

THE GEAR

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of Theta Tau



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Centennial

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The *Gear* is the official magazine of Theta Tau Professional Engineering Fraternity and has been published since 1909. The *Gear* is sent twice per year to all members for whom an address is on file, all chapters, parents of student members, and various engineering colleges across the country. Publication is in the fall and spring of each year with press run/distribution to approximately 17,500. The magazine is about people – our members & chapters, their activities & interests – but distribution is clearly to those with a scientific education, technical experience, and analytical minds.

Full color advertising space is available in virtually all sizes, shapes, and formats for affordable rates starting at just \$300 per issue. For more information, please contact Executive Director Michael Abraham at central.office@thetatau.org or 800/264-1904.



ON THE COVER

Kappa Gamma Convention Delegation – winners of the 2010-12 Schrader Award

Beans, Bombers, and Mud Pumps

by Samuel L. Collier, Nu '47



I pledged Nu Chapter of Theta Tau in 1942. Carnegie Tech was my top choice, and I was fortunate to receive a Carnegie Scholarship. Theta Tau may commonly have been called an honorary fraternity, but the minimum GPA required was only 2.5. Even so, nearly all those selected and initiated did much better.

It was war times naturally; I got a job with H J Heinz helping to produce armaments. During WWII, nearly all facilities converted from civilian to military manufacturing of some kind. In Pittsburgh, it was jokingly referred to as the "Beans to Bombers" program. I had learned a lot about aircraft structures from Charles H. Grant's articles in *Model Airplane News* in the 1930's. He covered all kinds of details about design, structure, stability and much more. This aircraft design is still basically used in production today and remains an excellent training craft for civilian pilots.

These articles were very useful in the job of assistant project engineer to make detail drawings of each part from the assembly drawings that was all we received for an AT-6 trainer body, elevator and other major parts—all out of resin wood and compressed wood. There were drawings of every cleat on each bulkhead. I made nearly a thousand free hand drawings of these parts.

Resin was applied and the parts were set in a metal jig, loaded onto a rail flat car and run into an autoclave. The leadership of Wright Field (now known as Wright - Patterson Air Force Base near Dayton, OH) objected to bond quality. I was given the job of flight testing them with sand bag simulation loading for air worthiness acceptance and testing of 200 elevators. This showed the bonds were over 90%, and the system was accepted. Metal parts would bend in a dive pullout, but the plywood structure broke away too often.

As the year ended, 800 women were doing the manufacturing work and the need for engineers declined significantly, so I signed up for the Army Air Force, went to navigation school near Houston, and was assigned to the 885th Special Squadron. We flew B-24's across the Mediterranean (whereas Brother LeMay, Sigma '28, used B-29's in the Pacific) at night with celestial navigation taking free French paratroopers to Vichy France and dropping them from 500 feet. Our daylight missions were high altitude formation to targets in France, Italy, Yugoslavia, Austria, Romania, Germany, and Greece. For our work, we received a Distinguished Service ribbon, Distinguished



Flying Medal, air medals, and battle ribbons. That recognition also meant lots of points to get out of service early and return to college. I returned to Houston as a research engineer, received 37 patents, completed over 40 transition papers and became a Fellow of the

continued on page 2

Beans, Bombers, and Mud Pumps

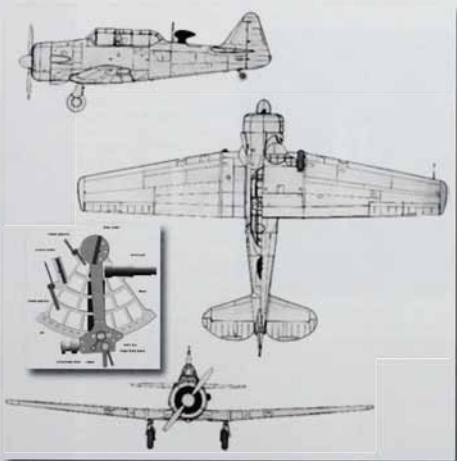
Cont. from page 2

ASME. I also won the Worthington Medal for achievement in pumping equipment. I wrote a book entitled *Know Your Mud Pump* which became the bible in that industry. The book is out of print now, but Amazon now shows used copies for \$310.

In an industry turn down in the early 80's, I finally retired and did consulting work with International Association of Drilling Contractors and ASME petroleum division. I had been on the executive committee of the first Offshore Technology Conference & Exhibit in 1969 (<http://otcnet.org>). Attendance for the conference hit close to 90,000 this year at the Reliant Center in Houston.

I believe my chapter lost its way about President Eisenhower's day. Theta Tau adapted, and I think Carnegie Tech did not. I see Theta Tau has a very new chapter next door at Pitt. As one of the leading schools in the country, I hope it soon has an active Nu chapter again at what they now call Carnegie-Mellon University.

It was a great life, and I am still working on patents for ideas I conceived in recent years. In most respects, I think my life mirrors that of most engineers from our generation. I am grateful to the *Gear* Editor for letting me share my story, and by extension the story of our generation, for the current generation of Theta Tau members.



Brotherhood Celebrated in Houston

by Phil Dolezal, Eta Beta '69

Almost every year for over forty years, University of Houston Eta Beta Chapter alumni and their wives have held an informal get-together to visit and renew friendships. This year the "Old Geezer Group" celebrated at Maggiano's Restaurant in Houston.

from left to right: John Boogee (Eta Beta '66) and wife Sharon; George Manthous (Eta Beta '66) and wife Linda; Fred Himburg (Eta Beta '66); Biddy and Don Scharnberg (Eta Beta '67); Charlene Himburg; Bill Trainor (Eta Beta '67) and wife Kay; Terri Smithers; Francis Simmons; Bob Smithers (Eta Beta '67); Jon Simmons (Eta Beta '67); and Mary Ann and Phil Dolezal (Eta Beta '69).



PROFESSIONAL FRATERNITY ASSOCIATION — 2012 ANNUAL CONFERENCE

Executive Director **Michael Abraham** (left), Epsilon Beta '92, represented Theta Tau at PFA's 2012 Annual Conference in Rochester, New York, this September. PFA is the umbrella group for all professional fraternities and professional sororities in the nation, encompassing hundreds of thousands of graduate and undergraduate student members in a variety of professional disciplines, on over 1,000 college campuses. While no other Theta Tau's were in attendance, Sigma Alpha Iota Past President and current PFA President **Liz Nordling** is married to **Neal Nordling**, Alpha '66, and is mother of **Mark Nordling**, Alpha '90. **John Christopher** (right) is a principal in Fraternal Law Partners (<http://fraternallaw.com/>), based in Cincinnati, specializing in legal and tax matters for Greek organizations. John's father, uncle, and grandfather are Theta Taus from University of Virginia and George Washington University: **John E. Christopher**, Pi '63, **Maxwell G. Christopher**, Pi '59, and **Maxwell Christopher**, Gamma Beta '40. The Christopher family still has wooden badge replica made for Maxwell senior.





From the Grand Regent

By Brandon Satterthole, MA '98

I want to thank everyone that attended our National Convention in Boston over the Fourth of July weekend. The delegates, alternates, other student members, and alumni got a lot of work done in a relatively short amount of time, and we had a great time celebrating our nation's founding in such a historic city. I was honored to be elected Grand Regent by the Convention, and I want to recognize the other members of the new Executive Council and thank them for their willingness to serve the fraternity:

- Grand Vice Regent Matthew Clark, Kappa Beta '99
- Grand Scribe Rachael Stensrud, Xi Gamma '06
- Grand Treasurer Will Brandenburg, Zeta Gamma '04
- Grand Marshal Jamey Vann, Mu Gamma '05
- Grand Inner Guard Sean-Paul Ferrera, Zeta Gamma '06
- Grand Outer Guard Stuart Kardian, Kappa Gamma '06
- Student Member of the Executive Council Rachel McFalls, Kappa Beta '14
- Delegate-at-Large Michael Livingston, Gamma Beta '92

We are excited to kick off the new biennium, and we have big shoes to fill; Past Grand Regent Livingston and the former Executive Councils did a remarkable job in growing and strengthening the fraternity over the past several biennia. Six years ago during a planning retreat, the Executive Council took a step back from the day-to-day operations of the fraternity and instead spent time discussing what the vision was for the fraternity and where we wanted it to be in ten years. We came away from that retreat with goals of growing the fraternity in size,

increasing the interaction of student members and alumni with the national fraternity, and promoting the concept a balanced program of service, professional development, and brotherhood that distinguishes Theta Tau both nationally and at the chapter level.

The fraternity has made great progress since that time. We currently have 2215 student members, and this is the first time we have ever had more than 2000 student members; it is more than twice as many student members as we had just five years ago. Our average chapter size is 39 members – larger than at any other time in our history. And this past year, we initiated 1129 new members – more initiates in just one year than we had student members as recently as 2007. In the last biennium, nine new chapters were started, and two more will have been installed into the fraternity by the time this article reaches you.

Our chapters have also grown and improved their programs. The number of chapters attaining annual report scores of 700 or better – indicative of a well-balanced program – has grown dramatically, and I'm constantly impressed by the diversity and quality of new activities that our chapters offer. The national

fraternity has similarly worked to expand the balanced program that it offers to members; we have sponsored a national service project with Habitat for Humanity during spring break for the past three years, and the National Alumni Club organized its second alumni weekend this past spring.

We want to continue the fraternity's growth. We currently have eight active colonies, and we want to fill in the map with Theta Tau groups on even more campuses. Of course all of this work and growth has required a large amount of effort by our students and alumni volunteers, and we can always use more help. We have new chapters springing up all over the country that don't have alumni of their own, and they would love to have local alumni involvement, whether for mentoring, professional development opportunities, or fellowship and brotherhood.

The rest of the Executive Council and I are excited about the upcoming biennium, and we look forward to working with you all. I hope to see you at an upcoming chapter installation, alumni event, Habitat for Humanity spring break, or at next summer's Leadership Academy.



2012-14 Executive Council.

From the National Alumni Club

by Katie Griffin, Xi '02, Alumni Programming Director

This past March, the National Alumni Club held its second alumni weekend in Sonoma, California. The alumni weekend in Sonoma was a big success with over 20 people attending, including many of the same alumni from our Las Vegas weekend in 2010. Beautiful weather, delicious wine, and fantastic brotherhood made for an enjoyable weekend. On Friday, alumni enjoyed wine tasting in the hotel lobby while discussing Theta Tau and sharing our employment stories. Saturday, we organized a bus tour through Sonoma Valley visiting three local wineries, after which many of our group stuck together to stroll through town for more wine tasting and window shopping. Later that night, we met for an excellent dinner together.

In July, a large number of alumni attended the National Convention in Boston and interacted in numerous activities, both

formally and informally. Alumni attended tours at Fenway Park and Samuel Adams Brewery, watched fireworks on the Fourth, and rode on Duck tour boats, among many other activities.

The National Alumni Club is energized for the new biennium. In the past year we have had increased involvement from our Regional Alumni Representatives who are attending Regional Conferences to interact with alumni, and we aim to build on this progress by hosting smaller regional alumni events more frequently throughout the year. There are also plans to improve the interaction between other alumni clubs and help new alumni clubs get started.



Alumni Club outing to Sonoma.

If you are interested in joining the National Alumni Club, volunteering to help the National Alumni Club in any capacity, or have any ideas or comments, please contact us at nac@thetatau.org!



Alumni reception at 2012 National Convention.



ZETA CHAPTER Celebrates 100 Years

Student members and alumni of Zeta Chapter who attended the Centennial Anniversary Banquet on April 14, 2012

An opening reception was held on April 14, 2012 at the Carnegie Building in downtown Lawrence. This building, hosting a museum dedicated to the early history of Kansas, was a perfect setting to begin the weekend reuniting both members throughout the decades of our chapter's existence. Heavy hors d'oeuvres were served buffet style to allow members to mingle and view the historical display created for Centennial with the help of donations to the Zeta Cogs campaign. Brother T. Michael Garrison, Zeta '62, gave a lighthearted opening address in which he spoke about his time as a member and advice on professional careers.

Saturday morning began with Zeta Chapter's semiannual clean-up of Dad Perry Park. The members collected several bags full of trash to be properly disposed. Jordan Zachy, Zeta '15, won the trophy for the best collected piece of trash, a cardboard sign asking someone to Prom. Members and alumni then played some ultimate Frisbee and other lawn games until



Past Grand Regent Dodd addresses attendees.

lunch was ready. Standard cookout faire was served such as burgers, potato salad, and fruit.

As the culminating event of the weekend, the banquet Saturday night at Macelli's in downtown Lawrence was a truly special

event. With many alumni from several decades present, as well as the historical display of documents from 100 years of Zeta Chapter, the event was a memorable experience to reflect on how our chapter has grown over 100 years. The night's program



Members and alumni interact at the Dad Perry Park cookout

began with Brother Glen Wilcox, Omega '90, attending on behalf of the Executive Council as Delegate-at-Large, presenting a framed certificate congratulating Zeta Chapter on our centennial anniversary. Brother Steven Choi, Zeta '05, then spoke about the more recent history of Zeta Chapter including a tumultuous time in our history when we were down to only three active members. Brother Regent Erik Deddens, Zeta '13, spoke next with a state of the chapter address focusing on the accomplishments of the current members in continuing Zeta Chapter's tradition of excellence at the University of Kansas. Finally, our keynote speaker, Brother George Dodd, Zeta '60, gave an address on his time as Grand Regent. He spoke about the changes in our fraternity including the addition of women to

be eligible for membership. It was a memorable night for the current members to have the opportunity to hear from some of the alumni who have contributed so much to make our Chapter and Theta Tau better organizations.

Members and alumni gathered one last time at the chapter house on Sunday morning for a breakfast. It was a great opportunity to sit and talk with our regional directors and recent alumni about the state of the chapter and our goals for the future.



T. Michael Garrison giving opening address

Rho Alumni Club Update

by Mike Thompson, Rho '01, Secretary, The Hammer of Rho Alumni Club

Last year, the Hammer of Rho Alumni Club (otherwise known as THOR) started assisting with speaking roles in Rho Chapter initiations, and the club held meetings at Rho Chapter's 2011 spring and fall beach trips. The alumni club held its annual meeting in January and elected Brother Brett Pearce, Rho '08, as President and Brother Michael Thompson as Secretary. The alumni also hosted a camping trip at our old site in Pisgah National Forest in March.

Last fall we formed an alumni charity bowling team at the request of Brother Tunney, Rho '04, to raise money for St. Baldrick's to help fight childhood cancer in support of Eve Griffith. Our team ultimately won the tournament thanks to the superior skills of Brothers Culbreth and Patterson. In the beginning of 2012, the student and alumni participants



Certificate of Appreciation and flag flown in combat by the 336th Expeditionary Fighter Squadron recognizing donations to the troops in Afghanistan.



Alumni camping trip.



Rho Chapter brothers and guests at the National Convention in Boston.

in St. Baldrick's managed to raise close to \$1900. Additionally, our donations from last year of gifts and cards to the troops in Afghanistan were recognized by a certificate of appreciation to the Chapter, Little Sisters, and Alumni Club, and a flag flown in combat by the 336th Expeditionary Fighter Squadron.

This year we held our thirteenth annual July 4th cookout. We also continued the tradition of monthly meetings at the Flying Saucer in Raleigh, which has been supplemented by weekly social events on the

second, third, and fourth Thursdays which alternate between dinner, game, and movie nights. If you are in the Triangle area, we would love to have you attend.

This summer the club sent a large delegation to National Convention to see Brother Joseph Dyer (Vice Admiral, USN, Ret.) inducted into the Alumni Hall of Fame. While in Boston we were able to tour the USS Constitution and Grand Masonic Lodge, as well as take the Super Duck Tour of downtown and the harbor.



Brothers Matthew Tannev, Rho '04, and Del-Michael Lawson, Rho '10.

In the following months we will again be raising money to support Team Eve in the Triangle Cure Search Walk (<http://www.curesearchwalk.org/triangle/teameve>), and we are looking at participating in additional philanthropic and professional development events. Upcoming brotherhood events will possibly include whitewater rafting, camping, and a trip to an amusement park. In 2012 we hope to continue expanding our operations and helping to strengthen the bond of brotherhood between the Theta Tau members in the Triangle area.

2012 Convention Award Summary

Thanks to all those who made our 2012 National Convention an outstanding and memorable event. A special thanks to our Convention Sponsors, Herff Jones, GEICO, and the James R. Favor Company! Here is a brief recap of all the award winners:

20% growth chapters that grew by twenty percent from the previous year

Alpha, Beta, Kappa, Epsilon, Mu, Omicron, Tau, Upsilon, Kappa Beta, Omicron Beta, Rho Beta, Tau Beta, Upsilon Beta, Eta Gamma, Kappa Gamma, Lambda Gamma, Mu Gamma, Epsilon Delta, and Zeta Delta

40+ growth chapters maintaining of 40 or more members
Epsilon, Zeta, Kappa, Phi, Chi, Gamma Beta, Kappa Beta, Rho Beta, Tau Beta, Psi Beta, Delta Gamma, Zeta Gamma, Eta Gamma, Theta Gamma, Iota Gamma, Kappa Gamma, Lambda Gamma, Omicron Gamma, Rho Gamma, Tau Gamma, Upsilon Gamma, Psi Gamma, Epsilon Delta, Zeta Delta, Eta Delta, Theta Delta

700 Club chapter scoring 700 or more points on the Annual Report

Alpha-768, Zeta-810, Kappa-700, Mu-731, Chi-881, Kappa Beta-812, Xi Beta-733, Chi Beta-705, Delta Gamma-756, Theta Gamma-788, Kappa Gamma-890, Omicron Gamma-728, Rho Gamma-744, Chi Gamma-706, Zeta Delta-717, Iota Delta-731, Lambda Delta-713, Mu Delta-798

Efficiency Award meeting paperwork requirements in timely/complete manner (includes \$50 reward)

Zeta, Kappa, Mu, Upsilon, Chi, Gamma Beta, Kappa Beta, Xi Beta, Chi Beta, Psi Beta, Omega Beta, Delta Gamma, Theta Gamma, Iota Gamma, Kappa Gamma, Lambda Gamma, Upsilon Gamma, Eta Delta, Mu Delta

Size Target Award chapters meeting their size target (includes \$250 reward)

Epsilon, Zeta, Upsilon, Gamma Beta, Kappa Beta, Tau Beta, Delta Gamma, Eta Gamma, Kappa Gamma, Lambda Gamma, Rho Gamma, Tau Gamma, Epsilon Delta, Zeta Delta, Theta Delta

Adviser of Excellence

Dr. John Owens, Omicron Gamma - University of California, Davis

National Robert E. Pope Outstanding Student Member

Colin Davidson - Zeta '12

Outstanding Delegate as determined and elected by fellow delegates

Christian Lilley - Rho '13

Alumni Hall of Fame Inductees as determined by AHF Selection Committee

James H. Aylor - Pi '65, William A. Estes - Chi '61, Lawrence Mulholland - Beta '55, Richard C. Warder - Omega '58, Janice L. Witala - Omicron '90

Best Brotherhood Event

Omicron Gamma-1st, Alpha-2nd, Epsilon Beta-3rd

Best Community Service Event

Kappa Beta-1st, Epsilon Beta-2nd, Omicron Gamma-3rd

Best Professional Development Event

Alpha-1st, Zeta Gamma-2nd, Omicron Gamma-3rd

Best Chapter Newsletter

Omicron Gamma-1st, Epsilon-2nd, Eta Gamma-3rd

Best Photo

Mu Delta-1st, Omicron Gamma-2nd, Zeta Gamma-3rd

Best Website

Kappa Beta-1st, Omicron Gamma-2nd, Mu Delta-3rd

Member Miles the number of attendees multiplied by the miles travelled to convention

Rho Gamma

Best Delegation awarded to one chapter in each region for convention participation and involvement

Phi Gamma - South Central; Alpha - Central; Chi - Western; Chi Beta - Great Lakes; Psi - Atlantic; Mu Gamma - Northeast; Omega Gamma - Southeast

Founders Award chapter showing the greatest improvement in annual report score

Alpha

Erich J. Schrader Award chapter with the highest annual report score

Kappa Gamma

At the [Theta Tau National] Convention, I felt an instant sense of brotherhood and connection with even the most distant chapters. I realized how many chapters were experiencing the same problems that we were with recruiting and contacting alumni and received more feedback on how to resolve the issues that I know what to do with.

Along with meeting chapters, I had many opportunities to talk one-on-one with many of the national officers and found out they are, in fact, very human, very friendly, and very approachable. Meeting them really takes away the mystery and will make it so much easier to send them a quick e-mail or [make a] phone call.

Overall I found the National Convention to be very revolutionary in how I see our fraternity as a whole, and I would recommend the trip to any brother that is able. 🙌 Chris Cena, Beta Chapter Regent



2012 Convention attendees tour Fenway Park.





Convention attendees visit the USS Constitution.



Founders Award winner Alpha Chapter with Executive Director Abraham and Grand Vice Regent Wiseman.



From left to right: Outstanding Delegates past and present. Outstanding Delegate Christian Lilley and his fiancé, Grace Pledger, who accepted his proposal at the Convention banquet.

Brother Marlon Taylor Recognized by MSU

Marlon Taylor, Kappa Beta '12, received Mississippi State University's premier student award, the 'Spirit of State' award, which recognizes exceptional personal contributions to student life. Students from all Mississippi State University campuses, first-years to graduate, may be nominated for this Student Affairs recognition, and the 'Spirit of State' Award formally honors those students who have excelled in campus involvement, service to the university, and have made an impact on their peers and the broader campus community. Winners are recognized for their outstanding 'Spirit of State' contributions at a public ceremony.

As an undergraduate student, Brother Taylor participated in the Cooperative Education Program and secured a job with the Mississippi Department of Information Technology Services in Jackson, Mississippi. When asked what has been the most rewarding experience while at MSU, Marlon replied, "If I had to choose one experience that has really made a significant change in myself, I would have to say my involvement in the co-op Program. Through co-op, I was able to experience on-hand job training, which has helped me to define my career goals. In addition to the added experience, I was able to grow more as an adult."

Not only has Marlon excelled professionally and academically, he continues to excel in his involvement on campus and in the community. Marlon has held multiple officer positions for Kappa Beta Chapter of Theta Tau, including Vice Regent and Corresponding Secretary, and he

has served as Webmaster and chaired a variety of committees; last year Marlon was recognized as Outstanding Student Member by his chapter. He is also a member of other student organizations such as Association for Computing Machinery (ACM), the Society of Black Engineers, and Engineering Student Council to increase his knowledge of the industry. Additionally, he serves as a mentor for Project AIM, a program that seeks to provide caring adult mentors for students in grades 3-8 in the Starkville School District.



From left to right: Bill Broyles, Assistant VP of Student Affairs, Marlon Taylor, and Dr. Bill Kahler, VP of Student Affairs.

Paul Michel Memorial Scholarship Awarded to Brother Joshua Fitch

The Paul Michel Memorial Scholarship is awarded each year by the Engineering Technology department of Lawrence Technological University, on behalf of Richard and Mary Michel, to recognize students enrolled in a technology degree program that have faced adversities while completing their degree at Lawrence Tech. This year the department recognized sophomore Joshua Fitch, who suffers from an aggressive form of Leukemia. Joshua's health challenges have made it difficult at times for him to complete the Bachelor of Science in Audio Technology degree. His passion for music and determination to complete his degree have been a driving force for him. Joshua was honored with the scholarship at the 2012 Spring College of Engineering Honors Banquet.



Faculty Advisor Jerry Capet, Joshua Fitch, and Dean of Engineering Dr. Nabil Grace. Photo credit: Ken Cook (of Lawrence Technological University)

A Year of Service at Mississippi State University

by Rachel McFalls, Kappa Beta '14, Service Chair

Over the past year, Kappa Beta Chapter has participated in many service events for a total of 1,500 hours of service. Our two largest service projects and a main focus of our organization were blood drives with Mississippi Blood Services. The fall project, the Transylvania Bowl, was a competition among the three largest universities in Mississippi: Mississippi State, University of Southern Mississippi, and our rival, Ole Miss. Each school hosted a blood drive for three days to collect the most donations. The donors from the winning school were entered into a raffle for a \$1,500 scholarship. Also, the winning school would be awarded the Transylvania Bowl trophy at the Egg Bowl, the Ole Miss vs. MSU football game. In the end, Mississippi State collected the most donations with 300 pints. The spring project, pint for pint, was a St. Patrick's Day themed blood drive awarding ice cream to each blood donor as well as a t-shirt. Learning from our experience with the Transylvania Bowl, we were able to beat our previous personal best

with 305 pints of blood. In blood drives alone, Kappa Beta has helped save over 600 lives.

Our chapter helped plan a Math and Science day held for the students of the Mississippi School for Mathematics and Science (MSMS), a local magnet school where academically gifted high schoolers go for their junior and senior years of high school. Our members participated in a panel discussion to talk about the college experience, each engineering major, and student work experience (i.e. internships, co-ops, and on-campus jobs) at Mississippi State University.

Each year as a part of the Adopt-a-Highway program, Kappa Beta cleans up a one-mile stretch of land just outside of Starkville, Mississippi, and volunteering at the Oktibbeha County Humane Society is a popular service project; members have planted flowers, washed dogs, entertained cats, painted hallways, and cleaned out cages. At Camp Seminole, we have set up campsites,

cleared out overgrown plants, and provided other help as necessary. As a part of Engineers Week, Kappa Beta Chapter hosts a canned food drive in which boxes are placed in each engineering building, and points are awarded to the major that collects the most cans. Every day the boxes are emptied out and brought to the Starkville Food Pantry. As a fundraising activity, we had a garage sale where each member donated several items, and anything not sold was donated to the Palmer Home, a consignment store that benefits a local Orphanage.

Kappa Beta also integrated service into everyday life by doing little things like collecting box tops, soda tabs, and Yoplait lids, proving that service can be easy and rewarding. For our efforts, Kappa Beta was awarded the Mississippi Blood Services Community Allegiance Award, the Outstanding Service Award, the award for Best Student Effort of the Year, and the President's Gold Award for Service.

Professional Engineers Elect Duvall To Executive Committee

Elizabeth Duvall (Hamby) is an alumna member of Zeta Chapter.

Elizabeth Duvall, P.E. of Jefferson City, Missouri was elected to a one-year term as a Board of Directors representative to the Executive Committee of the Missouri Society of Professional Engineers (MSPE), a 1,400 member statewide engineering association headquartered in Jefferson City. As one of two Board of Directors representatives, she becomes a voting member of the society's governing and decision-making body.

Duvall received a BS in Civil Engineering from the University of Kansas before starting work at the Missouri Department of Transportation where she worked as a Construction Inspector and cross-trained in the Traffic Division. She is the current Aviation Program Manager. In January 2008, she received both her P.E. license and a MS degree in Engineering Management from Missouri University of Science & Technology (Missouri S&T) with a focus on project management.

Within MSPE, Duvall is a state director for the Jefferson City Chapter and served as a member of the Publications Committee. She is an alumni of Theta Tau Fraternity and also an avid soccer player, having played in college and coached at Helios Catholic High School from 2007-2011, before leaving to focus on her family's activities.

Summer Service in Detroit

by Joseph Herman, Epsilon Beta '12, and Caleb Latimer, Epsilon Beta '15

Epsilon Beta Chapter at Wayne State University has been focusing on ways to improve our chapter, and we began with community service. Our first events were at Clark Park Coalition where we worked at a Red Wings outdoor practice running booths, selling skating tickets and handing out hot chocolate. We also worked two days of a hockey tournament selling refreshments. After these events, Caleb Latimer, one of our newest members, was appointed the chair of our philanthropy committee, and his efforts in furthering our involvement in community

service have been commendable. So far under his leadership, we have participated in a Focus Hope event assisting in boarding up dilapidated buildings, mail sorting and document shredding for Gleaners Food Bank, running a refreshment stand for Clark Park Coalition, and fundraising at the Pig & Whiskey event held by Ronald McDonald House.

Our chapter was recently recognized for our service efforts at the Theta Tau National Convention, and we could not be prouder of

what we have achieved so far. Going forward, our intent is to make community service a cornerstone of our chapter activities. A number of events are already planned, including some handwork at the Clark Park Coalition and working a Silent Auction Fundraiser at the Ronald McDonald House. Our relationship with the Clark Park Coalition in particular has become very strong, and with further effort, we intend to become regular fixtures at charities throughout Detroit.

Making Life More Attractive in Arkansas

by Stephanie Elbert, Upsilon '14, and Joe Witherington, Upsilon '14

The brothers of the University of Arkansas have been improving their scenery, both large and small. As drivers travel on highway 112 in Fayetteville, Arkansas they will see a large blue sign revealing that Upsilon Chapter of Theta Tau adopted part of the highway. On February 18, 2012, the student members cleaned the road to help maintain its quality, as they do every semester. Recently the student members turned their focus to the chapter table where their Regent and Scribe sit during chapter – the centerpiece for their weekly meetings. They thought it would be neat to spruce the table up and make it more Theta Tau themed, so they voted to paint the Theta Tau flag on it.



Alumni Hall of Fame Laureates Inducted

William A. Estes, Jr., Chi '61

William A. Estes, Jr. was selected for outstanding service to his profession. He graduated from the University of Arizona with a Bachelor of Science degree in Civil Engineering in 1961. After graduation he was commissioned as a Second Lieutenant in the United States Army Corps of Engineers and served two years of active duty in West Germany. In 1963 Brother Estes became Secretary/Treasurer of Estes Bros. Construction Company, and in 1972 Estes Bros. was sold to The Singer Company; Brother Estes became President of the Arizona Division in 1974.

In 1977 he and a partner reacquired the company from Singer, and he became Owner and President of the Estes Company. Under his direction, the Estes Company became predominant in the marketplace and rapidly evolved into one of America's largest and most diversified builder/developers. Development activities included homebuilding, master planned communities, apartments, shopping centers, office buildings, luxury destination resorts and golf clubs.

Brother Estes has served on the Board of several banks including Bank of Tucson, United Bank Bancorp, The Arizona Bank and Stewart Title in Phoenix. He is the President and majority Owner of the Tucson Toros Baseball Club and the Owner of the Tucson Gunners Professional Basketball team. He is a Director of Rancho del Lago, a 1,600 acre development in southeast Tucson, and a member of the National Board of Advisors, College of Business and Public Administration, University of Arizona, Blue Ribbon Commission on Smart Growth, a Board member of Habitat for Humanity Tucson, National Director of the National Association of Homebuilders, Pima County Interfaith Council and President of Catholic Community Services of Southern Arizona, to name a few.

William Estes, Jr. has received many other honors including the University of Arizona Alumni Association Centennial Achievement Award, 1977 Builder of the Year Award, 1984 Outstanding Citizen of Tucson Award, 1986 Distinguished Citizen Award from the University of Arizona Alumni Association, and the 1990 Distinguished Citizen Award from the National Benevolent Association.

Lawrence Keith Mulholland, Beta '55

Lawrence Keith Mulholland was selected for outstanding service to his profession. Brother Mulholland received his Bachelor of Science degree in Mechanical Engineering from Michigan Technological University in 1955.

Mulholland's career started at Clow Corporation in Chicago. He then worked at Saginaw Products in Saginaw, Michigan before moving to Los Angeles where he worked for Republic Corporation and then Beckton Dickinson. In 1971 he founded Mulholland Positioning Systems, Inc. and served as CEO. His company designs, manufactures, and markets equipment designed to meet the needs of physically challenged children. Mulholland's durable, handmade equipment has positively impacted the lives of many people with cerebral palsy, spina bifida, and other types of motor development disorders. Mulholland Positioning Systems works directly with families, therapists, physicians and clinicians to design the most effective tools for mobility. Brother Mulholland holds nine patents in this field. Mulholland Positioning Systems has distributors worldwide including the United Kingdom, Norway, Denmark, Italy, Portugal, Spain, Japan and Australia.



Brother Mulholland was a member of the American Society of Test Engineers, and the Society of Mechanical Engineers, and he was inducted into the Academy of Mechanical Engineering and Engineering Mechanics at Michigan Tech in 2002. He was a Past President of the Rotary Club, and he established the Mulholland Positioning Systems Inc. Annual Scholarship Fund at Michigan Tech in 2000.

Richard Currey Warder, Omega '58

Richard Currey Warder was selected for outstanding service to his profession. He received his Bachelor of Science degree in Mechanical Engineering from South Dakota School of Mines and Technology in 1958. He went on to earn his Master of Science and Ph.D. in Mechanical Engineering from Northwestern University in 1959 and 1963 respectively.

Brother Warder began his career as an Assistant Professor at Northwestern for two years. During that time he was also a Consultant to the Office of Science and Technology, Executive Offices of the President of the United States. In 1965 he joined Litton Industries Space Sciences Laboratories in Beverly Hills, California, first as a member of the Senior Technical Staff and later as Manager, Energy Processes Research. In 1968 he joined the faculty of Mechanical and Aerospace Engineering at the University of Missouri-Columbia, becoming department Chairman in 1988, and the James C. Dowell Professor of Engineering in 1989 before becoming Dean of the Herff College of Engineering & Professor of Mechanical Engineering at the University of Memphis in 1994 continuing through the present time.

Along the way he was Program Manager, Office of Systems Integration and Analysis at the National Science Foundation from 1974-75 and the Head of the Resources Section, Division of Advanced Energy and Resources Research and Technology in 1975-76, while also a Professorial Lecturer in Engineering at George Washington University.

He has published two books, *Physico-Chemical Diagnostics of Plasmas* in 1964, and *Indoor Air: Pollution and Quality Control* in 1993, and has authored more than two dozen papers in his field. He has been honored by the University of Missouri-Columbia Alumni Association with its Faculty-Alumni Award in 1993, is a Fellow of the American Association for the Advancement of Science and American Society of Mechanical Engineers, is an Associate Fellow for the American Institute of Aeronautics & Astronautics, was initiated into the Golden Key National Honor Society in 2002, and received the Distinguished Alumni Award, South Dakota School of Mines and Technology in 2004.

Brother Warder has served on the Board of Directors of the Columbia Montessori Society and the Columbia Soccer Club where he was President in 1978. He was a Referee and later Referee Assessor for the Major Indoor Soccer League from 1978-1986 and was a member of the Tennessee Air Pollution Control Board from 2002-2004.

James Hiram Aylor, Pi '65



James Hiram Aylor was selected for outstanding service to his profession. Brother Aylor received his Bachelor of Science, Master of Science and Ph.D. degrees in Electrical Engineering from the University of Virginia in 1968, 1971 and 1977 respectively. He supported the Fraternity's effort in 2012 to revitalize Pi Chapter at the University of Virginia. In his own words, "It is an honor to be inducted into the Theta Tau Hall of Fame. It is an excellent organization, made up of people I highly respect and who I rely on as colleagues."

He has spent his entire career on the faculty of the Electrical Engineering Department at the University of Virginia School of Engineering and Applied Science. From 1996 - 2003 he served as Department Chair of Electrical Engineering and then 7 years as Associate Dean of Academic Programs before taking over as Dean of the college in 2010. He was also a Visiting Scientist at IBM's Federal Systems Division in 1982-83.

Brother Aylor has been involved in all aspects of the digital design process for over 25 years. He has directed work in the areas of system-level modeling, concurrent error detection, automatic test pattern generation, hardware description languages, Very Large Scale Integration (VLSI) system design, and embedded computing. He has served as Principal Investigator or Co-Principal Investigator on over 35 contracts and has authored or co-authored one book, four book chapters and over 150 technical articles.

In 1993 he served as President of the Institute of Electrical and Electronic Engineers (IEEE) Computer Society, and from 1994-96 he was a Division Director of IEEE and a member of the IEEE Board of Directors. During 2001-02 he served as President of the Electrical and Computer Engineering Department Heads Association. Just this year he became the Editor-in-Chief of *IEEE Computer*, the flagship magazine received by more than 100,000 IEEE Computer Society members. Dr. Aylor is a fellow of IEEE, and received the Richard E. Merwin Award for Distinguished Service to the IEEE in 1999, the Computer Society Distinguished Service Award in 1998, and the IEEE Third Millennium Medal in 2000.

Janice Lynn Wiitala, Omicron '90

Janice Lynn Wiitala was selected for outstanding service to our fraternity. She received her Bachelor of Science degree in Industrial and Management Engineering from the University of Iowa in 1990. As a student member she served Omicron Chapter as Inner Guard and Vice Regent, and she was named Outstanding Graduating Senior by the University of Iowa College of Engineering.

Brother Wiitala began her career as Quality Assurance Engineer for Litton Instruments and Life Support Systems. From 1991 – 1995 Janice was Quality Manager and Senior Industrial Engineer for Continental White Cap, Inc. Her role in quality management and engineering focused on reducing production cost and improving performance and quality.

Since 1995 Janice Wiitala has been the Director of Research and Development for the Healthcare Financial Management Association (HFMA). Janice leads the research team supporting the association's mission to advance the profession. In this capacity she oversees thought leadership and published research to provide direction to the industry and leads product development research to create and improve services. HFMA is the leading membership organization for over 39,000 healthcare financial management executives and leaders, and she has contributed to nearly two dozen publications in her field.



As a Theta Tau alumna, Brother Wiitala served the National Fraternity from 1990-1996 as Alumni Programs Director, Professional Development and Philanthropy Director, and Central Regional Director. She served with distinction on the Executive Council from 1996-2002 as Grand Marshal and Grand Scribe, and has served on the Educational Foundation since 2003; she is currently President of the Foundation. Janice was one of the inaugural leaders of the Theta Tau Leadership Academy, and to date, almost 1,800 students have participated in the Academy and over 100 have completed an advanced training program.

Brother Wiitala is a member of the American College of Healthcare Executives, the Society for Healthcare Strategy and Market Development, and the Association for Healthcare Resource Materials Management. She has been involved with the Greater Chicago Food Depository, and Habitat for Humanity where she served as the Education Program Chair for the Greater Chicago Habitat for Humanity in 2004.

Dyer Receives Hall of Fame Plaque

2011 Alumni Hall of Fame Laureate Joseph Dyer, Rho '64, was on hand at the 2012 Convention and received his induction plaque. Brother Dyer is Chief Strategy Officer for iRobot after retiring as Vice Admiral in 2003 from the US Navy.



Restoring a Unique Local Attraction

IN CALIFORNIA by Jamie Tipton, Omicron Gamma '12

The Davis domes, home to roughly 28 students from University of California, Davis, is an on-campus cooperative housing community. Part of the Sustainable Research Area, the community consists of 14 polyurethane-insulated fiberglass domes. Forty years old, the area was in need of a substantial facelift, and after much collaboration, the domes were approved for renovations. Omicron Gamma Chapter spent a weekend helping to restore the area, repairing the interiors of the domes, refurbishing walkways, and weeding and plowing the gardens.

The best part of this project was that it was held right in our backyard. This local Davis landmark is an integral part of the community and exemplifies the culture of the city. Our members went hammer and tongs at pulling weeds and plowing the soil, and the end result was worth it. The project was so rewarding because we were giving directly back to our community and home. For a few hours of time, our chapter helped restore a local attraction to its original splendor.

Our efforts did not go unnoticed either. The project attracted local media, and a few of our members were interviewed for a local news station, giving us the opportunity to explain the project, as well as talk about our chapter and Theta Tau on public television. Overall, it was a rewarding day helping our community together while promoting Theta Tau.



Brothers Tommy Wang and Janine Watson interviewing for a local Davis news station.



Brothers Derrick Cheng and Janine Watson at work renovating the domes



Brothers Ashley Martin and Amy Cunningham (Community Service Chairs) weeding the dome gardens.

A Trailblazer in Zambia

Reprinted with permission of ODU's
March magazine.

Brother Makayi was initiated into Upsilon
Beta Chapter of Theta Tau in 2006.

First Female Engineer for Mining
Company **Mfikeyi Makayi '07,**
Bets Against the Odds

Mfikeyi Makayi '07 (M.E.E. '09) is the first female engineer in the history of the giant Zambian mining company Kansashi Mining PLC, and as such faces daily challenges. Because she feels she's at a disadvantage as the only Zambian woman - for now - working at her level in the engineering mining division, Makayi said she has relied on lessons she learned in her seven years in Norfolk.

"I think generally it's the American way, where the underdogs keep fighting until they win," she said. "All you have to do is look at American movies that have underdog themes - 'Rocky,' 'Remember the Titans,' 'Dodge-Ball.' Such a way of thinking promotes one's self-belief against the odds."

Makayi has so far beaten those odds. The now-28-year-old was born in the Zambian capital of Lusaka, growing up with her parents and three brothers (her father died in 2009). She came to Old Dominion in 2002 after being awarded an International Student and Scholar Services scholarship out of high school.

"My time at ODU forced me to be truly independent, determined and a go-getter," she said. "I had great professors and met my best friends at ODU, so the environment I found and developed in around Norfolk prepared me adequately to deal with such a demanding job."

One of her academic mentors at the university was Saikou Diallo, then a doctoral student and now a research assistant professor at ODU's Virginia Modeling, Analysis and Simulation Center. Diallo, also from the African continent, was impressed with his young colleague.

"Mfikeyi is a very bright young lady whom I met during her undergraduate studies at ODU," he said. "She has a great personality to boot. We became fast friends and I always enjoyed her sense of humor and commitment to helping others. She is an asset to her family and community and has a great future in this world."

Makayi earned her B.S. in civil engineering and then received permission from the U.S. Citizenship and Immigration Service to remain in the country and work for one year. When the world economy sagged in 2008, Makayi returned to ODU to pursue a master's in environmental engineering, which she received in December 2009.

She currently splits her time between Zambia and the United Kingdom, where her company is sponsoring her Master of Science in mining engineering from the University of Exeter in Cornwall, England. She is scheduled to complete that degree in June 2013.



-Brendan O'Hallarn

Building Business SAVVY

By Melanie A. Farmer, *Columbia Engineering Magazine*, Spring 2012
Reprinted with permission

When it comes to shopping around a business idea or breaking into a new industry, it pays to know someone who has been there, done that. That is one of the reasons why Columbia Engineering has created a mentorship program for students specifically interested in entrepreneurship.

The Columbia Engineering Entrepreneurship Mentoring program, which began last January, immediately attracted a sizable group of Engineering alumni who wanted to advise budding entrepreneurs. Nearly 45 business savvy Engineering alumni across the United States have volunteered to be mentors, and to date, 40 students are actively participating in the new program. Mentors are assigned not only to Engineering students but also to undergraduates, graduate students, and even young alumni from any Columbia school.

Engineering senior David Mills was a fan of the mentorship program right off the bat. Mills works on the start-up Sportaneous, a social sporting company, with its founders Omar Haroun, a graduate student at Columbia Business School and the Law School, and Reuben Doetsch, a Columbia College senior. Down the road, Mills hopes to start his own business centered on sports and hospitality—two areas that interest him the most. Having an adviser who clearly understands his business goals is key.

"I wanted advice on how to navigate corporate America before I start my own business," says Mills, whose mentor is William Hooper Theta '71, MS'73, '74BUS. "Bill has been able to counsel me on the relationships I need to identify and build. He also helps to validate the crazy ideas I have and want to pursue. He gives me honest advice."



Alumni mentor Bill Hooper talks to student entrepreneurs at an Engineering School networking event.
Photo Courtesy of Columbia Engineering

Hooper, a big proponent of mentorship programs, currently mentors three Columbia students. The benefits of a solid mentor-mentee relationship are tremendous, he says, and it pays to pass on years of professional experience and life lessons to young people who are just getting started.

"There's no reason to reinvent the wheel," says Hooper, senior business development consultant at the Hooper Group and formerly a senior vice president at Citigroup. "Mentors help young people avoid critical mistakes that we may have made. The bottom line is that it's an opportunity for me to help young people achieve their vision of personal success."

The program has afforded him a chance, as well, to stay connected to Columbia and its students.

"It's an opportunity for me to give back to the University, and as a mentor, to support these students with my 40 years of experience," he adds. "It's energizing to be a mentor."

Columbia Engineering alumni mentors represent a range of industries, including finance, technology, civil engineering, health care, retail, and more. The program provides just enough structure to ensure the mentor-mentee's relationship takes hold.

The outcomes from these relationships vary. In many cases they result in the launch of viable businesses that attract customers, revenues, and investors, but this is not the only measure of success. All the participants in the program, both mentor and mentee, begin to understand the real value of a life-long connection with the Columbia Alumni community.

The mentorship program is part of the Engineering School's focus on promoting a culture of entrepreneurship and innovation in and around Columbia Engineering. To find out more about the program and how to participate, contact Christopher McGarry at cm3014@columbia.edu.

Engineering at Picnic Day

by Janice Tippins, Omicron Gamma '12



Brothers Amy Tang, Derrick Cheng, and Joseph Kwame lead tours for the College of Engineering.

The campus was swarming with tens of thousands of visitors on a sweltering April day; the slight smell of farmland and cattle was in the hot air. It was Picnic Day at the University of California, Davis, renowned as the largest student-run event in the United States. Picnic Day is an annual open house that features a long day of parades, exhibitions, competitions, wiener dog races, and much more.

This year Omicron Gamma Chapter hosted a Rube Goldberg competition. A Rube Goldberg machine is a contraption that is purposefully over-engineered, incorporating a series of complicated steps in order to complete a simple task, and this year's competition required teams to design a machine that would pop a balloon. Thanks to sponsors like Intel, the competition's grand prize of \$400 encouraged many teams to compete.

In addition to hosting the Rube Goldberg Competition, our chapter also lead tours for the College of Engineering. These tours guided people through the engineering buildings on campus, teaching them about engineer-student life, showing them the labs, and explaining the organizations and clubs the campus has to offer. It was a great way to advertise our chapter and capture the interest of young engineers.

Participating in Picnic Day celebrations with their high energy and liveliness is always a fun experience. Our members are able to showcase Theta Tau while giving back to the campus and having a

great time. Picnic Day also serves as a great way to communicate with people both inside and outside of the university; maintaining our relations with the College of Engineering and campus faculty has always proven itself as a valuable asset and helped to open doors for many other opportunities. Picnic Day could not go smoothly without help from our brothers, and it is definitely a highly anticipated tradition for our chapter.



Brother Fred Padron (Rube Goldberg Chair) explaining the competition to the public and demonstrating his homemade Rube Goldberg machine.

Nearly 50 Brothers meet in Dallas, TX

Quite a few Theta Tau members from Mu Chapter (University of Alabama) and Theta Gamma Chapter (University of Michigan) visited Dallas, TX for the big football game between their schools during Labor Day weekend. Grand Regent Brandon Satterwhite, Mu '98, and Gear Editor Allison Pollard, Tau Beta '05, organized a dinner on Friday night for everyone to get together, including members from Tau Beta Chapter (Southern Methodist University) and local alumni from other chapters. Nearly 50 brothers attended, and a great time was had by all!



BROTHERLY BONDING *at the Beach*

by Robert Scott, Omega Gamma '15

The Omega Gamma Chapter at Florida International University had a successful brotherhood camping retreat celebrating our two year anniversary. Our brothers traveled by boat to Peanut Island off the coast of Florida. During the day we enjoyed a large barbecue on the beach and had fun playing sports and swimming. After the long day at the beach, we spent the night around a bonfire with s'mores and sharing stories of our Theta Tau experiences. The brotherhood retreat was a great bonding experience for all of our brothers, and we can't wait for next year's celebration.



An Unexpected Visit to Offer HELP in California

by Kim Alexis Dalvid, Mu Delta '13

At the University of California, Merced, Mu Delta Chapter started the school year with a lighthearted meeting followed by serious planning – it is that time of the semester where we are focused on recruiting new members. On the first day of our big recruitment week, Lambda Delta Chapter (University of the Pacific) surprised us with a visit to help us clean for our Meet and Greet event. They arrived after the event ended, but we were still able to bond, connect, and exchange information. We enjoyed spending time with our brothers from Lambda Delta Chapter, and thank you to everyone who came to visit us! We appreciate the support they offered, and we hope more chapters will do the same for those near them – a surprise visit to lend a hand to another chapter can lead to a stronger brotherhood.



After a long day at Meet and Greet, brothers from Lambda Delta and Mu Delta relaxed at a member's house.



Lucy Ribben (Mu Delta '13) and Jose Garcia (Mu Delta '14) preparing for Meet and Greet.

Expansion Highlights

Marshall Colony

Gerald Rince, Marshall Colony '13

Prior to becoming a colony, our group was operating under the name Delta Rho Delta Theta and had its very first meeting on November 29, 2011. During that first meeting, networking and service projects were discussed at length, including contacting Theta Tau alumni in the surrounding areas, possibly partnering with the Huntington Engineer's Club, organizing a food drive for a nearby homeless shelter, and holding a blood drive that was scheduled to take place the following semester.

On April 7, 2012 we were certified as a colony of Theta Tau. Not all members were able to attend, so the remaining members were initiated two days later. Going forward, the Marshall Colony plans to build upon its brotherhood, professional development, recruitment, and fundraising. To strengthen our brotherhood, we are considering a variety of activities such as camping, bowling, rafting,



zip lining, and having a cookout; a tour of the Carr concrete plant and hosting mock interviews and a resume workshop are being planned for professional development. To serve our community, organizing a food drive, volunteering for Habitat for Humanity, and

hosting a pancake breakfast are being discussed. We are planning for a very busy and successful semester, and we are proud to be a colony of Theta Tau.

Kappa Delta

Cornell University was installed as the Kappa Delta Chapter of Theta Tau on April 15, 2012; the group was certified as a colony almost exactly two years earlier on April 18, 2010. Cornell University and its students have frequently been recognized for their commitment and devotion to the community, and the chapter members believe that as a collection of some of Cornell's finest engineers it is their responsibility to be leaders both on and off campus.



Expansion **Highlights**

University of California, Riverside Colony

*Vinici Scellita Jr., University of California,
Riverside Colony '12*

On May 19, 2012, at the University of California, Riverside (UCR), twenty students were initiated as colony members into Theta Tau Fraternity, and it was encouraging to see other Theta Tau colonies and chapters at our certification ceremony along with national officers and alumni.

Before becoming a colony, the Theta Tau UCR interest group had begun to make a name for itself within the school and engineering community through numerous successful events. Formed in January 2012, we held weekly tutoring/homeework help sessions, participated in E-week where our members built a solar-powered water pumping system, built a mini Rube Goldberg machine for an outreach program for high-school students and parents, and even made it to the playoffs in co-ed intramural football! Our colony members also recently hosted the Salas O'Brien Engineering Company site tour, as well as provided food for the end-of-the-year Bourne College of Engineering luau banquet that over 250 students, staff, alumni, friends, and faculty attended.

The colony's upcoming plans for the 2012 - 2013 school year have already stirred excited discussions; we plan to let every student, faculty, and staff member know about the most promising organization and first



professional engineering fraternity established at the University of California, Riverside. We are anxiously anticipating our recruitment events this fall and participating in a new program, called FRESH, which will be implemented for the first time at UC Riverside. FRESH is an opportunity for newly admitted engineering students to form an immediate professional connection to the College of Engineering. The one-month program serves to strengthen the engineering community and promote camaraderie.

Thanks to Brother Henry Coil, an alumnus of Theta Tau in UC Berkeley and CEO of Tilden-

Coil Industries, the colony will be issuing five \$1,000 scholarships to promote various disciplines in engineering, mathematics, and science. This year we will also be attempting to set a Guinness World Record for the fastest time to make 1,000 peanut butter and jelly sandwiches and creating a Rube Goldberg project, where volunteers and friends will be able to exercise their creativity and engineering to build an amazing contraption. It will be a truly amazing year, and the University of California, Riverside Colony is eagerly looking forward to bringing the fruits of this truly incredible fraternity to our campus.

Mu Delta

by Kion-Alexis Daliva, Mu Delta '13,

Corresponding Secretary

On May 2, 2010, the University of California, Merced Colony was certified. After two years, the colony recruited over 50 members and has developed significantly over the years; we helped Merced with city-wide cleanups and festivals and started a tradition of hosting an engineering competition for local high school students. We have even started a fundraising tradition called "Theta Chow" where we fundraise at local restaurants. On top of that, we have established innovative brotherhood bonding activities through our end-of-the-semester retreats and a friendly, semester-long



competition among our brothers intended to strengthen the fellowship between us.

On April 29, 2012, the University of California, Merced Colony became Mu Delta Chapter

of Theta Tau, and we would like to express our gratitude to everyone for welcoming us into the fraternity.

Lambda Delta

by Kirstin Kita, Lambda Delta '13

Photos by Curtis Yamanaka, Lambda Delta '11

On Saturday, April 21, 2012 then Grand Marshal Brandon Satterwhite and Western Regional Director Xander White were welcomed into Stockton, CA to lead the soon-to-be Lambda Delta Chapter in a planning meeting to discuss the future of our group. Also in attendance at the planning meeting was our adviser and Assistant Dean of the School of Engineering and Computer Science, Dr. Gary Martin. Excited for our installation, at midnight Brother Xander White and some of our colony alumni joined us as we painted the University of Pacific rocks with Theta Tau insignia.

The following afternoon two ceremonies were held – the first to install 39 charter members and the second to install the remaining 30 initiates. We were honored to have several guests in attendance; our neighbors from Omicron Gamma Chapter (University of California, Davis) came to support us along with Grand Regent Michael Livingston

(Gamma Beta '92), Grand Treasurer J. Matthew Clark (Kappa Beta '99), Grand Marshal Brandon Satterwhite (Mu '98), Western Regional Co-Director Xander White (Tau Gamma '09), Bill Kincaid (Pi '62), Chen Xu (Kappa '08), Regine Labog (Epsilon '11), and Kimberly Rovai (Omega Gamma '11).

Immediately following the second initiation ceremony, a banquet was held at the newly built Alex and Jeri Vereschagin Alumni House. Also joining us at the banquet were faculty members Assistant Dean Gary Martin, Associate Dean Louise Stark, and Dr. Camilla Saviz. While the group ate a delicious meal of chicken and pasta prepared by the school's catering company, Bon Appétit, a slideshow created by our own Jeremy Bagnol and Camila Carvajal cycled on a loop. Preceding dinner, congratulatory letters from Executive Director Michael Abraham, Epsilon Beta '92, and past Grand Regent George Dodd, Zeta '60, were read.

As keynote speaker, Grand Regent Michael Livingston reminded us of a journey taken by



Dorothy, the Tin Man, the Lion, and the Scarecrow by paralleling it to our journey of strife and desire to be the best chapter we can be, telling us to step up, take responsibility, and to enjoy our journey. This is where our journey begins as the Lambda Delta Chapter, and we hope to be meeting many of our brothers across the nation very soon!

In Memoriam

ALPHA

University of Minnesota

Kenneth Harold Granquist
Class of 1945, Roll No. 510

Elwood Forrest Rafn
Class of 1949, Roll No. 539

BETA

Michigan Technological University

William Lawrenson Adams
Class of 1954, Roll No. 720

William Andrew Bates
Class of 1934, Roll No. 367

Frederick M. Foster
Class of 1932, Roll No. 324

Eugene John Partvka
Class of 1961, Roll No. 878

GAMMA

Colorado School of Mines

Van Dyne Howbert
Class of 1951, Roll No. 653

DELTA

Case Western Reserve University

Thomas Eugene Brightrill
Class of 1962, Roll No. 989

EPSILON

University of California, Berkeley

Robert Benton Grant
Class of 1938, Roll No. 431

John Frederick Lord
Class of 1936, Roll No. 403

Alden McElrath
Class of 1948, Roll No. 591

Harold Adolf Wollenberg
Class of 1954, Roll No. 788

ZETA

University of Kansas

Harold Arthur Cunningham
Class of 1951, Roll No. 476

George Ernst Shaad
Class of 1935, Roll No. 337

THETA

Columbia University

Paul Ray Mosher
Class of 1938, Roll No. 280

Harrison Bateman Rhodes
Class of 1948, Roll No. 439

IOTA

University of Missouri at Rolla

William David Busch
Class of 1942, Roll No. 405

Joseph George Bushko
Class of 1955, Roll No. 736

Myron Burgett Haynes
Class of 1952, Roll No. 701

John Walter Liddell
Class of 1947, Roll No. 534

Donald Irwin Meyer
Class of 1946, Roll No. 516

William Frederick Oberbeck
Class of 1939, Roll No. 351

LAMBDA

University of Utah

Keith Hyrum Bates
Class of 1943, Roll No. 470

Ralph Chauncey Dix
Class of 1951, Roll No. 627

MU

University of Alabama

Joseph Leon Gunter
Class of 1951, Roll No. 559

John Milton Troha
Class of 1965, Roll No. 825

NU

Carnegie-Mellon University

Maurice Edwin Shank
Class of 1942, Roll No. 343

XI

University of Wisconsin

William Robert Seeman
Class of 1956, Roll No. 181

OMICRON

University of Iowa

Norman Clyde Crandall
Class of 1962, Roll No. 589

PI

University of Virginia

James Edwin Griffin
Class of 1946, Roll No. 350

RHO

North Carolina State University at Raleigh

John Rufus Mason
Class of 1963, Roll No. 658

SIGMA

The Ohio State University

Charles Augustus Bangert Jr.
Class of 1941, Roll No. 220

Aroell Reynold Sherban
Class of 1955, Roll No. 400

CHI

University of Arizona

Arthur Bertinus Anderson
Class of 1956, Roll No. 457

Charles Ostrom Diefendorf
Class of 1952, Roll No. 398

Arthur Elliott Himebaugh
Class of 1950, Roll No. 351

PSI

Montana College of Mineral Science & Technology

David Morton Amos
Class of 1954, Roll No. 318

John Tobias Eastlick
Class of 1950, Roll No. 267

William Laurie Slosson
Class of 1942, Roll No. 129

Judson Harold Whitman
Class of 1947, Roll No. 161

OMEGA

South Dakota School of Mines & Technology

Robert Edward Boyle
Class of 1946, Roll No. 226

Benjamin Earl Holmes
Class of 2013, Roll No. 1244

Merne Ray Judson
Class of 1944, Roll No. 207

Russell Thornton McIntire
Class of 1950, Roll No. 294

Jack Ellis Nelson
Class of 1947, Roll No. 194

Duane P. Paulson
Class of 1951, Roll No. 359

Donald Kay Turner
Class of 1951, Roll No. 348

GAMMA BETA
The George Washington University

Christopher Kingsley Brown
Class of 1955, Roll No. 307

Philip Jesel Crossfield
Class of 1942, Roll No. 114

Peter N. Repak
Class of 1950, Roll No. 251

Joel Simon Sonnabend
Class of 1952, Roll No. 279

DELTA BETA
University of Louisville
Bertrand Marquess Anz
Class of 1948, Roll No. 173

Simon Harold Plattus
Class of 1955, Roll No. 265

Leo Carl Rademaker
Class of 1945, Roll No. 127

Epsilon BETA
University of Houston

Charles Verne Kirkpatrick
Class of 1940, Roll No. 110

William Dennis Peterson
Class of 1972, Roll No. 204

Stuart Erwin White
Class of 1972, Roll No. 104

CHI BETA
University of Toledo

Jonathan Lawrence Curry
Class of 2013, Roll No. 28

XI GAMMA
Texas A&M University

Terry Lee Kohutck
Class of 1973, Roll No. 22

Welcome to the newest members of the 2nd Century Society!

You too can provide assistance to our Fraternity and Foundation beyond even your own lifetime. Contact the Central Office (800/264-1904 or educational.foundation@thetatau.org) for more information on the Second Century Society! Visit We greatly thank these Second Century Society members who have informed the Central Office that they have remembered Theta Tau in their estate plans:



Michael T. Abraham, EB '92
Robert Alexander, Iota '67
Robert W. Agerton, Chi '42
Dean W. Bettingers, Tau '81
Edward L. Bohannon, Zeta '69
A. Thomas Brown, Mu '77
Jeffrey S. Brown, Phi '87
J. Matthew Clark, Kappa Beta '99

Henry Gail, Epsilon '54
Daniel T. Colpi, Phi '98
John W. F. Dulles, Chi '41
William S. Johnson, Rho '42
Julia Kunchen, Eta Gamma '01
Charles Goedrich, Delta Beta '66
J. Hal Grossman, Phi '71
Lee C. Haas, Rho '82

Lester A. Haug, Zeta '39
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George K. Koussopoulos, Xi Beta '88
Michael Livingston, GB '92
William Lowrie, Sigma '66
Joseph McCombs, Rho '69
Duncan M. McInish, Chi '65
John A. McNary, Chi '37

Wayne K. Milne, Phi '38
James Moden, Epsilon Beta '53
Arthur M. Parnis, Tau '84
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Robert E. Pope, Zeta '32
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Lambda Gamma Chapter Launches New Website

by Alexis Bertram, Lambda Gamma '14

The Lambda Gamma Chapter at Clemson University is taking measures to improve communication between our brothers, both students and alumni. Our biggest project recently was the development of a new website for our chapter, which includes a dedicated alumni page containing a list of upcoming events and news to promote alumni involvement with the chapter; the alumni page also includes an "Alumnus of the Month" feature. Our hope is that our brothers will form valuable professional relationships with each other, and a future goal of the chapter includes hosting alumni events to continue this trend. Visit our new website at <http://www.clemsonthetatau.com> for more information about our members and events.

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