

Tau Beta Pi Names 200 Scholars for 2012-13

THE FELLOWSHIP BOARD announced the selection of 200 TBPi Scholars from 328 applicants for senior-year study in the 2012-13 academic year. Scholarships of \$1,000 or \$2,000 are given to members on the competitive bases of scholarship, campus leadership and service, and promise of contributions to the engineering profession, with consideration given to economic need and academic commitment. This 14th group brings the total to 1,316 Scholars. Additional scholar biographies are posted on www.tbp.org.

The Nagel Scholarships are given in honor of former Secretary-Treasurer Emeritus R.H. Nagel, P.E., *NY A '39*.

The Record Scholarships are sponsored by Leroy E. Record, *KS A '29*, whose generous bequest in 2001 funded the Record Scholarship Fund to provide earnings for awards in perpetuity.

The Stabile Scholarships are named for Vincent A. Stabile, *NY A '40*, whose gift in 1999 endowed the awards.

The Dodson Scholarships are sponsored by Charles R. Dodson, *MD B '30*, who made a generous gift to TBPi in 1998.

GEICO sponsors seven additional GEICO Scholarships this year.

Ruth M. and Cleveland L. Campbell, P.E., *IA A '47*, made recent gifts to sponsor the Campbell Scholarships.

The Scribner Scholarships are named for A. Clayton Scribner, *NY G '29*, whose 2003 bequest endows the award.

The James Fife Scholarships are sponsored by the late William Fife, *CA A '21*, and are named in honor of his father.

The Forge Scholarships are named for Charles O. Forge, *CA G '56*, who left a bequest to TBPi in 2010.

The Anonymous Scholarship is given by a generous donor who contributed 10 awards in 2006.

The Bose Foundation made a gift to fund the sixth Bose Scholarship.

The Mentor Scholarship is given in admiration of the 1926-46 automobile industry by James P. Tarwater, *MO B '51*.

The Michael R. Lindeburg, P.E., Scholarships are named for the president of Professional Publications, Inc.

The Alford Scholarship is named for Henry M. Alford, *MS A '27*, who left a bequest to the Association in 2005.

The Curtis Scholarship is named for Richard A. Curtis, *OH A '64*, who left a bequest to the Society in 2007.

The Kolff van Oosterwijk Scholarship is named for H.L.J. Kolff van Oosterwijk, *CA A '50*, who left a bequest in 2008.

George P. Mitchell, *TX A '40*, made a special gift to sponsor the Mitchell Scholarship.

The Schwaller Scholarship commemorates Shawn R. Schwaller, *SD A '95*, whose friends and family established a fund in 2007.

The Higgins Scholarship is named for the 2011 Distinguished Alumnus—Richard G. Higgins, *ME A '79*.

Ciara D. Parrott, Nagel Scholar No. 39

CIARA IS A CHEMICAL ENGINEERING MAJOR at Howard University and first in her class with a 4.0 G.P.A. She is active on campus in several organizations, including community service chair of the NSBE, candidate for student vice president of the college of engineering, and as an undergraduate researcher. This summer she will intern with ExxonMobil and hopes to secure a full-time position upon graduation.



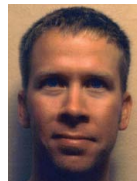
Isamar Rosa Plata, Nagel Scholar No. 40

ISAMAR IS DOUBLE MAJORING IN CIVIL ENGINEERING AND MATHEMATICS at the University of Puerto Rico and ranks first in her class. She is studying in Japan as a Boren Scholar and has participated in summer research programs at MIT and Williams College. As an international math competitor, she has won several medals. She will pursue a doctorate in civil engineering with a focus on sustainable structures.



Aaron P. Baker, Dodson Scholar No. 45

AARON IS A CHEMICAL ENGINEERING MAJOR and first in his class at South Dakota School of Mines & Technology. A father of two, he is involved in research related to using semiconductor chips for real-time detection of cancer cells. His Ph.D. plans will focus on the medical industry. During his military service, he was awarded a Navy and Marine Corp Achievement Medal.



Michael L. Balch, Dodson Scholar No. 46

MICHAEL IS MAJORING IN CHEMICAL ENGINEERING at the University of New Hampshire. He has been involved with research projects beginning his freshman year, most recently, using computer modeling to study biochemical processes. He will pursue a doctorate in biochemical engineering and plans to intern at an engineering firm and eventually work for a small biotechnology company.



Michelle R. Benz, Dodson Scholar No. 47

MICHELLE IS A CHEMICAL ENGINEERING MAJOR at the University of North Dakota. Her extracurricular activities include president of the AIChE chapter, president of the University Engineers' Council, and mentor and tutor through the SWE. Upon graduation, she will seek entry-level employment as a process engineer. She also plans to continue promoting engineering as a future career to young adults.



Juliet L. Schwartz, *Dodson Scholar No. 48*

Juliet is majoring in biomedical engineering at the University of Southern California. She is involved in biomechanics research and volunteers as a tutor for the USC Joint Educational Project, which teaches STEM subjects at elementary schools. She plans to apply to graduate school to continue research and application related to combating medical and



Christopher L. Yankaskas, *Dodson Scholar No. 49*

Chris is a biochemical major at the University of Maryland, Baltimore County, and ranks first in his class. He spends ten hours a week as an undergraduate researcher focused on the study and morphology of fungus. Chris is an Eagle Scout and former member of the university rugby club. He plans to enter medical school and practice internal medicine.



Christina E. Agneta, *GEICO Scholar No. 29*

Christina is majoring in chemical and molecular engineering with a specialization in materials science at SUNY at Stony Brook University. On campus, she is an active member of AIChE and a resident assistant. Her future plans include research related to molecular modeling and industry work on the East Coast.



Ellen R. Edwards, *GEICO Scholar No. 30*

Ellen is a nuclear engineering major at Purdue University. She is president of the square dance club and has co-op experience working with a nuclear design engineer. She will pursue work at a lab or research group to gain experience with nuclear engineering. She plans to attend graduate school and focus on fusion as a source of electric power.



Madison R. Herman, *GEICO Scholar No. 31*

Madison is a chemical engineering major at the University of Toledo. She is an officer in Phi Sigma Rho, the social sorority for women in engineering. After graduation, she would like to participate in a volunteer abroad program. Her goal is to attain a Ph.D. and work in the medical industry or attend medical school.



Jimmy C. Higgins, *GEICO Scholar No. 32*

Jimmy is majoring in electrical engineering and ranks first in his class at the South Dakota School of Mines & Tech. He has secured an internship in the power engineering field. After working, he plans to return and pursue graduate degrees. He is an officer in the vet's organization and is a former technician in the U.S. Navy.



Kimberly A. Hull, *GEICO Scholar No. 33*

Kimberly is majoring in computer engineering at North Carolina State University. She will pursue a master's degree in her field and a co-op position at a company focused on turning ideas into manufactured products. She plans to create a prototype product for her senior design project and continue her stellar academic record.



Ross A. Simons, *GEICO Scholar No. 34*

Ross is majoring in civil engineering at Michigan State University with minors in Spanish and mathematics. This summer he will study abroad in Turkey after completing his internship with Marathon Petroleum Corp. His career goals include working for an international company and attaining a Ph.D. in sustainable energy.



Matthew S. Summers, *GEICO Scholar No. 35*

Matthew is a chemical engineering major at Washington State University. He has been offered an internship with BP in Anchorage, Alaska. Last year, he was a varsity member of the WSU Men's Crew Team and worked with a research group focused on biomaterials. His goal is to work internationally and pursue graduate degrees.



Chin Gian Hooi, *Campbell Scholar No. 25*

Chin is an aerospace engineering major at the Embry-Riddle Aeronautical University. Fluent in five languages, he plans on continuing on to graduate school in an effort to "empower everyone to fly." He has set up a company to research and manufacture unmanned aerial vehicle drones. His career goal is to build commercial "flying cars."



Brian D. Kass, *Campbell Scholar No. 26*

Brian is majoring in mechanical engineering at the University of Iowa. His extracurricular involvement includes being a member of the Hawkeye Marching Band, an undergraduate teaching assistant, and an engineering tutor. After graduation he will enter the workforce and hopes to become an engineering manager and continue to volunteer in his community.



Madhav Baral, *Scribner Scholar No. 18*

Madhav is double majoring in mechanical and nuclear engineering at Idaho State University. He is a tutor and grader of Engineering Physics and an undergraduate researcher involved in research of a "smart" prosthetic hand. He plans to attain a master's degree and focus on energy and the environment.



Breana K. Pabst, *Scribner Scholar No. 19*

Breana is majoring in chemical and biological engineering at Montana State University. She is very active with her local chapter of Engineers Without Borders. She will travel this summer to Kenya and help install a composting latrine. She also secured funding for a research project on the latrine compost. She will pursue a career in renewable energy or



Jared D. Smith, *Scribner Scholar No. 20*

Jared is an environmental engineering major at Clarkson University with a 4.0 G.P.A. and first in his class. He is secretary of the Clarkson Community Orchestra, co-founder of the Clarkson track and field teams, and involved with the campus international study committee. He has an internship with the U.S. EPA and plans to pursue graduate degrees.



Peter N. Bowers, *Bose Scholar No. 6*

Peter is majoring in mechanical engineering at the University of Hartford and ranks first in his class. He is president of the CT Γ chapter of TBII and part of a math research project. He will return for a second internship at an acoustical consulting firm and plans on studying in Brazil. He plans to start a career or attend grad school.



Clark J. Ennis, *Mentor Scholar No. 9*

Clark is a mechanical engineering major at Iowa State University. While in high school, he participated in two service trips to build a girls' school in Uganda. This has shaped his research interests in energy conversion and consumption. He will pursue a Ph.D. focused on the conversion of biomass to energy. He is proficient in Spanish and Chinese and plans to study in Singapore.



John Spencer Hall, *Alford Scholar No. 7*

Spencer is double majoring in aerospace engineering and Physics with minors in mathematics and English from Mississippi State University. This summer he will study at the University of Oxford (UK). He will pursue graduate degrees in applied physics and focus professional research on the applications of plasma and condensed matter.



Hannah L. Cooling, *Schwaller Scholar No. 2*

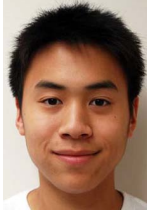
Hannah is a chemical and biochemical engineering major at the Colorado School of Mines where she is President of the CO A chapter of TBII. She is a varsity member of the Mines Cross Country and Track teams and a three-time Academic All-Conference selection. This summer she will travel to China to work at the Dalian Univ. engineering program.



See additional bios at www.tbp.org.

Kevin Kin-cheung Ma, *Anonymous Sch. No.6*

Kevin is a biomedical engineering major at Columbia University with a 4.0 G.P.A. He is program manager of a bridge project in Morocco with the local Engineers Without Borders. Kevin plays doubles on the Badminton club team and is a researcher in the tissue engineering lab. He is applying to medical schools and plans to become a doctor of clinical medicine.



Matthew Stumbo, *Kolff van Oosterwijk No. 4*

Matt is pursuing a bachelor's in aerospace engineering at California Polytechnic State University, San Luis Obispo. He plans to go on for an aerospace master's, and possibly a doctorate, studying electric propulsion and plasma physics. This is his field where he wants to work, either for a company or at a major research laboratory.



Abigail M. Erinc, *Curtis Scholar No. 5*

Abby is a biomedical engineering major at Case Western Reserve University. She would like to continue her studies, possibly for a doctorate focused on biomechanics, bone loss or methods of bone regeneration. Her goals are to help people with technology, teach and excite the next generation about education.



Leigh A. Allison, *Lindenburg Scholar No. 5*

Leigh is working on a bachelor's in biosystems engineering at Clemson University. Her next challenge will be graduate school with a research project based on sustainable construction and low-impact development. She may also serve with AmeriCorps, or couple service with research through the Peace Corps.



Thierno O. Bah, *Lindenburg Scholar No. 6*

Thierno is majoring in civil engineering at Pennsylvania State University. After graduation, he aims to work for a general contractor or for a construction management company, while working on his P.E. licence. His ambition is to open his own civil engineering consulting firm.



Christopher Nie, *Mitchell Scholar No. 3*

Chris is an aerospace engineering science undergraduate at the University of Colorado at Boulder, where he is enrolling in a joint bachelor's/master's program. He has been interning at NASA, with plans to build a career in the field of designing and building spacecraft capable of transporting humans into space.



Brett C. Ebert, *Higgins Scholar No. 1*

Brett is majoring in mechanical engineering at Iowa State University, where he ranked first in his class and group with a 4.0 G.P.A. He plans to pursue a master's in aerospace engineering, and wants to use his degrees in the military and space technology fields, which ties in with his passion for transportation vehicles.



Michael J. Baldwin, *Fife Scholar No. 1*

Michael is majoring in mechanical engineering at California Polytechnic State University, San Luis Obispo. He has been concentrating on renewable energy technologies, which he was studying this summer at Munich University of Applied Sciences. After graduation, he expects to go into industry, although he plans to return to school and pursue a master's.



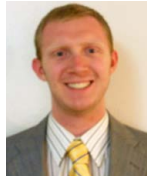
Jennifer Batryn, *Fife Scholar No. 2*

Jennifer is majoring in mechanical engineering at California Polytechnic State University, San Luis Obispo, where her activities include trumpet in the marching band. She is interested in aerospace and robotics for future employment. Internships have included NASA, along with projects in Germany.



Steven G. Bieri, *Fife Scholar No. 3*

Steven is an industrial engineering major with a 4.0 G.P.A. at California Polytechnic State University, San Luis Obispo. He plans to go into industry, hopefully as an automotive engineer with a car company. If he decides to stay in this career path, he would enter a graduate program for his chosen path.



Luke Brigmon, *Fife Scholar No. 4*

Luke is pursuing an industrial engineering degree at the University of Texas at Arlington. He planned to seek summer employment and attain a master's. His career goals are to improve processes and business manufacturing to keep the environment more sustainable. He and his wife are looking forward to starting a family.



Lauren E. Kraft, *Fife Scholar No. 5*

Lauren is an industrial and systems engineering major at Rochester Institute of Technology, where she is in a dual degree program. She is also considering a research M.S. Career interests have been in the aviation and automotive industries, although they have now spread to simulation, product development and healthcare.



Alexander H. Lee, *Fife Scholar No. 6*

Alex is a civil engineering major at the Stevens Institute of Technology, where he is also working on his master's. He wants to design structures like bridges and skyscrapers. He is also looking into the possibility of a Ph.D. and a career in academia, although he is not sure if he wants to go straight to graduate school.



Chelsea E. Phillips, *Fife Scholar No. 7*

Chelsea is majoring in industrial engineering and materials science at West Virginia University, where she ranked first in her class and group with a 4.0 G.P.A. She plans to begin work in manufacturing following graduation, or after graduate school. She was also getting married this summer.



Adam J. Restifo, *Fife Scholar No. 8*

Adam is studying mechanical engineering at Youngstown State University. He plans to look for graduate programs, preferably in the field of thermodynamics/fluids. Another option is to seek a job at the company where he has been interning to help fund the cost of his master's tuition.



Samantha M. Shine, *Fife Scholar No. 9*

Samantha is majoring in industrial and systems engineering at the University of Alabama in Huntsville, where she ranks first in her group with a 4.0 G.P.A. She has been on a co-op at NASA there and hopes to convert to full-time employment at the Marshall Space Flight Center. She also plans to begin graduate studies at Huntsville within three years.



June M. Stanley, *Fife Scholar No. 10*

June is a mechanical engineering major at the New Mexico Institute of Mining and Technology. She plans to pursue her master's there in explosives engineering before going on for a Ph.D. She has been interning and researching at Sandia National Laboratories, and hopes to someday have her own lab there.



Dallin R. Swiss, *Fife Scholar No. 11*

Dallin is studying mechanical engineering at Brigham Young University. He served as a missionary in Ukraine and has been working part time in language instruction at a missionary training center. After graduating, he may join the center full time, go to graduate school, or start work as an engineer.



Jacqueline L. Thomas, *Fife Schol. No. 12*

Jacque is an aerospace and mechanical engineering undergraduate at the University of California, Irvine, where she ranked top of her class and group with a 4.0 G.P.A. She is also training to be a pilot to relate to all aspects of flight. She wants to work for the defense department and is currently interested in use of alternative energy for flight.



Michael J. Townshend, *Fife Scholar No. 13*

Michael is a mechanical engineering and political science major at Montana State University. He would like to go on to law school, then have a career using his engineering in a way that requires an understanding of different languages and cultures. He is also working on his private pilot's certificate.



Brian J. Tubergen, *Fife Scholar No. 14*

Brian is a computer science major at Princeton University. He wants to build beautiful software products to make users' lives better and plans to become a high tech entrepreneur. After working on an email application at Microsoft last summer, he plans to move to Silicon Valley, work in software, and build companies.



Daniel E. Turley, *Fife Scholar No. 15*

Daniel is majoring in mechanical engineering at Brigham Young University. He was planning an internship this summer, and hoped to show an employer that he would be a valuable asset full-time. Future plans are to work for about two years and then pursue an M.B.A. His most important goals are to marry and start a family.



Erkai L. Watson, *Fife Scholar No. 16*

Erkai is a mechanical engineering major at Cedarville University, where he ranks first in his group with a 4.0 G.P.A. He has already progressed from backyard sandcasting while growing up in Nicaragua to his university's supermileage team. He looks forward to the research and autonomy of graduate study.



Neil J. Wimer, *Fife Scholar No. 17*

Neil is majoring in mechanical engineering at the University of Idaho, where he was TBII President. He ranks first in his class and group with a 4.0 G.P.A. Either in industry or a graduate program, he hopes to combine his interests in renewable energy and large machinery with mechanics and thermal sciences.



Angela T.S. Wu, *Fife Scholar No. 18*

Angela is a mechanical engineering major at California State University, Los Angeles, where she ranked top of her class and group with a 4.0 G.P.A. She is interested in automotive and aerospace engineering, and is considering graduate school with a view to becoming a professor. Another aim is to start a recycling program in her homeland of Suriname.



Ji Xu, *Fife Scholar No. 19*

Ji is a mechanical engineering undergraduate at the University of Cincinnati, where he ranks first in his class and group with a 4.0 G.P.A. He plans to spend about a year in industry before entering graduate school. His current plan is to gain a master's in nuclear energy to help with the global energy crisis.



Alexander C. Young, *Fife Scholar No. 20*

Alex is majoring in aerospace engineering at North Carolina State University, where he ranks first in his class and group with a 4.0 G.P.A. He is cadet wing commander of the Air Force ROTC detachment there, and plans to become a USAF engineer or test pilot. His ultimate goal is to be an astronaut.



Hisham K. Ali, *Forge Scholar No. 1*

Hisham is majoring in aerospace engineering at the University of Alabama and has a 4.0 G.P.A. He performs as a saxophonist in the university band. He will pursue a Ph.D. and plans a career as a research engineer and professor. His research interests are related to spaceflight and space exploration.



Gregory R. Andrus, *Forge Scholar No. 2*

Greg is an electrical engineering undergraduate at Northeastern University, where he has been working on projects relating to audio amplification and signal processing. He plans to find a job using them to advance technology. Another ambition is to start a club to inspire young engineers to think outside the box for progress.



Anjali K. Bains, *Forge Scholar No. 3*

Anjali is majoring in earth and environmental engineering at Columbia University. She wants to use her new skills in city, state or federal government. This would help her to decide which graduate program to pursue for either a master's or a Ph.D. in environment or sustainable energy issues.



William L. Beck, *Forge Scholar No. 4*

Bill is studying for a bachelor's in civil engineering at the University of South Alabama, where he ranked top of his class and group with a 4.0 G.P.A. The former U. S. Marine plans to go on to graduate school. He is interested in creating structures that can serve many purposes over decades or centuries without the problems of major redesign.



Brittin W. Bennett, *Forge Scholar No. 5*

Brittin is a computer engineering student at Utah State University, where he ranks first in his group with a 4.0 G.P.A. He plans to go on for a master's in electrical engineering, with a research emphasis on digital image/signal processing. His future plans include pursuing a Ph.D.



Kristin A. Bernstein, *Forge Schol. No. 6*

Kristin is an environmental engineering major at Northwestern University. She plans to enrol in a B.S./M.S. program there. After that, she hopes to begin work as an environmental engineer in the energy field. Her aim is to work under a professional engineer in order to gain the experience necessary to pass the P.E. exam.



Blake J. Dolve, *Forge Scholar No. 7*

Blake is a civil engineering major at California State University, Sacramento, where he ranks first in his group. He was spending the summer at a design company to gain experience, start working towards a master's, and also accrue hours towards the F.E. exam. On becoming a civil engineer, he plans to start work on taking the P.E. exam.



Yun H. Lim, *Forge Scholar No. 8*

Yunho is majoring in chemical engineering at Purdue University. He hopes to attend graduate school and pursue a Ph.D. in tissue and protein engineering. He has long dreamed of becoming a college professor to commit himself to education and research. He is interested in applying stem cell growth and biomimicry.



Brittany J. Rogers, *Forge Scholar No. 9*

Brittany is a biomedical engineering major at California Polytechnic State University, San Luis Obispo. She ranks first in her class and group with a 4.0 G.P.A. She plans to pursue a master's, become a certified prosthetist and give back to people the ability to live their lives to the fullest.



Thomas C. Tritt, *Forge Scholar No. 10*

Tom is majoring in biomedical engineering at the Stevens Institute of Technology. His plans include medical school, where plans to be involved in biological research. The decision to study medicine followed the deaths of family members after he entered college. The care shown by doctors made him rethink his career.



Sean R. Bestgen, *Record Scholar No. 687*

Sean is an electrical engineering major at the South Dakota School of Mines and Technology, where he ranks top of his class and group with a 4.0 G.P.A. He plans graduate school, either following graduate school or after joining the workforce. He may also obtain an electrician's license so that he is certified to install and test his own engineering designs.



Tuhina Bhattacharya, *Record Schol. No. 688*

Tuhina is a biomedical engineering major at the Worcester Polytechnic Institute. She plans to enter industry in R&D, as well as being a part-time dance teacher, to balance her passions for engineering and the performing arts. Her interest lies in regenerative medicine and she would eventually like to return to academia.



Harrison W. Bourne, *Record Schol. No. 689*

Harrison is an electrical engineering major at Miami University, with a minor in computer science. He plans to pursue graduate studies focused on GPS as a remote sensing tool to augment other instruments in ionospheric studies. One senior year project is to work on a contest for an autonomous snowplow and a similar mower.



Brandon P. Boyce, *Record Scholar No. 690*

Brandon is majoring in aerospace engineering at the University of Illinois at Urbana-Champaign. He has been applying for internships at Blue Origins, NASA and SpaceX, as well as for research. His career plan is to put more people into space, so that humanity can explore and expand its frontiers.



Ariel M. Bridgeman, *Record Schol. No. 691*

Ariel is an engineering physics major at the Colorado School of Mines. She plans to attend graduate school to study particle physics, which she believes can help to solve our current problems. Ariel also plans to stay active in the community by working in STEM programs and with Habitat for Humanity.



Emily C. Buck, *Record Scholar No. 692*

Emily is majoring in materials science and engineering management at Drexel University, where she was top of her group. She is on a program to graduate with both B.S. and M.S., with a focus on polymers. Her plan is to work in industry on research and development, in polymers and/or biomedical materials.



Melody G. Burkhart, *Record Scholar No. 693*

Melody is an electrical engineering major at the University of Kentucky. She plans to go to graduate school for a master's, and has been interning with Raytheon in the missile systems division. Her ultimate goal is to make a positive contribution to the world, through her job, family, and continued participation in TBI and other organizations.



Bryce R. Caughron, *Record Scholar No. 694*

Bryce is an aerospace engineering major at the University of Texas at Austin, where he is top of his class and group with a 4.0 G.P.A. Graduate school plans are to pursue a master's in orbital mechanics. He has been interning in a signals and information sciences laboratory, and hopes for a future internship at NASA.



Matthew P. Charnley, *Record Schol. No. 695*

Matthew is a chemical engineering major at the University of Notre Dame, where he is also studying mathematics, and is TBI President. He plans to pursue graduate studies, and expects to decide his future around this. He aims to make the world a better place, so he is looking at ways of achieving that.



Peter E. Collins Jr., *Record Scholar No. 696*

Peter is majoring in nuclear engineering at the University of Tennessee, Knoxville. He plans pursue a master's in nuclear, to better understand the commercial nuclear power industry. Currently he is interested in the development of small modular reactor (SMR) designs and their compatibility with the U.S. grid.



Marie S. Cope, *Record Scholar No. 697*

Marie is a chemical engineering major at Brigham Young University. She will be pursuing electives in biomedical, polymer, and energy engineering. Areas where she is seeking internships include semiconductors, heart valve technology, drug development and drug delivery. She will pursue an entry-level position in one of these.



James A. Counts, *Record Scholar No. 698*

James is majoring in chemical engineering at the University of Florida. He will be looking for a biomolecular engineering graduate program over the next year and plans to start pursuing a Ph.D. as soon as possible. Career interests are focused on pharmaceuticals, working on solutions to many of the rising health problems.



Sharon L. Cox, *Record Scholar No. 699*

Sharon is a chemical engineering major at Washington State University, where she has been TBI President. She is interning with BP in Alaska. After graduating, she wants to go to medical school, with the ultimate goal of serving the medical needs in rural communities in China.



Mitchell R. Dabling, *Record Scholar No. 700*

Mitch is pursuing a B.S. in civil engineering at Utah State University, and plans to go on for a master's there, before moving to another university for his Ph.D. He has been researching hydraulic structures. His goal is to teach at university level. So he is establishing a strong educational and research background.



Isaiah J. Davies, *Record Scholar No. 701*

Isaiah is a biomedical engineering major at the University of Utah. He is an Eagle Scout and an undergraduate researcher. His future plans involve medical school and becoming a doctor, or pursuing graduate degrees and working as a bio-engineer. He will intern for a biomedical company to help decide his future career path.



Nicole R. Davis, *Record Scholar No. 702*

Nicole is majoring in mechanical engineering at the Colorado School of Mines. After graduation, she plans to work for an agency such as Bridges to Prosperity, who help rural communities. Then she would like to continue her education, or start her own company to solve engineering problems in underdeveloped countries.



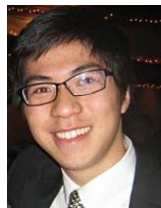
Ana M. Dede, *Record Scholar No. 703*

Ana is a biomedical engineering major at Worcester Polytechnic Institute, where she will spend the next year working on a project to measure levels of metabolites in cancer cells. They hope this will lead to better understanding of the disease. She plans to go on to a Ph.D. program focusing on drug delivery systems in oncology.



Julius Doan, Record Scholar No. 704

Julius is majoring in civil engineering at the Georgia Institute of Technology. He has wanted to design large buildings since reading at the age of 16 about Dubai's Burj Khalifa, the tallest manmade structure in the world. Graduate school plans are focused on structural engineering, with teaching a future option.



Kristen M. Doolittle, Record Scholar No. 705

Kristen is majoring in civil engineering at Clemson University, where she is on a program to begin taking graduate courses in her senior year. After gaining her master's, she plans to enter the workforce and commence her career as a civil engineer in training. A summer internship was seen as a possible path to a job.



James M. Douglass, Record Scholar No. 706

James is a civil engineering major at the University of South Alabama, where he ranked first in his class and group with a 4.0 G.P.A. He has already earned a B.S. and a master's in mathematics, with thoughts of a teaching career. His math background enables him to focus more on the underlying concepts of engineering.



Chelsea M. Ehlert, Record Scholar No. 707

Chelsea is majoring in materials science and engineering at Rensselaer Polytechnic Institute, where she is the TBI President. She is spending her second summer interning at Knolls Atomic Power Laboratory before taking some graduate level courses in her senior year. Before graduate school, she plans to explore Europe.



Niloofar Farhang, Record Scholar No. 708

Niloofar is a biomedical engineering major at the University of Utah. She has been conflicted between going to medical school, her current plan, and the prospect of graduate school. This has involved shadowing doctors and doing clinical research. She is now looking at engineering internships in industry for other options.



Jared M. Forman, Record Scholar No. 709

Jared is a chemical engineering and chemistry major at the Massachusetts Institute of Technology, where he has a 5.0 G.P.A. He plans to also gain a master's and then look for a position in industry, saving a more advanced degree for the future. Given his internships, he may end up in the pharmaceutical industry.



Alex J. Foy, Record Scholar No. 710

Alex is majoring in chemical engineering at Brigham Young University. He is researching graduate schools and plans to go on for a Ph.D. in Chem.E. with an emphasis on biology and biomedical engineering. He would like to work in private industry developing practical solutions to common medical problems.



Ethan C. Grefe, Record Scholar No. 711

Ethan is double majoring in computer science and computer engineering at the University of Wisconsin-Madison. He plans to pursue a master's and several internships within the field of computer architecture. He is an undergraduate researcher, active in his church choir, and a student worker in the department of counseling psychology.



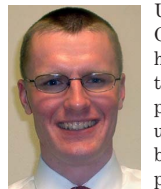
Kyrstyn K. Haapala, Record Scholar No. 712

Kyrstyn is pursuing a B.S. in civil engineering at the University of Minnesota, Duluth, where she ranked first in her group. The focus of studies for her master's will be structural engineering. She will be looking at taking the F.E. exam, and working for a firm where can put her ideas into action.



Thomas M. Hall, Record Scholar No. 713

Thomas is a civil engineering major at the University of Minnesota-Twin Cities. After receiving his B.S., he plans to enroll in a graduate transportation engineering program, on the road to his ultimate goal of a Ph.D. He has been working on movement patterns at traffic roundabouts and areas like commuter behavior.



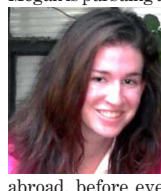
Larissa A. Hall, Record Scholar No. 714

Larissa is majoring in biological systems engineering at Kansas State University, where she ranks top of her class and group with a 4.0 G.P.A. She plans to gain experience in the biomedical field and to research the procedure for repairing a torn Achilles' heel. Postgraduate plans are for a master's in rehabilitation engineering.



Megan E. Hamilton, Record Scholar No. 715

Megan is pursuing a bachelor's in materials science and engineering at the University of Florida, where she is taking a minor in Spanish. Her specialization is electronic materials. After graduation, she is interested in work and/or research abroad, before eventually applying to materials science Ph.D. programs in the U.S.



Grant E. Harper, Record Scholar No. 716

Grant is majoring in chemical engineering at Brigham Young University, where he is TBI President. This summer, he is interning as an imaging process coordinator. Based on internship and research experience, he will decide the field of industry he would like to enter, and choose the subject for an advanced degree.



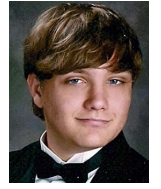
Mary N. Hauswirth, Record Scholar No. 717

Mary is a chemical engineering major at the University of Alabama, where she ranked first in her class and group with a 4.0 G.P.A. She plans a career in medicine, and believes that her engineering education is developing problem solving skills which are essential to a physician for diagnoses and treatment of patients.



David A. Hawkins Jr., Record Scholar No. 718

Alan is an aerospace engineering major at the University of Alabama. He hopes to be involved in research opportunities there, and to enroll in a graduate program. If this is not possible, he plans to try his hand on the job market. He expects the next few years to be a trying and uncertain time, but one filled with possibilities.



Yiming He, Record Scholar No. 719

Ming is double majoring in art and civil engineering at the University of Iowa. He is a board member of ASCE and chairman of the steel bridge team. His plans are to seek an internship, continue as a campus engineering tutor, and enroll in an architectural graduate school program.



Brett D. Hill, Record Scholar No. 720

Brett is majoring in chemical and biological engineering at Colorado State University. He has been interning at Los Alamos National Laboratory on a project with hazards from plutonium oxide from the Cold War. Future plans are for a master's or a Ph.D., on the way to joining the workforce as a process engineer or becoming a professor.



Daniel E. Hines, Record Scholar No. 721

Dan is a chemical engineering major at the South Dakota School of Mines and Technology. He is currently forming a student chapter of the American Society of Safety Engineers. After graduating, he plans to enter industry. Then after deciding a career path, he will consider graduate education, possibly for a M.B.A.



Brandon J. Isaac, Record Scholar No. 722
Brandon is majoring in chemical engineering and physics at the University of Kentucky and is arrangements chair for the 2012 TBPI National Convention. He plans to enrol in a Ph.D. program, and to pursue post-graduate studies in materials engineering and applied physics, spanning fundamentals and applications.



Jason E. Jensen, Record Scholar No. 723
Jason is pursuing a B.S. in chemical engineering at the University of Utah and postgraduate plans are for medical school. He has already spent a year studying medical subjects in Spanish at Madrid, Spain. Current interests focus on cardiology, orthopedics, and anesthesiology, although he has not chosen a final career path.



Robert M. Jones, Record Scholar No. 724
Robert is majoring in mechanical and electrical engineering at the Rochester Institute of Technology, where he is enrolled in a five-year program. He plans to continue co-ops with excellent companies in hopes of gaining enough experience to one day work for the rocket builder company SpaceX.



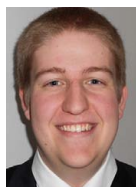
Bryan Q. Kah Ming, Record Scholar No. 725
Bryan is a civil and environmental engineering undergraduate at Southern Illinois University at Carbondale, and has been a TBPI President. He plans to pursue a master's and go on for a Ph.D. This will mean working on either in-depth research on nanoparticles and plants or removal of vegetation in streams/wetlands.



Matthew R. Kelly, Record Scholar No. 726
Matthew is majoring in electrical engineering, with a biomedical option, at the Rochester Institute of Technology. He plans to go on for a master's, and to pursue internships in the biomedical field. He is interested in applying engineering knowledge to the human body, possibly in areas like diagnostic equipment and prosthetics.



Anders M. Knight, Record Schol. No. 727
Anders is a chemical engineering major at the University of Wisconsin-Madison, where he has minors in international engineering and German. Graduate school plans are to pursue a Ph.D. and research at the interface of chemical engineering and biochemistry. He also plans to spend a semester at Munich's Technical University.



Jonathan M. Lane, Record Scholar No. 728
Jon is majoring in chemical engineering at the Montana State University. He has not yet decided between graduate school and going straight into the workforce. He wants to produce energy for the growing world, and is interested in all types of sources. He was hoping a summer internship would help him to decide his future.



Sydney M. Laramie, Record Scholar No. 729
Sydney is a chemical engineering and chemistry major at Clarkson University, where she is top of her class and group with a 4.0 G.P.A. She has developed a love of research and a passionate interest in alternative energy. Her plan is to pursue a doctorate, and she expects to go into industrial research rather than academia.



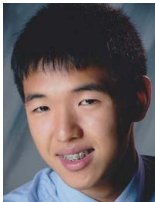
Jack A. LaSota, Record Scholar No. 730
Jack is pursuing a B.S. in computer engineering, with a mathematics minor, at the University of Alaska Fairbanks. This year, he is spending a second summer interning at NASA's Goddard Space Flight Center. After graduating, he plans to spend the next two years working towards a master's degree, or higher.



Jason R. Lauer, Record Scholar No. 731
Jason is a chemical engineering major at the University of Alabama, where he is top of his class and group with a 4.0 G.P.A. He plans to go on to medical school, specializing in biomedical engineering. His ultimate goal is to become a physician who is dually active in treating patients and conducting clinical research.



Jingyu Lee, Record Scholar No. 732
Jingyu is pursuing degrees in civil engineering, architectural engineering, and architecture at the Illinois Institute of Technology. His ambition is to bring more integration between structure and aesthetics. He sees an increase in the need for high-rise buildings, which will need to be more sustainable, and wants to be part of this.



Edward L. Lin, Record Scholar No. 733
Edward is a chemical engineering major at Rensselaer Polytechnic Institute. His plans include graduate school and a doctorate. His scientific education and research experience make him want to help find solutions to problems such as the energy crisis and diseases like Alzheimer's.



Robert J. Livorio, Record Scholar No. 734
Robert is an architectural engineering major at Pennsylvania State University, where he plans to graduate from the combined B.Sc./M.Sc. program. After graduating, he hopes to spend some time working in the field in order to gain valuable experience, and meet the requirements for P.E. examination eligibility.



Ngoc Q. Luong, Record Scholar No. 735
Ngoc is an electrical and computer engineering major at Boise State University, where he ranks first in his class and group with a 4.0 G.P.A. He is currently a research assistant in the nanoscale materials and devices group at Boise State. He plans to pursue graduate studies after gaining his bachelor's.



Benjamin B. Macy, Record Scholar No. 736
Ben is majoring in electrical engineering at Valparaiso University and is interning this summer at a nuclear power plant. He hopes to build a career in clean energy generation or grid integration of renewable sources. He has been involved in student government and plans to run for student body president.



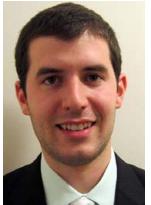
Preston W. Marshall, Record Schol. No. 737
Preston is majoring in civil engineering at the University of Alabama at Birmingham. He is also active in the U.S. Air Force ROTC there. After graduation he plans to become an air force second lieutenant and remotely piloted aircraft (RPA) pilot. This will allow him to use his education in the service of the country.



Courtney M. Mazur, Record Schol. No. 738
Courtney is majoring in biomedical engineering at Brown University, where she is top of her class with a 4.0 G.P.A. She has been looking at problems faced by prosthetics and medical implants, like infection and rejection. After her master's, she will stay in academia, or pursue a career in industry.



James P. Mazza, Record Scholar No. 739
Jim is an electrical engineering major at the Rochester Institute of Technology, where he ranked first in his class and group with a 4.0 G.P.A. He has been accepted into a five-year B.S./M.S. program. He may go into industry, although one of his goals is to gain a doctorate, and he would also like to get a M.B.A.



James P. McGough, Record Schol. No. 740

James is majoring in mining engineering at the South Dakota School of Mines and Technology, where he ranked top of his class and group with a 4.0 G.P.A. This summer, he was interning as a mining engineer, and presenting a technical paper at a conference in Cambridge, England. He hopes to pursue a master's.



Stephen L. McHargue, Record Schol. No. 741

Stephen is an electrical engineering major, with a minor in mathematics, at the University of Nevada, Las Vegas. He has watched his mother struggle to live with a disability. This has motivated him to use engineering to create a device to ease suffering, or to help people in some other way.



Erin C. Miller, Record Scholar No. 742

Erin is an architectural engineering major at Pennsylvania State University, and plans to graduate from the combined B.Sc./M.S. program. She values the integrated nature of the architectural curriculum. Her current passion is for the mechanical systems of building and how their energy consumption affects the world.



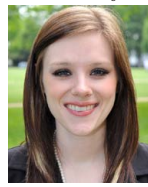
Samuel A. Miller, Record Scholar No. 743

Sam is a materials science and engineering major at Alfred University, where he ranked first in his class and group with a 4.0 G.P.A. He expects graduate school work to focus on glass, ceramic or polymer engineering, and will likely pursue a Ph.D. After working in industry for a number of years, he wants to continue his career in academia.



Rachel Mitchell, Record Scholar No. 744

Rachel is majoring in chemical and biological engineering at the University of Alabama where she ranks first in her class. She is president elect of the local section of SWE. After graduation, she plans to work as a pharmaceutical engineer or for a medical device company. She will pursue an MBA.



Robert M. Morrison, Record Scholar No. 745

Robert is a biomedical engineering major at the Illinois Institute of Technology, where he ranked top of his class and group with a 4.0 G.P.A. He plans to work in neural engineering, creating devices that can communicate with the nervous system, augmenting its function. He plans to pursue a Ph.D.



Maureen R. Newman, Record Schol. No. 746

Maureen is majoring in biomedical engineering at the Rensselaer Polytechnic Institute. She aims to attend a graduate school with faculty active in prominent biomaterials and regenerative medicine research. Future plans include work on a doctorate, with the hope that one day her research will be used to treat patients.



Thuong N.-H. Ngo, Record Scholar No. 747

Thuong is a civil and environmental engineering major with a 4.0 G.P.A. at the University of Oklahoma. She is interning to obtain hands-on experience and be ready to work in industry. She will be pursuing a master's focused on water treatment, after growing up in Vietnam where many children die due to water issues.



Max J.T. Nguemeni, Record Sch. No. 748

Max is a civil engineering major at Howard University. He is president of the local ASCE chapter and a member of the steel bridge team. He plans to further his education, specializing in transportation infrastructures, so that he can help address many of the issues in his home country of Cameroon.



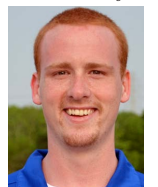
Bich N. Nguyen, Record Scholar No. 749

Bich is a biomedical engineering major at Mercer University, and plans to graduate next year with a combined M.S./B.S. She expects to pursue graduate studies, being interested in applied biomechanics and pharmacokinetics. She has already been part of a Mercer team helping amputees in her native Vietnam.



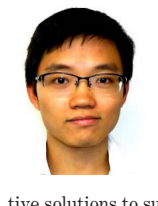
Travis Noah, Record Scholar No. 750

Travis is majoring in chemical engineering at the South Dakota School of Mines and Technology. He has interned and co-oped with Dow Chemical, and is continuing to review career paths to make an informed decision on where to start work after graduating. Currently he would like to join a large global corporation.



David H.W. Oh, Record Scholar No. 751

David is majoring in earth and environmental engineering at Columbia University, where he ranked first in his group. His graduate school plan is to pursue a Ph.D. in energy and resource engineering. David wants to be a professor in this field to research and promote innovative solutions to sustain the future.



Teng F. Ong, Record Scholar No. 752

Teng is pursuing a B.S. in civil engineering at Purdue University. He plans to go into industry before going on for a M.S.C.E., hoping to work for an international company. His goal is to join the Bechtel Corporation early career hire program to receive training and mentoring on infrastructure projects around the world.



Jonathan A. Pan, Record Scholar No. 753

Jonathan is majoring in biomedical engineering at the University of Virginia. He plans to become a doctor but wishes to stay involved in research. At medical school, he hopes to specialize in cardiology or radiology. He has always enjoyed tutoring and research, and hopes to some day teach university courses.



German A. Parada, Record Schol. No. 754

German is a chemical engineering major at Iowa State University. After graduation, he plans to research or teach for a year, before starting graduate school. Then he will start working towards a Ph.D. in the polymers field. His career goal is to become a faculty member and scientist at a renowned research university.



Cailin M. Penberthy, Record Scholar No. 755

Cailin is a biological and agricultural engineering major at the University of Idaho. She plans a career in environmental engineering and would like to focus on water quality. She may enter graduate school to pursue a master's in Mech.E. or engineering management, and is aiming to become a P.E.



Nhu T. Pham, Record Scholar No. 756

Nhu is majoring in chemical engineering at University of Louisiana at Lafayette. Graduate school goals include a doctorate. She plans a career in the energy field, to discover new power sources and make America energy independent. She also hopes to continue community service.



Seth C. Polsley, Record Scholar No. 757

Seth is a computer engineering major at the University of Kansas, where he came first in his class and group with a 4.0 G.P.A. His interests lie in software, hardware, and graphic design. He plans to pursue a master's in computer science, possibly with a specialization in intelligent informatics.



Pichet Praveschotinunt, *Record Schol. No. 758*
Bom is a biomedical engineering major at Duke



University, where he will be researching cancer fighting drugs in the coming year. He is a Royal Thai Scholar and plans to gain a doctorate before returning to Thailand, and working at a government research facility. After B.S. graduation, he will spend the summer there to become a Buddhist monk.

Shelby K. Pursley, *Record Scholar No. 759*
Shelby is majoring in biological engineering at



Louisiana State University, where she was recruited as a volleyball player and is also undertaking a minor in chemistry. Future plans involve going to graduate school to pursue a master's degree in bioengineering or biomedical engineering.

R. Liam Reilly, *Record Scholar No. 760*

Liam is a civil engineering major at Kansas State University, where he ranks first in his group with a 4.0 G.P.A. He is also pursuing a pre-law curriculum with a view to becoming a patent attorney. He plans to combine his interest and knowledge of sustainable technology with the law, and so make an impact on society.



Joshua T. Richardson, *Record Schol. No. 761*

Joshua is a chemical engineering major at the University of South Alabama, where he ranks top in his class and group with a 4.0 G.P.A. He was planning to intern with NASA this summer. Longer term plans include graduate school to enhance his knowledge of catalyst development, and to develop further skills.



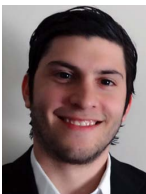
Andrew J. Robison, *Record Scholar No. 762*

Andrew is majoring in mechanical engineering, chemistry, and German at the South Dakota State University. His primary focus is on Mech.E. and he plans a career in the development of biofuels. As fossil fuels continue to deplete, he sees them as a solution, and wants to work with others to make them on an industrial scale.



Jose M. Salce, *Record Scholar No. 763*

Marcelo is a civil engineering undergraduate at Purdue University. He plans to pursue a master's focused on structural and environmental engineering, and then start work to acquire experience to start his own consulting firm. He will be ready for the challenges of the new sustainable structural engineering.



Tapash J. Sarkar, *Record Schol. No. 764*

TJ is majoring in electrical and computer engineering at Rice University where he has a 4.09 G.P.A. He is now shifting to more courses in areas like photonics and solid state quantum mechanics. Future graduate studies will be aimed at a Ph.D. so he can find a research position where he can build a career at the cutting



edge of electrical engineering.

Samuel S. Schreiner, *Record Schol. No. 765*

Sam is an aerospace engineering and mechanics major at the University of Minnesota-Twin Cities. He plans to pursue graduate studies in the aerospace field. Sam will also seek a management degree to be an effective leader in aerospace. He sees himself working for NASA or the commercial space industry.



Samareh Shahmohammadi, *Record Sch. 766*

Samareh is a computer engineering major at the University of Wisconsin-Milwaukee, where she ranked first in her group. She plans to pursue a Ph.D., focusing on problems with graph theory because of the many problems to which it can be applied. Long term, she would like to continue studying piano and play professionally.



James N. Smyly, *Record Scholar No. 767*

Jimmy is majoring in electrical engineering at Cedarville University. He has been on robot design competition teams and is president-elect of Cedarville's IEEE student chapter. He has also been interning with access equipment makers JLG Industries, where he hopes to pursue a career after gradu-



Jacob R. Snyder, *Record Scholar No. 768*

Jacob is studying computer science at Case Western Reserve University, where he has a 4.0 G.P.A. and is planning to take graduate level computer courses. He has been interning at Microsoft. This summer, he was working as a software development engineer intern with the Xbox team, and hopes that will lead to a full-time job offer.



Emily R. Squillace, *Record Schol. No. 769*

Emily is majoring in environmental engineering at the South Dakota School of Mines & Tech. Her passion for the outdoors has motivated her to pursue a career to help preserve and reduce negative environmental impact. Her career goal is to work in the mining industry to restore habitats after mining operations have ceased.



Marsa S. Taheri, *Record Scholar No. 770*

Marsa is majoring in bioengineering at the University of Utah, where she ranked first in her group with a 4.0 G.P.A. She intends to pursue a doctorate in bioengineering so that she can continue research on nervous system disorders. She also plans to work on medical device design in her senior year on the way to becoming a professor.



Amanda M. Taylor, *Record Schol. No. 771*

Amanda is a chemical engineering major at Michigan Technological University. Research and internships have made her want to work on developing sustainable alternative fuels. She aspires to teach and mentor others, planning to be a professor, while discovering energy sources for the future.



Andreas Torsvik, *Record Scholar No. 772*

Andreas is a geomatics engineering major at California State University, Fresno, where he ranked first in his class and group with a 4.0 G.P.A. He sees himself becoming a professional in the field of surveying and engineering. He wants to be a part of the great technological advances that are currently being made.



Sydney D. Truong, *Record Scholar No. 773*

Sydney is a biomedical engineering major at the University of Utah. She plans to pursue a master's and prepare for a career in the medical device industry. Interests include drug delivery systems, nanotechnology, and tissue engineering. She also wants to be active in the academic community.



Jackson G. Turbeville, *Record Schol. No. 774*

Jackson is majoring in bioengineering at Clemson University. He plans to go on to medical school, hoping to attend a program that places an emphasis on research relevant to bioengineering. He is sure the analytical skills he has learned from engineering will prove invaluable tools for the future.



Alexander Van Orsow, *RecordSchol. 775*

Alex is a chemical engineering undergraduate at the University of Wisconsin-Madison. He has been interning at the Mayo Clinic and plans to find a job that builds on his degree in preparation for attending a M.B.A. program. This will prepare him for a career at the junction of business and engineering.



Sarah F. Vaselaney, Record Schol. No.776

Sarah is majoring in materials science and engineering at Purdue University, where she plans to take extra courses on manufacturing, processing, and mechanics of composite materials. She was interning this summer with Boeing Corporation, where she hopes to work after graduation. She may also apply to graduate school.



Hayden Waisanen, Record Schol. No. 777

Hayden is pursuing a bachelor's in computer science at the South Dakota School of Mines and Technology, where he ranked first in his class and group with a 4.0 G.P.A. He is an assistant hall director and active in Circle K. Future plans include a career in software engineering with Google or a similar company.



Matthew E. Weber, Record Schol. No. 778

Matt is a computer engineering major at the University of Virginia. He was spending the summer as a researcher at the U.V. computer engineering department. His goal was to publish his work, develop it as the subject for his senior thesis, and use it for acceptance into a top-tier graduate program.



Zachary C. Wheaton, Record Schol. No.779

Zach is majoring in chemical engineering at the University of North Dakota, where he ranked first in his group. This summer was his first internship as a process engineer. He has not yet decided between graduate school and the workforce after graduating but does plan graduate studies at some point.



Aaron J. Wilbee, Record Scholar No. 780

Aaron is majoring in electrical engineering at the Rochester Institute of Technology, with minors in philosophy and mathematics. His plans include a master's with a robotics concentration. His goal is to research at the biomedical robotics laboratory at RIT as a transition to a career in that field.



Emily A. Wolf, Record Scholar No. 781

Emily is an aerospace engineering major, with a minor in security and risk analysis, at Pennsylvania State University. She plans a career in aerospace defense, analyzing outside threats and making sure the country is prepared to deter or eliminate them. She has already interned as an analyst with the Federal Government.



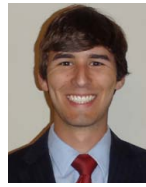
Jessica R. Woods, Record Schol. No. 782

Jess is majoring in biomedical engineering at Western New England University, where she has been a TBII President. She has been focusing on micro and nano devices, which is where she hopes to base her career. She plans to pursue a graduate degree, either full time or while working.



J. Edmond Wright, Record Scholar No. 783

Edmond will graduate with a B.S.in chemical engineering from Mississippi State University. He has co-oped for two terms with ExxonMobil Chemical, and is deciding where he plans to start building his career. He hopes to hire on as a process/contact engineer, and start putting in the hours to build his expertise.



Kevyn C. Young, Record Scholar No. 784

Kevyn is majoring in mechanical engineering at Colorado School of Mines. He plans to pursue a master's for a career in technical innovation and leadership in the interdisciplinary field of engineering. A micro/nanoscale track is of particular interest to focus on nanoscale and robotics design for 21st Century problems.



Zihan Zhu, Record Scholar No. 785

Zihan is a biomedical engineering major at the University of Iowa, where she ranked first in her class and group with a 4.0 G.P.A. Her goal is to enter a M.D./Ph.D program. She is focused on cardiovascular biomechanics, after her grandfather suffered from problems with a stent for artery stenosis.



Angel Zubieta, Record Scholar No. 786

Angel is majoring in biomedical engineering at the University of Texas at Austin. After graduation, he will enter industry full-time. He wants to be able to help his family financially, and also to take a break from studies so that he can enter graduate school with a renewed desire to learn.



Christopher Bachman, Stable Schol. No.153

Christopher is majoring in mechanical engineering at Pennsylvania State University. He plans a career in engineering design and is seeking to strengthen his software skills, as well as deepen his knowledge of materials, stress, and thermal systems. Another goal is to continue extending his community service involvement.



Devin T. Baird, Stable Scholar No. 154

Devin is majoring in mechanical engineering at Utah State University, where he ranked first in his class and group with a 4.0 G.P.A. He is considering pursuing a master's. Current interest is power generation, particularly from alternative and nuclear sources, and he hopes to get an internship in this area.



Caleb R. Barr, Stable Scholar No. 155

Caleb is pursuing a bachelor's in mechanical engineering at Oakland University, with a minor in Japanese. He plans internships at Chrysler and after graduating hopes to lead engineers or research projects advancing the automotive industry. He aims to return to Oakland for a master's in industrial and systems engineering.



Fady Barsoum, Stable Scholar No. 156

Fady is a mechanical engineering major at the University of California, Irvine. He wants to use his expertise to benefit low-income people, especially those in Third World countries. He believes this can be achieved with the same engineering that gives us pocket-sized personal computers and mile-high skyscrapers.



Andrew L. Bodling, Stable Scholar No. 157

Andrew is a mechanical engineering major at the University of Texas at San Antonio, where he tied for first in his class and led his group. He is going to be commissioned in the Air Force as a development engineer. After four years designing smarter things, he plans a career in the automobile industry.



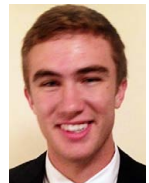
Todd C. Bouws, Stable Scholar No. 158

Todd is majoring in mechanical engineering at Cedarville University. His dream is to work with internal combustion engines, preferably diesels. He wants to develop ways of producing more power and higher efficiencies, while reducing the negative effects of harmful emissions, and may pursue a master's while working in industry.



Benjamin Carmichael, Stable Schol. No.159

Ben is a mechanical engineering major with a 4.0 G.P.A. at the University of Alabama. After gaining a master's he plans to enter industry as a modeling or design engineer, and earn his P.E. He aims to return to school for a doctorate and one of his goals is to be a professor, passing on his experience to the next generation of engineers.



Christopher Creveling, *Stabile Schol. No.160*
Kiffer is majoring in mechanical engineering at the University of Utah, and plans to pursue a master's and a Ph.D. He has been working as an engineer in the maintenance department of a copper mine. He aims to learn as much as possible from his courses, to be on the cutting edge of technology.



Brian G. Gray, *Stabile Scholar No. 166*
Brian is pursuing a B.S. in mechanical engineering at the University of New Hampshire. A high school chemistry teacher showed him that the world in which he lives is created by the people around him, and that he has the ability to change it. So while he does not know his exact direction, Brian does know what motivates him.



Benjamin Hockman, *Stabile Schol. No.172*
Ben is majoring in mechanical engineering at the University of Delaware, where he ranked first in his class and group with a 4.0 G.P.A. He plans to enroll in a Ph.D. program in either aerospace or robotics before embarking on a career. He is drawn towards practical engineering applications and ways he can apply innovative research.



Travis A. Davis, *Stabile Scholar No. 161*
Travis is a mechanical engineering major at the South Dakota School of Mines and Technology. He has been working with NASA on a co-op program and believes that he may transition to a full-time position after graduation. He has also been a temporary wildland firefighter with the Bureau of Land Management.



Robert J. Griffin, *Stabile Scholar No. 167*
Robert is a mechanical engineering major at the Tennessee Technological University, where he ranked first in his class and group with a 4.0 G.P.A. He hopes to work in aerospace as a research and development engineer. He plans to pursue a Ph.D. in that field, and to continue being active in Engineers Without Borders.



Tanvir Jahan, *Stabile Scholar No. 173*
Tanvir is a mechanical engineering major at the City College of CUNY. After graduation, he plans to pursue a Ph.D. at graduate school, or embark upon his career in industry. If Tanvir does join the work force, he will try to study at a nearby university. He was interning at GE this summer.



Jesse A. Diaz, *Stabile Scholar No. 162*
Jesse is majoring in mechanical engineering at Florida State University, where he ranked first in his class and group with a 4.0 G.P.A. He intends to pursue a master's in materials science. Having enjoyed the curiosity that comes with research, he hopes to continue with that, choosing a career in either industry or academia.



Jason D. Guss, *Stabile Scholar No. 168*
Jason is a mechanical engineering undergraduate at Binghamton University, with a minor in biology. He plans to pursue a biomedical master's or Ph.D., to fuse these mindsets and solve medical problems with engineering principles. He expects to have a career in research, industry, a national laboratory, or at a university.



Sarah E. Johnson, *Stabile Scholar No. 174*
Sarah is a mechanical engineering major at the University of Alabama, with a 4.0 G.P.A. Research has been focused on improving the efficiency of alcohol-based engine fuels, particularly on their behavior in cold starts. Her graduate studies will pursue a doctorate in either mechanical or aerospace engineering



Harrison S. Edwards, *Stabile Schol. No. 163*
Harrison is a mechanical engineering major at the University of Nevada, Reno. He has been a tutor and undergraduate research assistant, which he believes benefits himself and others. Also, research requires a form of creativity that cannot be taught in the classroom. He plans to pursue a graduate degree in robotics.



Jessie M. Guthals, *Stabile Schol. No. 169*
Jessie is majoring in mechanical engineering at the South Dakota School of Mines and Technology. She plans to go on to graduate school for a master's in biomedical engineering. As a result of experience recovering from a traumatic knee injury, she will research in biomechanics to help design medical equipment for post-surgery treatment.



Trevor D. Kjellsen, *Stabile Schol. No. 175*
Trevor is a mechanical engineering major at South Dakota State University. He plans to go on for a master's and Ph.D. in biomedical engineering. His aim is to specialize in biomechanics to conduct research for sports/human performance medicine and rehabilitation. As a sports enthusiast, this career would keep him involved throughout his life.



Christine E. Evans, *Stabile Scholar No. 164*
Christine is a mechanical engineering major at the University of Alabama, where she has a 4.144 G.P.A, and is TBPi President. She is interested in appropriate technology, and is using her knowledge and resources to improve people's lives. She is spending this summer interning and working on projects with Student.Go in Kenya.



John P. Harrington, *Stabile Scholar No.170*
John is studying mechanical engineering at the Rochester Institute of Technology. He plans to complete his master's next spring, and begin working for an automotive or aeronautical company. Ambitions for the more distant future include gaining an M.B.A. and learning the skills to open his own business.



Matthew J. Krott, *Stabile Scholar No. 176*
Matthew is majoring in mechanical engineering at Pennsylvania State University, where he ranked top of his class and group with a 4.0 G.P.A. He plans to pursue graduate studies with a focus on aerospace studies or dynamics. He would like to work on a research project with military applications.



Kay B. Freckleton, *Stabile Schol. No.165*
Beau is a mechanical engineering undergraduate at the University of Utah. Future plans include pursuing a graduate degree in mechanical engineering robotics, and he is already helping to develop landing gear for small agricultural helicopters. He will use his skills to support the family that he hopes to start



Nicholas C. Hensel, *Stabile Schol. No. 171*
Nicholas is a mechanical and electrical engineering major at the Rochester Institute of Technology, where he maintains a 4.0 G.P.A. He plans to transition into graduate school on the way to a doctorate, and will decide his academic focus when he completes his B.S. He is also looking at the Fulbright Fellowship Program.



Ina A. Kundu, *Stabile Scholar No. 177*
Ina is a mechanical engineering and mathematics undergraduate at the University of Arizona, where she ranked first in her class and group with a 4.0 G.P.A., and is a TBPi President. She plans on graduate school, and hopes to be an engineering professor to merge her two passions—teaching and research.



Kyle K. Mackay, *Stabile Scholar No. 178*
 Kyle is majoring in mechanical and aerospace



engineering and Spanish at Utah State University. He plans to go on to graduate school and focus on fluid mechanics or materials science. Then he hopes to join a national laboratory or private aerospace company, and pursue a Ph.D. on the way to a research university post.

Charles Mccullough, *Stabile Schol. No.179*
 Charles is a mechanical engineering major at the



University of Alabama, with a 4.0 G.P.A. He is taking a music minor and plays the trumpet. He plans to go on for a master's focused on thermal systems, or to join the work force. His aim is to work in power generation or on design and testing of space rockets.

Haley J. McKee, *Stabile Scholar No. 180*
 Haley is a mechanical engineering major at the



University of Kansas, where she has been taking part in spine biomechanics research. This produced an artificial spine which will help in testing devices to correct scoliosis in children. She plans to pursue a master's and continue expanding her understanding of the human body.

Kyle J. Nible, *Stabile Scholar No. 181*
 Kyle is a mechanical engineering major at the



South Dakota School of Mines and Technology. After graduating, and gaining his Six Sigma Greenbelt Certificate, he hopes to find an entry-level engineering position in a company that will allow him to grow and learn, both as an individual and as a professional engineer.

Karen Nielson, *Stabile Scholar No. 182*
 Karen is a mechanical and aerospace engineering major at Utah State



University. She plans to study for a master's. Her goal is to achieve a doctorate in the thermal-fluids field. Then she plans to become a professor, teaching the next generation of engineers, and researching into renewable energy.

Stephen O'Flynn O'Brien, *Stabile Sch. 183*
 Stephen is a mechanical engineering major at the



University of North Carolina at Charlotte, where he ranked first in his class and group with a 4.0 G.P.A. He plans to pursue a technical career and a master's in the nuclear power industry, either by enrolling in the Naval nuclear officer school, or by joining a

power utility.

James M. Pallardy, *Stabile Schol. No. 184*
 James is majoring in mechanical engineering at



Montana State University. He plans to work in aerospace engineering, and has already spent a summer with GE Aviation, where he hopes to join a three-year graduate development program. This would lead to a master's degree to be one of the next generation of aviation designers.

Samantha Pettus, *Stabile Schol. No. 185*
 Sami is a mechanical engineering undergraduate



at the University of Colorado at Boulder. She is keeping her postgraduate options open. Research has made her interested in battery technology, specifically in anodes made from nano-silicon. She will look for opportunities in both industry and graduate school.

Anh T.H. Pham, *Stabile Scholar No. 186*
 Anh is majoring in industrial engineering at the



South Dakota School of Mines and Technology, where she ranked first in her group. Her aim is to enter a graduate program researching rural or urban transportation. She has been working on a project collecting data on tourist movements around the Black Hills.

Bethany S. Powell, *Stabile Schol. No. 187*
 Bethany is majoring in mechanical engineering at Valparaiso University.



Her ultimate goal is to serve humanity through technology. Research has involved studying shoes and the gait cycle. These will fit in with her graduate school plans for research in biomedical/ biomechanical engineering.

John Prato Matthews, *Stabile Sch.No. 188*
 John is pursuing a mechanical engineering B.S.



and a master's in engineering science at the University of the Pacific. He is also a Division 1 baseball athlete, and has been researching water infiltration on baseball fields to improve the drying rate. He may be drafted to play professionally and would complete his

degrees in the off-season.

Neola G. Putnam, *Stabile Scholar No. 189*
 Neola is a mechanical engineering major at



Cedarville University. She plans to join the aerospace industry, hopefully on a professional development program at Boeing, where she has been interning. Her plan is to pursue a master's once she has found out the area best suited to her interests and skills.

Nathan M. Robert, *Stabile Schol. No. 190*
 Nathan is majoring in mechanical engineering at



the Massachusetts Institute of Technology. He hopes to stay there for graduate school, both in Mech.E., and in the technology and policy program, to understand the business and political side of engineering. He is planning internships to get as much industrial experience as possible.

Thomas P. Rogers, *Stabile Schol. No. 191*
 Thomas is pursuing a bachelor's in mechanical



engineering at Clarkson University, where he has a 4.0 G.P.A. His interests include robotics, nuclear energy, thermodynamics and heat transfer. He expects to pursue a graduate degree in either mechanical, electrical, or nuclear engineering.

Najmus Saqib, *Stabile Scholar No. 192*
 Najmus is majoring in mechanical engineering at



the University of Alaska Fairbanks, where he ranked first in his class and group with a 4.0 G.P.A. Graduate school plans include advancing into fields like nanotechnology and thermodynamics. He then hopes to join the work force in the U.S., his home country Bangladesh, or elsewhere.