The Soderberg Scholarship made recent gifts to sponsor the Campbell scholarships. Placed in the Dodson Scholarship/Fellowship Fund, its earnings should support the program in perpetuity. This eighth group of Scholars in this popular program brings the total to 544.

The Nagel Scholarships are given in honor of former Secretary-Treasurer Emeritus R.H. Nagel, P.E., NY A’39. Named Editor of THE BENT in 1942, he became Secretary-Treasurer and Editor in 1947 and served until 1982.

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 Nagel Scholarships are sponsored by Charles R. Nagel, NY A’49, whose gift made to the society in 1999 permanently endows this award.

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

The Dodson Scholarships are sponsored by Charles R. Dodson, MD B’30, who made a generous gift to TBI in 1998. Placed in the Dodson Scholarship/Fellowship Fund, its earnings should support the program in perpetuity.

The Stable Scholarship is named for Vincent A. Stabile, NY A’70, whose gift made to the Society in 1999 permanently endows this award.

The Scribner Scholarships are named for A. Clayton Scribner, NY A’29, whose gift to the Association in 2003 permanently endows this award.

General Motors made a gift in 2005 to sponsor the fourth GM Scholarship.

The Winkler Scholarships are named for Albert H. Winkler, AZ B’75, who left a bequest to the Society in 2004 sufficient for 10 scholarships during five years.

The Mentor Scholarship is given in honor of “Te Ram Bi Ta Zo,” who influenced James P. Tarwater, MO B’51.

The Alford Scholarship is named for Henry M. Alford, MS A’27, who left a bequest to the Association in 2005 sufficient to endow this award permanently.

The Distinguished Alumnus Scholarship is named for Dr. H. Vincent Poor, AL A’72, who was recognized at the 2005 Convention.

The Quigley Scholarship is named for John J. Quigley, PA Z’58, who left a bequest to the Society in 2005.

**Tau Beta Pi Names 123 Scholars for 2006-07**

HE TAU BETA PI FELLOWSHIP BOARD announced the selection of 123 Tau Beta Pi Scholars from 251 applicants for undergraduate study during the 2006-07 academic year. Each winner will receive a cash award of $2,000 for his or her senior year of engineering study. Scholarships are awarded to members on the competitive bases of high scholarship, campus leadership and service, and promise of future contributions to the engineering profession, with consideration given to economic need and academic commitment. This eighth group of Scholars in this popular program brings the total to 544.

**The Nagel Scholarships** are given in honor of former Secretary-Treasurer Emeritus R.H. Nagel, P.E., NY A’39. Named Editor of THE BENT in 1942, he became Secretary-Treasurer and Editor in 1947 and served until 1982.

**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 Nagel Scholarships are sponsored by Charles R. Nagel, NY A’49, whose gift made to the society in 1999 permanently endows this award.

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

**The Dodson Scholarships** are sponsored by Charles R. Dodson, MD B’30, who made a generous gift to TBI in 1998. Placed in the Dodson Scholarship/Fellowship Fund, its earnings should support the program in perpetuity.

**The Stable Scholarship** is named for Vincent A. Stabile, NY A’70, whose gift made to the Society in 1999 permanently endows this award.

The **Scribner Scholarships** are named for A. Clayton Scribner, NY A’29, whose gift to the Association in 2003 permanently endows this award.

**General Motors** made a gift in 2005 to sponsor the fourth GM Scholarship.

The **Winkler Scholarships** are named for Albert H. Winkler, AZ B’75, who left a bequest to the Society in 2004 sufficient for 10 scholarships during five years.

The **Mentor Scholarship** is given in honor of “Te Ram Bi Ta Zo,” who influenced James P. Tarwater, MO B’51.

The **Alford Scholarship** is named for Henry M. Alford, MS A’27, who left a bequest to the Association in 2005 sufficient to endow this award permanently.

The **Distinguished Alumnus Scholarship** is named for Dr. H. Vincent Poor, AL A’72, who was recognized at the 2005 Convention.

The **Quigley Scholarship** is named for John J. Quigley, PA Z’58, who left a bequest to the Society in 2005.

**Heather B. Mayes, Nagel Scholar No. 23**

Heather is in the chemical engineering program at the University of Illinois at Chicago. She chose engineering after two years of diverse coursework. An internship at Argonne National Laboratory fueled her interest in energy. She plans to earn a master’s degree and work in the energy industry, where she sees a strong need for safe, environmentally friendly energy.

**Megan B. Nix, Nagel Scholar No. 24**

Megan is earning a B.S.E.E. at the University of California, Riverside. She studied nanoelectronics and nano-electro-mechanical systems, particularly as they apply to space exploration. Her senior-design project relates to an autonomous contaminant sensing and tracking robot, and she has performed research for NASA’s Jet Propulsion Laboratory.

**Travis W. Walker, Nagel Scholar No. 25**

Travis is finishing his chemical engineering degree at the South Dakota School of Mines and Technology. He plans to begin research in the polymer field and continue it until graduation with a biochemical engineering emphasis and a mathematics minor. He did cooperative educational work with Cargill Eddyville in Iowa and completed research in Mongolia Ulaanbaatar.

**Daniel J. Johnson, Dodson Scholar No. 18**

Daniel is working toward a B.S.M.E. at the University of California, Santa Barbara. A longstanding interest in aerospace continues to propel his career plans. While in the honors program, he intends to enroll in graduate courses, including fluid mechanics. He has found engineering internships to be a valuable compliment to his studies.

**Brian P. Kirk, Dodson Scholar No. 19**

Brian is studying chemical engineering at the University of Southern California. Thanks to the ROTC program, he plans to enter the United States Navy as a commissioned officer, possibly entering the field of nuclear propulsion as a submarine warfare officer. After leaving the navy, he would pursue a graduate degree, specializing in environmental cleanup of contaminated sites.

**C.E. McAllister, Dodson Scholar No. 20**

Cameron is in the industrial and systems engineering program at the University of Southern California. She completed a project in human factors issues in U.S. Air Force fighter-plane cockpits and will continue research in human factors. After graduating, she will focus her studies in operations research as applied to aerospace industries.
Kat is a mechanical engineering major at the Colorado School of Mines. She plans to finish her research on the tibia’s relationship to the knee’s flexion-extension axis. She went to Brazil as part of the McBride honors program. Her post-graduate work may combine bioethics, biomechanics, and rehabilitation engineering.

Lauren C. Culver, Campbell Sch. No. 9
Lauren is a materials science and engineering major at the University of Florida. She plans to work with both the science and engineering of polymers, studying their behavior and learning how to improve their properties. She enjoys inspiring young girls to consider entering the engineering profession.

Heather M. Latham, Campbell Sch. No. 10
Heather is a chemical engineering major at the University of South Florida. She plans to pursue a master’s degree in biomedical engineering while pursuing internships. Her ultimate goal is to begin working in a production branch of a pharmaceutical company and fulfill her desire to benefit the lives of others.

Andrew J. Nelson, Campbell Sch. No. 11
Andrew is a materials engineering major at Iowa State University, with a specialization in metals and electronics. He plans to minor in nondestructive evaluation and mathematics. He will extend his education by a year to achieve a concurrent master’s degree. Caterpillar, Inc., has offered a summer internship to him.

Sarah M. Steinmetz, Campbell Sch. No. 12
Sarah is a mechanical engineering major at the University of Central Florida. She has been accepted into the honors program and will be conducting research into the effects of functional stimulation on a muscle when used for controlling a pendulum. Her plans to do graduate work in biomedical studies.

April is a biomedical (biomechanics) engineering major at Syracuse University. Her course of study combines her dual interests in engineering and dentistry, possibly culminating in a D.D.S./Ph.D degree. She is particularly interested in the use of biomaterials in reconstructive and cosmetic applications.

Jonathan C. Hill, Ala. Power Co. Sch. No. 6
Jonathan is a mechanical engineering major at Auburn University. In addition to completing all of his required classes, he plans to take the business courses that will qualify him to pursue a graduate degree in business. He is a member of ASME, Pi Tau Sigma, Phi Kappa Phi, and Alpha Lambda Delta honor societies.

Jacqueline L. Luk, Fluor Scholar No. 6
Jackie is a civil engineering major at the University of California, Berkeley. She is focusing on general civil engineering, water resources, and land surveying. Her goal is to practice her profession to the highest standards and to serve such nonprofit entities as Habitat for Humanity. She is a member of ASCE.

Meaghan E. Faraca, Scribner Sch. No. 4
Meaghan is an industrial and management engineering major at Rensselaer Polytechnic Institute. She wants to tap into the vast potential of the diversity of material-handling technologies to improve operations of logistical and production systems. In graduate school, she will focus on manufacturing logistics.

Judd B. Rattner, Scribner Scholar No. 5
Judd is pursuing degrees in electrical engineering and management at Rensselaer Polytechnic Institute. He plans to obtain a master’s degree in both disciplines. He has supplemented his classwork with an internship at General Motors as well as extensive volunteer work. He aspires to become a systems engineer.

Matthew D. Stuber, Mentor Sch. No. 3
Matthew is a chemical engineering major at the University of Minnesota-Twin Cities. He is interested in expanding the current body of knowledge concerning polymers and fluids. In support of that, he has pursued a position at the Bioinformatics Summer Institute and hopes to earn a graduate degree at MIT.

Megan E. Dagate, Alford Scholar No. 1
Megan is a mechanical engineering major at Louisiana Tech University. She plans to earn a master’s degree in business administration. She has worked at Gulf Island Fabrications, Inc., and ExxonMobil. She has been described by faculty and employers alike as a confident, energetic, and capable performer.

Brian J. Downs, H.V. Poor Scholar No. 1
Brian is a chemical engineering major at Auburn University with a minor in business. He is exploring ways to expand his knowledge of chemical engineering and connect with the national community. To this end, he is learning a second language and is seeking positions with international aspects.

Jeffrey A. Seguritan, Quigley Sch. No. 1
Jeffrey is majoring in both bioengineering and economics at the University of Pennsylvania. His concentration is in healthcare management and policy. He is open to continuing bioengineering research, but finds that strategic consulting interests him, particularly relating to disruptive and mature technologies.
S.J. Anderson, Record Scholar No. 129
Sterling is a mechanical engineering major at Brigham Young University. He plans to do post-graduate work at MIT and pursue a career in materials engineering and metallurgical analysis. He intends to improve materials and production processes in aerospace, defense, and power-generation industries.

J.R. Arsenault, Record Scholar No. 130
James is a mechanical engineering major at Norwich University. He is interested in a turbo machine elective and will likely fulfill a long-held dream by participating in SAE Mini Baja. He will attend graduate school after possibly taking a break to work in his field. James has been praised by faculty for his ingenuity.

J.R. Bradley, Record Scholar No. 135
Kyle is an electrical engineering major at Tufts University. He is interested in two fields: signal processing and power generation. He hopes to attend a graduate school that offers both concentrations. He plans to intern at MIT Lincoln Laboratories and enter a master’s program immediately after graduating.

J.R. Bradley, Record Scholar No. 136
James is a computer engineering major at the University of Utah and is earning a minor in Japanese. Robotics interest him, and he will take part in developing a cell-phone and web-based home automation system with fellow students. He has already conducted web-based development for drug-testing companies.

J.E. Bedenbaugh, Record Scholar No. 131
John is a chemical engineering major at the University of South Carolina honors college. He hopes to conduct graduate research in the area of alternative energy. An NSF research experience for undergraduates sparked a strong interest in fuel cells. He is in Tau Beta Pi, Omega Chi Epsilon, and Phi Beta Kappa.

Iulia R. Berry, Record Scholar No. 132
Iulia is a civil engineering major at Lawrence Technological University. Her senior internship plans include structural engineering work. Her senior project will involve the 2007 ASCE national steel-bridge competition. After graduation, she plans to work in her field and obtain her professional licensure.

J.J. Bialkowski, Record Scholar No. 133
Josh is an aerospace engineering major at the Georgia Institute of Technology. In the next three years, he hopes to study in France, earn a master’s degree, and begin his aerospace career. France’s place in the aerospace industry is unique, and Josh wants to study it in addition to the NASA-driven approaches.

J.R. Clanton, Record Scholar No. 139
John is seeking a dual major in mechanical and aerospace engineering with a minor in materials science at the University of California, Irvine. He is gaining experience as an undergraduate research assistant in the national fuel-cell research center on campus. He is a member of Tau Beta Pi and Pi Tau Sigma.

A.R. Boeglin, Record Scholar No. 134
Alex is an electrical engineering major at the University of Rhode Island. He intends to finish his coursework and intern with an engineering professor. His other passion is representing the U.S. at international skating competitions. He is a member of Tau Beta Pi and Phi Kappa Phi honor societies.

P. Chandrasekar, Record Scholar No. 137
Priyanth is an electrical engineering major at the University of Maine. Instinctively drawn to software and hardware, he wants to see computer technology become more educational and user interactive, rather than simply “making our lives easier.” He sees technology as a path for eliminating communication barriers.

C.Y.Y. Chung, Record Scholar No. 138
Charlotte is seeking a dual major in biomedical and chemical engineering at Johns Hopkins University. She is studying which aspects of biology and chemistry can be applied to fields like tissue engineering and controlled drug-delivery systems. She will attend medical school and continue her study of the violin.

J. Culic-Viskota, Record Scholar No. 143
Jelena is a chemical and biological engineering major at Polytechnic University. She hopes to write her undergraduate thesis on the subject of biosensors. President of the New York Rho Chapter, she is involved in a project to produce the world’s most sensitive biosensor, capable of detecting a single viral particle.

R.W. Davis III, Record Scholar No. 144
Ron is a civil engineering major at Michigan State University. He plans to study in Russia during the summer. He hopes to begin graduate school and continue blending academic and non-academic challenges. He is active within his church parish and is a football enthusiast. He is President of TBIH’s Michigan Alpha Chapter.

R.M. Condie, Record Scholar No. 150
Russell is a biomedical engineering major at the University of Utah. His ambition is to develop artificial hearts or engineer tissue to alleviate the severe shortage of implants. A volunteer, he has sought research experience in the area of cardiovascular tissue engineering and will continue seeking more experiences.

E.J. Dawley, Record Scholar No. 145
Evan is an electrical engineering major at Oakland University. During an internship at General Dynamics Land Systems, he became intrigued by that company. He is weighing his options as he considers his post-graduate plans. Outstanding in class, his interests include performing piano, organ, and percussion.

C.M. Degen, Record Scholar No. 146
Cassandra is a metallurgical engineering major at the South Dakota School of Mines and Technology. She has published on the subject of modifying A606 magnesium alloy die-cast surfaces by friction-stir processing. She has performed volunteer work with a children’s home and a K-12 outreach program.

K.J. Corman, Record Scholar No. 111
Kyle is a mechanical engineering major at California Polytechnic State University, San Luis Obispo. He is minoring in mathematics and interning at Lockheed Martin with ambitions to work in the mechanisms design group. His ultimate goal is to work for the firm's space systems company. He is a member of the ASME.
Yan Dong, Record Scholar No. 117

“Julie” is a biological engineering major at Case Western Reserve University. A curiosity about biomedical engineering has become an academic passion. She hopes to compile her undergraduate research into a paper for publication and then begin graduate school. She enjoys community service and piano studies.

J. Ehrhardt, Record Scholar No. 148

Jennifer is a chemical engineering major at Villanova University. She plans to pursue an internship while considering her options for an area of concentration and a master’s program. A member of the AIChe and SWE, she remains active with the Girl Scouts and is an officer in the university band.

C.A. Ekholm, Record Scholar No. 149

Corie is a chemical engineering major at the University of Minnesota, Duluth. She has been exploring the different areas within chemical engineering and accepted an opportunity to do research on particle-separation techniques. She will intern at the Blandin Paper Company and begin investigating graduate schools.

J.D. Engel, Record Scholar No. 150

Josh is an electrical engineering major at Brigham Young University. He performed research into the effects of the space-radiation environment on reconfigurable devices on satellites and how to mitigate errors caused by charged-particle interference. He is a member of Tau Beta Pi and Eta Kappa Nu.

J.R. Evans, Record Scholar No. 151

Jon is a mechanical engineering major at the University of Utah. He is interested in studying solid mechanics/strength of materials. His schoolwork will be supplemented by extensive work study and internships. He is a member of Tau Beta Pi and Pi Tau Sigma honor societies and enjoys tutoring others.

J.K. Ferlas, Record Scholar No. 152

Jonathan is a mechanical engineering major at Kansas State University. He is a member of the American Society of Mechanical Engineers. He has volunteered for Habitat for Humanity and the YMCA Starz tutoring program. He earned the rank of Eagle Scout. He is weighing his academic and career options.

N.M. Frenz, Record Scholar No. 153

Natalie is an aerospace engineering major at the University of Missouri-Rolla. She is a member of numerous professional and honorific organizations and serves as vice president of the Society of Women Engineers. Upon graduation, she hopes to work in her field for a year before returning to do post-graduate work.

A.L. Frith Jr., Record Scholar No. 154

Alfred is a mechanical engineering major at the Georgia Institute of Technology. He believes more advanced power systems can dramatically stabilize energy consumption throughout the world. He wants to be part of collective research efforts focused on establishing energy independence in the future.

B.J. Gabrielse, Record Scholar No. 155

Brad is a computer engineering major at Marquette University. Four internships at GE Healthcare have allowed him to put his schoolwork into practice. He hopes to do work in Guatemala for Engineers Without Borders. He is a member of Tau Beta Pi, Pi Mu Epsilon, Eta Kappa Nu, and other honor societies.

J. Ehrhardt, Record Scholar No. 156

Nicole M. Gaffney, Record Scholar No. 156

Nicole is an industrial engineering major at the South Dakota School of Mines and Technology. Through experience such as an internship with Hormel Foods, she has learned that efficiency is key in her field. Using her talents, she hopes to balance a career in manufacturing with coveted family and church plans.

D.E. Gagnon, Record Scholar No. 157

David is pursuing dual degrees in electrical engineering and music at Virginia Polytechnic Institute & State University. He has studied in Vienna, Austria. A member of the Audio Engineering Society, he is considering audio engineering, electronics design, and architectural engineering as venues for his dual interests.

N.R. Goulding, Record Scholar No. 163

Nathan seeks dual degrees in EE and CS at New Mexico Institute of Mining & Technology. In a summer program at Los Alamos, he will study manufacturing process modeling. An experience teaching a freshman seminar has sparked his interest in teaching. He plans to pursue a master’s degree and professional licensure.

D.F. Garcia, Record Scholar No. 159

Danielle is pursuing dual degrees in chemical engineering and Spanish at the New Mexico State University. She views her undergraduate research work in bioengineering as excellent preparation for graduate work in such areas as pharmaceuticals and tissue engineering. She is active in multiple organizations.

Troy A. Gist, Record Scholar No. 160

Troy is a chemical engineering major at the University of Minnesota, Duluth. Plans include an eventual Ph.D., but, for now, his classwork and co-op work are his first priorities. He belongs to Tau Beta Pi, the American Institute of Chemical Engineers, and the National Society of Professional Engineers.

S.M. Gorton, Record Scholar No. 161

Sam is a chemical engineering major at Clarkson University. Electives in molecular biology, biochemistry, and biochemical engineering are vital to his goal of developing sustainable methods for farming. His research and field training were augmented by work with Engineers Without Borders on a reservation.

S.J. Grainger, Record Scholar No. 162

Stephanie is a chemical engineering major at the University of New Hampshire. A summer internship at Rohm & Haas Electronics Materials will let her apply what she has learned about reducing waste and conserving energy. She hopes to study cell and tissue engineering for use in pediatric medicine.

A.T. Grajkowske, Record Scholar No. 164

Adam is pursuing a dual major in computer science and mathematics at the South Dakota School of Mines and Technology. An experience with the NASA workforce development program triggered his interest in aeronautics. He plans to pursue the field through graduate school and make it his career.
H.R. Grimes, Record Scholar No. 165
Hartley is a civil engineering major at North Carolina State University. Schoolwork in bridge design still lies ahead, but his real passion is for designing buildings. He is getting a head start by taking graduate courses as a senior. He is a member of Tau Beta Pi, Phi Kappa Phi, and Chi Epsilon honor societies.

J.C. Gwilliam, Record Scholar No. 166
Jim is a biomedical engineering major at the University of Utah. He hopes to continue and expand his current research in graduate school. He is searching for graduate programs that encompass his particular areas of interest: neuroprosthetics and neuroscience. He is a member of the Biomedical Engineering Society.

B.C. Hansen, Record Scholar No. 167
Bradley is a mechanical engineering major at the University of Utah. He plans to minor in mathematics and to pursue bioengineering as far as possible at the Ph.D. level. He has performed volunteer work for a local cancer-wellness house, served as a missionary in Finland, and built a home for a family in Reynosa, Mexico.

R.R. Harmer, Record Scholar No. 168
Rob is an aeronautical engineering major at Western Michigan University. His summer plans include interning with an auto maker in Detroit. He is particularly interested in studying fluid-dynamics, structural dynamics, orbital mechanics, and guidance and control. He is a Habitat for Humanity volunteer.

E.B. Heller, Record Scholar No. 169
Ethan is a mechanical engineering major at Tufts University. He plans to focus on the design aspect of robotics and mechatronics in his senior project. His internship prospects include GE, Gillette, Lockheed Martin, and Bose. He is active in Tau Beta Pi and plays in the university pep band and wind ensemble.

D.J. Herman, Record Scholar No. 170
David is a materials science and engineering major at Cornell University. During his senior year, he plans to continue research into organic photovoltaics—solar cells made of organic molecules rather than silicon. His international outlook is reflected in his study of Mandarin Chinese and German.

Justin C. Hill, Record Scholar No. 171
Justin is an electrical engineering major at the South Dakota School of Mines and Technology. He hopes to intern with industrial leaders such as Ball Aerospace, Lockheed Martin, or ITT Technologies. His graduate studies could include transitioning to a biomedical engineering program at Johns Hopkins University.

R.A. Hulett, Record Scholar No. 172
Rachel is an electrical engineering major at Louisiana Tech University. Her plans include internships at mills, power plants, or other companies. Her focus in graduate school will be on power systems. She is a member of Tau Beta Pi andEta Kappa Nu and is vice president of Pi Mu Epsilon honor society.

A.D. Kanelakos, Record Scholar No. 178
Alex is an aerospace engineering major at Wichita State University. This summer marks his fifth internship at Johnson Space Center where he sat on console at mission control. His plans include studies of astrophysics, aero-physics, and metrology as they relate to proposed explorations of the planet Mars.

C.M. Jensen, Record Scholar No. 174
Cathryn is a biomedical engineering major at the Catholic University of America. Her summer will be spent in Sydney, Australia, doing work related to her major. Next year, she plans to work on a robotic rehabilitation study at the National Rehabilitation Hospital. She enjoys playing intramural soccer.

A.H. Kormanos, Record Scholar No. 181
Alex is a civil engineering major at Norwich University. He has interned at Edwards and Kelcey, learning about the airport-engineering trade. He is seeking an internship involving geotechnical or environmental engineering. Upon graduation, his goal is to receive a commission in the Navy's civil engineer corps.

Ryan P. Kane, Record Scholar No. 177
Ryan is a mechanical engineering major at the Georgia Institute of Technology. He plans on taking the LSAT this summer in anticipation of a future law degree and work as a patent attorney. A summer internship is upcoming at Dow Corning. He is a member of Tau Beta Pi, Mu Alpha Theta, and Pi Tau Sigma.

J.L. Kopczynski, Record Scholar No. 180
Jesse is a civil and environmental engineering major at Virginia Military Institute. He will complete his degree, receive a commission as a second lieutenant, undergo training as an army engineer, seek top-secret security clearance, start his engineering career, and eventually earn a master's degree.

Kyle J. Kattke, Record Scholar No. 179
Kyle is a mechanical engineering major at the South Dakota School of Mines and Technology. He is concentrating on solid mechanics and thermo-fluid sciences. His interest in competitive running has triggered a shift towards biomechanical engineering. He is a member of the American Society of Mechanical Engineers.

Beenish Javed, Record Scholar No. 173
Beenish is a biomedical engineering major at City College of CUNY. She plans to undertake research opportunities in a hospital or research institution. Her principle areas of interest are orthopaedics and biomechanics. She is a member of the Biomedical Engineering Society and is active in Women in Islam.

Ryan P. Lareom, Record Scholar No. 182
Patrick is a mechanical engineering major at the University of Vermont. He hopes to secure a spot in General Electric Aviation's Edison engineering development program and eventually obtain a graduate degree from MIT. A volunteer and fundraiser for charity, he once won NASA's great moon buggy race.
Roman Lenner, Record Scholar No. 182
Roman is a civil engineering major at the Citadel, the military college of South Carolina. He plans to spend the summer working for the highway department in the Czech Republic and do survey work in Vologda, Russia. He is a member of Tau Beta Pi and Phi Kappa Phi honor societies.

Brian is pursuing dual degrees in electrical and B.J. Meagher is an architectural engineering major at South Carolina. He plans to spend time traveling throughout Europe.

M.P. Lyndoe, Record Scholar No. 184
Matt is a metallurgical engineering major at the South Dakota School of Mines and Technology. He plans to join a metallurgical company and start a family. He played varsity basketball for three years.

Rahul Malik, Record Scholar No. 186
Rahul is a materials science and engineering major at Cornell University. His upcoming physics and engineering coursework will be rigorous. He plans to intern at either Harvard or a leading technology company. He enjoys playing jazz and classical piano and hopes to spend time traveling throughout Europe.

L.M. Matchulat, Record Scholar No. 187
Lisa is an architectural engineering major at the University of Kansas. Past internships gave her experience with project management, including bid preparation and purchasing. Her next one will provide job-site experience. She plans to do graduate and career work relating to the behavior of structures.

B.J. Meagher, Record Scholar No. 188
Brian is pursuing dual degrees in electrical and mechanical engineering at Old Dominion University. He intends to focus on the design emphasis in the M.E. curriculum and on systems and signals in the E.E. program. His senior project is to design an unmanned aerial vehicle. He plans to begin graduate study this year.

J.M. Mercer, Record Scholar No. 189
Justin is a mechanical engineering major at Youngstown State University. His plans involve learning from experience, as well as in class. His co-op rotation at First Energy Corporation may lead to a permanent position. He is considering other options, including the master's program at Case Western University.

D.P. Merchant, Record Scholar No. 190
Daniel is a geophysical engineering major at Montana Tech of the University of Montana. He will graduate with a minor in business administration. After completing an internship at Occidental Petroleum and finishing his degree, he plans to enter the workforce as a full-time geophysical engineer.

M.T. Mihnev, Record Scholar No. 191
Momchil is an electrical engineering major at Polytechnic University. He has combined academic courses with hands-on lab experience and research work into such areas as bio-sensing technology. Research is particularly interesting to him, and he hopes to continue it in graduate school and beyond.

Owen D. Miller, Record Scholar No. 192
Owen is pursuing dual degrees in electrical engineering and physics. Currently, he is doing research on theoretical models of device transport. He is doing research work with the Mitre nanosystems group, which may figure into his senior thesis. He is learning Mandarin Chinese and enjoyed a recent trip to Taiwan.

K.A. Munson, Record Scholar No. 193
Kathleen is a civil engineering major at Manhattan College. She is interning with a local firm and hopes to continue there throughout her senior year. She plans to obtain her graduate degree while working full-time, and then earn her professional engineer's license. She is active in the American Society of Civil Engineers.

C. Nakornchai, Record Scholar No. 194
Charlota is a chemical engineering major at the Massachusetts Institute of Technology. A research project on the transport phenomena of proteins through the synthetic analog of kidney-cell membranes will be the focus of her senior project. After she earns a graduate degree, she plans to enter the workforce.

Win Pin Ng, Record Scholar No. 195
Win Pin is a biomedical engineering major at Johns Hopkins University. She is exploring deeper connections between her research work and her classroom knowledge of molecular interactions and diffusion. She hopes to do her graduate work at her alma mater and is active in volunteer work, particularly with children.

K.A. Pacifique, Record Scholar No. 197
Kerwin is a systems and computer science major at Howard University. He is teaching himself the C# programming language outside of class. He has been offered a year-long position at Microsoft as a software design engineer and hopes to attend graduate school at Cornell University, focusing on distributed systems.

S.N. Panzer, Record Scholar No. 198
Sarah is an electrical engineering major at North Dakota State University. She wants to graduate with a biomedical emphasis and then serve in the Peace Corps. She has helped to develop a device to aid weakened hearts. She sharpened her work ethic by playing on her school's highly competitive Division 1 soccer team.

R.M. Parkinson, Record Scholar No. 199
Ryan is a computer engineering major at Brigham Young University. His ultimate goal is to start a successful technical corporation. In preparation for that, he plans to earn a joint M.B.A. and electrical engineering degree. He has started a growing real-estate management company while still in college.

M.E. Payne, Record Scholar No. 200
Megan is a biomedical engineering major at the Catholic University of America. She plans to make a mission trip to Panama and then pursue an internship. She will continue in campus ministry and volunteer as a tutor for inner-city kids. She hopes to serve in Teach America and study to become a physician's assistant.
William A. Pfeil, Record Scholar No. 201
Andy is an electrical & computer engineering major at Worcester Polytechnic Institute. Computer graphics and animation comprise his primary areas of interest. After working on two summer projects, he will spend his senior year refining his computer science and math skills. He is in Tau Beta Pi andEta Kappa Nu.

M.L. Posey, Record Scholar No. 202
Matthew is an electrical engineering major with a specialization in power systems at the University of Alaska Fairbanks. After graduation, he plans to work in the utility industry, which he sees as vital to the country’s future. He plans to encourage high-school students to consider the engineering field.

R.M. Pulliam, Record Scholar No. 203
Raeven is a mechanical engineering major at the Virginia Military Institute. She is conducting research into the areas of inefficiency on a SR-30 turbojet engine, a project which may become the focus of her senior year. She is seeking a summer position at NASA, where she hopes to find a permanent position.

C.R. Ratto, Record Scholar No. 204
Chris is an electrical engineering major at the Catholic University of America. Interested in cello and engineering, he hopes to design a senior project that has application to the recording industry, as well as military and telecommunications application. He is the Vice President of Tau Beta Pi’s DC Beta Chapter.

S.C. Roberts, Record Scholar No. 205
Steven is an electrical engineering major at Brigham Young University. He plans to work two internships and then pursue a master’s degree in his field as well as an M.B.A. He intends to learn Mandarin Chinese to an intermediate level. After that, he will devote himself to starting a career and a family.

J.W. Ryan, Record Scholar No. 206
James is a mechanical engineering major at the University of Wisconsin–Milwaukee. He plans to explore new disciplines through internships. Upon graduation, he will enroll in an M.S. engineering management program while working as a full-time engineer. He is active in the Society of Automotive Engineers.

Kaori Sakai, Record Scholar No. 207
Kaori is pursuing dual degrees in mechanical engineering and physics at Lawrence Technological University. She participates in the solar decathlon project on campus, working four of the 10 sections comprising competition, and was instrumental in forming the local Society of Physics Students. She plans to teach.

Vivek Saxena, Record Scholar No. 208
Vivek is a mechanical engineering major at the University of North Carolina at Charlotte. After graduation, he intends to begin a master’s program and, ultimately, earn a Ph.D. in the field of mechanical engineering with a focus on vibration and other dynamic systems. He belongs to numerous honor societies.

S.C. Sizer, Record Scholar No. 211
Stephen is a biomedical engineering major at the Catholic University of America. He hopes to intern in a hospital before graduating and then attend medical school. He is fascinated by the problem-solving process and its application to biomedical challenges. He plays rugby, football, and other sports.

I.B. Tatarintsev, Record Scholar No. 217
Igor is a mechanical engineering major at the University of Pittsburgh. He intends to base his senior-design project on a task provided by a biomedical company. He is an Eagle Scout and is striving to ensure the continued quality of his home troop. He has performed volunteer service at a local hospital.

R.M. Staab, Record Scholar No. 213
Ryan is a mechanical engineering student at the University of Wisconsin–Platteville. His plans include a graduate degree. He is president and founder of the local Engineers Without Borders chapter, a member of Pi Tau Sigma, Alpha Lambda Delta, andPhi Eta Sigma, and President of the Wisconsin Epsilon Chapter.

Ryan J. Staab, Record Scholar No. 214
Dusan is an electrical and computer engineering major at Youngstown State University. He has completed internships at U.S. Steel Corporation and plans to obtain a master’s degree. He is president of the local chapter of the Institute of Electrical and Electronics Engineers and, when in Serbia, serves in the Red Cross.

B.P. Sullivan, Record Scholar No. 216
Brian is a chemical engineering major at Auburn University. He is continuing his research work with supercritical fluid technologies to advance pharmaceutical applications. He plans to intern with a medical doctor. His goal is to enter an M.D./Ph.D. program and, ultimately, work as a biomedical researcher.

M.A. Shipman, Record Scholar No. 210
Mitch is a chemical engineering major with a polymer specialization at the University of Akron. Based on an internship experience at Goodrich D.S.S.D., he hopes to secure a similar position in research and development. He is active in the American Institute of Chemical Engineers and plays intramural basketball.

L.A. Snider, Record Scholar No. 212
Luke is an electrical engineering major at Cedarville University. He is weighing his options, which include an internship in communications or a position in research. He intends to choose an area of concentration during his senior year and then consider graduate school. He is active in church and intramural sports.

N.T.T. Tavan, Record Scholar No. 218
Noel is a mechanical engineering major at Portland State University. His research assistantships in school have triggered his passion for nanotechnology and computer programming. He hopes to obtain an internship at Boeing or NASA in order to experience research environments in non-academic settings.

L.G. Stubler, Record Scholar No. 215
Bill is an electrical engineering major at the State University of New York at Buffalo. His interest in nanoelectronics is driving his search for a suitable graduate program. This summer, he will work an internship and complete mathematics coursework. He will then begin a senior thesis related to nanotechnology.

D.D. Stefanovic, Record Scholar No. 214
Daniel is a mechanical engineering major at the University of Cincinnati and is finishing his co-op work with Nike, Inc. Later, he will focus on senior-level engineering courses and basketball training. He hopes to begin graduate school after spending time working for Engineers Without Borders.

W.G. Stubler, Record Scholar No. 215
Bill is an electrical engineering major at the State University of New York at Buffalo. His interest in nanoelectronics is driving his search for a suitable graduate program. This summer, he will work an internship and complete mathematics coursework. He will then begin a senior thesis related to nanotechnology.

D.R. Schoborg, Record Scholar No. 209
Daniel is a mechanical engineering major at the University of Cincinnati and is finishing his co-op work with Nike, Inc. Later, he will focus on senior-level engineering courses and basketball training. He hopes to begin graduate school after spending time working for Engineers Without Borders.

W.G. Stubler, Record Scholar No. 215
Bill is an electrical engineering major at the State University of New York at Buffalo. His interest in nanoelectronics is driving his search for a suitable graduate program. This summer, he will work an internship and complete mathematics coursework. He will then begin a senior thesis related to nanotechnology.

D.D. Stefanovic, Record Scholar No. 214
Daniel is a mechanical engineering major at the University of Cincinnati and is finishing his co-op work with Nike, Inc. Later, he will focus on senior-level engineering courses and basketball training. He hopes to begin graduate school after spending time working for Engineers Without Borders.

W.G. Stubler, Record Scholar No. 215
Bill is an electrical engineering major at the State University of New York at Buffalo. His interest in nanoelectronics is driving his search for a suitable graduate program. This summer, he will work an internship and complete mathematics coursework. He will then begin a senior thesis related to nanotechnology.

D.D. Stefanovic, Record Scholar No. 214
Daniel is a mechanical engineering major at the University of Cincinnati and is finishing his co-op work with Nike, Inc. Later, he will focus on senior-level engineering courses and basketball training. He hopes to begin graduate school after spending time working for Engineers Without Borders.

W.G. Stubler, Record Scholar No. 215
Bill is an electrical engineering major at the State University of New York at Buffalo. His interest in nanoelectronics is driving his search for a suitable graduate program. This summer, he will work an internship and complete mathematics coursework. He will then begin a senior thesis related to nanotechnology.

D.D. Stefanovic, Record Scholar No. 214
Daniel is a mechanical engineering major at the University of Cincinnati and is finishing his co-op work with Nike, Inc. Later, he will focus on senior-level engineering courses and basketball training. He hopes to begin graduate school after spending time working for Engineers Without Borders.

W.G. Stubler, Record Scholar No. 215
Bill is an electrical engineering major at the State University of New York at Buffalo. His interest in nanoelectronics is driving his search for a suitable graduate program. This summer, he will work an internship and complete mathematics coursework. He will then begin a senior thesis related to nanotechnology.

D.D. Stefanovic, Record Scholar No. 214
Daniel is a mechanical engineering major at the University of Cincinnati and is finishing his co-op work with Nike, Inc. Later, he will focus on senior-level engineering courses and basketball training. He hopes to begin graduate school after spending time working for Engineers Without Borders.
K.M. Taylor, Record Scholar No. 219
Kristine is a chemical engineering major at the University of Illinois at Chicago. She has worked at the Argonne National Laboratory and in the university materials engineering lab. This summer, she will intern at Zeller Plastik. She is a member of the American Institute of Chemical Engineers.

B.M. Tideman, Record Scholar No. 220
Blake is a civil engineering major at the South Dakota School of Mines and Technology. He plans to continue his studies in graduate school, specializing in steel structures. He plays on the varsity basketball team. He is an Eagle Scout and enjoys doing volunteer work at youth basketball clinics.

R.C. Travis, Record Scholar No. 221
Robert is a computer science major at Stanford University. He wrote his first video game in an introductory course and discovered his passion. This summer, he will take an accelerated Japanese course in Hakodate, Japan. He hopes to intern with video-game studios and is considering his options for graduate school.

M.A. Turi, Record Scholar No. 222
Mike is a computer engineering major at Washington State University. He will be taking graduate-level courses while working on his senior-design project. His master’s thesis may delve into the areas of computer architecture and digital-system design. He is President of Tau Beta Pi’s Washington Beta Chapter.

N.A. Van Sickel, Record Scholar No. 223
Nick is a computer engineering major at Kansas State University. With a degree in hand, he would like to start a career in the area of non-contact sensing and artificial intelligence. He hopes to integrate those two areas further to increase the capabilities of computers. He plans to travel and study in Asia.

L.L. Wallace, Record Scholar No. 224
Laura is a chemical engineering major at the University of Minnesota, Duluth. She plans to minor in chemistry, applied mathematics, and biochemical engineering. Her recent research includes encapsulating single mammalian cells using an inkjet printer. She has applied for an internship at Pfizer and aspires to earn a Ph.D.

T.J. Zelfer, Record Scholar No. 225
Travis is pursuing two degrees: one in mechanical engineering (in 2007) and metallurgical engineering (in 2008) at the South Dakota School of Mines and Technology. He will intern with Caterpillar, Inc., and then weigh his options in pursuing career or graduate school. He enjoys studying and teaching Jukite Jujitsu.

A.M. Zinnecker, Record Scholar No. 227
Alicia is pursuing dual degrees in EE and physics at Valparaiso University, with a minor in math. She hopes that her next internship will permit her to combine her disciplines. Planning graduate work that relates to designing digital systems or programming, she is a member of Tau Beta Pi and Alpha Lambda Delta.

Apply your technical expertise at the cutting edge of technology.

Problem-solving is a group activity at MIT Lincoln Laboratory in Lexington, MA. Our technical experts work in cross-disciplinary collaboration to apply rigorous research to complex problems of national interest. Then they pool their discoveries, painstakingly put them to the test and develop not just a theoretical solution to the problem, but a real-world, working prototype.

Opportunities in Intelligence, Surveillance and Reconnaissance (ISR)
We seek candidates with a PhD or MS degree in Physics, EE, Applied Mathematics or a related field. Familiarity with DSP techniques and analytical tools including MATLAB or equivalent are required. Candidates should possess an elevated clearance or have the ability to obtain an elevated clearance.

Experimental Design Staff
- Strong programming and analytical skills

ISR Algorithm Development Staff
- Requires thorough understanding of radar theory and adaptive signal processing and ability to program in a high-level language (MATLAB)
- Participate in initial concept development leading to real-time implementations

ISR Systems Engineers
- Moving and stationary target detection, location and identification
- Requires familiarity with RF solid state and digital device technologies, STAP and super-resolution techniques
- Requires knowledge of signal processing techniques, programming with MATLAB, C++ and Python and familiarity with Linux and UNIX

Surveillance Algorithm Developers
- Requires knowledge of signal processing techniques, programming with MATLAB, C++ and Python and familiarity with Linux and UNIX

Scientific Programmers
- Requires knowledge of signal processing techniques, programming with MATLAB, C++ and Python and familiarity with Linux and UNIX
- Requires experience analyzing large, unstructured data sets, detecting trends, modeling decision processes, testing sensor and decision models in a research environment

Decision Support Engineers
- Requires knowledge of signal processing techniques, programming with MATLAB, C++ and Python and familiarity with Linux and UNIX
- Requires experience analyzing large, unstructured data sets, detecting trends, modeling decision processes, testing sensor and decision models in a research environment

To apply: Online resume submission can be accomplished via http://www.ll.mit.edu (preferred). Email resume submission can be accomplished via gomez@ll.mit.edu

As an Equal Opportunity Employer, we are committed to realizing our vision of diversity and inclusion in every aspect of our enterprise. Due to the unique nature of our work, we require U.S. Citizenship.

www.LL.MIT.EDU

Lincoln Laboratory
Massachusetts Institute of Technology

Summer 2006 The Bent of Tau Beta Pi 45