, and Math Club. He is also a brother of the Delta Chi Fraternity. This summer he is finishing up his co-op program with Dometic Corporation. Upon graduation, he will pursue an MBA and M.S. in M.E. before beginning a career as a project manager in the defense industry.

Ruhani Arya, *Stabile No. 252*

Ruhani is majoring in chemical and biomolecular engineering with a minor in business at Cornell University. She enjoys doing research in computational fluid dynamics and atmospheric chemistry. She is the Student Services Director of Cornell SWE, a project manager in Energy Corps, and loves to teach in her free time—be it tutoring math or as a TA. She plans on pursuing a Ph.D. and an MBA after working in the industry for a few years.

Nicholas R. Asarese, *Stabile No. 253*

Nick is majoring in mechanical and aerospace engineering at George Washington University. He is an Eagle Scout, has a brown belt in jujitsu, and works part-time as a personal trainer at GW. As an NROTC midshipman, he will be commissioned as a second lieutenant in the United States Marine Corp. with a pilot contract upon graduating. He wishes to work as an engineer for the Department of Defense after his military service.

Thomas L. Avant, *Record No. 899*

Thomas is a computer science and engineering major at the University of Nevada, Reno with a minor in mathematics. He volunteers at a local kids' computer science camp in the Reno area teaching kids how to program using Blender and Python. Upon graduation, Thomas will pursue a career in data analytics and hopes to continue his education to earn his master's.

Craig C. Babiartz, *Record No. 900*

Craig is a senior studying aerospace engineering at the University of Illinois at Urbana-Champaign. Prior to transferring to U of I, he worked with a team of students at William Rainey Harper College designing and building a high-powered rocket for the NASA USLI competition. Craig has also developed hardware for testing CubeSat attitude determination systems and is currently interning at NASA Goddard. After graduation, he plans to pursue a master's degree.

Christopher G. Bargoud, *Stabile No. 254*

Chris is studying biomedical engineering at Rutgers University. He is a member of Alpha Eta Mu Beta and a member of the BME Honors Academy. He is conducting two research projects in the field of biomechanics. One studies stress fractures in the foot and the other works with a transhumeral prosthesis. After graduating, he plans on attending medical school to pursue his lifelong dream of becoming a surgeon.

Torrey M. Barlow, *Stabile No. 255*

Torrey is majoring in mechanical engineering at Binghamton University. This summer, he interned for BAE Systems Inc., where he worked on the development of electronic control systems for commercial and military aircraft. He plans to pursue a master's degree in mechanical engineering, and is also considering pursuing his MBA. Torrey hopes to participate in engineering research during his senior year, and ultimately work on product design and development in industry.

Molly E. Baumann, *Stabile No. 256*

Molly is studying biomedical engineering at Ohio State University. She is also minoring in Spanish. On campus, she is involved in many service organizations, including Circle K where she served as president last year and is now serving as governor of the district of Ohio. After graduation, she plans to attend either graduate school or medical school while continuing research. She currently is doing research in medical image analysis.

Helene N. Beauchamp, *Stabile No. 257*

Helene is majoring in mechanical engineering at the University of New Mexico, with a minor in Mathematics. She holds an officer position in the NM Beta Chapter of TBPI, and is also active in Pi Tau Sigma and the UNM student chapter of the Association of Energy Engineers. She has participated in the U.S. Department of Energy Solar Decathlon, and after graduation she plans to continue working in the field of renewable energy.

Breanna L. Bence, *Stabile No. 258*

Breanna is studying mechanical engineering at Washington State University, with a minor in French. She has completed two internships with BP in Anchorage, AK. Along with TBPI, she remains heavily involved in other organizations such as the SWE and the WSU College of Engineering and Architecture Coordination Council. After graduation, she will move to Alaska to begin as a full-time surface engineer with BP.

Amabella N. Bernardino, *Record No. 901*

Mia is studying civil and environmental engineering at Seattle University. She researched, developed, and presented a levee evaluation system as an engineering intern at DOER Marine. Mia is an instructor for probability and statistics for MIT's 2014 STEM Program and hopes to have a career in engineering education. She has sang the national anthem for the San Francisco Giants and, as a SAG-AFTRA member, appeared on Nickelodeon's "Victorious," the CW's "Gilmore Girls," and more.

Nicholas A. Bianco, *Stabile No. 259*

Nick is a mechanical engineering major at the University of Florida and is the TBPI chapter President. As part of a NSF REU program in biomechanics this summer, he worked as a researcher investigating how the neural coordination of motion can be used to improve computational modeling. After graduation, he plans to pursue a Ph.D. in mechanical engineering to develop software that will aid in the clinical rehabilitation of human movement disorders.

Molly A. Bird, *GEICO No. 45*

Molly is a biomedical engineering major and global health studies minor at Northwestern University. She is TBPI chapter vice president, a special events co-chair in Northwestern Community Development Corps, and recently held the position of social chair in the Society of Women Engineers. She has conducted research in the biomedical optics and hematology/oncology fields. Upon graduation, she plans to pursue a Ph.D. in BME to perform cancer research.

Daniel M. Bodily, *Record No. 902*

Daniel is studying mechanical engineering with a minor in business management at Brigham Young University. He is working currently as a research assistant in an emerging field of scientific computing called isogeometric analysis. This summer, he worked as an intern under leading professors in the applied mathematics program at the University of Texas. After graduation, he intends to pursue an advanced degree in computational science or control systems engineering.

Jennifer A. Boudreaux, *Record No. 903*

Jennifer is pursuing a degree in biomedical engineering at Tulane University. She is actively involved in the School of Science and Engineering, serving as president of Tulane's Biomedical Engineering Society as well as secretary of the Louisiana Beta chapter of TBPI. Jennifer is intrigued by the design and development of medical products, and upon graduating in May, she plans to pursue a career in the medical device industry.

Deanna Bousalis, *Campbell No. 29*

Deanna is a third-year chemical-biomedical engineering major at Florida State University. She is currently working in a laboratory researching the enzymatic hydrolysis of cellulose for its application in biofuels and alternative energy. She serves as an officer for FSU's Arab Cultural Assoc. and Korean-American Student Assoc. After receiving her bachelor's degree, she plans to attend graduate school for chemical engineering or medical school for an M.D.-Ph.D. program.

Mohamed A. Bouzaghane, *Walker No. 1*

Mohamed Amine is a civil engineering major at Howard University. He is ranked first in his civil engineering class. He is an NCAA Div. 1 student athlete, swimming for the Howard University Swim team. He is president of his TBPI chapter and worked as a teaching assistant in the civil engineering department. Mohamed Amine plans to earn a Ph.D. in civil engineering, after which he will start a career in academia and research.

Lynda M. Brady, *Stabile No. 260*

Lynda is a bioengineering major and statistics minor at Syracuse University. She is the TBPI chapter president, serves as a tutor and mentor for younger engineering students through the Academic Excellence Workshop program at SU, and spent a semester abroad in Ireland. She is currently researching the effect of radiation on bone structure and hopes to pursue a career in the medical device industry as well as a Ph.D.

Katherine E. Brock, *Scribner No. 25*

Katie studies civil and environmental engineering at Duke University and volunteers with FEMMES, a program that encourages elementary school girls to pursue careers in math, science, and engineering. She is also involved with Cru, a Christian ministry on campus, and is a strong supporter of Duke athletics and Philadelphia sports teams. After graduation, she hopes to earn a master's degree and then work in the field of water resources engineering.

Savannah R. Brown, *Stabile No. 261*
Savannah is studying mechanical engineering with a bioengineering applications specialty and a biochemistry minor at Kettering University. She is involved with TBPi, Pi Tau Sigma, Pre-Medicine Club, SWE, student government Academic Council, and is a peer tutor on campus. She also works at Ford Motor Company in Dearborn, MI, in Global Vehicle Crash Safety. After graduation, she plans to pursue master's degrees in biomedical engineering and in Prosthetics and Orthotics.

Ian H. Buckley, *Stabile No. 262*
A student of electrical engineering at Clemson University, Ian is performing undergraduate research with a micro-photonics group and will continue with the group throughout his senior year. Ian's motivation is to apply his acquired knowledge with purpose and creativity in his research. Ian will continue his study of electrical engineering in graduate school, focusing on his combined interests in photonics, optoelectronics, and applied electromagnetics.

Jake R. Buckmiller, *Record No. 904*
Jake is studying electrical engineering at South Dakota State University, where he excels with a 3.92 GPA. He is president of SDSU's chapter of the IEEE and treasurer of both TBPi and Eta Kappa Nu chapters, and has held student employment positions for both Daktronics and Sencore. In the next year, he looks forward to learning about photovoltaic and power systems, which he would like to apply to a career in the renewable energy field.

Trevor L. Buckner, *Record No. 905*
Trevor is pursuing a double major in mechanical engineering and computer science at Brigham Young University, as well as a minor in mathematics. He currently works as a Windows Administrator for the engineering computer labs on campus. Trevor is interested in the field of robotics and controls, and plans to attend grad school. He is eager for research opportunities in these fields and hopes his work can be of great benefit to others.

Travis G. Buse, *Stabile No. 263*
Travis is a chemical engineering major and first in his class at the South Dakota School of Mines & Technology. He is a varsity member of the Division II cross country & track teams, principle trombone in the jazz band and brass choir, and has completed research at the National Renewable Energy Laboratory. His plans include obtaining a master's degree in biochemical engineering before beginning a career in renewable energy.

Jordan C. Butler, *Spirit of Apollo No. 3*
I will be a senior civil engineering student at Clarkston University during the 2014-15 academic year. I am the President of the Society of Women Engineers and am very lucky to be the leader of an amazing group of women. During the school year, I tutor Clarkston and local high school students. I have a passion for teaching and plan on one day being a professor of civil engineering.

Jeffrey R. Buxton, *Record No. 906*
Jeff is majoring in civil engineering at Brigham Young University and will graduate in April 2015. This past year, he has been involved with an interdisciplinary research group designing a green, walkable city called the "Greenplex." In April, the group presented their design during the EPA P3 Sustainability Expo. This summer he is interning with the Arizona Dept. of Transportation. He plans on going to grad school and then designing skyscrapers and sports arenas.

Matthew J. Byrd, *Stabile No. 264*
Matthew is an electrical engineering student at Clemson University, where he maintains a 4.0 GPA. As a member of the Micro-Photonics Laboratory at Clemson, he is developing a new underwater optical communications system. He is active in TBPi, the Calhoun Honors College, and university band programs. Upon graduation, he plans to pursue his passion in photonics by obtaining a Ph.D. in EE followed by a career in advanced optical communication technologies.

Daniel C. Cambron, *GEICO No. 46*
Daniel is an electrical & computer engineering major at the University of Kentucky. He serves as the electrical engineering team manager for the UK solar car team and holds student officer positions in Eta Kappa Nu and the IEEE. He is a summer intern at Boeing in Fairfax, VA. Daniel has a passion for green energy and hopes to contribute to solving the transportation challenges of the future.

Jesse D. Carlson, *Record No. 907*
Jesse is a chemical engineering major at Brigham Young University. Last summer, he worked at a Tesoro Oil Refinery as a process engineer intern and is currently working at Westinghouse as an engineering analysis intern on a team exploring a new design for nuclear reactors. An avid Alaskan outdoorsman, he loves hiking, fishing, and rock climbing. Upon graduation, he hopes to pursue a career in the nuclear industry.

Wadie R. Chalgham, *Record No. 908*
Wadie is majoring in petroleum engineering at the University of Louisiana at Lafayette and is first in his class with a 3.97 GPA. He holds two patents related to networking and renewable energy fields. Also, he won the Cajun Code Fest 2014 Hackathon. He is an active member of the Society of Petroleum Engineers, Phi Kappa Phi, and founding father of Sigma Chi Fraternity. He plans to pursue a master's degree and ultimately a Ph.D.

Edmund A. Charlton, *Payton No. 1*
I am currently attending Embry-Riddle Aeronautical University as an aerospace engineering undergraduate student. I am also enrolled in the accelerated master's program at Embry-Riddle and plan on graduating in May 2015. I am a member of the American Institute of Aeronautics and Astronautics and the American Society of Safety Engineers. I am planning on concentrating in either structural engineering or flight dynamics and control in my professional career.

Feiran Chen, *Scribner No. 26*
Feiran is pursuing a double degree in electrical and computer science and computer science at Cornell. On campus, she is VP for TBPi and IEEE Cornell Chapters and president of Operation DEEP, which supports rural education in China. She spent this summer interning at Google and she's planning to continue her research in distributed systems in the coming year.

Peishi S. Cheng, *Stabile No. 265*
Peishi is studying materials science & engineering at the University of Florida. He is the president of the UF chapter of EWB, which sends teams abroad providing community-driven engineering solutions to underserved communities. He conducts research on piezoelectric nanowires for sensor applications in the Interdisciplinary Microsystems Group. He plans to pursue a graduate degree in materials science and eventually work in industry developing novel energy technologies.

Nicholas E. Civetti, *Stabile No. 266*
Nick is studying biomedical engineering at the Catholic University of America. He is secretary of his TBPi chapter and a three-year member of the CUA Men's Soccer team. He is engaged in research involving the rehabilitation of hand motor control in stroke patients. Upon graduating, Nick plans to get his master's degree in biomedical engineering, with a focus in rehabilitation engineering.

Joshua M. Cohen, *Soderberg No. 21*
Joshua is studying bioengineering at Binghamton University. This summer, he performed research in the use of stem cells for tissue allotransplantation at New York University's School of Medicine. Joshua is a varsity member and the treasurer of the Binghamton Crew Team, the Vice President of Binghamton's Global Medical Brigades, and a peer advisor for the engineering school. Upon graduation, he plans to pursue an M.D./Ph.D. in tissue engineering.

Benjamin T. Connair, *Stabile No. 267*
Ben is majoring in mechanical engineering at the University of Cincinnati. In addition to being a TBPi officer, he is the president of the UC triathlon club, and a member of the UC Formula SAE team. He has worked five semesters as a co-op with Barnes Aerospace, learning skills in manufacturing and fabrication. Upon graduation, he plans on pursuing either an MBA or a master's degree in mechanical engineering.

Kendall M. Covington, *Record No. 909*
Kendall is studying biomedical engineering at Duke University. Her current research is focused on designing medical devices for women in low resource settings. A love of travel has led her to spend summers repairing medical equipment with Engineering World Health in Nicaragua and teaching engineering to girls in rural Kenya. Outside of engineering, she is heavily involved in the Duke dance program. She aims to pursue a career in global healthcare technology.

Bradley H. Cruickshanks, *Dodson No. 57*

I am studying petroleum engineering at the University of Alaska Fairbanks. I have had internships with ExxonMobil and BP and hope to one day work for one of the major energy companies. During the school year, I am a math tutor. I enjoy hiking, fishing, soccer, ultimate Frisbee, volleyball, snowboarding, and just about anything outdoors. I also hope to go back to school to receive my master's in business administration.

Melissa E. Dery, *Stabile No. 268*

Melissa is studying chemical engineering at Worcester Polytechnic Institute and will graduate in May 2015. She enjoys playing tennis at school, as well as serving as the president of WPI's American Institute of Chemical Engineers chapter. She has internship experience at both EMD Millipore and ExxonMobil. After graduation, she hopes to start working, travel, and give back to the WPI AIChE chapter.

Christopher M. Diaz, *Stabile No. 269*

Christopher is an industrial and systems engineering major at University at Buffalo with a minor in mathematics. He currently works as a residential advisor at UB. After he is done with his bachelor's, he wants to pursue either a master's in industrial engineering or an MBA. He is completing his second summer interning with Wegmans Food Markets in the fields of transportation planning and supply chain logistics.

Dylan A. Dickstein, *Forge No. 22*

Dylan is majoring in aerospace engineering with a minor in mathematics at Cal Poly San Luis Obispo. Concentrating in astronautics, he is intrigued by the structural aspects of space vehicles. Alongside fellow engineering students, he spends his weekends working on rockets at Cal Poly Space System. To best prepare for a career in aerospace, he plans to pair his industry-oriented undergraduate education with research-emphasized graduate schooling.

Brent N. Dimmig, *Stabile No. 270*

Brent is a computer engineering major in his final year of study at Rochester Institute of Technology. He works as a teaching assistant and races on the Alpine Ski Team. Brent has experience working with embedded devices and low-level programming. In addition to his academics, he owns and operates a small web development business. He hopes to pursue further education in robotics or embedded systems.

MeiXing Dong, *Stabile No. 271*

MeiXing is studying computer science and computer engineering at Rensselaer Polytechnic Institute. She is vice president of her TBI chapter and president of her Eta Kappa Nu chapter. In addition, playing violin is a passion of hers; she has held the position of concertmistress of the Rensselaer Orchestra for three years. She is currently doing machine learning research and will be pursuing a Ph.D. in computer science, focusing on machine learning and computer vision.

Caleb J. Donnelly, *Stabile No. 272*

Caleb is a chemical engineering major at Northeastern University, where he plays for the varsity basketball team. He plans to join the B.S./M.S. program and pursue a minor in technical entrepreneurship. After that, he hopes to prepare for the P.E. exam, eventually earn his MBA, and then start a company that finds ways to apply engineering to sports. His long term dream is to earn a leadership role within a professional basketball organization.

Austin J. Dorenkamp, *Record No. 910*

Austin is a senior in computer engineering with an entrepreneurial studies minor at Iowa State University (ISU). At ISU, he has been involved in a variety of student organizations including Engineering Student Council (president) and the Navigators (student leader). Additionally, he has had two successful internships at IBM and Code42. After graduating, Austin hopes to use the experiences he's gained in college to start his own software company.

Joseph M. Dowell, *Hampton No. 1*

Joseph is studying electrical engineering at Prairie View A&M University where he will serve as Texas Kappa's 2014-15 President. He is involved in IEEE, NSBE, Brothers Leading and Cultivating Knowledge, and served as the captain of Prairie View's HCASC Quiz Bowl team. Joseph participated in a summer rotation with Chevron Pipe Line in an electrical field controls role. After graduation, he wants to obtain a master's in electrical engineering and research new forms of energy.

Jonathan T. Earl, *Forge No. 23*

Jonathan is an electrical engineering major at the University of California, Davis also pursuing a minor in music. He works in the VLSI Computation Lab research group at UC Davis as well as interns with Cadence Design Systems over the summer. He enjoys playing intramural sports and alto saxophone in the university jazz band. With a strong passion for music, he hopes to use his degree to work with loudspeakers or in an audio-related field.

Allison M. Ecker, *Stabile No. 273*

Allison is studying chemical engineering at the University of Dayton. As president of TBI and AIChE, she plans on increasing her involvement in the university's Women in Engineering Program. On campus, she works as a mentor in the supplemental instruction program, meant to provide interactive learning sessions for introductory classes. As part of the Bachelor's Plus Master's program, she is also working towards a graduate degree in materials engineering.

Andrew T. Eerdmans, *Record No. 911*

Andrew is studying chemical engineering with honors at the University of North Dakota, where he has held several AIChE officer positions and works as a UND tour guide. He enjoys mentoring Nepali and Somali refugees, performing piano, and training for marathons. This summer, he interned with Archer Daniels Midland where he improved energy efficiency of a soybean extraction plant. Andrew is looking forward to a future career involving sustainable energy or feeding the world.

William J. Eerdmans, *GEICO No. 47*

Billy is studying petroleum engineering at the University of North Dakota (UND). Billy has been the UND SPE President twice and is also involved with tutoring and Cru. This summer, Billy is interning with Continental Resources. After graduating, he is interested in getting 1-2 years of field experience and then deciding whether to get a master's in petroleum, system dynamics, or an MBA. Billy's ambition is to be a supervisor for an energy company.

Ryan J. Egbert, *Record No. 912*

Ryan is studying civil engineering with a minor in Spanish at Brigham Young University. He is currently doing research on ancient Mayan water systems. He is part of several honor societies on campus and enjoys serving as a volunteer of English classes in the community. He is proud to be an older brother to five amazing younger siblings. His goal is to make a difference in the world by using his technical and language skills.

Jeffrey W. Epperson, *Record No. 913*

Jeff is a chemical engineering student at Washington State University. He has served as a Senator for ASWSU representing the College of Engineering and Architecture as well as being the Vice President of the WA B TBI chapter. After graduation, he is considering becoming an officer in the U.S. Navy and joining the Navy Nuclear Engineering program. He would like to go back to school to get either a Ph.D. in chemical engineering or an MBA.

Andrew J. Estrup, *Stabile No. 274*

Andrew is studying chemical engineering at the University of Maine and has taken several renewable energy courses. Andrew is actively involved with the campus' Improv club and Honors College, and through the latter presented at a National Collegiate Honors Council Conference. Andrew spent the summer as an intern at Woodard & Curran, and he will write a thesis with UMaine's Forest Bioproduct Research Institute as he looks forward to a career focused on sustainability.

Niklaus H. Evitt, *Forge No. 24*

Nik is majoring in chemical engineering with honors at Stanford University. As a Swartz group member, he conducts research on photo-synthetic and cellulose-based biohydrogen production. He is the CA G TBI MindSET chair, a lead chemistry tutor for Stanford's Center for Teaching and Learning, and a teaching assistant. This summer, he interned at Genentech. Nik plans to pursue an M.D./Ph.D. focused on bridging the drug development gap between academic and industry research.

Matthew C. Fahrback, *Record No. 914*

Matthew is studying computer science and mathematics at the University of Kentucky. He is the captain of his school's ACM ICPC programming team, is an active member of Alpha Phi Omega service fraternity, coaches a local middle school MATHCOUNTS team, and has researched algebraic combinatorics at the University of Washington for the past two summers. He will pursue a Ph.D. in computer science after completing his undergraduate degree.

Joseph M. Feeney, *Stabile No. 275*

Joe is studying mechanical and aerospace engineering at West Virginia University. He ranks first in his class with a 4.0 GPA, is an active member in his TBEI chapter, and has also performed nanomaterials research while at WVU. Joe is working his second internship with GE Aviation and plans to pursue employment with GE. He also plans to pursue a master's degree in mechanical engineering with a focus on medical prosthetic devices and implant technologies.

Michael R. Flanagan, *Stabile No. 276*

Michael is studying civil engineering at the University of Cincinnati. He is heavily involved in the University Honors Program, and has held officer positions in both Chi Epsilon and TBEI. Michael has completed three co-op rotations at Messer Construction and two rotations at Hazen and Sawyer, P.C. After graduation, he hopes to pursue a master's degree or a career in the geotechnical engineering industry.

Kyle A. Flenar, *Stabile No. 277*

Kyle is studying aerospace engineering at the University of Cincinnati. He enjoys staying active with the club swim team and training for distance running events. He also conducts research in the field of air traffic management in the national airspace. He has completed internships at GE Aviation and NASA Ames Research Center and plans to pursue a master's degree or a career in space systems or controls.

Greg H. Fong, *Record No. 915*

Greg is a mechanical engineering major at Marquette University and is working towards completing the five year master's program. Previously, Greg was a manufacturing and mechanical engineering intern at the Harley Davidson Motor Company. Currently, Greg has returned to the Harley Davidson Motor Co. to focus on ergonomic issues as an assembly and mechanical engineering intern. Upon completion of his master's degree, he will pursue a career in the automotive industry.

Zach S. Foster, *Record No. 916*

Zach will graduate from the University of Nebraska-Lincoln with a degree in chemical and biomolecular engineering. He is a member of the executive boards of the NE Alpha Chapter of TBEI, the Engineering Student Advisory Board, the Interfraternity Council, Engineering Ambassadors, and the Innocents Society. Zach has interned with Burns & McDonnell, ExxonMobil, the Biological Process Development Facility, and has conducted research in the Bioprocess & Biomaterials lab.

Whitney C. Fowler, *Record No. 917*

Whitney is a chemical engineering major at Vanderbilt University with minors in chemistry and mathematics. Her passion is to use engineering to pursue clean water treatment for people in third world countries that lack the resources to help themselves. On campus, she enjoys being involved with the Navigators ministry, investing in and serving the people directly around her. She plans to pursue her vision to serve others around the world upon graduation.

Benjamin R. Frances, *Stabile No. 278*

Benjamin is majoring in electrical engineering at Penn State Erie, the Behrend College, and is pursuing a double minor in mathematics and computer engineering. In addition to being President of his local TBEI chapter, he is also Secretary of Behrend's Pi Mu Epsilon chapter, a national mathematics honor society, and is a member of IEEE. He enjoys tutoring part-time, as well as hiking through the forest that lies behind Behrend campus.

Nathan K. Fritz, *Record No. 918*

I am currently pursuing a bachelor's degree in mechanical engineering at Montana State University, but have also been active with the Honors College and the MSU Symphony Orchestra. I work with the MSU Composites Research Group on various projects; last year I focused on the strength of scarf joint repairs in composites. I am currently interning with Celanese Chemicals. I hope to earn a master's degree and work towards a career in research.

Michael B. Fromandi, *Record No. 919*

Michael is pursuing a degree in electrical and computer engineering with minors in computer science and applied mathematics at the University of Colorado at Boulder. He is currently an intern at Blue Canyon Technologies, where he assists in the development of attitude control systems for aerospace applications. After graduation, Michael plans to further his education by obtaining a graduate degree in electrical engineering.

Brittany L. Gallagher, *Stabile No. 279*

Brittany is a materials science and engineering major at Drexel University. She works in the laser holography lab studying energy storage systems. She also has co-op experience in R&D working on PTFE hollow fiber membranes for separation and purification. She enjoys participating in campus activities and hopes to help bring a MindSET program to Drexel. Her career interests include future work in R&D and eventually studying for a Ph.D. in materials science & engineering.

Jonathan M. Gallant, *Stabile No. 280*

Jonathan is an electrical and computer engineering major at the University of New Hampshire. He served as chair of the Hubbard Hall Council's Community Service Committee for the past two years. He is a member of the ECE Student Advisory Board, as well as the Hamel Scholars, another community service group on campus. Jonathan is enrolled in the honors program and plans to earn a master's degree in computer science following graduation from UNH.

Max C. Gallant, *Record No. 920*

Max studies materials science at the University of Utah. He is the owner of a startup company, Electrochrome LLC, which designs electrochromic ski goggle lenses and participated in a research project this summer at Clemson University identifying the effects of bombardment of highly charged ions on MOS devices. He plans to pursue a master's in materials science at the University of Washington and eventually work in the semiconductor industry.

Raul G. Garay Romero, *Stabile No. 281*

Raul is a mechanical engineering major at the University of Portland. He is an avid participant and organizer in his school's multicultural and volunteering events. He is a Spanish tutor, mentor, and teacher assistant. He will be working with Daimler Trucks of North America for his senior capstone project. His summer REU experience has helped establish his goals to pursue graduate studies in biomechanical engineering.

Joel George, *Stabile No. 282*

I am a mechanical engineering student at Kettering University. I have been actively involved in organizations in my university. My activities involve membership in TBEI, Pi Tau Sigma, and Society of Plastic Engineers. I have been a resident assistant in our residence hall for the past two years. I work at Magna Cosma for my internship. My future goal is to get a MBA.

Matthew W. George, *Record No. 921*

Matt is studying civil engineering at Brigham Young University. Upon graduation, he intends to pursue a master's in C.E. focusing on water resources and hydrology. Matt has been involved in undergraduate research for over three years and has most recently been investigating the economics and sustainability of reservoir sedimentation. He enjoys spending time with his family as well as playing sports.

Michael J. Gerber, *Record No. 922*

Michael is a chemical engineering major at Washington State University. He is an officer in his school's AIChE chapter, worked on developing a desktop scale biomass pyrolyzer, acted as a teaching assistant, and tutored chemistry. He has interned at an Alliant Energy coal power plant. After graduation, he plans to pursue work in the petrochemical industry, eventually returning to school to complete an MBA.

Tyler I. Gerhardson, *Stabile No. 283*

Tyler is an undergraduate biomedical engineer at Western New England University. Tyler displays high academic excellence while maintaining active participation in community outreach. He has spent significant time exploring his area of study through research within the university and through the start-up company FloDesign Sonics. Upon graduation, he intends to pursue a Ph.D. focused on non-invasive therapeutic instrumentation.

Helen C. Gerlach, *Stabile No. 284*

Helen is a agricultural & biological engineering major with a specialization in biosystems at the University of Florida. A National Merit scholar, her activities include a research project in the biomedical engineering department at UF, ASABE, Alpha Epsilon honor society, and volunteering at local animal rescues. She is interested in agricultural applications, and has completed a research internship with ADM. Upon graduating in 2015, she plans to pursue a graduate degree in engineering.

John P. Gillis, *Stabile No. 285*

John is pursuing a bachelor's degree in mechanical engineering with a concentration in manufacturing at Michigan State University. He completed his third co-op with GE Aviation last summer, and is a member of the MSU Honors College. Upon graduation, John hopes to find a career in either automotive or aviation engineering, and hopes to earn a master's degree while working in the field.

Ryan J. Gillis, *Record No. 923*

Ryan is a chemical engineering student at Brigham Young University where he is active as an undergraduate researcher, peer tutor, and TBPI officer. In addition to his work at the university, Ryan has interned at both Los Alamos and Lawrence Livermore National Laboratories. He is fluent in Korean and enjoys training for marathons. Interested in nanotechnology, he plans to earn his Ph.D. and begin a career in academia.

Jonathan R. Glandorf, *Stabile No. 286*

Jon is a chemical engineering major at the University of Cincinnati. He is the president of the TBPI chapter and the ChemE Car competition team. He has completed five co-op terms with BP in four different locations across the country. After graduation, he plans to pursue a career in the energy field with hopes of attending graduate school part-time to earn his MBA degree.

Tyler A. Glenn, *Record No. 924*

Tyler is studying mechanical engineering at Brigham Young University. He enjoys all phases of product development including concept generation, detailed numerical and mechanical design, and hands-on prototyping. He has developed these skills as captain of the BYU Baja team and through internships at GE and Sustainable Energy Solutions, a local startup. He plans on obtaining a master's degree in M.E., after which he will pursue work in product development & design.

Alexandra G. Glover, *Stabile No. 287*

Alexandra is a materials science and engineering major at Michigan Technological University. She holds executive board positions in Alpha Sigma Mu and Material Advantage. She has interned with the advanced development group of an international manufacturing company and participated in summer research focused on the development of low-cost 3D printing systems. Upon graduation, Alexandra hopes to pursue a career in materials engineering after graduate study.

William J. Gooding, *Record No. 925*

William is a rising senior mechanical engineering and mathematics double major at Washington University. He coaches a high school soccer team, volunteers with Young Life, and has conducted research in Wavelet Analysis as a student. He is hoping to secure a full-time position in aerospace propulsion systems after graduation and, while working, obtain a master's degree in that field.

Brandon T. Graham, *Record No. 926*

Born and raised in Spokane, WA, I am part of the Honors College at Washington State University. I am a member of the BioMedical Engineering Society, Golden Key Honors Society, and TBPI. Currently I am a 4.0 student, have been a Residential Advisor at WSU for the past two years, and helped students get involved with research as a research mentor. I hope to eventually obtain a doctoral degree in cardiovascular engineering.

Colton P. Graham, *Record No. 927*

Colton is studying mechanical engineering at Brigham Young University with an emphasis in biomedical engineering. He is currently on the TBPI project planning committee in his chapter. He has done an internship with RF Micro Devices improving their assembly line efficiency. He will be applying for a research assistant position for the fall researching spinal biomechanics and medical device design. After graduation, he plans to pursue a Ph.D. in prosthetics.

Jake T. Gray, *Record No. 928*

Jake studies chemical engineering and chemistry at Washington State University. He is interested in alternative and renewable energies and waste management. Accordingly, he has worked as a researcher on electrochemical catalysis and solid-oxide fuel cell projects and plans to attend graduate school. He enjoys teaching others and has worked as a physics, chemistry, and mathematics tutor for several years. In his spare time, he likes to learn about world mythology and ancient history.

John S. Grinalds III, *GEICO No. 48*

I am an electrical engineering major at Cedarville University. I have been involved in a variety of campus organizations and activities including the Men's Reserve Soccer Team, chapel worship teams, and the campus Honors organization. I will also serve as president of the Ohio Nu Chapter of TBPI. I am working as an intern in research & development at Procter & Gamble.

Carina E. Hahn, *Record No. 929*

Carina is a materials science and engineering major at the University of Utah, with minors in French and modern dance. She is secretary of her school's SWE section and loves to participate in outreach as a Community Engaged Scholar, to encourage more women to pursue engineering. Carina's research interests are in renewable energy and she has conducted research with photovoltaic and plasmonic devices. Carina plans to get a master's degree in materials science and engineering.

Sarah K. Hansen, *Record No. 930*

Sarah is a biomedical engineering major with a minor in engineering business at the University of Virginia. She has been involved in targeted gene delivery research, focused on cardiac applications. At UVA, Sarah is the Editor-in-Chief of the undergraduate engineering research journal, a member of the SWE and BMES, and a captain of the women's ultimate frisbee team. She plans to pursue a graduate degree and a career in the biotechnology industry.

Andrew M. Harbach, *Stabile No. 288*

I am currently an undergraduate student at the University of Dayton. I am involved in AIChE and am a founding father of the social fraternity on my campus, Pi Kappa Phi. I am studying chemical engineering and will complete my degree in May of 2016. I am currently doing undergraduate research at Wright Patterson Air Force Base in hopes of attending graduate school.

Aura Lee Harper-Smith, *Record No. 931*

Ms. Harper-Smith is finishing up a double degree in civil engineering and Chinese & Japanese studies. She will serve as secretary for her chapter of TBPI and as a leader for Campus Crusade for Christ. She is also involved in research on modeling drainage in retention basins. This past spring, she was awarded the ACI BASF student fellowship for the 2014-15 school year. She has previously studied in Hangzhou, China with an internship at Zhejiang Univ. Architect & Design Research Institute and interned with CTL Group.

Douglas P. Harriman II, *Stabile No. 289*

I am a U.S. Army veteran. Currently, I am a mechanical engineering senior and will be pursuing a master's in mechanical engineering with concentration in controls of dynamic systems upon graduation. My dream jobs would be to work for the Department of the Army or Navy, NASA, Tesla, or Space-X. I am still undecided on whether I will pursue a Ph.D.

Patrick G. Harvey, *Record No. 932*

Patrick is pursuing a dual degree in mechanical engineering and engineering science with a concentration in space at Colorado State University. He also just picked up a minor in mathematics. He has held officer positions in TBPI and AIAA and was elected president of the Colorado Delta chapter of TBPI at CSU for the upcoming school year. After graduation, he plans on pursuing a master's in aerospace engineering focusing on propulsion systems for spacecraft.

Christie Hasbrouck, *Record No. 933*

Christie is majoring in mechanical engineering and minoring in metallurgical engineering at Trine University. She is the current president of the IN Epsilon chapter of TBPI. This summer, she studied spark plasma sintering of ceramics at Lehigh University. This spring she will complete her co-op at Regal-Beloit in Fort Wayne, IN. Upon graduation, she plans to attend graduate school for materials science and engineering.

Hayden M. Hast, *Record No. 934*

Hayden is an electrical engineering major at Valparaiso University where he is also a NCAA Div. 1 Football student-athlete. In addition to serving as the TBPI and Mortar Board chapter Presidents, Hayden is also involved in research projects pertaining to Quantum Cellular Automata and in extracurricular student-athlete academic activities. After completing internships with Texas Instruments and Caterpillar, he plans to pursue graduate studies before beginning a career in industry.

John O. Haugland, *Record No. 935*

I am majoring in civil engineering with minors in mathematics and ethics at Marquette University. On campus, I am a coordinator with a student service organization as well as a research assistant in a water quality lab. I have been a research intern with the U.S. EPA in hazardous waste treatment and soil science, with the Univ. of Virginia in water treatment in South Africa, and the Univ. at Buffalo in groundwater. I plan to pursue a master's degree and Ph.D. in environmental engineering.

Spencer R. Helmick, *Stabile No. 290*

Spencer is an electrical engineering major at Cedarville University. He has participated in the ASEE robotics and the SAE Aero Design competitions. Spencer has been recognized with the Alumni Association Award for the engineering department. He is currently working at a rapid prototyping center designed to assist in the support of military, academic, and private design groups. He plans to complete his degree and move into research and design while continuing in a master's program.

Wyatt J. Hepler, *GEICO No. 49*

Wyatt is a senior at Brigham Young University studying computer engineering. He works as a research assistant in BYU's FPGA lab and volunteers as a math and computer science tutor. Outside of school, he enjoys music, running, and exploring the outdoors. Following his graduation in April 2015, he plans to attend graduate school. After completing school, Wyatt wants to have a career in industry as a computer engineer.

Marc A. Higginson-Rollins, *Record No. 936*

Marc is majoring in electrical engineering with a minor in mathematics at the University of Kentucky. He has participated in a summer research program at the MIT Haystack Observatory and is currently completing a co-op with the NASA Jet Propulsion Laboratory. His interests include remote sensing, signal processing, and electromagnetics. Upon graduation, Marc plans to pursue a doctorate in electrical engineering.

Jordan C. Hill, *Record No. 937*

Jordan is an electrical engineering major at Brigham Young University. He loves the outdoors and is an Eagle Scout. He has been doing research in microwave Earth remote sensing, tracking icebergs, and mapping the ice edge of Antarctica. He plans on pursuing a master's in electrical engineering and later an MBA. His career goals involve signal processing, likely in wireless communication or radar.

Samuel H. Honch, *Forge No. 25*

Sam is working to earn his bachelor's degree in mechanical engineering at the University of San Diego. He serves as president for the local chapters of TBI and the American Society of Mechanical Engineers and holds several positions for Sigma Phi Epsilon. His interests include woodworking, basketball, and the outdoors. After graduation, Sam plans on continuing his higher education and pursuing a master's degree in business administration.

McKenzie M. Horner, *Record No. 938*

McKenzie is double majoring in electrical and computer engineering at Gonzaga University with minors in physics and mathematics. She is involved in rugby, drumline, and martial arts and has started a Students with Diabetes chapter at Gonzaga. McKenzie intends to pursue a career in diabetes technology and hopes to have the opportunity to work on the bionic pancreas project. She also plans on earning her master's in biomedical engineering.

Blake E. Howell, *Forge No. 26*

Blake is an electrical and computer engineering major at the University of Memphis. He is TBI chapter president as well as a Herff College of Engineering ambassador. He has participated in data mining and machine learning related research to detect internet fraud. His non-academic interests include a multitude of sports, outdoor activities, weightlifting, and traveling. Upon graduation he plans to pursue a master's degree in quantitative finance or financial engineering.

Ziyin Huang, *Stabile No. 291*

Ziyin is a materials science and engineering major in the B.S/M.S. accelerated degree program with a minor in electrical engineering and a certificate in writing and publishing at Drexel University, where he is the Vice President of TBI and the President of Material Advantage. Besides the engineering programs and activities, Ziyin is also actively involved in STEM outreach programs. Ziyin is looking to pursue a Ph.D. degree after graduation.

Alexis R. Humann, *Schwaller No. 4*

Alexis is studying mechanical engineering at the Colorado School of Mines with an emphasis in space and planetary sciences and engineering. In addition to being involved in many campus organizations, she works as a university tutor and a research assistant for the mechanical engineering department. Most recently, she completed an undergraduate research experience at Arecibo Observatory in Puerto Rico. Alexis plans to work in the aerospace industry upon graduation.

Dylan Hutchison, *Stabile No. 292*

Dylan studies at Stevens Institute of Technology toward a B.E. in computer engineering, a M.S. in computer science, and a M.S. in applied mathematics. Through independent research and internships at Microsoft Research and two national laboratories, Dylan pursues an interdisciplinary curriculum applying probability, causal inference, and big data analytics to complex systems. He aims to continue his work in a research career, starting with graduate school in 2015.

Abigail W. Huyler, *Record No. 939*

Abigail is studying mechanical engineering at the University of Wyoming. She interned at Encana Corporation, and previously received a NASA Space Grant to research carbon/epoxy composites. She is also the Kenya program manager for Engineers Without Borders, an engineering student ambassador, and a competitive climber. Abby is interested in materials science, and she is excited to further her career and education in this field after graduation.

Emily P. Iskin, *Forge No. 27*

Emily is studying biological systems engineering at the University of California, Davis. Emily served as outreach coordinator and Vice President of the Environmental Club at UCD. This summer, she is participating in the University of Rhode Island Graduate School of Oceanography's SURFO REU program and is learning about physical oceanography. She plans to pursue the interdisciplinary field of water resources and fluid dynamics in graduate school.

Bryce A. Johnson, *Record No. 940*

Bryce is working towards a major in electrical engineering and a minor in mathematics at Washington State University. In his spare time, he volunteers as a ski patroller for Silver Mountain Resort and a firefighter/EMT for Whitman County 12 Fire and EMS. Bryce hopes to combine his electrical engineering degree with his interest in medicine by developing new equipment to better the healthcare industry.

Frank A. Johnson, *Record No. 941*

Frank is a civil engineering student at Brigham Young University. He currently is interning as a drafter at a local engineering start-up company. His goal after his undergraduate studies is to work for a large construction company as a project manager. He hopes to quickly return to his studies and acquire an MBA and Ph.D. in education. His goals are always centered on providing for his family and bettering the community in which he lives.

Ophelia L. Johnson, *Record No. 942*

Ophelia is pursuing a bachelor's and 5th year master's degree in biomedical engineering at the University of Alabama at Birmingham. She is active on campus as TBI president, NSBE vice president, a tutor, and in multiple community service activities. Ophelia is a recent Goldwater Scholar and UNCF/Merck Undergraduate Research Fellow. After graduation, she plans to begin her professional career performing industrial research in drug delivery systems.

Rebecca D. Johnson, *Record No. 943*

Rebecca is majoring in chemical engineering at Montana State University. On campus, she has been involved with SWE, AICHE, TBI, and Japan Club. She is the president of her TBI chapter and a peer advisor in the ChBE department. After receiving her bachelor's degree, she hopes to spend a year in Japan helping teach English to children before returning to the U.S. to work for Summit Engineering and Design with their 3D laser scanning technology.

Lucas A. Johnston, *Record No. 944*

Lucas is double majoring in mechanical engineering and biomedical engineering at Duke University. At school, he is involved in orthopedic biomechanics research including analysis of ACL reconstruction techniques, the Duke Motorsports club, and has served as the vice president of member development of his fraternity, Sigma Phi Epsilon. This summer, he worked as a mechanical design intern at GE Healthcare. He plans on pursuing the engineering industry and a master's degree.

Bahaar Kalra, *Record No. 945*

Bahaar is studying civil and environmental engineering with an emphasis in structures at Brigham Young University. She has interned as a drafter for a structural engineer in India, served as a city planning intern for the City Engineer in Saratoga Springs (UT), and is now working as a structural design intern for Robert Silman Associates in New York. She hopes to continue on this path as a structural engineer in the future.

Marissa N. Karpack, *Record No. 946*

Marissa is pursuing a degree in civil and environmental engineering at the University of Washington. She is an active member of the UW Concrete Canoe team and participates in research at the UW Applied Physics Lab. She is an incoming TBP officer and a member of ASCE and Chi Epsilon. After graduation, Marissa hopes to be able to use her knowledge of civil engineering in developing nations.

Jonathan G. Kearney, *Stabile No. 293*

I am a senior studying electrical engineering at Cedarville University in southwest Ohio. I have been involved on multiple design teams while studying at Cedarville, including the Supermileage team and the SAE Formula team. Additionally, I have studied foreign language and am very interested in being involved in missions. I look forward to finishing my studies and beginning a career either in controls or in missions.

Emilio A. Kenny, *Campbell No. 30*

Emilio is majoring in mechanical engineering at Florida State University. He was recently named vice president of the FL Eta chapter of TBP. This summer, he was working at Eli Lilly and Company. This was a new experience, after spending last summer working at Florida Power and Light. Upon graduation, he plans to pursue a master's in thermodynamics before obtaining a career relating to work in either solar energy or the pharmaceutical industry.

Dong Yeob Kim, *Mitchell No. 5*

DK is an industrial engineer at Texas Tech University with minors in mechanical engineering and mathematics, where he ranks first in his class. He is an active member and an officer of the Institute of Industrial Engineers. DK is interning with Disneyland as part of the workforce management team and is a certified EIT. He hopes to become a licensed P.E. and a consultant in the future.

Allison M. Kindig, *Record No. 947*

Allison is majoring in industrial engineering at the University of Iowa. She is helping develop solar power technology for rural communities in India and Cameroon. Her internships with DuPont and Cook Medical have encouraged her to pursue an interdisciplinary career in engineering and public policy to achieve sustainability through renewable energy systems. Allison is a TBP chapter officer, engineering student ambassador, resident assistant, and Trihawk Triathlon Club co-captain.

Whitney King, *Record No. 948*

I am a senior in chemical engineering at Brigham Young University. I am currently interning at Actavis, Inc. and will begin an internship with ExxonMobil this fall. The energy industry, as well as the medical industry, are very interesting to me. I am very excited about the opportunities ahead. I hope to find a meaningful career that will challenge me to improve everyday.

David M. Klawitter, *Record No. 949*

David is majoring in civil engineering at the University of Illinois at Chicago (UIC). He holds officer positions in TBP and EcoCampus, UIC's environmental organization. His focus has been in water resources, leading to his work on green infrastructure at UIC. Over the summers, he has worked for the IL EPA and an engineering firm, both with environmental focuses. After graduation, David will either attend graduate school or seek employment in hydraulic engineering.

Timothy W. Knowles, *Stabile No. 294*

I am majoring in mechanical and aerospace engineering at the University of Florida. I served as a teaching assistant in mechanics of materials and currently contribute to research related to pipe chilldown characterization in the UF Cryogenic Thermal Fluid Lab. I am passionate about sailing and aspire to start a successful business in the marine design field. Upon graduation, I plan to pursue a master's degree in naval architecture and marine engineering.

Kevin R. Kofford, *Record No. 950*

Kevin is currently pursuing a degree in civil and environmental engineering at Brigham Young University. He is interning with Kimley-Horn and Associates working on commercial land development. He is interested in water resources and worked the past semester for Aquaveo, a software engineering firm that creates interfaces for several hydraulic models. He plans on obtaining a master's with an emphasis on water resources and pursuing his MBA further in his career.

Alexander J. Kordas, *Record No. 951*

Alex is majoring in computer engineering at the University of Illinois at Urbana-Champaign with a focus on computer networks and software systems. In addition, he is pursuing a minor in business. He served as treasurer for his chapter of TBP and also serves as the president of the university's Honors Student Council. After graduating, he intends to pursue a master's degree in computer science with a focus on software systems and computer networks.

Matthew R. Kowalski, *Record No. 952*

Matthew is studying chemical engineering at the University of Notre Dame. He is an officer of the TBP Chapter, as well as the AIChE Chapter, where he started a team to compete in the annual ChemE Car Competition. Matthew also researches multifunctional nanoparticles for selective drug delivery in Professor Basar Bilgicer's group. Upon graduation, Matthew hopes to pursue a career in either the field of biotechnology or sustainable energy.

Takami R. Kowalski, *Record No. 953*

Takami is majoring in mechanical engineering at Brigham Young University, with a minor in Japanese. He does research on coronary stents, and spent the summer of 2014 in Japan as a product development intern at Mabuchi Motor. He plans to pursue further education in either biomedical engineering or business administration. He hopes to be able to integrate his technical understanding with his interest in working internationally.

Isaac K. Kreft, *Stabile No. 295*

Isaac is majoring in mechanical engineering at the University of Portland where he is the president of his university's mechanical engineering club. Isaac is an Eagle Scout and a member of the UP honors program. He has interned at a thermodynamics lab in Germany, a biomechanics lab, and most recently in a technology development group at Intel. After graduation, he plans to attend graduate school to pursue a master's degree in mechanical engineering.

John H. Krienen, *Forge No. 28*

Jack is an honors student majoring in mechanical engineering with a mathematics minor at Washington State University. He is also actively involved with Chi Alpha Christian Fellowship, an on campus ministry. For the past two summers, he has interned with a company that produces tooling and parts for the aerospace, marine, military, and energy industries. He will pursue a career in the mechanical engineering field and hopes to specialize in the aeronautical industry.

Rachel M. Krohn, *Stabile No. 296*

Rachel is a double major at the South Dakota School of Mines and Technology, studying computer science and mechanical engineering, and is top of her class with a 4.0 GPA. She is a member of the school's ACM Programming Team and works as an undergraduate teaching assistant. After graduation, she will pursue a master's degree in computational sciences and robotics, and eventually hopes to teach at the college level.

Rachel L. Kuprenas, *Stabile No. 297*

Rachel is a civil engineering major at the University of South Carolina. She has done research in high energy physics, hydrology, and structures. After graduation, she intends to get her master's degree in structural engineering. Rachel is a third generation TBP member and is looking forward to continuing the tradition of using engineering to make the world a better place.

Cassidy A. Laird, *Stabile No. 298*

Cassidy is a biosystems engineering major at Clemson University, where she ranks first in her class. She is involved on campus as section leader in the Clemson University Marching Band, an undergraduate teaching assistant, and does service work through the Biosystems Engineering Club and Rotaract. She enjoys traveling and just completed a semester studying engineering in Spain. In the future, she plans to earn her master's in biosystems and to work developing sustainable energy solutions.

Anne G. Lally, *Stabile No. 299*

I am majoring in industrial engineering and minoring in mathematics and business administration at Northeastern University. I am currently interning at Walt Disney World working on efficiency improvements for parks and attractions. I am captain of the Women's Club Lacrosse team and a teaching assistant for freshmen engineering students. I plan to pursue a master's degree in industrial engineering and gain further professional experience in the entertainment industry.

Rebecca M. LaPorte, *Record No. 954*

Rebecca is pursuing a bachelor's degree in civil engineering at Louisiana State University. She is a founding board member of the Louisiana Engineering Society student chapter at LSU as well as a member of ASCE. Since May 2013, she has been working as a student engineer at Forte and Tablada, Inc. performing civil site work and drainage design. Upon graduation, she plans a career in water resources or transportation engineering.

Kevin H. Leung, *Forge No. 29*

Kevin is a biomedical engineering major at University of California, Davis. He is a part of a research group that is working on a project to develop multimodal nanoparticle imaging probes to identify vulnerable atherosclerotic plaques. Upon graduation, he plans to pursue a Ph.D. in tissue engineering and regenerative medicine in hopes of further developing medical technology. He also enjoys practicing martial arts and listening to music in his spare time.

Matthew S. Leung, *Record No. 955*

Matt is majoring in chemical engineering and completing a managerial analytics certificate through the Kellogg School of Management at Northwestern University. A current Murphy Scholar, he has held officer positions in AIChE and student hall government. Matt enjoys playing the piano, road trips, and breathing the air of new places. Upon graduation, he intends to work with improving medical devices and sustainability in third world countries, and later on obtaining an MBA.

Benjamin L. Levy-Wendt, *Record No. 956*

Ben is a rising senior at Seattle University, where he is majoring in mechanical engineering as well as mathematics. At Seattle University, Ben is involved with research in CFRP composites and he also works as a tutor at a local elementary school. This summer, Ben has been researching the control of autonomous quadcopters. After graduating, Ben plans on pursuing a Ph.D. for a career in the field of renewable energy.

Nicholas R. Lewis, *Record No. 957*

Nicholas is studying chemical engineering at Brigham Young University and plans to pursue a Ph.D. in nuclear engineering. He works as a research assistant in computational methods and interned at Knolls Atomic Power Lab. He has served as an officer in the AIChE student chapter since freshman year. He is fluent in Russian from serving an LDS mission to Kyiv, Ukraine, and enjoys playing the bagpipes and violin.

Kevin J. Liang, *Record No. 958*

Kevin is double majoring in biomedical engineering and electrical & computer engineering at Duke University, with a primary interest in signal processing. He is president of the undergraduate engineering peer advising team and does research in a brain-computer interface lab. He is currently a software development engineer intern at Microsoft and hopes to eventually work in the healthcare industry.

David B. Lindell, *Record No. 959*

David is majoring in electrical engineering at Brigham Young University, where he serves as the TBI corresponding secretary. He has been involved in research related to semiconductor fabrication, circuit design, and radar signal and image processing. He currently works as an undergraduate research assistant in the Microwave Earth Remote Sensing lab. After graduation, David plans on pursuing a Ph.D. in electrical engineering.

Joseph T. Livecchi, *Stabile No. 300*

Joseph is dual majoring in electrical engineering and computer science engineering at the University of Toledo, ranking second in his class. He is currently working at the university in the educational game/virtual reality department. Current organizational involvements include Boy Scouts (Eagle Scout 2007), youth group assistant, volunteer at St. Ignatius Catholic Church, and TBI Recording Secretary. Joe is also minoring in entrepreneurship and is working on starting his own technology company.

Alan E. Long, *Curtis No. 7*

Alan is majoring in chemical engineering and minoring in business management at Case Western Reserve University. At Case, he is involved in undergraduate research and is the current president of the AIChE and served as vice president of Mortar Board. The past two summers, he interned with Procter & Gamble Paper Products, gaining valuable manufacturing experience. After graduating, he will pursue either a graduate degree or a professional position in chemical engineering.

Minh D. Lu, *Record No. 960*

Minh is studying mechanical engineering at the University of South Alabama and will graduate May 2016. He ranks first in his class with a 4.0 GPA. He has been a co-op with Southern Company Services doing performance testing on their power plants, since 2013. After graduating, he will either pursue a career in industry or continue his education with a graduate degree in biomedical engineering.

Caitlin A. Mackey, *Bose No. 8*

Caitlin is a rising senior at MIT from San Diego, CA. She is majoring in mechanical engineering and minoring in political science. She has completed two summer internships at SpaceX and conducted biomedical research on manufactured liver scaffolds in the Linda Griffith Laboratory. On campus, she is the president of Alpha Chi Omega sorority and a captain and starter on the MIT Varsity Field Hockey Team.

Ryan R. Mahutga, *Record No. 961*

Ryan is a senior at South Dakota State University. He is currently pursuing a B.S. in mechanical engineering with minors in sustainable energy systems, business, and mathematics. Ryan is involved in SAE, ASME, TBI, and many other activities within the college of engineering. After graduating, he intends to pursue a master's degree in mechanical engineering. Long term, he intends to launch a career somewhere in the field of energy sustainability.

Patrick A. Mannon, *Record No. 962*

Patrick is studying systems science and engineering at Washington University. He holds officer positions in both TBI and SIAM and also serves as an RA for a freshman residential community. During the summer of 2014, Patrick worked at MIT Lincoln Laboratory, conducting research in semi-autonomous decision support. After completing his undergraduate degree, he will continue his education by pursuing graduate studies in operations research and data analytics.

Anne K. Mayer, *Campbell No. 31*

Anne is a senior majoring in mechanical engineering at the University of North Dakota. She is currently in her second internship with 3M in Saint Paul, MN. Anne has served as president and e-council representative at UND's SWE chapter and has enjoyed helping the organization grow. She is also participating in a STEM leadership program through the UND engineering department. She plans to pursue a career in product design after graduation.

Clara H. McCreery, *Record No. 963*

Clara is a chemical engineering major at Stanford University, where she also studies violin performance. She hopes to work in the pharmaceutical and food science industries, after she completes her undergraduate studies. In her free time, Clara plays the steel pan in a Stanford ensemble called Cardinal Calypso, teaches chemistry, and trains with the Stanford Triathlon team. She spent the summer of 2014 working at Bayer Pharmaceuticals in Berlin, Germany.

Ian S. McInerney, *Record No. 964*

Ian is pursuing an electrical engineering major and Philosophy minor at Iowa State University. He is an Eagle Scout, has served as the chief engineer for KURE FM, and is the treasurer for Iowa State's chapter of Eta Kappa Nu. He has completed an internship with the Army Corps of Engineers and two internships with Caterpillar, Inc. After graduation, Ian plans on pursuing a master's in electrical engineering before a career designing embedded systems.

Samantha A. McPeak, *Forge No. 30*

Samantha is studying electrical engineering at the University of Alabama, with minors in Russian and general business. She has completed a four-semester co-op at ADTRAN, Inc. and has been researching ferroelectric solar cells since her freshman year. This summer, Samantha is researching organic solar cells at the Univ. of Konstanz in Germany, after receiving a German Academic Exchange Service scholarship. Upon graduation, she plans to pursue a Ph.D. focusing on photovoltaics.

Alyson M. McPhetres, *Mentor No. 11*
Alyson is majoring in geological engineering and Spanish at the University of Alaska Fairbanks (UAF). She is a member of both the cross-country running and Nordic ski teams at UAF. She is interested in both mineral exploration and geohazard analysis and mitigation. Upon graduation, she plans on working as a geological engineer and pursuing a graduate degree in geological engineering.

Tesla P. Medina Berrios, *Mitchell No. 6*
Tesla is a civil engineering major at the University of New Orleans (UNO). She is the secretary of the Society of Women Engineers at UNO. She has been a resident assistant for two years at Pontchartrain Hall. She is also currently interning at EDG Consulting Engineers in the structural marine terminal division. Upon graduation, she hopes to pursue a graduate degree in structural engineering and be part of the workforce.

Stephanie L. Messina, *Record No. 965*
Stephanie is majoring in biomedical engineering with a minor in mathematics and studio arts at Tulane University. She spent the last year as TBII secretary and enjoys volunteering with the Arts In Medicine program through Tulane University Hospital. She plans to receive her master's degree in her fifth year. She is currently researching in a stem cell mechanobiology laboratory, where she looks at the effects on oscillatory flow on embryonic stem cell differentiation.

Laura K. Metrulas, *Forge No. 31*
Laura is studying biosystems engineering at the University of California, Davis. She was recently elected CA Lambda TBII Chapter President for the 2014-15 school year. Upon completion of her undergraduate career, she plans on continuing her education with a master's degree in viticulture and enology. Ultimately, she intends on having a career in the grape and wine industry that incorporates her two passions, plants and engineering.

Matthew J. Meyers, *Record No. 966*
Matthew is studying applied math with an emphasis in electrical engineering at Brigham Young University. He speaks fluent French having served a two-year mission with the LDS church in France. He is the captain of six intramural sports teams, three of which won the championship this year. For graduate studies, he plans to get an MBA and also a masters in electrical engineering.

Stephen T. Milton, *Record No. 967*
I am a fifth year senior in chemical engineering at Auburn University. I am the treasurer for AIChE and the president of Omega Chi Epsilon. I have interned at IntraMicon, Inc., where I helped develop desulfurization projects for small scale operations. I am also part of a research team on campus developing a biomimetic device for liver detoxification. I hope to apply my skills in a career in energy production or petrochemicals.

Samuel E. Moffat, *Record No. 968*
Sam is studying chemical engineering at Brigham Young University. He recently finished a technical internship in the energy industry and looks forward to returning to his research post in the AIChE-sponsored DIPPR Lab. He has also served as an officer for local TBII, AIChE, and Global Engineering Outreach chapters. This summer, Sam also participated in a study abroad to Oxford through the BYU business school.

Julietta Moradei, *Stabile No. 301*
Julietta is a civil engineering major at Northeastern University, with a focus in structural engineering and architectural design. She co-oped at Simpson Gumpertz & Heger, and The Walt Disney World Co., where she gained structural design and project management experience. She is a research assistant for the civil engineering department chair and an engineering tutor. She is actively involved in EWB, SWE, TBII, and Chi Epsilon. She wishes to pursue an architectural engineering master's.

Koji Muto, *Stabile No. 302*
Koji is a double major in mechanical engineering and business at the University of Rochester, where he is ranked first in his class for both majors. He is the TBII Chapter President and co-founder of the Japanese Students' Association, which won the Outstanding Student Organization Award. Koji is interested in fluid technologies as they relate to energy generation, and plans on entering work in this field after graduating.

Brendan F. Nagle, *Stabile No. 303*
Brendan is studying electrical engineering at Dartmouth College. He was recently elected president of his TBII chapter. In the past, he has served as an executive member of Zeta Psi fraternity, has played on the club Ultimate Frisbee team, and has enjoyed backpacking trips with the Dartmouth Outing Club. He completed a thesis on the growth of Germanium nanowires, and hopes to pursue nanodevices as a career.

Daniel A. Needs, *Record No. 969*
Daniel is majoring in biomedical engineering at North Carolina State University with a concentration in biomaterials. He enjoys running and reading when he is not working at the research lab, where he has been part of three projects related to developmental biology. After completing his undergraduate degree, Daniel is looking to pursue a Ph.D. in biomedical engineering and work on applying an engineering approach to cell mechanics and immune response.

Mai T.K. Ngo, *Record No. 970*
Mai is a chemical engineering student at Virginia Tech. She is currently researching polymer foaming under supercritical conditions. In the past, she has worked on synthesizing transition-metal complexes for biological activity against MRSA. She is the historian and initiation chair for TBII, and the president of Omega Chi Epsilon. After graduation, she is interested in pursuing a Ph.D. in chemical engineering with emphasis in either polymer science or biomedical applications.

Liam P. Nolan, *Record No. 971*
Liam is majoring in biomedical engineering at Tulane University. Currently, he is researching in a lab that investigates the pulmonary system in order to help the development of improved therapies for pulmonary disease. Upon graduation, he will pursue a master's degree and ultimately seek a career in the medical device industry.

Jelena Notaros, *Record No. 972*
Jelena is an electrical engineering major and undergraduate research assistant at the University of Colorado Boulder. Her research interests include computational electromagnetics and photonics. Jelena has published five conference papers and one journal paper. She was the recipient of the 2014 IEEE Region 5 Student Paper Competition Award and the 2014 Sigma Xi Undergraduate Research Award. After graduation, Jelena hopes to attend graduate school.

Kendal L. Novak, *Stabile No. 304*
Kendal is a mechanical engineering major at Oakland University minoring in mathematics. She holds officer positions in the Society of Women Engineers, TBII, and the Oakland University's fencing team as the saber captain. She is an alto saxophone player in the Golden Grizzlies Athletic Band and works as an academic peer mentor for university housing. Kendal is interning at Chrysler for a second summer and will pursue a master's degree in mechanical engineering.

Jared T. Oakley, *Alford No. 9*
Jared is majoring in mechanical engineering at Mississippi State University. He is an officer in his TBII Chapter, a member of the Eco-Car Team, and a resident advisor to incoming freshmen. This summer, he is interning with Milwaukee Electric Tool. Upon graduation, he plans to obtain a master's degree in mechanical engineering with an emphasis on additive manufacturing.

Nathan M. Opalinski, *Althouse No. 6*
Nathan is an electrical engineering major at Bucknell University, with a minor in mathematics. He has interned with the nuclear division of Exelon Corporation as a systems engineer at the Limerick Generating Station. A former Eagle Scout, Nathan currently serves as community service chair of Delta Upsilon fraternity. He also participates in pep band and club tennis. After graduation, Nathan intends to start a career in the nuclear power industry.

Max H. Orenstein, *Record No. 973*
Max attends Duke University where he is studying structural engineering. He applied for this scholarship to fund his passion for ceramics. He is an engineer at heart, who loves to conceptualize, design, and construct. During his 2014 summer, he developed work tools for Caterpillar's small wheel loader. He hopes to continue his career as an engineer, and find his niche prior to attending graduate school.

Crystal E. Owens, Record No. 974

Crystal studies mechanical engineering and math at Duke University. She actively volunteers with multiple organizations, including the local homeless shelter and campus club Tadpole, which modifies toys for use by hand-capped children. Her research experience includes an internship with DuPont Pioneer and current work at Duke as a Pratt Engineering undergraduate fellow studying particle manipulation using acoustics. She plans to work towards a Ph.D. in materials science.

Nikunj R. Patel, Record No. 975

Nikunj is majoring in mechanical engineering and minoring in mathematics at the University of South Alabama. He holds officer positions in TBPI (Secretary), ASME (Vice President), and Pi Tau Sigma (Secretary). He loves researching about developing new manufacturing methods for composite materials and enjoys playing cricket, volleyball, and traveling. He is planning to obtain a master's degree or an MBA.

Shane C. Pederson, Record No. 976

I am a senior mechanical engineering student attending South Dakota State University with minors in mathematics and renewable energy systems. I have completed two internships with 3M, one as a project engineer in a manufacturing setting and the second in a research and development role at the corporate facility. I am involved in several honor societies and clubs on campus, including TBPI, Pi Tau Sigma, Phi Kappa Phi, and ASME.

Mobuayo O. Pedro-Egbe, Record No. 977

Mobuayo is studying mechanical engineering with a minor in mathematics at the University of Louisiana at Lafayette (ULL). He was recently named president of the ULL chapter of Pi Tau Sigma and he is also one of the engineering ambassadors for the ULL College of engineering. He spends his free time reading novels, playing the piano, and volunteering to help out the community. He plans on pursuing a master's in mechanical engineering.

Kieran A. Peleaux, Record No. 978

Kieran studies electrical engineering at the University of Pittsburgh. In addition to being an active member of TBPI, he has served on his campus radio station's board of directors for two years and worked as an undergraduate teaching assistant. Previously a co-op for Mine Safety Appliances, Kieran currently works as an intern for Powercast. He plans to further his education in electrical engineering at the graduate level.

Dallas C. Perkins, Stable No. 305

Dallas is an electrical engineering major with a minor in physics at Florida State University. He is active in the student IEEE chapter, the Eta Kappa Nu honor society, and is top of his class with a 4.0 GPA. After the completion of his undergraduate degree in the spring of 2015, he intends to pursue a master's degree in the field of power and energy while researching renewable energy alternatives.

Joseph C. Petersen, Record No. 979

Joseph is majoring in mechanical engineering at Brigham Young University. He is a leader in the university's marching band and also performs on the trumpet with the school's jazz bands and orchestras. He has volunteered as a mentor to students learning Spanish and traveled to Guatemala twice on humanitarian missions. Joseph also participates in the BYU Honors program and plans on graduate studies after receiving his degree.

Brian D. Peterson, Stable No. 306

Brian is studying bioengineering at Clemson University. He enjoys being involved on campus, as president of the TBPI SC Alpha chapter, and as president of the water polo club. Brian is passionate about writing music and jamming on the piano. He spent 30 days in Tanzania repairing medical equipment this summer. He plans to attend medical school after graduation and work towards becoming a neurosurgeon.

Rachel L. Philiph, Record No. 980

Rachel is a materials engineering major at Iowa State University with a minor in bioengineering. She is very involved in the University Honors Program and has a passion for research. She has been involved in biomaterials research at ISU since her freshman year, and conducted research in nanofabrication at MIT for a summer. After earning a Ph.D. in materials science, her dream is to work on the improvement of medical diagnostic devices.

Jacqueline C. Plyler, Stable No. 307

Jacqueline is majoring in biomedical engineering at the University of South Carolina Honors College, with biology and chemistry minors. Her research includes cancer pharmaceuticals, hemodialysis materials, and developing microfluidic devices for single-cell metastatic cancer gene expression studies. She is the Gamecock Pre-Vet Association and ODK's Chi Circle president, TBPI chapter secretary, and a veterinary technician. Jacqueline plans to attend veterinary school to advance animal medical technology.

Stephen T. Powell, Stable No. 308

Stephen is a mechanical engineering major and a member of the honors college at Oakland University. He has gained experience at General Motors working alongside industrial engineers and at United States Steel performing material tests. Currently, he is conducting research on heat transfer rates within internal combustion engines funded by the National Science Foundation. Stephen plans to attend graduate school to further his study of thermodynamics and alternative energy.

Tyler D. Przybylski, Record No. 981

Tyler is majoring in electrical engineering at the University of North Dakota (UND). He is Vice President of Eta Kappa Nu and a member of IEEE. For the past two summers, Tyler has interned at United Launch Alliance working in Avionics. He is also a research assistant and teaching assistant at UND. After graduation, he plans to pursue a master's in electrical engineering.

Sathvika D. Ramaji, Stable No. 309

Sathvika is studying environmental engineering at the University of Miami. She served as President of the FL Beta Chapter of TBPI and holds officer positions in Chi Epsilon and ASCE. Her research includes an autonomous water reuse apartment and high microbe levels around Florida beaches. Her internship covers environmental inspection and design. Sathvika hopes to pursue a master's in civil engineering and then employment within the field of civil and environmental engineering.

Bryan A. Ricksecker, Record No. 982

Bryan is majoring in chemical engineering at the University of South Alabama. He is an official student ambassador for the university, a member of AIChE, Mortar Board, and the president of the AL Epsilon Chapter of TBPI. Bryan conducts quaternary ammonium salt research and recently interned with Phillips 66. Upon graduating, Bryan plans on entering the petroleum refining industry, with hopes of teaching high school chemistry later in his life.

Paige N. Riley, Stable No. 310

Paige studies computer science at the University of Oklahoma, with a minor in mathematics. She is the TBPI chapter president and is active in her university's band program, where she plays trumpet and was an officer in the related organization. Paige is performing research with the evolution of nurturing in robotics in addition to working with IT security at her summer internship. Upon graduation, Paige hopes to earn her master's degree in computer science.

Julian Ringhof, Stable No. 311

Julian is a mechanical engineering major at the University of San Diego with a 3.95 GPA. Originally from Freiburg, Germany, he came to the U.S. in 2010. While being one of the best students in his class, he also led the USD soccer team to the 2012 Elite Eight in the Division I National Championship with recognition to the All-Regional team. Since 2013, Julian is USD men's soccer team captain. Upon graduation, he will pursue a career in renewable energy and energy efficiency.

Brandi M. Ritenour, Record No. 983

Brandi is studying mechanical engineering at Pennsylvania State University. She has completed an internship with ArcelorMittal, gaining valuable experience and knowledge in the steel industry. Previously, Brandi has done research in jet engine combustion, stress analysis, and green roof design. She has also mentored several engineering programs for women. After graduation, Brandi plans to pursue a career where she will be able to use her education for the benefit of others.

Brandon M. Rittelmeyer, Record No. 984

Brandon is studying mechanical engineering at the University of South Alabama, where he is first in his class. He is researching vascular fluid mechanics and writing his senior thesis on this work. He has spent time with Airbus as an intern, an experience for which he is grateful. After graduation, he plans to begin a career in industry and hopes to earn a master's degree down the road.

Eduardo Robison Rivera, *Record No. 985*

Eduardo is pursuing a B.S. in industrial and systems engineering at Auburn University. He is co-leader of Auburn's first improvisation troupe and an active IIE member. Eduardo has completed two professional internships with Disney's industrial engineering department and one college program. He looks forward to conducting undergraduate research in the fall and continuing to perform in improvisational skits. After gaining industry experience, he hopes to further his education in graduate school.

Patrick T. Rogers, *Stabile No. 312*

Patrick is studying mechanical engineering in the Honors College at the University of South Carolina. He is currently researching alternative power generation for automobiles and plans to pursue a career in the automotive industry. In addition, he will serve as treasurer of the TBI South Carolina Beta Chapter in his senior year. Patrick spends his free time competing as a Carolina Shag dancer.

Jacob W. Roske, *Record No. 986*

Jacob is a civil engineering major at Montana State University, where he has maintained a 4.0 GPA. He is an active member of his church, through which he has been able to provide countless hours of service to the community. Jacob is currently interning with a successful Montanan civil engineering firm. After graduation, he hopes to secure employment with a civil engineering firm while also continuing his education with a master's degree.

Fletcher D. Rydalch, *Record No. 987*

Fletcher is studying mechanical engineering at the United States Naval Academy. His extracurricular activities include: TBI MD G Vice President, 9th Company's 1st Sergeant, and 9th Company Squad Leader. Next year, as a Trident Research Scholar, he will be characterizing background neutron and gamma radiation. Following his graduate studies in business administration and nuclear engineering, he has been selected to serve as a submarine officer for the U.S. Navy.

Brandon T. Sander, *Record No. 988*

Brandon is a mechanical engineering and materials science engineering double major at the University of Kentucky. He is the president of the Formula SAE team and an active member of TBI. He is currently working through his second co-op rotation with GE Aviation in Cincinnati, with hopes of participating in the Edison Engineering Development Program after graduation. Brandon enjoys photography, traveling, backpacking, and mechanical repair work.

Corey D. Schaal, *Record No. 989*

Corey is studying geological engineering at the University of Mississippi. He is an active member of Beta Upsilon Chi, Brothers Under Christ Fraternity. During the summers of 2013 and 2014, He interned at Geotechnology, Inc. in Memphis, TN and hopes to continue working with this company after graduation or enroll in the University of Tennessee's geotechnical engineering graduate program.

Zachary M. Scheuffele, *Stabile No. 313*

Zach is pursuing a degree in mechanical engineering from the South Dakota School of Mines & Technology, where he is the vice chair of ASME, TBI treasurer, and a tutor. He has interned with the U.S. Army Corps of Engineers and is currently interning with Cega Innovations, LLC, a start-up company. He is open to any opportunity that may present itself after graduation in May.

Johanna H. Schleinitz, *Record No. 990*

Johanna is majoring in computer engineering at the University of South Alabama. She is a native from Germany and was a Peer Academic Leader (PAL) for two semesters. In her spare time, she enjoys traveling, hiking, snow skiing, and Yoga. After graduation, she would like to use her international experience for a job in a worldwide operating company in either the U.S. or Europe.

Cory A. Seidel, *Record No. 991*

Cory is majoring in mechanical engineering at Saint Louis University. He is the vice president of SLU Robotics and is working as an undergraduate research assistant in the laser peening lab. He spent this past summer as a research contractor for the Air Force Research Lab in Dayton, OH. After graduation, he plans to pursue graduate studies in mechanical engineering. Eventually, he would like to work in industry and be an adjunct professor.

Danielle M. Shaffer, *Stabile No. 314*

Danielle is majoring in mechanical engineering at Kettering University with a minor in acoustics, where she ranks first in her M.E. class. She is a co-op at Nissan Technical Center North American, working in human engineering. On campus, she serves as a resident assistant. She is a member of Dance Club, TBI, Pi Tau Sigma, Sigma Pi Sigma, Cru, and Asian American Association. She plans to work in the NVH industry following graduation.

Ravinder Singh, *Record No. 992*

Ravi is majoring in electrical engineering at Mississippi State University. He is the co-founder of Great Minds Technology, LLC, and is currently doing research on explosive hazard detection in forward looking imagery. His past jobs have been with Albemarle Corporation and Johns Hopkins Center for Talented Youth. He aspires to build his business after college.

David C. Sloas, *Record No. 993*

Chris studies biomedical engineering at Tulane University, where he is a Dean's Honor student, a supervisor for Tulane EMS, and paints himself solid gold yearly for Mardi Gras. He has published research on microvascular networks and spent his summer at École Nationale Supérieure des Mines de St-Etienne. Chris plans to earn a master's and is interested in health in space.

Darrin M. Sorem, *Record No. 994*

Darrin is majoring in mechanical engineering at the University of Kansas. He has been selected as the team lead for his school's Formula SAE Racing Team, Jayhawk Motorsports. He will work with his team of seniors, graduate students, and underclassmen to design, build, and compete in competitions with schools across the world. He plans to take his summer experience at an oil refinery to become a project engineer and project manager as a career.

Jesse M. Spackman, *Record No. 995*

Jesse is studying mechanical engineering at Utah State University. He has participated in multiple extracurricular activities and has recently begun working as an undergraduate researcher. He has also had several engineering internships. After graduation, he plans on gaining more engineering experience by working in industry before furthering his education by obtaining a master's degree and a doctorate degree. His fields of interest include nuclear energy and renewable energy.

Patrick T. Spiller, *Scribner No. 27*

Patrick is a double major in chemical engineering and chemistry with a minor in mathematics at the University of Louisiana at Lafayette. He has held officer positions for ULL'S TBI and AIChE chapters, also serving as a member of the Chem-E Car team. He works in a lab researching the production of bio-diesel from alligator fat. Upon graduation he hopes to attend medical school.

Shriya S. Srinivasan, *Stabile No. 315*

Shriya is a biomedical engineering major at Case Western Reserve University. As a member of BMES, she is actively involved in research and is the president of Hindu YUVA (Youth for Unity, Virtues, and Action). Shriya is also an accomplished Indian classical dancer and vocalist and has performed widely around the nation. She plans on pursuing biomaterials research to design new drug delivery platforms for cancer.

Maxwell M. Taggart, *Record No. 996*

Max is currently studying biomedical engineering at the University of Utah in preparation for entering medical school in the fall of 2015. Life in Utah is great, trail running, rock climbing, skiing, music, and mass transfer homework. Not so much the homework, but it's been great working with TBI! The UT Alpha Chapter is full of hard-working people and there is a lot of opportunity for personal growth.

Michael R. Tapia, *Stabile No. 316*

Michael is finishing his electrical engineering degree at Cedarville University. He plans on pursuing his graduate studies in biomedical engineering with an emphasis in systems neuroscience. His desire is to use this knowledge to help develop innovative methods of diagnosis and therapeutic treatments.

Haider S. Tarar, *Record No. 997*

Haider is majoring in chemical engineering at the University of Kansas (KU). He is involved in research in computer aided molecular design and petroleum phase behavior studies. He is also the chapter president of AIChE and TBPi at KU. Haider plans on working in the industry for a while before going back to school for an MBA.

Anatoliy A. Tereshchuk, *Stabile No. 317*

Anatoliy is majoring in chemical engineering at the University of Massachusetts Amherst, where he ranks first in his class. During the summer of 2013, he worked as a formulation scientist intern at Sun Products Corporation and is currently working there as a process engineer intern. After graduation, he is planning to go into the work industry while simultaneously earning a MBA. He fluently speaks three languages and comes from a family of 16.

Jocelyn N. Todd, *Record No. 998*

Jocelyn is a biomedical engineering major and German minor at the University of Iowa. She holds officer positions in TBPi and the Mortar Board Honor Society. She also competes for Iowa's track and cross country teams and has earned multiple Big Ten Distinguished Scholar awards. She hopes to continue her education in graduate school and her research experiences lead her to ultimately pursue a career in the medical device industry.

Tran N. Ton, *Record No. 999*

Tran is a computer engineering major at Mississippi State University. She holds officer positions in IEEE and TBPi. She loves traveling and doing volunteer work. This summer, she interned with Baker Hughes as a digital designer. She really enjoys working in oil and gas industry. After graduation, she plans to seek a job to gain real-world experience and then pursue a computer engineering master's degree.

Rebekah M. Tsigonis, *Scribner No. 28*

Rebekah is a geological engineering student at the University of Alaska Fairbanks. She is actively involved with TBPi, SWE, AEG, and a Christian Fellowship on campus, Intervarsity. She has studied earthquakes and fault systems in Alaska, California, and Chile, and has a passion for natural disaster mitigation in developing nations. Rebekah plans to improve her foreign language skills and volunteer with the Peace Corps upon graduation.

Mikkel A. Unrau, *Record No. 1000*

Mikkel is a student of mechanical engineering at Brigham Young University. He holds leadership positions in TBPi and Brighter Horizons, a university-sponsored service organization aimed at assisting at-risk youth. Mikkel currently works as a research assistant in a Fluids and Thermal Transport Lab. After earning his undergraduate degree, Mikkel plans on pursuing a masters or a Ph.D. in aerospace engineering and hopes to be on the cutting edge of R&D in that field.

Alex G. Varvel, *Stabile No. 318*

Alex is currently majoring in electrical engineering and minoring in computer science at the University of Portland. Last summer, he interned with Micro Systems Engineering, Inc. in Lake Oswego, OR. During his senior year of college, Alex will be the president of his TBPi chapter. He will continue to be diligent in his studies, and play plenty of Halo too. After college, he plans to work in industry while simultaneously pursuing a graduate level degree.

Zachary D. Verham, *Record No. 1001*

Zachary is studying computer science at the University of Virginia. He is a member of Chi Alpha Christian fellowship, where he co-leads a small group, and he hopes to attain a minor in religious studies before graduating. He spent the past summer interning with a software development company in Northern Virginia, and will continue working for the same company after graduation. He hopes to attain a graduate degree in the near future.

Justin T. Vogel, *Record No. 1002*

Justin is a civil engineering major at the University of Illinois with a minor in the Hoeft Technology & Management Program. He researched the development of intermodal passenger transportation possibilities and interned at HNTB where he studied the hundreds of bridges in Chicago to serve the city. He plans to pursue a master's in structural engineering and eventually an MBA.

Jordan C. Walker, *Record No. 1003*

Jordan is a biomedical engineering major with a minor in Spanish and chemistry at the University of Utah. He is currently involved in research at the university studying blast wave induced traumatic brain injuries in the Laboratory of Head Injury and Vessel Biomechanics. Jordan is also engaged in the community as he regularly volunteers at the Maliheh Free Clinic interpreting Spanish for healthcare providers. He plans to attend medical school.

Karl M. Wallace, *Record No. 1004*

Karl is an agricultural and biological engineering major at the University of Florida. He has served as the president for local branches of the American Society of Agricultural and Biological Engineers and Alpha Epsilon. His previous employers include the Arthur R. Marshall Foundation, Center for Remote Sensing, and South Florida Water Management District. Karl currently works for the U.S. Dept. of Agriculture - Natural Resources Conservation Service. He plans to pursue a master's degree.

Kent J. Warren, *Record No. 1005*

Kent is a mechanical engineering major at Valparaiso University. He is currently working as an undergraduate research assistant developing solar electro-thermal reactor technology for the production of Mg from MgO. He is vice president of the TBPi IN Delta Chapter and a three-year letter winner for Valparaiso University's football team. After graduation, Kent aspires continue his education and pursue a Ph.D. in mechanical engineering.

Bridget A. Wesson, *Nagel No. 43*

Bridget is a rising senior in chemical engineering at Florida State University. She maintains a 4.0 GPA and is the past President of Tallahassee Rotaract and the current Recording Secretary of the TBPi FL Eta Chapter. This summer, Bridget is working on data analysis for the measurement of the tritium helium-3 mass difference under the guidance of Edmund Myers, Ph.D., in the Ion Cyclotron Resonance laboratory at FSU.

Kirk A. Weston, *Record No. 1006*

Kirk is an electrical and computer engineering double major at North Carolina State University where he is active in student organizations and ranks at the top of his class. Upon graduation, he plans to attend graduate school with a concentration in communications engineering. After finishing his education, Kirk hopes to work for a defense contractor, helping protect American soldiers.

Jeffery F. Wientjes, *Stabile No. 319*

I am majoring in industrial engineering at South Dakota School of Mines and Technology. I will also be receiving a minor in occupational safety as well as a lean/six-sigma certificate. I am president of my school's IIE chapter. I have interned for two summers at Becton Dickinson, where I have been focusing on lean manufacturing and continuous improvement. Upon graduation, I plan on working in lean/continuous improvement for the oil and gas industry.

Erik J. Wislinsky, *Record No. 1007*

Erik is pursuing a B.S. degree in chemical engineering with minors in technology arts & media and biochemistry at the University of Colorado at Boulder. His interests in nanotechnology and polymer science have led him to research at multiple universities. After graduation, Erik plans to work in industry with intentions of pursuing a graduate degree later in his life. When free, Erik spends his time playing guitar and producing music.

Caitlyn M. Wolf, *Record No. 1008*

I am a current chemical engineering student at the University of North Dakota and will graduate this coming spring. Besides TBPi, I am also involved on campus in the American Institute of Chemical Engineers and Society of Women Engineers. Outside of school, I enjoy reading, traveling and going to the lake. My future plans include pursuing a graduate degree and working in research.

Lacey K. Woodfield, *Record No. 1009*

Lacey is a chemical engineering major at Brigham Young University, specializing in biochemical engineering. She is an intern this summer with Invista, a Nylon Intermediates chemical processing plant and Koch Company Subsidiary, but would like to someday be involved in the production of biochemical products. She is currently the Vice President of Campus Communication in BYU's chapter of the Society of Biochemical Engineers and is considering attending grad school in this field.

Devin J. Wortman, *Record No. 1010*

Devin is majoring in mechanical engineering at the University of Nebraska-Lincoln. He is an active member of two engineering honor societies. For the past two years, Devin has spent all of his time outside of class performing undergraduate research and interning as a design engineer at Hexagon Lincoln, where he designs type 4 pressure vessels for compressed natural gas. He is still deciding between attending graduate school or accepting a full-time job upon graduation.

Ryan Wu, *Stabile No. 320*

Ryan is studying computer engineering at Binghamton University. Born and raised in New York City, he discovered his passion for computer technology through the FIRST Lego Robotics program and video game modeling. Ryan served as vice president of the Kappa Epsilon chapter of HKN and treasurer for Binghamton SASE. He is currently an intern at the Air Force Research Lab. After graduating in May 2015, Ryan looks forward to starting a career in hardware design.

Ling Yang, *Stabile No. 321*

Ryan is studying computer engineering at Binghamton University. Born and raised in New York City, he discovered his passion for computer technology through the FIRST Lego Robotics program and video game modeling. Ryan served as vice president of the Kappa Epsilon chapter of HKN and treasurer for Binghamton SASE. He is currently an intern at the Air Force Research Lab. After graduating in May 2015, Ryan looks forward to starting a career in hardware design.

Ethan T. Yen, *Stabile No. 322*

Ethan is an environmental engineering major at Cornell University. He is the TBII chapter president and is an executive board member for the Cornell Wushu Club. He has conducted undergraduate research in the fields of water treatment and bioenergy. Ethan is interested in applying environmental processes to engineered systems. He plans to pursue a master's degree in environmental engineering and focus on water and wastewater treatment.

Rohit S. Zambre, *Record No. 1011*

I currently serve as an international student ambassador and an electrical engineering peer mentor. I have also served as the president of the Indian Students' Association. My two complementary internships with Micron Technology have strengthened my knowledge-base in NAND flash memory. My technical interests lie with cyber-physical systems, i.e. real-time embedded systems that interface with physical processes. I plan to pursue a Ph.D. in this area and ultimately contribute to this field's R&D.

Sanam Zarei, *Record No. 1012*

Sanam is majoring in biomedical engineering at the University of Iowa, where she ranks first in her class. Her involvement outside of TBII includes serving as a research assistant and as an undergraduate teaching assistant. She also performs as a violinist in the university's orchestra and is active in her community. After graduation, she plans to pursue a career in medical device development and medicine.

John L. Ziadat, *Record No. 1013*

John is majoring in mechanical engineering at the South Dakota School of Mines and Technology. He has been involved with ASME, Students for the Exploration and Development of Space, and the design of robots for extraterrestrial mining applications for the past four years. He currently works as an intern for SpaceX (CA) and is planning on pursuing a career there after graduation. In his spare time, John enjoys studying inflationary cosmology, practicing Brazilian Jiu-Jitsu, and gardening.

Stacie M. Zwolski, *Soderberg No. 22*

Stacie is studying biomedical engineering at the University of Rochester where she ranks first in her class. She is business manager of her TBII chapter, and works as a teaching assistant for two biomedical engineering courses. After graduation, she plans to obtain a master's degree and pursue a career in orthopedic research and development in the medical device industry.