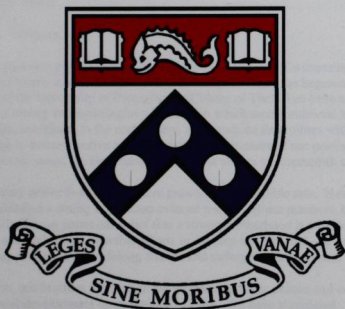
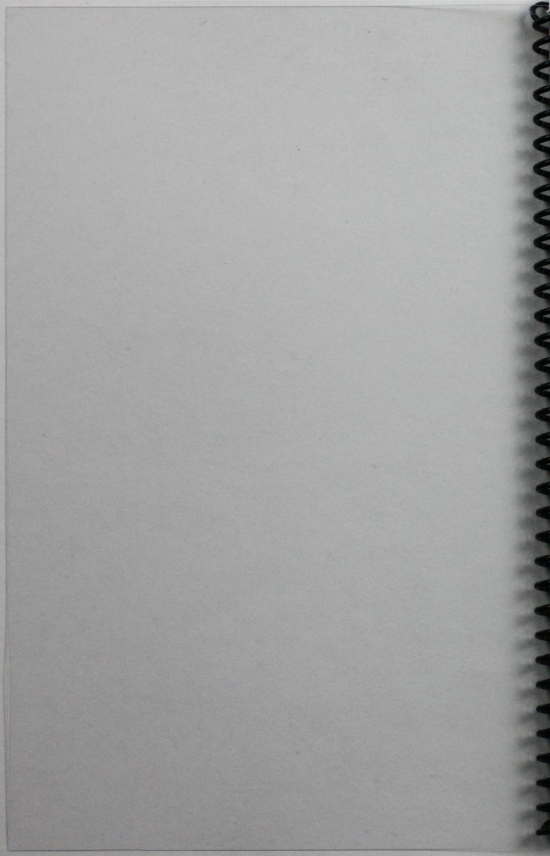


University of Pennsylvania Colony of Theta Tau



Chapter Petition



University of Pennsylvania Colony of Theta Tau



Chapter Petition

University of Pennsylvania
College of Arts and Sciences



Chapter Section

University of Pennsylvania Colony of Theta Tau
School of Engineering and Applied Science
111 Towne Building
220 South 33rd Street
Philadelphia, PA 19104

20 January 2008

Mr. Michael T. Abraham
Executive Director
Theta Tau Professional Engineering Fraternity
1011 San Jacinto, Suite 205
Austin, TX 78701

Dear Mr. Abraham,

Over the past two years, we have had the pleasure and joy of witnessing the creation of a truly amazing organization on campus. Since the beginning, the brothers of the University of Pennsylvania Colony of Theta Tau have set out to establish a strong and meaningful organization which would cultivate lasting friendships, contribute to the community, and inculcate its brothers with the knowledge to become active and responsible practitioners of our profession. In these past two years, we have taken tremendous strides to accomplish our goal.

With 33 very active brothers, we have grown at an incredible rate. However, we have established a strong foundation evinced not just by our numbers, but, more importantly, by our continual belief that a strong brotherhood is paramount. As we have undertaken considerable efforts to develop brotherhood, we have been generously rewarded with lifelong friends and unforgettable memories.

In addition, our brothers have taken the initiative to bring unique and enriching professional development opportunities to Penn. We have stimulated professional interest through diverse events, including research panels, faculty dinners, and a speaking workshop, and through an encouraging atmosphere manifest in our informal counseling sessions.

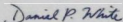
We have also contributed to our local community and have grown into an integral role in Penn's School of Engineering and Applied Science. Our standard of enthusiastic volunteerism, whether demonstrated in the soup kitchens and community outreach projects of West Philadelphia or the halls of our school during National Engineers' Week, has already earned respect for the national fraternity whose name we bear. We hope only to increase our presence at the university and in the community in the future, one day even to manifest the foundations we have laid into a chapter house.

We have brought Theta Tau to the University of Pennsylvania, and it is here to stay.

Together, we have committed our time, energy, and heart into establishing our fraternity. While our journey has been anything but easy at times, we believe that our successes so far are completely indicative of the passion for and dedication to our fraternity that exists among its brothers. Since day one, we have known that our fraternal brotherhood is what drives this organization. It has been our greatest privilege to witness the flowering of fraternal bonds and zeal for this unique organization, and we look forward to establishing a permanent headquarters as a reflection and expression of our devotion. The friendships forged and the relationships cultivated in this organization are our greatest strengths, and as long as we continue thus empowered, we can accomplish anything.

We thank you for inviting us to share as a colony in the rights, responsibilities, and rewards of the fraternity. We thus beseech your confidence in our motivation, in our dedication, and in our capability to realize our dream for a chapter of Theta Tau at the University of Pennsylvania.

Sincerely,



Daniel P. White
Regent



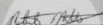
Jason Phan
Regent emeritus

Statement of Petition

We, the members of the University of Pennsylvania Colony of Theta Tau Professional Engineering Fraternity, do hereby petition for chapter status.

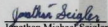
We, the undersigned, pledge our commitment, dedication, and desire to promote and maintain a high standard of professional interest among our members and to unite them in a strong bond of fraternal fellowship. All of whom sign affirm his or her engineering major at the University of Pennsylvania and have no affiliation with any organization deemed competitive with Theta Tau. We comply with all eligibility requirements for membership of Theta Tau and declare that the University of Pennsylvania Colony of Theta Tau meets all the requirements to become a chapter.


Jason Phan


Robert Bruce Metter, Jr.

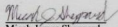

Alex Choffel


Leslie Yuli Chen

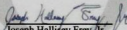

Jonathan Michael Seigler


Kuong Heang Ching

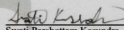

Jeremy G. Chan


Micah James Sheppard



Alison Nicole Agres


Joseph Hallisey Frey, Jr.

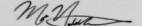

Aaron Jungstein


Swati Parshottam Kasundra


Pamela April Leckie


Daniel Davenport McGinly

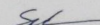

Roberto Munoz

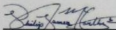

Matthew Allan Masao Nakatsuka


Pamela Jen-shan Tsing

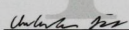

Daniel Paul White


Jonathan Francis Kruse


Samantha Maria Lee


Philip James McCarthy, IV

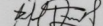

Ashwin Senthil Nathan

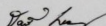

Chukuemeka Anoke Ekwe Oje

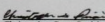

AMY POSNER!
Amy Michelle Posner

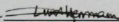

Max Isaac Solar

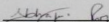

Michael Charles Beecham

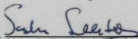

Rafael David Fernandez


David Kurt Loewy


Christopher Scott Prairie


Luisa Herrmann Rodrigues


Abhrajeev Vrajesh Roy


Alexander Borisyevich Seletsky


Julie Ann Williams



Name: Jason Phan
Office Held: Regent
Hometown: Los Angeles, CA
Majors: Bioengineering, Economics
Graduation Date: December 2008
Current GPA: 3.69
Campus Activities: Asian Pacific Student Coalition,
Wharton Entrepreneurial Programs research assistant,
Sol C. Snider Research Center, PEER Mentoring
Program, Penn Club Water Polo
Email: jphan@seas.upenn.edu



Name: Robert B. Metter, Jr.
Offices Held: Vice Regent, Community Service
Committee Chair
Hometown: Allentown, PA
Major: Bioengineering
Graduation Date: May 2008
Current GPA: 3.67
Campus Activities: Bioengineering research
Email: rbmetter@seas.upenn.edu



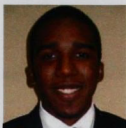
Name: Alex C. Tozzo
Office Held: Webmaster
Hometown: Cold Spring Harbor, NY
Major: Mechanical Engineering and Applied
Mechanics
Minor: Mathematics
Graduation Date: May 2008
Current GPA: 3.26
Campus Activities: Inquiry and Freethought Forum,
ModLab research
Email: altozzo@seas.upenn.edu



Name: Leslie Y. Chen
Offices Held: Scribe, Webmaster
Hometown: Hong Kong, China
Major: Computer and Telecommunications
Engineering
Minors: Mathematics, English
Graduation Date: May 2008
Current GPA: 3.42
Honor Society: Eta Kappa Nu
Campus Activities: Engineering Student Activities
Council, Penn Chess Tutoring Club, Harrison College
House Residential Advisor, Orientation Peer Advisor,

Peers Helping Incoming New Students

Email: lesliec@seas.upenn.edu



Name: Jonathan M. Seigler

Office Held: Rush Committee Chair

Hometown: South Orange, NJ

Major: Mechanical Engineering and Applied Mechanics

Minors: Music, Mathematics

Graduation Date : May 2008

Current GPA: 3.2

Technical Society: American Society of Mechanical Engineers

Campus Activities: After-School Activities

Partnerships (A.S.A.P.) piano teacher, National

Society of Black Engineers

Email: jseigler@seas.upenn.edu



Name: Kuong H. Chaing

Office Held: Social Committee Chair

Hometown: Bridgeport, Connecticut

Major: Chemical and Biomolecular Engineering

Graduation Date: May 2008

Current GPA: 3.23

Campus Activities: Engineers Without Borders

Community Outreach Member, IT Support Specialist
in the Wharton Marketing Department

Email: kchaing@seas.upenn.edu



Name: Jeremy G. Chan

Office Held: Pledge Committee Chair

Hometown: Mountain Lakes, NJ

Major: Mechanical Engineering and Applied Mechanics

Minors: Mathematics, Economics

Graduation Date: May 2008

Current GPA: 3.68

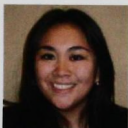
Honor Society: Pi Tau Sigma Mechanical

Engineering Honor Society

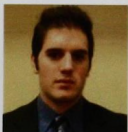
Email: jeremygc@seas.upenn.edu



Name: Micah J. Sheppard
Office Held: Treasurer
Hometown: Norwich, CT
Major: Chemical and Biomolecular Engineering
Graduation Date: May 2008
Current GPA: 3.95
Honor Society: Tau Beta Pi Engineering Honor Society
Campus Activities: Undergraduate Grader - Fluid Mechanics
Email: micahs@seas.upenn.edu



Name: Alison N. Agres
Office Held: Vice Regent
Hometown: Mahwah, NJ
Major: Bioengineering
Graduation Date: May 2008
Current GPA: 2.87
Technical Society: Biomedical Engineering Society
Campus Activities: Chair of Marketing, Weiss Tech House, Penn Philippine Association, Asian Pacific American Leadership Initiative, Hexagon Senior Engineering Society
Email: agresa@seas.upenn.edu



Name: Joseph H. Frey, Jr.
Office Held: Rush Committee Chair
Hometown: Grafton, MA
Majors: Bioengineering, Mathematics
Graduation Date: May 2008
Current GPA: 3.1
Campus Activities: Wharton Investment Club, Hexagon Senior Engineering Society, intramural tennis, intramural flag football
Email: jfrey@seas.upenn.edu



Name: Aaron Jungstein
Office Held: Professional Development Committee
Chair
Hometown: Cochabamba, Bolivia
Major: Electrical Engineering
Minors: Mathematics, Computer Science Engineering
Graduation Date: May 2009
Current GPA: 3.1
Technical Society: Institute of Electrical and
Electronics Engineers
Campus Activities: Society of Hispanic Professional
Engineers, Delta Tau Delta Fraternity, Student
Ambassadors of the World, Alianza, Daily
Pennsylvanian
Email: jaaron@seas.upenn.edu



Name: Swati P. Kasundra
Hometown: Orwigsburg, PA
Major: Bioengineering
Minor: Mathematics
Graduation Date: May 2009
Current GPA: 3.01
Technical Society: Society of Women Engineers
Campus Activities: South Asian Society
Email: swatika@seas.upenn.edu



Name: Pamela A. Leckie
Office: Scribe
Office Held: Webmaster
Hometown: North Arlington, NJ
Major: Computer Science Engineering
Minors: Electrical Engineering, Mathematics,
Economics
Graduation Date: May 2009
Current GPA: 3.61
Technical societies: Society of Women Engineers,
Women in Computer Science
Honor Society: National Society of Collegiate
Scholars
Campus Activities: Korean Student Association, Penn
Philippine Association, RCA Lab assistant, EAS 101
teaching assistant
Email: leckiepa@seas.upenn.edu



Name: Daniel D. McGinly
Office Held: Social Committee Chair
Hometown: Philadelphia, PA
Major: Mechanical Engineering and Applied Mechanics
Minors: Computer and Information Science, Mathematics
Graduation Date: May 2008
Current GPA: 2.86
Campus Activities: Mask & Wig Club
Email: ddm@seas.upenn.edu



Name: Roberto Muñoz
Hometown: Del Rio, TX
Major: Bioengineering
Minors: Mathematics, Hispanic Studies
Graduation: May 2009
Current GPA: 2.77
Honor Society: Cipactli Latino Honor Society
Campus Activities: Society of Hispanic Professional Engineers, Penn Symphony Orchestra, Latino Coalition, Movimiento Estudiantil Chicano de Azatlan, Latino Ivy League Conference
Email: munozrob@seas.upenn.edu



Name: Matthew A.M. Nakatsuka
Hometown: Honolulu, HI
Major: Materials Science and Engineering
Minors: Mathematics, Entrepreneurship
Graduation Date: May 2009
Current GPA: 3.55
Campus Activities: Hawaii Club, Engineers Without Borders
Email: mnakatsu@seas.upenn.edu



Name: Pamela J. Tsing
Hometown: Cupertino, CA
Major: Bioengineering
Graduation Date: May 2009
Current GPA: 3.46
Honor Society: University Scholars
Campus Activities: Children's Hospital of Philadelphia Volunteer, Unite for Sight Campaign Volunteer, SEAS Communication Fellow
Email: tsing@seas.upenn.edu



Name: Daniel P. White
Office: Regent
Office Held: Treasurer
Hometown: Hatboro, PA
Major: Mechanical Engineering and Applied Mechanics
Minor: Mathematics
Graduation Date: May 2009
Current GPA: 3.44
Technical Society: American Society of Mechanical Engineers
Honor Society: Delta Phi Alpha German Honor Society
Campus Activities: Engineering Student Activities Council, Arts House, Deutsches Haus, Information Technology Advisor, PennSTART Resilience Training Program
Email: whitedp@seas.upenn.edu



Name: Jonathan F. Kruse
Office Held: Pledgemaster
Hometown: Hackettstown, NJ
Major: Mechanical Engineering and Applied Mechanics
Minor: Mathematics
Graduation Date: May 2009
Current GPA: 3.2
Campus Activities: Mask and Wig Club, ModLab research
Email: jonathaf@seas.upenn.edu



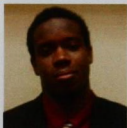
Name: Samantha M. Lee
Office: Vice Regent
Office Held: Pledge Committee Chair
Hometown: Queens, NY
Major: Materials Science and Engineering
Graduation Date: May 2009
Current GPA: 3.74
Honor Society: Tau Beta Pi Engineering Honor Society
Campus Activities: Society of Hispanic Professional Engineers, Materials Science and Engineering Research Society
Email: leesm@seas.upenn.edu



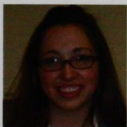
Name: Philip J. McCarthy, IV
Office Held: Pledgemaster
Hometown: Wyndmoor, PA
Majors: Mechanical Engineering and Applied
Mechanics, Finance and Statistics
Minor: Mathematics
Graduation Date: June 2009
Current GPA: 3.2
Campus Activities: Mask and Wig Club,
Management & Technology Club
Email: jmccart@seas.upenn.edu



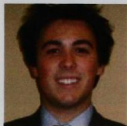
Name: Ashwin S. Nathan
Office: Community Service Committee Chair
Hometown: Bryn Mawr, PA
Major: Bioengineering
Graduation Date: May 2009
Current GPA: 3.84
Honor societies: Tau Beta Pi Engineering Honor
Society, Alpha Eta Mu Beta Biomedical Engineering
Honor Society
Campus Activities: research, tutoring, volunteer at
Children's Hospital of Philadelphia
Email: anathan@seas.upenn.edu



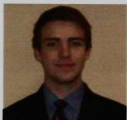
Name: Chukuemeka E. Oje
Hometown: Richmond, CA
Major: Chemical and Biomolecular Engineering
Graduation Date: May 2010
Current GPA: 2.98
Campus Activities: National Society of Black
Engineers, Chord on Blues A Cappella, intramural
soccer, basketball, and football
Email: che@seas.upenn.edu



Name: Amy M. Posner
Office: Social Committee Chair
Hometown: Columbia, SC
Major: Chemical and Biomolecular Engineering
Minor: History
Graduation: May 2009
Current GPA: 2.90
Technical Society: American Institute of Chemical
Engineers
Campus Activities: Orientation Peer Advisor
Email: posneram@seas.upenn.edu



Name: Max I. Solar
Hometown: San Diego, CA
Major: Materials Science and Engineering
Minors: Mathematics, Physics
Graduation Date: May 2009
Current GPA: 3.89
Honor Society: Tau Beta Pi Engineering Honor Society
Campus Activities: Club Gymnastics, Materials Engineering Research Society
Email: solar@seas.upenn.edu



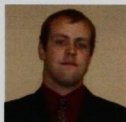
Name: Michael C. Beecham
Office: Treasurer
Hometown: Las Vegas, NV
Major: Bioengineering
Minor: Engineering Entrepreneurship
Graduation: May 2010
Current GPA: 3.71
Campus Activities: Mask and Wig Club, Model United Nations
Email: beecham@seas.upenn.edu



Name: Rafael D. Fernandez
Hometown: Ponce, Puerto Rico
Major: Materials Science and Engineering
Minors: Economics, Entrepreneurship
Graduation Date: May 2010
Current GPA: 3.06
Campus Activities: Mask and Wig Club, SPEC Sound, Puerto Rican Undergraduate Society, Pre-Freshman Program Peer Counselor
Email: rafaeld@seas.upenn.edu



Name: David K. Loewy
Hometown: Gaithersburg, MD
Major: Electrical Engineering
Graduation Date: May 2010
Current GPA: 3.68
Campus Activities: Mask and Wig Club, Juggling Club
Email: loewy@seas.upenn.edu



Name: Christopher S. Prairie
Hometown: Hughesville, MD
Major: Mechanical Engineering and Applied Mechanics
Minor: Jazz Studies
Graduation Date: May 2010
Current CPA: 3.40
Campus Activities: Penn Running Club, PennJazz
Email: prairie@seas.upenn.edu



Name: Luisa Herrmann Rodrigues
Hometown: Campinas, Brazil
Major: Chemical and Biomolecular Engineering
Graduation Date: May 2010
Current GPA: 2.93
Campus Activities: Inquiry and Freethought Forum, Penn ACLU, Penn Engineers Without Borders, Society of Hispanic Professional Engineers
Email: luisahr@seas.upenn.edu



Name: Abhrajee V. Roy
Hometown: Eagan, MN
Major: Bioengineering
Graduation Date: May 2010
Current GPA: 3.56
Campus Activities: Mask and Wig Club
Email: abhrajee@seas.upenn.edu



Name: Alexander B. Seletsky
Hometown: Andover, MA
Majors: MSE, Finance
Minor: Mathematics
Graduation Date: May 2009
Current GPA: 3.81
Technical Society: Society of Automotive Engineers
Honor Society: Tau Beta Pi Engineering Honor Society
Campus Activities: Penn Nanotech Society, Technology Entrepreneurship Club
Email: seletsky@seas.upenn.edu



Name: Julie A. Williams
Office: Professional Development Committee Chair
Hometown: Rochester, NY
Major: Materials Science and Engineering
Minors: Mathematics, Mechanical Engineering and
Applied Mechanics Graduation Date: May 2010
Current GPA: 3.09
Technical Society: Society of Women Engineers
Email: julieaw@seas.upenn.edu

Faculty Advisor

Steven B. Nicoll, Ph.D.

Assistant Professor of Bioengineering

Assistant Professor of Orthopaedic Surgery

Member, Institute for Medicine and Engineering

Ph.D. Bioengineering, 2000, University of California, Berkeley

B.S.E. Bioengineering, 1994, University of Pennsylvania

Steven B. Nicoll is an assistant professor in the Departments of Bioengineering and Orthopaedic Surgery at the University of Pennsylvania. He received a B.S.E. in Bioengineering from the University of Pennsylvania in 1994 and a Ph.D. from the joint graduate program in Bioengineering from the University of California at Berkeley and San Francisco in 2000. Dr. Nicoll joined the faculty at the University of Pennsylvania in 2002 after completing a post-doctoral fellowship at Columbia University in the Department of Biomedical Engineering. His research program incorporates the principles of cell and molecular biology, materials science, and mechanical engineering toward the development of living tissue surrogates for connective tissue restoration. In particular, Dr. Nicoll examines how environmental stimuli and biomaterial substrates regulate the differentiation of novel progenitor cells toward specialized connective tissue cell lineages, such as cartilage and bone cells. Information from such studies is used to engineer biohybrid replacements for damaged or diseased connective tissues. Dr. Nicoll is the recipient of a National Institutes of Health Career Development Award (K22), a Wallace H. Coulter Foundation Early Career Translational Award, a National Science Foundation CAREER Award, and the Ford Motor Company Award for Faculty Advising from University of Pennsylvania.

History of the University of Pennsylvania Philadelphia, PA

by

Steven Morgan Friedman, B.A., College of Arts and Sciences, '98

Eager to create a college to educate future generations of Philadelphians, Benjamin Franklin presented to the men and women of Philadelphia in the fall of 1749 his vision of a school to be known as the "Publick Academy of Philadelphia." Circulating his ideas in a pamphlet titled *Proposals for the Education of Youth in Pensilvania*, he advocated an innovative concept of higher education, one which simultaneously taught both the ornamental knowledge of the arts and the practical skills necessary for making a living. The four colleges then in existence in the English colonies -- Harvard, William and Mary, Yale, and Princeton -- were all schools for educating the clergy, rather than preparing their students for lives of business and public service. With his characteristic zeal and intent on seeing his Academy of Philadelphia become a reality, he assembled a board of trustees and looked about for the least costly way to build a campus.



Although one of the trustees offered a well-situated building lot, Franklin focused on the property and unfinished "New Building" of the evangelist George Whitefield. There, in 1740, a group of working class Philadelphians had decided to erect a great preaching hall, the largest building in the city, which would also serve as a charity school for "the instruction of poor children." The fundraising, however, for both the building and the school had fallen short and the plans for both chapel and school were suspended. Franklin saw an opportunity to open his Academy quickly and inexpensively and in January 1751 did so, incorporating and also opening a charity school in accordance with the intentions of the original "New Building" donors.

Franklin's hand-picked Provost, the Reverend William Smith, cast just as powerful and as lasting a shadow on both Penn and on the American University as did Franklin. Smith designed a curriculum to imbue the students with both the Classics and the more pragmatic



sciences -- again a unique development among the Colonial Colleges. Smith had such a dedication to the school that, when he was thrown in jail for protesting against the politics of the popularly-elected Provincial Assembly, he continued to teach his classes from the Old City Jail!

Amidst the turmoil of the American Revolution a few years later, the state of Pennsylvania seized the College of Philadelphia in 1779 because the revolutionary Pennsylvania state government saw the College as a Tory bastion. The state transformed the College into the University of the State of Pennsylvania, thus creating both America's first state school and America's first university. This new university was born with a more egalitarian vision than ever imagined before in the colonies, with members of the Board of Trustees from every denomination and the only non-sectarian faculty in the new nation. The University of Pennsylvania earned its current name when the University was made private, once the revolutionary fervor had died down, in 1791.

The eighteenth century was an incredible time for both the University and for the young American Republic. The University saw rise to the first Medical School in the colonies in 1765 when John Morgan organized a medical faculty. James Wilson gave the earliest law lectures under the new national government in 1790 at Penn. By the end of its first half century, the University had been educating the leadership of Penn and of the new nation: nine signers of the Declaration of Independence and eleven signers of the Constitution were associated with the University. Having been home to the Continental Congress in College Hall 1778, the University moved to the President's House on Ninth and Chestnut Streets in 1802.



After almost a century and a half as a teaching college, the University -- with a student body that by the end of the 19th century was still publicly performing Aristophanes's plays together -- began to change with the times. Influenced by the German model of higher education, Penn magnificently transformed itself

into a research institution -- not only transmitting knowledge, but now creating it as well. Under the leadership of Provost Charles Janeway Stillé in 1872, Penn relocated its campus a second time, to the sprawling Almshouse farm west of Philadelphia's Schuylkill River, where it remains today. Here Franklin's spirit of discovery and invention was reborn, with blocks of labs along Spruce Street popping up and countless researchers being hired. Focusing on research and the advancement of knowledge, the graduate school of arts and sciences was founded at Penn in 1882 and the first Ph.D., in Physics, was awarded in 1889, both under the provostship of William Pepper.

The University, while transforming itself into a modern research institution, developed a number of professional schools. Founded in 1850 and 1852, respectively, today's Law School and the School of Engineering and Applied Science led the nation in the move towards professional education. Four others -- Dentistry, 1878; Wharton's School of Finance and Commerce, 1881; Veterinary Medicine, 1884; and Fine Arts, 1890 -- were born into this educational age of great laboratories and clinical research. Penn, too, entered modernity and embraced the diversity of America during this period, as it admitted its first students of color in 1879. Women were admitted to the graduate school from its inception in 1882, and belatedly the undergraduate programs as well, starting with the establishment of the School of Education in 1914.

A second transformation of sorts took place at Penn after 1940, resulting in the University of today. During the Second World War, massive infusions of federal dollars made it possible for Penn to be a major contributor to the war effort. Immediately afterwards, the G.I. Bill paid for thousands more to attend the University. The size of Penn exploded after a national peacetime consensus developed during the 1950s and 1960s to use tax dollars to support basic research and University-based training. The University, which had graduated 301 students in 1890, graduated 5,634 in 1990. With an enormous range of research grants available and highly-specialized faculty now competing for federal, state, and local grant money, the University became today's booming Penn, the one which created ENIAC, the world's first all-electronic computer.

The mission of the University has changed in still another important way since the War, a change which has invoked the vision of its eighteenth century founders. Since 1945, the curriculum has steadily broadened to include virtually every significant academic discipline and this great arena of learning has opened to tens of thousands of women, minorities, and international students through need-blind admissions and enrollment. Penn has therefore accomplished something even far beyond the ideals of Franklin and Smith; not only is Penn a world center for the creation and transmission of knowledge, but now, two centuries after its founders advanced the twin ideas of pragmatism and inclusiveness in American higher education, that vision has been universally embraced by research colleges and universities throughout the United States.

History of the School of Engineering and Applied Science

compiled by Daniel White

The trustees of the University of Pennsylvania established the School of Mines, Arts, and Manufactures in 1852, in response to the Industrial Revolution's demand for individuals with a formal education in the applied sciences. By 1872, students pursued courses of study in applied chemistry, civil engineering, and mechanical engineering. The school's expansion was enabled by the help of major benefactors such as John Henry Towne, Esq. Towne was a railway engineer whose estate created the Towne Scientific School from the Department of Science in 1875. The first endowed Chair at the University, named the Asa Whitney Professor of Dynamical Engineering, was appointed in 1877 in gratitude to benefactor Asa Whitney, another innovator in the burgeoning railroad industry. "Dynamical Engineering" was separated into the current Departments of Mechanical and Electrical Engineering in 1893, the same year a course of study in chemical engineering was established, the oldest of such courses in continuous existence in the United States.

The engineers moved into their modern headquarters when the Towne Building was dedicated in 1906. The building was unique among academic buildings for it had no classrooms, only machine shops and laboratories because of the School's emphasis on hands-on, practical learning. In the early 20th century, Towne and Whitney were joined by other prominent benefactors and teachers who saw great potential in the School. Alfred Fitler Moore was an entrepreneur whose company produced the wire for Samuel Morse's first telegraphic signals. His estate endowed the Department of Electrical Engineering as the Moore School of Electrical Engineering in 1923.

The Moore Building served as home to the Electrical Engineering Department and host to the world's largest mechanical computing machine in the 1930's. From the lessons of this machine came the development of a machine that would shake the world and herald the beginning of a new age for Penn Engineering and for the rest of mankind. Thus, ENIAC – the world's first electronic digital computer – was developed by Dr. John Mauchly and J. Presper Eckert, two young professors with an idea for a machine that could do digital calculations via electronic numerical integration and computing. By 1946, they had taken over the Moore basement with a vast complex of wires and vacuum tubes for a machine that could do 5,000 calculations a second. The rest is an incredible history.

Developments in the second half of the century anticipated and influenced the future of engineering. The Department of Chemical Engineering was established in 1951, and the Moore School set up an Electromedical



Division, the first significant laboratory effort in that field in the country, in 1952. By this time, there were five Engineering departments at the University of Pennsylvania - those of Chemical Engineering, Civil Engineering, Electrical Engineering, Mechanical Engineering, and Metallurgical Engineering. The nation's first Ph.D. program in Biomedical Electronic Engineering was offered at Penn in 1961. Two years later, the Laboratory for Research on the Structure of Matter was dedicated with space for biomolecular and materials research. In 1971, trustees approved granting Bachelor of Science in Engineering (B.S.E.) degrees rather than baccalaureate degrees designed by individual discipline. The Computer Science and Engineering program emerged from the Department of Electrical Engineering in 1972 and began offering an undergraduate course of study.

In 1973, the school was reorganized as the College of Engineering and Applied Science, including the eight Departments of Bioengineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Systems Engineering,



Computer and Information Science/Computer Science Engineering, Mechanical Engineering and Applied Mechanics, and Metallurgy and Materials Science (renamed Materials Science and Engineering in 1979). The Management and Technology Program, an innovative dual-degree partnership between the College of Engineering and the Wharton School, empowered Penn

Engineers to earn business degrees starting in 1976. The Departments of Civil and Systems Engineering were combined into the Department of Systems in 1986, which was renamed the Department of Systems Engineering in 1994 and later integrated with Electrical Engineering to form the Department of Electrical and Systems Engineering.

Penn Engineering Today

The School of Engineering and Applied Science, as it is known today, has a distinguished reputation for the quality of its programs. Its alumni have achieved international distinction in research, higher education, management, entrepreneurship and industrial development, and government service. Its faculty lead research programs that are at the forefront of modern technology and make major contributions in a wide variety of fields. The School comprises six academic departments: Bioengineering, Chemical and Biomolecular Engineering, Computer and Information Science, Electrical and Systems Engineering, Materials Science and Engineering, and Mechanical Engineering and Applied Mechanics.

Today, Penn Engineering trains its students in the use of engineering principles in an unimaginably wide range of applications in the physical,

chemical, biological, and even virtual worlds. The school has high-tech classrooms and labs in eight buildings across the vast Penn campus, an ever expanding array of facilities to give students access to the best education that can be offered. Penn Engineering provides an extraordinary and broad group of professional masters' programs that extend the bounds of traditional education in their flexibility and adaptability to student goals. These programs — many of which are interdisciplinary — prepare students for the rapid business and technology changes of the 21st century. Such curriculum innovation comes naturally to the University of Pennsylvania, which has long been a leader in engineering education. Professional programs include an Executive Master's in Technology Management, Master of Biotechnology, Master of Computer and Information Technology, and a Master of Science in Engineering (M.S.E.) in Telecommunications and Networking. In addition, an M.S.E. may be earned in any of the graduate programs offered in the academic departments.

Research and education form the creative mission of Penn Engineering. The excitement and discovery of research is open to all students and is the keystone of our world-renowned programs from the undergraduate to the Ph.D. levels. Research opportunities range from the core of our disciplinary programs to scholarly interactions involving the School of Medicine, the School of Arts and Sciences, and the Wharton School of Business, to note a few. This environment is further enriched by Penn's many institutes, centers, and laboratories. These include the Institutes for Medicine and Engineering, Research in Cognitive Science, and Genomics, and Centers for Bioinformatics, Human Modeling and Simulation, Bioactive Materials and Tissue Engineering, Nano/Bio Interfaces, and Molecular Discovery. Large laboratories serve Research on the Structure of Matter, General Robotics, Automation, Sensing, and Perception, and PACE-sponsored manufacturing technology. Construction on a new Nanotechnology Institute will begin in 2008. The school also attracts the attention of government agencies and the most innovative companies who have given their support to scores of programs and projects at Penn. But the mission of Penn Engineering is larger than awards and advances in engineering; there are obligations to Society. Penn Engineering has a deeply rooted vocation for service; its students are actively involved in community outreach within the local community, nationally, and even overseas.

The School of Engineering and Applied Science is part of the University of Pennsylvania — the school that Ben Franklin founded in Philadelphia over 250 years ago. Our campus has grown rapidly with the addition of Levine Hall for



Computer Science Engineering in 2003 and Skirkanich Hall for Bioengineering in 2006. Penn's School of Engineering and Applied Science is indeed an institution which combines a deep professional education in engineering with the joys of classical learning, for here there are no boundaries between imagination and the thirst for learning. Such is the kind of education that Penn Engineers have enjoyed for 155 years and counting.

History of the University of Pennsylvania Colony of Theta Tau



Spring 2006



On October 19, 2005, four nervous, yet excited, University of Pennsylvania Engineering students - Alex Tozzo, Robert Metter, Neha Sharma, and Jason Phan - met with the Theta Tau Executive Director Michael Abraham outside of Houston Hall, Penn's student union building. Brought together by their mutual love for Penn's Engineering school, these students all shared

the goal to establish a fraternity dedicated to the development and cultivation of brotherhood, community, and character at Penn's engineering school. Under the guidance and direction provided by Michael Abraham, these students then set out to transform their ideas into reality.

Soon thereafter came the first official board meeting on November 5, 2005, and our local fraternity, Theta Tau Sigma, became an official, University-recognized student organization. With the addition of fellow brothers Kuong Chaing, Jeremy Chan, Leslie Chen, Jonathan Seigler, and Micah Sheppard, the Executive Board grew into a diverse collection of nine highly motivated students who represented the various disciplines of engineering.

In need of a strong liaison with the School of Engineering, our local fraternity contacted Dr. Steve Nicoll of the Bioengineering department, who from that day on has taken on the role of our faculty advisor. Always ready to aid us in dealing

with whatever issues may arise, Dr. Nicoll has been critical and indispensable to our development as a fraternity.

As part of our School-sponsored celebrations for National Engineers' Week, our local fraternity held a paper airplane contest on campus. This event tested the creativity and imagination of all participants, as contestants competed in designing a paper airplane that could travel the farthest. The competition ended a success; Theta Tau Sigma enjoyed a very healthy turnout as it made its organizational debut in the Engineering community.

That semester ended with an intense undertaking when our brothers set out to design and build a barbecue grill out of a 55-gallon drum. This grill was intended to be used by all of our brothers, and would be a great addition for future recruiting events and barbecue socials. The project was lengthy and exhausting, but through the entire experience, our brothers bonded extraordinarily. By the time the grill was completed, it became a representation of not only our passion for the fraternity, but also our promising outlook and hope for the future.

Fall 2006

In Autumn 2006, the local fraternity Theta Tau Sigma had its first official open rush and pledge process. With this first pledge class, the colony welcomed ten new members to the brotherhood in the Beta Class: Alison Agres, Joe Frey, Aaron Jungstein, Swati Kasundra, Pam Leckie, Dan McGinly, Matt Nakatsuka, Roberto Munoz, Pam Tsing, and Dan (Xander) White.

On November 11th, 2006, shortly following the Beta class installation, the brotherhood achieved official colony status at its colony certification ceremony, held at the University City Sheraton Hotel in Philadelphia, PA. The program included remarks by the Assistant Dean of the School of Engineering and Applied Science, Dr. Sampath Kannan, and our faculty advisor, Dr. Steven Nicoll.

There were also remarks by the Executive Director of Theta Tau, Michael T. Abraham, Grand Regent Michael D. Livingston (Gamma Beta '92), and Colony Director Amanda N. Graor (Theta Gamma '06). Other Theta Tau brothers participating in the ceremonies included Northeast Regional Directors Steven Brewer (Nu Gamma '04) and Jamey Vann (Mu Gamma '05), and brothers Marc Happes (Nu Gamma '07) and Ben Porcaro (Nu Gamma '09).

The colony closed out the semester with a holiday party for all brothers, culminating with a dinner in Center City Philadelphia and a gift exchange.

Spring 2007

Following the winter holidays, the newly elected board wasted no time. Immediately after the break, the second official rush and pledge processes started. Soon afterwards, in February, the Theta Tau colony contributed two different events to SEAS to aid with celebrations for National Engineers' Week (E-Week). The first was an eating contest for hungry engineers, the second was a professional development event entitled "Beyond the B.S.E.," an Engineering alumni career panel open to all engineers at Penn.

The next month, the professional development committee teamed with Penn's Communication Within the Curriculum (CWic) program to host an internal public-speaking workshop for the brothers. At the end of March, the community service committee organized a Theta Tau team for the American Cancer Society's Relay for Life, and raised over \$1000 in funds towards cancer research.

Towards the end of the semester, the Theta Tau Colony welcomed the seven new brothers of its Gamma Class: Jon Kruse, Sam Lee, Jamie McCarthy, Ashwin Nathan, Chuku Oje, Amy Posner, and Max Solar.

In April, the colony celebrated Penn's annual Spring Fling together. Later that month, one of our brothers, Dan (Xander) White (Beta, '09) competed in and won the second annual Mr. SEAS Competition to determine which engineer had the most talent, fashion, and engineering trivia knowledge. The social committee later held a movie night for all brothers and also sponsored a trip to cheer on the Phillies at new Citizens Bank Park.

At the end of the semester, the colony celebrated the end of the year with a semi-formal mixer in downtown Philadelphia, as well as an end-of-year awards ceremony to honor outstanding brothers. Award winners included: Alex Tozzo as Most Dedicated (Alpha, '08), Kuong Chaing for exemplifying Brotherhood (Alpha, '08), Neha Sharma with the Senior Award (Alpha, '07), Micah Sheppard for Academic Achievement (Alpha, '08), and Matthew Nakatsuka with the best Attendance Award (Beta, '09). The colony ended the semester by saying goodbye to Neha Sharma, who graduated from Penn.



Fall 2007

The growing colony of Theta Tau began the fall semester with a back-to-school barbecue at the house of the Regent (Jason Phan, Alpha, '08). Shortly afterwards, the open rush and pledge process quickly started to search for new members.

The Fall was filled with a variety of events for its brothers, starting off with an internal professional development event from upperclassmen to underclassmen, guiding them through the process of On-Campus Recruiting (OCR) at Penn. Following this, the community service committee brought all the pledges and many brothers to the Chosen 300 soup kitchen in Philadelphia, where Theta Tau members gave up a Friday night to serve over 250+ people. A brotherly potluck was held before the Thanksgiving holidays to help members connect.

Following Thanksgiving, the colony welcomed eight new members as the Delta class: Michael Beecham, Rafael Fernandez, Luisa Hermann Rodrigues, David Loewy, Chris Prairie, Abhrajee Roy, Sasha Seletsky, and Julie Williams.



After the Delta Class initiation, the community service committee put their final touches on a bike rack constructed for the Neighborhood Bike Works, a local non-profit educational organization that gives opportunities to urban youth through bicycling. The professional development committee also began a new program for brothers: monthly dinners with professors from different departments within

the Engineering school. The dinners were a success: first with our faculty advisor, Dr. Steven Nicoll, of the Bioengineering department, and second with Dr. Jonathan Fiene and Dr. Katherine Kuchenbecker of the Mechanical Engineering and Applied Mechanics department.

The end of the semester was highlighted with a holiday visit to New York City, where thirteen brothers from the Penn Colony attended the initiation ceremony of the Theta Tau Colony of Columbia University. Shortly afterwards, a new board was elected for the next calendar year and the semester was topped off with a holiday party for all brothers.

Looking Ahead...

Planning for the spring of 2008 is already underway, with all committees lining up events for the upcoming semester and the new board looking forward to develop new opportunities for the brothers.

The community service committee has a number of events planned for the spring, including the formation of another Relay for Life team, a volunteer event to play with children at the local Children's Hospital of Philadelphia, the organization of a basketball tournament for E-Week in conjunction with the Biomedical Engineering Society, and a weekend science program for West Philadelphia children. The Professional Development Committee is currently planning a plant tour as well as a panel for summer undergraduate REUs for all engineers at Penn.



THETA TAU
PROFESSIONAL ENGINEERING FRATERNITY

CENTRAL OFFICE

1011 San Jacinto, Suite 205
Austin, TX 78701
512/472-1904 Fax: 512/472-4820
Internet: Central@ThetaTau.org
Web: www.ThetaTau.org

January 27, 2008

Theta Tau Central Office
1011 San Jacinto, Suite 205
Austin, TX 78701

Dear Brothers:

I am pleased to write in support of the petition for chapter status from the University Of Pennsylvania Colony Of Theta Tau.

Late in 2005, I met with four Penn engineering students interested in Theta Tau when in the area on other extension business. The students knew each other well, shared the same living facility, and wanted to identify a way to remain close through the rest of their undergraduate years at Penn. They identified a fraternity, and our engineering fraternity, as the best way to achieve that admirable goal.

I am very impressed with the ingenuity, enthusiasm, and effort of this group, and believe that they work diligently to grow in size, develop into a fine chapter of Theta Tau, and become an integral part of the engineering community at Penn. It is also clear that the student body at this school is of a best caliber, and that they have the support of the engineering school.

The group has grown remarkably since their colony certification in members, but also in activity and involvement. Most recently, nearly 20 of their members were on hand for the certification of the Columbia University Colony of Theta Tau. They helped make that event a great success and memorable experience for that new colony.

I believe this colony has shown itself to be a valuable asset to Theta Tau, and I heartily recommend your approval of their petition.

In H and T,

Michael T. Abraham
Executive Director

MTA:bjm

Theta Tau, the nation's oldest, and foremost, Fraternity for Engineers

Steven R. Brewer

184 West End Ave.
Binghamton, NY 13905

Phone: (607) 624 - 4062
Email: Steven_R_Brewer@hotmail.com

November 30, 2007

ΘT Executive Council
Theta Tau Central Office
1011 San Jacinto, Suite 205
Austin, TX 78701

To all Chapters and Executive Council Members
Theta Tau Fraternity

Dear Brothers:

I am pleased, and honored, to offer my recommendation for the approval of this petition to allow the group of students at the University Pennsylvania to be installed as an official chapter of Theta Tau Fraternity. I have had the pleasure of meeting several of the students on multiple occasions, and they are truly exceptional individuals and will surely becoming another thriving asset of the Northeast Region.

They have expressed a deep interest in our fraternity, and encompass the ambition, integrity, and leadership that it will take to create another successful chapter of Theta Tau. They understand the responsibilities of, and the commitment to, a balanced program of service, professionalism, and brotherhood. I believe that these students signify our virtues, and will proudly live up to our high standards.

It would give me great pleasure to witness the installation of another prestigious university into the already illustrious network of Theta Tau chapters. In conclusion, I whole-heartedly recommend that the chapters of Theta Tau, and its Executive Council Members, approve this colony's petition to be installed as an official chapter of Theta Tau Fraternity.

In H&T,

Steven R. Brewer

Steve Brewer NG8
NE Regional Director
Theta Tau Fraternity



THETA TAU
PROFESSIONAL ENGINEERING FRATERNITY

NORTHEAST REGION

Jamey Vann
17 Holly Lane Apt. 12
Tonawanda, NY 14150
Phone: 716/445-3266
Internet: Jamey.vann@thetatau.org

November 29, 2007

ΘT Executive Council
Theta Tau Central Office
1011 San Jacinto, Suite 205
Austin, TX 78701

Dear Brothers:

It is with great pleasure that I write in support of the petition for chapter status from the University of Pennsylvania Colony of Theta Tau.

Over the past year, I have interacted with the colony on a few occasions. After attending their installation, it was apparent that this group had the drive to reach their goal of becoming a chapter in our brotherhood. Their numbers have grown immensely in the last year, and throughout their rapid growth they have been able to maintain a close knit group. They have been actively visiting other chapters and plan to attend the Columbia University Colony installation this weekend. They are extremely active in the university, holding dinners with their professors, and helping out with on campus recruiting, among other things.

To balance out their Theta Tau colony program, they are very active with fundraising and in the Philadelphia community. In all of their activities they are still able to maintain a strong bond among themselves. They seem to grasp the full concept of what a chapter should strive for.

I believe this group will make an excellent addition to Theta Tau, and I highly recommend your approval of their petition to become the next chapter in our brotherhood.

In H&T,

Jamey Vann
Northeast Regional Director

6810 Antioch Road, #154
Merriam, KS 66204
734.730.0760

December 2007

Brothers,

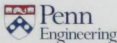
It is with great confidence that I write this letter to recommend that the University of Pennsylvania colony of Theta Tau be installed as a chapter of Theta Tau Fraternity. I have seen this colony progress from certification, and I can say with full certainty that they will be an asset to the fraternity.

Over the course of their status as a colony, they have held both professional development and community service to a high standard, participating in such events as Relay for Life and serving at a soup kitchen in downtown Philadelphia. They host events, both for members and the general student population, that not only help them learn about their life as students, but also the possible career paths ahead of them. Through these events, they are strengthening both their credibility as engineers and their brotherhood through their involvement with Theta Tau.

Overall, I believe that this colony holds all the qualifications necessary to become a flourishing chapter of Theta Tau Fraternity, and I look forward to helping them through the process.

In H&T,

Amanda Graor
ThG 57 SSSS! XX! RR!



School of Engineering and Applied Science
Office of Academic Programs
220 S. 33rd Street
Philadelphia, PA 19104-6391
Tel 215.898.7246 Fax 215.573.5577
ap@seas.upenn.edu

Mr. Michael T. Abraham
Executive Director
Theta Tau Central Office
1011 San Jacinto, Suite 205
Austin, TX 78701

Dear Members of the Theta Tau Executive Council,

I write with great pleasure in support of the establishment of a Theta Tau chapter at the School of Engineering and Applied Science (SEAS) at the University of Pennsylvania.

SEAS is a highly selective Engineering school in a premier university. We have 6 academic departments spanning the breadth of Engineering, including Computer Science. We have a little over 100 faculty, about 1500 undergraduates and about 600 graduate students. With great new buildings, state-of-the-art laboratories, world-class recent hires, and an ever more competitive admissions process at both the undergraduate and graduate levels, these are exciting times in SEAS. In addition to the strong academics, the school and its students have a long tradition of community outreach activities both locally and internationally.

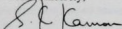
I first met with this enthusiastic group of students more than two years ago when they approached me about establishing a colony of Theta Tau at the University of Pennsylvania. Their vision was that this organization would be dedicated to the values of brotherhood, community service, and professional development on campus. Over time they have gone beyond just fulfilling this vision. The brothers of Theta Tau have become invaluable members of the engineering community through their strong involvement and high volunteerism at all of our school-wide student events such as: E-Day, E-Week, Parents' Weekend, and our annual Career Fair. In addition, they have taken the initiative to hold unique professional development events such as alumni panels and research panels to educate the students of the SEAS community on the wide range of extracurricular and post-graduate options

UNIVERSITY of PENNSYLVANIA

available. They have also volunteered time and raised contributions in community service efforts at local soup kitchens and in the American Cancer Society's Relay for Life event.

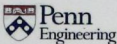
I am very proud of the accomplishments of the Theta Tau Colony at the University of Pennsylvania. The organization has flourished since its inception as a local fraternity in the Spring of 2006 and as a colony in the Fall of 2006. During the same period it has almost doubled in size. During this time, this organization has held true to its ideals of brotherhood, professional development, and community service. I am confident that Theta Tau will remain a strong organization on this campus serving many future generations of Engineers at the University of Pennsylvania.

Yours Sincerely,



Sampath Kannan

Professor and Associate Dean
School of Engineering and Applied Science
University of Pennsylvania
Philadelphia, PA 19104.



School of Engineering and Applied Science
Department of Bioengineering
240 Skirkanich Hall
210 S. 33rd Street
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Tel 215-898-8561 Fax 215-573-2071
<http://www.seas.upenn.edu/bie/>

December 3, 2007

Theta Tau Executive Council
Theta Tau Professional Engineering Fraternity
815 Brazos, Suite 710
Austin, TX 78701

RE: Letter of Support for Theta Tau Chapter

Dear Executive Council Members,

It is my pleasure to write a letter in support of a petition to establish a Theta Tau Chapter at the University of Pennsylvania (Penn).

Since achieving Theta Tau Colony status at Penn almost two years ago, the colony has made substantial contributions to the School of Engineering and Applied Science (SEAS) and to the University. Specifically, the Colony has organized numerous events that have focused on social activities, professional development, and community outreach, all of which are essential for any Theta Tau Chapter. In addition, the Colony has experienced tremendous growth since its inception, currently totaling 33 members, providing clear evidence of the popularity and important role of the fraternity on campus.

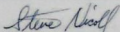
Together with rush events, the Colony has organized movie nights, trips to professional sporting events, and visits to other Theta Tau Colonies (i.e., Columbia University with plans to visit Binghamton). These social activities are vital to establishing a sense of camaraderie among the brothers both at Penn and within the larger national Theta Tau landscape. As a professional engineering fraternity, events tailored toward providing students with information on educational and career goals are crucial to the mission of the Theta Tau organization. The Penn Colony has sponsored panels open to all SEAS students dealing with topics ranging from research opportunities for undergraduates to alumni panels that discuss career paths for engineering students. They have also worked with the Career Services office to hold workshops on presentation and networking skills and have arranged a monthly dinner series with professors in SEAS. These dinners allow brothers to interact with faculty in an informal setting to learn more about research and educational activities in engineering. The Theta Tau Colony at Penn has also been very proactive in fostering activities that benefit the surrounding community. For example, they raised over \$1,000.00 through participation in the American Cancer Society's Relay

UNIVERSITY of PENNSYLVANIA

for Life and have volunteered at the Chosen 300 Ministries' Soup Kitchen in downtown Philadelphia, serving meals to hundreds of individuals. More recently, the group has finalized plans to build a bike rack for West Philadelphia's Community Bike Works as well as to volunteer at the Children's Hospital of Philadelphia to build sand castles with children.

Based on the successes of the Penn Theta Tau colony in a relatively short period of time, it is clear that the Colony is well-positioned to be among the most active Chapters in the nation. They are led by a dynamic group of student leaders that has worked within SEAS and the Philadelphia community to provide a vital resource for our University. The Colony hopes to build on the rich traditions of both Penn and the Theta Tau Professional Engineering Fraternity to achieve Chapter status in the very near future. Therefore, I strongly recommend the Executive Council's approval for the establishment of a Theta Tau Chapter at Penn. Please feel free to contact me if you have any questions (nicoll@seas.upenn.edu).

Sincerely Yours,



Steven B. Nicoll, Ph.D.
Assistant Professor
Department of Bioengineering
Theta Tau Faculty Advisor Designee

Acknowledgments

This colony's efforts to attain chapter status were facilitated and magnified by the generous support of our school administrators and brother colonies. Dean Eduardo Glandt and Associate Dean Sampath Kannan shared our vision for the development of a Theta Tau chapter at the University of Pennsylvania. Dr. Sonya Gwak, Associate Director for Student Affairs and Academic Advising, counseled us on the execution of our organizational goals and provided invaluable opportunities to serve our school and promote our brotherhood. Rosette Pyne and Elizabeth Stanley of Career Services likewise directed our enthusiasm for professional development, collaborating with us to offer a variety of informative events.

We also extend our gratitude to our brothers at the Columbia University colony, who hosted and welcomed us to their initiation ceremony, and to the University of Rhode Island and the University of California, Davis, whose chapter petitions shaped the presentation, content, and structure of ours. We would also like to thank our brothers at the Nu Gamma chapter for supporting our colony with their presence at our initiation and with their experience and advice ever since.

Finally, we would like to thank Michael Abraham, Jamey Vann, Steve Brewer, and Amanda Graor for all of the help and support they have provided. From the beginning, these national and regional directors have warmly welcomed us into the family and they have been instrumental in shaping our Colony into what it is today. They have never hesitated to support us with insight and assistance to any questions and issues that have arisen.

Alumna of the University of Pennsylvania Colony of Theta Tau

Neha Sharma, Co-Founder, Class of 2007

Introduction

The purpose of this study is to investigate the relationship between the level of education and the level of income. The study is based on a sample of 1000 individuals who have completed at least a high school education. The data was collected from a national survey conducted in 2000. The study is divided into two main parts. The first part is a descriptive analysis of the data, and the second part is an inferential analysis. The descriptive analysis includes a calculation of the mean, standard deviation, and range of the income variable. The inferential analysis includes a hypothesis test to determine if there is a significant relationship between education and income.

The first part of the study is a descriptive analysis of the data. This part includes a calculation of the mean, standard deviation, and range of the income variable. The mean income is \$25,000, the standard deviation is \$10,000, and the range is from \$10,000 to \$50,000. The second part of the study is an inferential analysis. This part includes a hypothesis test to determine if there is a significant relationship between education and income.

The hypothesis test is a two-tailed test. The null hypothesis is that there is no relationship between education and income. The alternative hypothesis is that there is a relationship between education and income. The test statistic is calculated using the formula: $t = \frac{\bar{y} - \mu}{s/\sqrt{n}}$, where \bar{y} is the sample mean, μ is the population mean, s is the sample standard deviation, and n is the sample size. The test statistic is compared to the critical value from the t-distribution table. If the test statistic is greater than the critical value, the null hypothesis is rejected.

The results of the hypothesis test are as follows:

Test Statistic: $t = 2.5$



