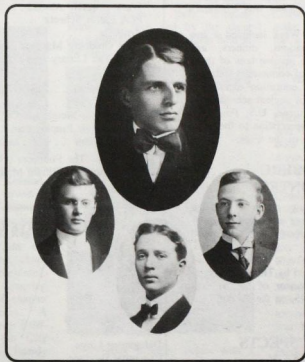



The GEAR of Theta Tau

Volume LXXVI, No. 1

Fall, 1994



1904  1994
Celebrating
90 YEARS OF BROTHERHOOD

Announcements

ΘΤ

NATIONAL ENGINEERS WEEK FEBRUARY 19-25, 1995

National Engineers Week was founded in 1951 by the National Society of Professional Engineers. It is always celebrated at the time of George Washington's birthday. Our nation's first President was a military engineer and land surveyor.

At its beginning, Engineers Week included a few scattered government proclamations, dinners, and speeches. It has since grown to involve tens of thousands of engineers in a variety of community outreach activities, from technology and education exhibits at shopping malls to presentations of student scholarships.

Beginning with President Truman, U.S. Presidents have sent special messages of appreciation to the engineering profession in recognition of the week.

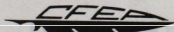
RUBE GOLDBERG MACHINE CONTEST

Many chapters of the Fraternity celebrate National Engineers Week on their respective campuses by sponsoring the Theta Tau Rube Goldberg Machine Contest (see related article, page 11).

The task for 1995 is to turn on a radio in at least twenty steps. The radio is supplied by Thomson Consumer Electronics, a corporate sponsor of the national contest to be held March 25, 1995, on the Purdue University Campus.

THETA TAU RESPECTS YOUR PRIVACY

Our Fraternity never sells its database information to others. Therefore, address and telephone information provided to the Central Office is never used as a source of revenue. At times, the Fraternity sponsors programs (e.g., Theta Tau Visa Card) which we feel are mutually beneficial to our members and Theta Tau. When this is done, the Central Office provides information from the Central Office and contractually requires that the labels and/or address information not be used for any other purpose. Such matters will always be handled in a way which respects your privacy — we value you as a Brother too much to do anything less.



CONTENTS

Features	Page
90th Anniversary Convention	1
Alumni Hall of Fame Laureates	2
New Chapter at Hofstra	3
Work and Life Abroad	4
PFA Elects Scheetz	5
Bequests	9
Rube Goldberg Machine Contest	11
Theta Tau Library	13
Departments	
Chapter News	6
Alumni Notes	8
Additions to Membership	10
Available for Employment	11
In Memoriam	12

Cover Photo: The Founders (clockwise from top):
Erich J. Schrader, William M. Lewis, Isaac B. Hanks,
and Elwin L. Vinal

EXECUTIVE COUNCIL

Grand Regent	Dean W. Bettinger
Grand Vice-Regent	Lee C. Haas
Grand Scribe	Michael T. Abraham
Grand Treasurer	Arthur M. Partin
Grand Marshal	Glen A. Wilcox
Grand Inner Guard	Michael D. Livingston
Grand Outer Guard	Mark R. Janssen
Student Member	Nicholas C. Croce
Delegate-at-Large	Randall J. Scheetz
Executive Director	Robert E. Pope

BOARD OF EDITORS

The Gear of Theta Tau

Michael T. Abraham	Lawrence R. El-Hindi
Sean P. Donnelly	Robert E. Pope

CENTRAL OFFICE

Theta Tau	314/994-1904
655 Craig Road, Suite 128	800/264-1904
St. Louis, MO 63141-7168	Fax: 314/997-3234
Internet: Central@ThetaTau.org	

The Gear of Theta Tau is the official publication of Theta Tau Professional Engineering Fraternity and is published in the fall and spring. The magazine is an educational journal devoted to matters of fraternity interest and is sent at no cost to alumni whose addresses are on record. Send change of address to Theta Tau Central Office, 655 Craig Road, Suite 128, St. Louis, MO 63141-7168. Special third class postage has been paid at Syracuse, New York.

Members from across the country gathered in the city of our founding August 18-21, 1994, for the Fraternity's 90th Anniversary Convention. With fine facilities and gracious staff, the Sheraton Minneapolis Metrodome proved to be an excellent site for our annual meeting.



The Convention opened with Temporary Chairman **Kent Kolstad**, Alpha '94, presiding. Kent served as chairman of the Host Committee from Alpha Chapter. After the gavel was turned over to **Grand Regent Bettinger**, oral reports from the Grand Regent, Grand Scribe, chapters, and colonies were presented. Our dinner program that evening featured the introduction of chapter Outstanding Student Members. A welcome was given by **Larry Feldsien**, Alpha '62, and Twin City Alumni Association President **Randy Mikolai**, Alpha '91. Mayor Sharon Sayles Belton's Proclamation declared it **Theta Tau Week** in Minneapolis.

The Convention program resumed after dinner with the assignments to committees. As always, Delegates and Alternates worked well into the night to fulfill committee duties.

The Friday morning session began with workshops on membership recruitment and chapter officer duties. Our morning continued with a presentation on effective time management by Dr. **John Hoyt**, Tau '48. Brother Hoyt has taught this subject for over twenty years and is the author of *In Pursuit of the 60-Minute Hour*. A workshop on pledge education and a presentation on apathy by **Nicholas C. Croce**, Omega Beta '95, followed lunch that afternoon. Dave Dorman of the UM Boynton Health Service spoke on substance abuse.

Our traditional Convention Cook-out and Chapter Games were held

that evening at Como Park in St. Paul. Burgers and brats prepared on the open grill by the Host Committee were a hit. The Chapter Games Contest included volleyball and softball. But interest was peaked by an engineering contest to build the tallest structure possible from drinking straws and tape and by the most competitive tug-o-war contest held in memory.



Saturday morning began with a presentation by Ralph L. V. Rickgarn on suicide prevention entitled "Becoming a Life Saver." Mr. Rickgarn is a Director of Housing Services with the University of Minnesota. Far more student members than expected indicated that they personally knew someone who had committed or attempted suicide. Obviously a greater awareness of this tragedy is needed. **Angela K. Oetken**, Omicron '97, then led a presentation on chapter service projects. This session closed with the presentation of information helpful to students on the responsible use of credit. Later that morning, **Austin McColium** and **Andrew Rekow** of Alpha Chapter and **Brian Curtis** of Rho Chapter were initiated into Theta Tau in a model initiation ceremony. Concurrently **Dean W. Bettinger** and **Randall J. Scheetz** reviewed operations with representatives from our Theta Tau colonies at Northwestern

and Arizona State Universities.

Elections that afternoon brought changes to the Executive Council. After years of exemplary service, **Brad D. Besmer**, Omega '86, and **Robert E. Pope**, Zeta '52, chose not to accept elective office. The Constitution had been amended to make the appointed Executive Director a Council member. The new Council will be profiled in the next issue of *The Gear*.

The Convention banquet that evening saw the presentation of numerous awards. Most notably, the Erich J. Schrader Award, given to the best chapter, was presented to **Xi Beta** Chapter while the Founders' Award, given to the chapter showing the greatest improvement, was presented to **Rho Beta** Chapter. The Convention Outstanding Delegate Award, as determined by Delegates in attendance, went to **Nicholas C. Croce**, Omega Beta '95. The Fraternity awarded **Douglas A. Barker**, Chi Beta '94, the national Outstanding Student Member Award. Other awards were as follows: the Member-Miles award went to **Psi Beta** Chapter; winning the Best Display award was the **Arizona State University Colony** with second place going to **Omicron** Chapter; **Omega Beta** Chapter won the Best Presentation Award with **Omicron** again in second; Best Delegation Award (in each Region) went to **Omega Beta** (Atlantic), **Alpha** (Central), **Epsilon Beta** (Great Lakes), **Lambda Beta** (Southern), and **Psi Beta** (Western); **Omicron** Chapter won for Best Newsletter; the Best Photograph award went

Continued on page 3



The memorabilia table was popular during Convention breaks.

Donald D. Curtis, Omicron '19, is honored posthumously for service to his profession and to Theta Tau. He was initiated on April 19, 1925, as an Honorary Member and served as Adviser to Omicron Chapter in the early years.

Brother Curtis served as Editor of *The Gear of Theta Tau* from 1926-28. He was a member of the Executive Council for twenty-five years. He was Grand Marshal 1927-48, Grand Vice-Regent 1948-50, and Grand Regent 1950-52. A member of Tau Beta Pi, Sigma Xi, and Phi Kappa Phi, he received his BS in Engineering in 1919 and his MS in Engineering in 1931 from the University of Iowa. He pursued further graduate study at the University of Washington.



He served as Assistant Professor of Mechanics and Hydraulics, University of Iowa, 1921-29. He went to Clemson University in 1929 where he was Professor and Chairman of the Mechanics, Materials, and Hydraulics Department. He was a member of ASEE, ASCE, American Geological Union, and the South Carolina Society of Engineers. He passed away in 1966.

Harry E. Figgie, Jr., Delta '48, is honored for service to his profession. He received his BS in Metallurgical and MS in Industrial Engineering from Case Institute of Technology, his MBA from Harvard Business

School in 1949, and his JD from Cleveland Marshall Law School.



Brother Figgie was chosen the 1991 Citizen of the Year by the Cleveland Area Board of Realtors. He is Chairman and Chief Executive Officer of Figgie International, a major diversified Fortune 500 company. He has also held positions with A. O. Smith, Booz Allen & Hamilton, Firestone Tire and Rubber, Parker-Hanfin, and Western Automotive Machine Screw. He is the author of *Bankruptcy 1995: The Coming Collapse of America and How to Stop It* and *The Cost Reduction and Profit Improvement Handbook*.

His civic activities include: Board of Directors, Associates of the Harvard Business School; Co-chairman, President's Private Sector Survey on Cost Control (Grace Commission); and Trustee, Rawlings Memorial Scholarship Fund, Phillips Educational Foundation, and Figgie Family Foundation.

George R. Lightsey, Kappa Beta '65, is honored for service to his profession and to Theta Tau. He received his BS in Chemical Engineering in 1965 from Mississippi State University and his MS in 1967 and PhD in 1969 from Louisiana State University. Brother Lightsey is a charter member of his Chapter, a member of the chapter house corporation board, and serves as an Adviser

to the chapter. He was also Delegate to the 1964 National Convention.

Brother Lightsey has received Certificates of Recognition from NASA, 1977 & 1992; the Faculty Achievement Award from Mississippi State University Alumni Association, 1989; and the Erskine Fellowship from the University of Canterbury, Christchurch, New Zealand, 1986. He was a research engineer with NASA, 1969-71, and Proctor & Gamble, 1971-73; and was Assistant Professor of Chemical Engineering at Georgia Tech, 1973-75. He has been Professor of Chemical Engineering at Mississippi State since 1975.



He has authored many publications and technical presentations and is the holder of two patents.

Carl H. Menzer, Omicron '21, is honored posthumously for service to his profession. A member of Sigma Xi and Eta Kappa Nu, he received his BS, MS, and EE degrees from the University of Iowa.

He was a Professor in Electrical Engineering at the University of Iowa from 1923-68. During that time he was the founder, director, engineer, programmer, and reporter for WSUI (University of Iowa's station, the oldest educational radio station west of the Mississippi). He began work at the station as a freshman in 1917, three years before commercial broadcasting began.

He built the experimental televi-

sion station W9XX in 1932 and planned an educational FM network for the state of Iowa.



He was also employed by the Atomic Energy Commission in tests of Atomic Weapons. He once confided that the most fun he ever had was working in the Pacific on atomic projects. During this period, he and a few other engineers founded the Little Gem Manufacturing Company, building whatever the military needed from Japan to Guam.

Brother Menzer's professional achievements include: advanced design of various radio receivers, design of high and low powered radio transmitters, and development of synchronizing systems for two or more broadcast transmitters on the same frequency. He passed away in 1986.



Leaders display the charter of Omega Beta Chapter: (l to r) Scott Wurms, Adria Santiago, Nick Croce, and Theo Novak.

CHAPTER INSTALLED AT HOFSTRA

The Theta Tau Colony at Hofstra University on Long Island in Hempstead, New York, became the Fraternity's Omega Beta Chapter, on April 30, 1994. With Grand Regent Bettinger presiding, and most of the other Executive Council members and Regional Director Livingston participating, the Chapter was installed, and its eighteen charter members initiated. This was followed by the initiation of twenty-one additional members into the new chapter. In all, members of seven other chapters were present at the LaGuardia Marriott Hotel for these ceremonies and for the Installation Banquet which followed.

As a colony, the organization had, just the previous month, won for the second consecutive year the National Ruben Goldberg Machine Contest (see article, page 11), and its participation in other national Fraternity events had been commendable.

At the Banquet, the Fraternity was welcomed by Dr. Herman Berliner,

Provost and Dean of Faculties at Hofstra. The address was given by Grand Marshal Haas following remarks by Executive Director Pope. The chapter charter was officially presented by the Grand Regent. Receiving it on behalf of the new chapter were **Adria Santiago** whose early perseverance in establishing Tri Chi Fraternity resulted in this milestone event, and **Nicholas C. Croce** who, as current President of the Colony, had just been installed as the chapter's first Regent. Others recognized for their leadership were Past Presidents **Theo Novak**, **Scott Wurms**, and **Chris Gerard**.

Among the initiates were the Adviser, **Dr. Mauro J. Caputi**, Assistant Professor of Engineering, and **Dr. David M. Rooney**, Chairman of the Engineering Department, who had earlier served as Adviser.

This final chapter Installation in the Fraternity's 90th year was all the more historic since it marked the completion of the "Beta series" of chapters and brought to thirty-one the number of active Theta Tau chapters, the greatest in its history.



90th Anniversary Convention (continued from page 1)

to **Kappa Beta** Chapter, with **Chi Beta** second; certificates for increasing chapter size by 20% were presented to **Beta**, **Rho**, **Iota Beta**, **Kappa Beta**, **Tau Beta**, **Upsilon Beta**, and **Chi Beta** Chapters; honored for maintaining a student membership greater than 40 were **Mu**, **Omicron**, **Chi**, **Omega**, **Pi Beta**, and

Psi Beta; receiving certificates for scoring 700 or more points in the Chapter Performance competition were **Omicron**, **Chi Beta**, **Nu Beta**, **Kappa Beta**, and **Xi Beta**.

A highlight of the Awards Banquet is the induction of members into the Alumni Hall of Fame. See article, page 2.

Sunday morning concluded with a great deal of legislative action which was the result of late-night committee work. Most importantly, the Fraternity adopted an Alcohol Policy. A number of memorable resolutions were adopted including one officially naming this meeting **The Randall J. Scheetz Convention**.



First in a series on the experiences of Brothers employed in a variety of jobs abroad.

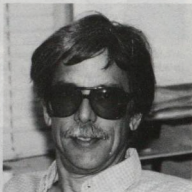
A person might ask, "What is in Saudi Arabia that would attract someone away from life in the States?" The bottom line for making this move is "Uncle Sam, Greenback, U.S. Dollar."

This attitude changes somewhat after arrival. Life in the Saudi Aramco Camp is different from that of my home which is south of Baton Rouge. Aramco has been a part of Saudi Arabia for sixty years, and many expatriates have come to this part of the world from the Western Countries; the Western influence here is evident. The traditions of the Saudi Arabian culture are very obvious, too, but each culture has somewhat adapted to the other.

Life in any Saudi Aramco location is very busy. When not at work, like many of the other employees, I have become involved with activities available on the facility. I joined a running group during my first summer here; I hadn't done a great deal of running since my days at the University of Arkansas, but my abilities have actually improved over those of my college days. Granted, at 40 years of age, it takes "a bit" more training but I have the time, and I truly enjoy it. I am one of the younger runners in this group. I had always thought about taking up karate. I now have the time, and the cost is "within my budget." The company provides Adult Education at a minimal cost. In my two years here, I have learned to read and write a little Arabic. There are many other activities: SCUBA diving, sailing, bridge, dancing lessons, music lessons, a theater group, horseback riding, a hobby shop, a garage with tools for automobile repairs, and the list goes on and on. There is no lack of activities.

The camp is basically self-contained. The company provides both bachelor and family housing at very reasonable rates; my rent is comparable to that in the fraternity house during college. The facilities include

a commissary, post office, library, hospital and clinic, pharmacy, dining hall, three snack bars, barber shop, two banks, tax service, travel agencies, and a theater, among other things. The Saudi Aramco School system provides classes for children in kindergarten through the ninth grade plus high school in the form of boarding school, generally in the States or Europe. The athletic facilities available to employees include a 27-hole golf course, bowling alley, a running/fitness trail, three swimming pools, several soccer fields and baseball fields, tennis courts, squash courts, two tracks, three gyms, and two weight rooms.



The company also has its own television and radio stations. The television programming includes prime-time features of the three major U.S. television networks and British television. The radio station provides a variety of commercial-free and news-free music. We pick up the Armed Forces Radio and Television Service; the football game that starts at noon on Sunday in Baton Rouge starts here at 9:00 pm that evening during Standard Time and 8:00 pm during Daylight Savings Time (Saudi Arabia does not observe Daylight Savings Time). I will let you figure out what time the 3:00 game starts. I don't watch too many of those. We also get the Saudi Arabian Television Network, as well as networks from Bahrain and Qatar and the BBC. There is always something on the radio or the "tube."

Transportation is not a problem. Many have purchased automobiles,

but there is an extensive public bus system provided by the company. Not having been married for eleven years and having no children or family here; the buses get me to all the locations for which I have a need. The company aircraft will fly company personnel to Yanbu, Jeddah, Riyadh, and other locations within the country for company business purposes.

I have travelled south to Udhaliyah and Hawiyah and north to Ras Tanura and Jubail. Most trips to other locations are made on four-lane highways. For those of you who have travelled Interstate 40 from Needles to Barstow, California, through the Mojave Desert, the terrain is similar. The mountains here, called jebels, are not quite as big as those in the Mojave, but then again, you don't see too many oil wells, pipelines, or camels on the Mojave.

Most of my professional life has been as a plant maintenance engineer. My position now is that of a Standardization Engineer, and the majority of my time is spent at a desk. Standardization is a division of the Materials Control, which is a department of the Materials Supply Organization.

Obtaining spare parts in Saudi Arabia is somewhat different from that in the States. The Maintenance Engineer is not able to have someone drive into, for example, Baton Rouge and pick up the necessary spare parts as I had done on occasion during fifteen years as a maintenance engineer in the States. The majority of the spares for the Saudi Aramco facilities are not produced domestically, and therefore must be brought into Saudi Arabia. For those of you Maintenance Engineers who have been at the plant at 3:00 in the morning and the production manager (no offense to you production people) is screaming at the top of his or her lungs that the company is losing money every second the plant is not operating, you can appreciate and identify with this situation; you go to stores and then to the location designated by the catalog for the needed spare part, and guess what, the part isn't there or it doesn't fit. It is very

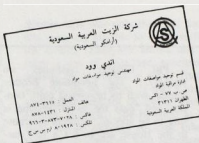
likely that it will be necessary to have the item flown in. During that time you know that production manager is going to scream until the plant is back on line, and there is not a "snowball's chance" that he or she will become hoarse before that comes about. The responsibility of the Standardization Engineer is somewhat like "preventive maintenance." We are to make certain the item is correct for the situation before it is ever needed. We don't live in a perfect world, and things sometimes "slip through the cracks." When the part is incorrect for the service, the Standardization Engineer will assist in resolving the problem. This may be done by contacting the appropriate purchasing organization to assist in identifying the item correctly, by searching the system to locate a viable substitute, or by contacting the manufacturer for information. The last option is difficult, with the 9-hour time difference between Saudi Arabia and Houston. The work day begins at 7:00 am local time, which is 10:00 pm CST, and ends at 3:30 pm. That does not allow much time to discuss a situation during normal operating hours. In addition to the time difference, the work week in Saudi Arabia is Saturday through Wednesday, providing only three days in common with the U.S. work week.

The major portion of items purchased are handled from one of three locations: Houston, Tokyo, and Leiden, The Netherlands. Manufacturers are just starting to bring operations to Saudi Arabia.

The computer plays a much larger role with this position than that of any of my previous situations.

The native language of Saudi Arabia is, of course, Arabic, but 95% of the Saudi Arabian people speak English. All Saudi Aramco business is done in English. The majority of everything in the public world is written in both Arabic and English, so communication is generally easy.

An advantage of this part of the world is its proximity to so many locations within reasonable travelling distance: Europe, Australia, and the Far East. One of the things I have wanted to see all of my life is the Pyramids. This will be a trip I take prior to leaving this location.



Also of interest is the variety of nationalities and cultures from all over the world. There is no region not well represented within Aramco.

Working abroad may not be the life for every engineer; it is not going to be a long term situation for this engineer, but it is certainly an experience I think many engineers would enjoy. I am happy and appreciative that I was afforded this opportunity. Not only does the experience of working abroad enhance one's engineering career, but it also lets one know what life is like in another part of the world. If any of you is given the chance to work abroad, and think you might like this experience, I highly recommend that you seize the opportunity.

ABOUT THE AUTHOR

Andy Wood, Upsilon '76, was born in Fresno, CA, and raised on the west side of the San Joaquin Valley where his father is a farmer. While growing up as a "farm boy" Andy loved the "equipment side" of farming. Although he didn't really know what was involved, at 13, he told his father that he was going to be a mechanical engineer. Andy visited Arkansas several times while growing up and became a "diehard" Razorback Fan. After high school, he headed for Fayetteville. "I had no intention of joining a fraternity as I liked my independence. In the fall of 1972, I was rushed by Theta Tau. I liked what I saw, and I pledged. It was a great decision; I am certainly glad I gave it a chance. I made some lifelong friendships, and I have many great memories that will last my lifetime." He worked for Arkansas Power and Light at its nuclear power plant. In 1978, he moved to Baton Rouge as a Maintenance Engineer with Freeport Chemical Company. He went to Saudi Arabia in February, 1992.

PFA ELECTS SCHEETZ

Past Grand Regent **Randall J. Scheetz**, Omicron '79, was elected President-Elect of the Professional Fraternity Association. He had served on the PFA Board of Directors since 1991. He and Executive Director **Robert E. Pope**, Zeta '52, represented Theta Tau at the Annual PFA Meeting in Irvine, California.

The 17th Annual Meeting of the Professional Fraternity Association, September 22-25, featured a keynote address by Balfour Lecturer, Dr. William Stacy, President, California State University at San Marcos. There were sharing sessions for those representing both large and small fraternities. Honored with the PFA Career Achievement Award was Dr. John H. Bickley (Gamma Iota Sigma), the best known insurance personality in the world. Recipient of the PFA Faculty Award of Excellence was Dr. Robert C. Fleming (Kappa Kappa Psi), Director of the Sun Devil Marching Band at Arizona State University.

Theta Tau was one of 27 professional fraternities that joined in founding the Professional Interfraternity Conference in 1928. **Jamison Vawter**, Zeta '16, and **Russell G. Glass**, Sigma '24, served that organization as President.

The PFA was established in 1977 through merger of the Professional Interfraternity Conference and the Professional Panhellenic Association which was founded in 1925. It comprises 37 national and international professionally-oriented fraternities which have initiated over 1.7 million professionals through more than 3000 student chapters.

While in California, Brothers Scheetz and Pope joined Past Grand Regent **A. Thomas Brown**, Mu '77; **Lester A. Haug**, Zeta '39; **Charles Luckman**, Kappa '31; **Simon Ramo**, Lambda '33; and **Michael W. Schmitt**, Sigma '85, for a dinner in Los Angeles hosted by Brother Ramo. This provided an opportunity to present to Brothers Luckman and Ramo plaques symbolizing their induction into the Theta Tau Alumni Hall of Fame in previous years.

The past four months have been most rewarding for **Omicron** Chapter. A united effort by Omicron actives resulted in its most successful rush in four years by welcoming 29 students as pledges. Brotherhood and fond memories were rekindled with the 18th Annual Pig Roast Founders' Day Celebration and our first Homecoming Parade Float in several years.



The reorganization of the housing corporation continues to show signs of a bright future in a time when obtaining space in the old engineering building becomes increasingly difficult. Omicron has continued its outstanding community service record by aiding the local Boy Scout troops in earning their badges in engineering and by support for the United Way in feeding 2,000 people after the Iowa Hospice Road Race. In December, the chapter will have its first formal speaker/dinner in quite some time. The key to our success has been the support of chapter activities by Omicron alumni, especially **Rick Hanson**, Omicron '84.

Right now **Rho** Chapter is planning for a big 90th Anniversary Dinner. We plan to have most of our student members as well as a large number of alumni attend. Rho has extra money for the first time in a long while. With it, we are doubling or possibly tripling our regular semester saving for our house fund. We are getting that much closer to buying a house instead of renting one. We have also had a big push for professional development ideas. So far we have been privileged to have Lee Haas speak to us about patents, and he also has planned to tell us about Random Dot Stereography which are those weird posters you see at the mall that appear 3-D if you stare at them long enough.

Phi Chapter continues on strongly. The upcoming Brother Retreat with its renowned chili, bonfire, and "pass the gavel" session is sure to be special. Alumni returning to the House are in for a few surprises this year. The new carpet and interior French doors show that we're keeping a fine house until Project 2000's dream-house is complete. The other big change is Roxanne, our new mascot. She's half black lab, half german shepherd, and all man's best friend. The Torque Racing Team ran well at the Purdue Grand Prix trials this year until we were black-flagged twice for a faulty neckstrap. Phi Chapter just recently inducted a group of 24 charming and beautiful little sisters. They have already surprised us once with a breakfast of eggs, sausage, and pancakes. Finally, Phi Chapter continues to stand out as we missed first place among 46 fraternities by 0.004 GPA points. Traditions continue on at Phi Chapter as we look forward to great memories to come.

Greetings from **Omega** Chapter! It has been a good rush so far this year, with our season starting off with the Back to School Party.

Our first official rush event was the Theta Tau Open. Fifty plus prospective members came to the house to play our personalized miniature golf holes.

Last spring, the Brothers of Omega attended a professional development event at Ellsworth Air Force Base. We toured the facilities and got to sit in the cockpit of a B-1 Bomber. Fortunately, no one pulled the ejection handle! Later this year, we plan an underground tour of the Homestake gold mine.

Last April Omega hosted the Western Regional Conference. Zeta, Upsilon, and Psi Beta Chapters attended. Many ideas were discussed, and we had time to show our long-distance brothers the Black Hills.

Omega has formed a public relations committee. In addition to a food drive conducted by our pledges last spring, blood drives, and the Rapid City Safe Halloween, we hope to tutor local junior high students.

In conclusion, we wish all a great year ahead. You are welcome at Omega Chapter any time!

Epsilon Beta has experienced its best rush in years! This resulted in nine pledges to possibly add to our active list of 21. Wayne State University relies on the fraternity system for social gatherings. Since the fall semester started we have thrown two large parties, with strong attendance from nearby chapters. We've had mixers with four sororities on campus with activities ranging from ice skating to visiting haunted houses. As always, the Founders' Day Dinner Dance was a great success.



We have held a series of tours. These include the Dow Chemical Plant and the Detroit Sewage Plant. Invitations to speakers to discuss issues help bring prospective members to the house to meet us. At the Convention, we received recognition for having the best delegation from the Great Lakes Region and received the Most Spirited Award.

Alumni ties continue to be strong. The summer ended with the annual alumni-active softball game where the final score is never important. Many projects are being devised in the restoration of our house. Already with the help of alumni, the old fuse box was replaced. The next large project, with help from the national Fraternity, will be a new roof.

The purpose of Theta Tau is to develop and maintain a high standard of professional interest among its members, and to unite them in a strong bond of fraternal fellowship. **Kappa Beta** Chapter exhibits these ideals in various activities.

Professionalism is an important facet of Theta Tau. This past spring,

Kappa Beta hosted three speakers, one of whom was **David McMillen**, a Past Regent of Kappa Beta and Mississippi Small Business Man of the Year. Professionalism can be expanded beyond the work place and into the community. Our chapter has done just that by performing different service projects. The actives spent a day participating in the Adopt-a-Highway program with children from a local orphanage where they helped to clean a portion of a Mississippi highway. The pledges visited an area nursing home where they spent an afternoon visiting with the residents.

Kappa Beta also hosted many activities to promote brotherhood. One of these was our traditional spring formal. The "Garnet Ball" consisted of a supper followed by a speaker and a dance. Last spring, the "Garnet Ball" was held in Memphis, Tennessee, and included members from Kappa Beta, Mu, Lambda Beta, and Upsilon chapters. The speaker was **Rhett Haley, KB '77**, who is a general manager for the Trane Company. The formal was a great opportunity to meet and talk with those from other chapters. Afterwards, many took in the Memphis sights.

The past spring was a very exciting one for Kappa Beta. We not only grew in numbers, exceeding five hundred members last May, but also through activities promoting professionalism and brotherhood. As we celebrate the chapter's thirtieth year, we are looking forward to another thirty years.



The brothers of **Xi Beta** are very happy to have received the coveted Schrader Award at the 90th Anniversary Convention. Being a young

chapter, this was only the third time that we were eligible to compete for the award. Everyone knows that it takes a lot of time and consistent activity by a chapter to win. That's why we are so proud. It was a great accomplishment for us, but it wasn't terribly difficult. The Brothers at Xi Beta are so devoted to each other, there is no problem with attendance at our activities. We have claimed a table to sit at in our school cafeteria. Winning the Schrader Award was only a matter of documenting the various things we do together.

In any case, we have to boast a little. Xi Beta has the Schrader Award for the next two years, and we will continue our active schedule to keep it.

This year, **Omicron Beta** entered the electronic age by getting an email account on campus. It allows us fast, easy access to other chapters, national officers, the Central Office, and even each other. Best of all, it's free.

One of the most common problems I have seen as a member is that whenever there is a waiting period, people lose interest. It's like a "cooling off" period, only with bad consequences. Email has allowed us to overcome this somewhat. If I want to contact some of the other chapters around us, or even across the country, it is only a typed email message away. Because it is practically instantaneous, I can usually get a response within one day.

Frequently, we have questions to ask of those at the national level that are too trivial to justify mailing a letter or making a call. Email is the perfect solution. Again, I can get an answer within a day.

Keeping in touch with the general membership is usually not a problem. I usually see everyone in the chapter in a day. However, we have used email to keep in touch with our most important members: alumni. We currently have about 20 alumni on our mailing list and we can keep them informed of current events. These 20 alumni often keep many other alumni without email accounts up to date.

I encourage the use of electronic mail. It can cut down on costs (stamps, phone calls, etc.) and help us to be a more cohesive fraternity.

As part of our service to the community, **Sigma Beta** Chapter participated in the Wisconsin Department of Transportation's Adopt-a-Highway program this year. The project involves picking up trash along the shoulders of an assigned roadway regularly throughout the year. Thus far, three Saturday gatherings have been held. Following the winter and spring thaw, the activities on our highway will resume.



The section of roadway assigned to us was the result of a long waiting period as this program has generated an overwhelming response. Located on the southwest side of the Milwaukee area, the 2.5-mile section is marked on both borders with brilliant signs emblazoned with our name. Brother **Matt Hunt, '94**, has orchestrated our efforts which involved setting dates, obtaining collection materials, and recruiting manpower.

The work days generated a lot of enthusiasm and allowed us to spend time together away from the distractions of the campus and the classrooms. On our first pickup, we gathered 40 bags full of trash. It is also amazing finding various old car parts, fast food items, aluminum cans, plastic bottles, newspapers, wire, wood, etc. **Steve Syck** realized only too late that what he thought was a rope was the tail of some small animal. **Vernon Winters** was devoted to collecting only aluminum which will be recycled for a profit.

Our services were recognized by honking horns and generous travelers who stopped to thank us with gifts of soda and munchables. Finally, when the pickup day was done, we usually gathered for a cookout and enjoyed the rest of the afternoon.

B **James A. Keeley**, '40, and **Mary Patricia** celebrated their 50th Wedding Anniversary June 24, 1994.

Daniel J. O'Brien, '91, is a Sales Engineer with Systematic Refrigeration and lives in New Hope, MN.

Δ **Laurie Jane Kern**, '79, is an Information Resource Manager at ROI in Anaheim.

Z **Allen D. Smith**, '59, retired in 1988 as a Colonel in the Army Corps of Engineers, and is now Associate Director of Physical Plant for Maintenance and Operations at Lamar University. He and Chris have a small ranch (17.5 acres) outside Paige, TX.

George G. Dodd, '60, Past Grand Regent, head of the analytic process department at General Motors, is involved in a joint venture with the Big 3 and the U.S. Dept. of Energy to develop applications software for parallel computers. If successful, a crash simulation could take a few minutes while it now takes hours.

James A. Clutz, '62, retired from Eastman Kodak Company in 1991 and resides in Middlesex, NY.

William Brickhill, '86, is a lieutenant in the U.S. Navy. He is transferring to the newest aircraft carrier, CVN-74 John C. Stennis.

Janelle N. Phillips, '94, is a Weights Engineer with Boeing Commercial Airplane Group in Wichita.

⊖ **William D. Hooper**, '71, has been honored with a 20th Century Achievement Award for contributions to digital commerce including pioneering activities in ATM network development, home banking, and digital imaging. He is a Vice President of Citibank.

M **John E. Daniel**, '65, has joined the law firm of Morgan, Lewis and Bockius in Washington, DC, the fourth largest in the U.S.

Margaret E. Solomon, '88, on leave of absence from The Boeing Co., is working on her MSME at University of California, Davis.

E **Jeffrey J. Verdegan**, '92, is working for Merrill Lynch in Japan in software development and support.

O **Arthur Petrzalka**, '79, and **Ann** announce the arrival of a son, **Thomas Arthur**, on October 26, 1994.

Lee H. Odell, '88, is a Senior Associate with Economic and Engineering Service, Inc., in Portland.

Kevin S. Smith, M.D., '88, is a physician at University of Colorado Health Sciences Center in Denver.

Sheila Schmidt Stevens, '91, is a PhD candidate at Stanford.

Angela L. Zahradnik, '93, married **Joseph Ehle** June 4. She is with National Computer Systems in Iowa City.

P **Warren S. Mann**, '21, retired from Armco, Inc. in 1966. Brother **Mann**, a charter member, visited Rho Chapter in May, 1991, on the occasion of the 70th Anniversary of his graduation.

Marucs B. Crofts, '53, was presented the 1994 "Walter S. Ramey Award" of the Society of Manufacturing Engineers.

William H. Stocks, '57, retired from R. J. Reynolds Tobacco Company in 1988 as Senior Engineering Project Manager.

Brad Clark, '92, is currently a graduate student in the Mechanical Engineering Department at the University of Colorado at Boulder.

Σ **James R. Hannahs**, '66, recently received his Certified Manufacturing Engineer credentials from the SME. He is an Advanced Manufacturing Engineer at PMI Food Equipment Group in Troy, OH.

Kevin L. Kendig, '94, is a Research Scientist for the Air Force and is working on his PhD at University of Michigan in Ann Arbor.

T **John A. LaMontagne**, '73, retired from the USAF after 21 years of service. He has begun a second career as an Operations Manager in New Hampshire.

Gregory A. Miledonis, '76, and **Robin** announce the birth of **Andrew Gregory** on September 19, 1994.

Y **J. Robert Dean, Jr.**, '83, a patent attorney for The Dow Chemical Company, will marry **Ruth Stella Sosa** of Bogota, Colombia, on December 31, 1994.

Tim Baumgartner, '89, was registered as a Professional Engineer in the state of Georgia this past spring. He is a project engineer for a consulting firm in Savannah, GA.

Kenneth D. Gaines, Jr., '92, married **Molly Hopper** August 6.

Darren R. Green, '94, is a research assistant at the University of Arkansas Engineering Research Center in Fayetteville.

Φ **Anthony Pennisi**, '94, is an ME with Varian Associates, Inc., Gloucester, MA.

X **Bruce W. Farmer**, '67, is a graduate student at New Mexico State University working on his PhD in Rhetoric and Professional Communication.

Susan E. Anderson, '91, received her MS in Civil Engineering with a specialization in Transportation from UT Austin in August, 1994, and is with Lee Engineering in Phoenix.

Lee A. Sousley, '94, married **Ann Barlow** July 15, in Portland, OR.

Ω **Robert L. Sandvig**, '44, returned to celebrate the 50th Anniversary of his class. He is retired from the SDSM&T faculty and lives in Mankato, MN.

William V. Coyle, '44, received the Guy E. March Medal for his success and his service to SDSM&T and the community. He spent 42 years as a faculty member.

Richard J. Gowen, '57, is president of SDSM&T.

Dr. Richard Warder, '58, was selected as the Dean of Engineering at the University of Memphis after a national search.

Larry Blair, '61, was named 1994 Engineer of the Year by the New Mexico Society of Professional Engineers.

Dr. George O'Clock, '62, is a Professor of Physics, Engineering and Technology at Mankato State University in Minnesota.

Ed Opbroek, '66, is General Manager, Technical Resources, with Armo Steel Co. in Middletown, OH.

Gary Veurink, '72, has been named General Manager of Asset Utilization Resources for the Texas Operations of the Dow Chemical Co.

Mark Janssen, '88, and Deb announce the birth of a son Thomas Robert on October 13, 1994.

Jason E. Smith, '94, is a Plant Engineer with Black Hills Power and Light in Deadwood, SD.

ГВ

William Ellenberger, '30, is pictured at the top of Starvation Mountain (elevation

2,140 feet) on his 86th birthday, January 14, 1994.

George E. Rhine, '38, is retired and lives in West Hartford, CT.

Kelly Moran, '91, married Captain Arthur Hutchinson (USAF) on June 11, 1994, and is living in Columbia, MD.

ΔB

Richard E. Beard, Jr., '71, is the Principal Engineer for ARINC Research Corp. and lives in Fairborn, OH.

EB

James P. Selegan, '91, received his Masters degree in Environmental Engineering from WSU and is a Hydraulic Engineer with the U. S. Army Corps of Engineers.

Andrew B. Nippa, '96, is a naval nuclear power student with the U.S. Navy in Orlando, FL.

IB

Orvell Tucker, Jr., '85, and his wife announce the birth of their first child this year.

Geoffrey L. Oberhaus, '92, is an environmental engineer with Oxy-Chem and attends law school at Rutgers University.



KB **David McMillen**, '75, was named Mississippi Small Business Man of the Year.

Kathy Davis, '89, and **Scott Ferguson**, '92, were married recently and are living in Gretna, LA.

Raymond Chow, '91, is a graduate student in nuclear engineering at Kansas State.

Mark and Karen Ramsey Middleton, '91, announce the birth of a son Bradley Cole Middleton on June 8, 1994.

Kathryn E. Dennis, '94, is an Engineer I with Weyerhaeuser in Longview, WA.

Stephen Johnson, '94, is a Nuclear Engineer with the U.S. Navy and lives in Horn Lake, MS.

ΔB

Jeffrey A. Henderson, '94, is a Packaging Engineer with Philips Consumer Electronics in Knoxville. He married Jennifer on July 23, 1994.

NB

Thomas Vodacek, '93, has been elected president of the Wisconsin Alumni Club.

Corey J. Stout, '94, is a Civil/Environmental Engineer with Baxter & Woodman in Crystal Lake, IL.

EB

Dennis A. Bashur, '91, is an ME Consultant with Variation Systems Analysis.

OB

John J. Feiler, '87, received his MSEE from Washington University in 1992 and is a Project Engineer with McDonnell Douglas Aerospace in St. Louis, MO.

ΠB

John C. Cerone, '94, is a Design Engineer for Torque Engineering in Elkhart, IN.

Thomas Glowacki, '94, is a Product Engineer for G.T. Products, Inc. in Ann Arbor, MI.

PB

Robert J. Roby, '94, is now a law student at New York University.

TB

Bradley S. Hood, '94, is a student at LSU Medical School in Shreveport, LA.

ΦB

Louise Buyse Palardy, '88, and **Jerry, Epsilon Beta** '93, announce the birth of a son Andrew George on May 20, 1994.

Ben Burdick, '91, is a product engineer with General Motors Corporation Service Technology Group in Romulus, MI.

XB

Jeffrey M. Westrick, '93, is an engineer for Roush Technologies in Allen Park, MI.

Robert J. Foskie, '94, is an Electrical Design Engineer for Kaufman Co. in Toledo, OH.

ΨB

D. Mark Thompson, '92, married Ann on August 20, 1994. They live in Austin.

Jennifer Stomberg, '93, is the Quality Assurance Manager for Texas Screw Products and lives in Houston.

Stephen A. Kemper, '94, is an ME at NEI Agra in Houston.

ΩB

Adria Santiago, '92, is Risk Consultant with Chubb Group in Princeton, NJ.

Theodore A. D. Novak, '93, is a Mechanical Engineer with Misonix, Inc. in Farmingdale, NY.

Ronald T. Piervincenzi, '93, is a graduate student at Duke University in Durham, NC.

BEQUESTS

The Fraternity is very grateful to our late Brother **Wm. J. (Jack) Goodrum**, Rho '43, who bequeathed 24% of his estate to the national Fraternity. The will provides for the establishment of a permanent fund — the income from which will benefit the Fraternity in perpetuity.

Current annual gifts from alumni are essential to our Fraternity's continued success. By also remembering the Fraternity in his will, a member may continue contributing to Theta Tau even beyond his own lifetime. In this way, a brother helps to perpetuate the entire Fraternity as well as his own chapter.

The Fraternity is also grateful to those who have made bequests to their chapters' house corporations.

Additions to Membership



ALPHA

- 1015 Austin John McCallum, '96, Byron, IL
1016 Andrew Karl Wilhelm Rekow, '96,
Baltimore, MD

BETA

- 1252 Eric Thomas Johnson, '95, Green Bay, WI
1253 Sean Skinner, '95, Allegan, MI
1254 Eric A. Olsen, '95, Stewart, MN
1255 Robert Joseph Tasson, '94, Ishpeming, MI
1256 Brandon Scott Sundberg, '95, Ishpeming, MI
1257 Leigh William Woodbury, Jr., '95,
Boyne City, MI
1258 Travis Christopher Nelson, '96, Mt. Prospect, IL
1259 Bryan Wayne Wiljanen, '96, Michigan, MI
1260 Curtis Dean Robinson, '95, Pekin, IL
1261 Brian J Tetzlaff, '95, Kaukauna, WI
1262 Jason Lee Hiller, '96, Gwin, MI
1263 Jeffrey Eric Gasparot, '96, Marquette, MI
1264 Gregory Lee Holmes, '95, Ishpeming, MI
1265 Jay Edward Vanden Heuvel, '95,
Little Chute, WI
1266 Jason Tokar, '96, Newberry, MI
1267 Jason A LaCasse, '96, Marquette, MI
1268 Jeff Allen Wanic, '96, Superior, WI
1269 Joseph Edward Dunn, '96, Plymouth, MI
1270 Daniel Albert Salenbien, '96, Adrian, MI

ZETA

- 915 Marc Alan Catron, '97, Topeka, KS
916 Sara Elizabeth Wiley, '96, Lee's Summit, MO
917 Gerald Austin Beine, '97, Florissant, MO
918 Aimee Elizabeth Owen, '97, Kansas City, MO
919 Ashish Mathur, '97, Overland Park, KS
920 Sarah Estelle Shea, '96, Mission, KS

MU

- 1288 Gabriel Damon McCray, '95, Birmingham, AL
1314 Dennis Paul Taylor, '96, Tuscaloosa, AL
1315 Tommie Gentry Sanford, '96, Decatur, AL
1316 Fred Nathaniel Green, III, '95, Mobile, AL
1317 Tina Chevon Davis, '95, Carrollton, AL
1318 Andrea Lynn Adams, '96, Decatur, AL
1319 Grady Wayne Neely, '96, Trafford, AL
1320 Dewey Coburn, III, '96, Creola, AL
1321 Andrew Blaine Cooper, '97, Coosada, AL
1322 Melissa Ann McLain, '96, Montgomery, AL

XI

- 568 Nels Andrew Nordstrom, '95, Whitewater, WI
569 Thomas Frank Sachs, '97, Schofield, WI
570 Barbara Elizabeth Taticek, '96, New Berlin, WI

PI

- 917 Barry Devon Adams, Charlottesville, VA
918 Charles Burks, '96, Bridgeport, CT
919 Alexander Groume, '95, Lafayette Hill, PA
940 John Joseph La Scala, '97, Oakdale, NY

RHO

- 1051 Jonathan Halsell Parker, '97, Raleigh, NC
1052 John Thomas Poole, '97, Huntersville, NC
1053 Brian Christopher Curtis, '97, Greensboro, NC

SIGMA

- 812 Daniel A Perkins, '97, Galapalos, OH
813 George Henry Stratman, '96, Mentor, OH

TAU

- Charter Initiates:
852 Sebastian Rene Goulet, '95, Boucherville,
Quebec, Canada
861 David William Charles Meyer, '93, Syracuse, NY
Other Initiates:
879 Angel Ramon Saenz-Badillos, '95, Madrid, Spain
880 Steven Jennings Cook, '97, Coopersburg, PA
881 Bernard Thomas Duerr, Jr., '95, Liverpool, NY
882 David Michael Kosiba, '97, Amsterville, MD
883 Robert Alain Louis Meyer, '97, Baltimore, MD
884 Jonathan Eric Schminke, '97, Auburn, NY
885 John Melvin Speidel, '97, Florham Park, NJ
886 Adam Charles Walburger, '96, Marietta, NY

UPSILON

- 1000 Brent Allen France, '97, Eureka Springs, AR
1001 John Michael Carmack, '95, Greenwood, AR

PHI

- 764 Andrew Donald Bates, '97, Carmel, IN
765 Thomas Joseph Bruns, '97, Cincinnati, OH
766 William Russel Buchanan, '97, Evansville, IN
767 Christopher John Carrel, '97, Elkhart, IN
768 Aaron Todd Conner, '97, Ft. Wayne, IN
769 Jeffrey Robert Laz, '97, Wading River, NY
770 Andrew Douglas Rentschler, '97, Rochester, IN
771 Miles David Taylor, '97, Ft. Wayne, IN
772 Christopher Michael Teague, '98, Lowell, IN
773 Christopher Charles Vosler, '98, Piqua, OH
774 Nathan Thomas Weiland, '97, Appleton, WI

CHI

- 1098 Timothy Samuel Rogers, '98, Santa Maria, CA
1099 Cesar Covarrubias de la Rosa, '95, Phoenix, AZ
1100 David Gerald Laredo, '95, Agua Breta,
Sonora, Mexico
1101 David Alexander Martinez, '98, San Jose, CA
1102 Gregory Toshiharu Matsura, '97,
Sierra Vista, AZ
1103 Paul Andrew Philippou, '96, Chelmsford, MA
1104 Jeffrey Michael Stewart, '97, Prescott, AZ
1105 Mark Brandon Stewart, '97, Longmont, CO
1106 Nathan Emerson Williams, '96,
Santa Maria, CA

GAMMA BETA

- 624 Robert Hing Huie, '97, Springfield, VA
625 Jason Barry Hurlburt, '97, Cincinnati, OH
626 Matthew Farrell Koff, '97, Harris Park, PA
627 Antonio Semeraro, '96, Oakville, CT

EPSILON BETA

- 404 Michael Joseph Brehrer, '97, Allen Park, MI
405 Bashar Nabih Kaafarani, '96, Dearborn, MI
406 Todd Walter Schroeder, '96, Newport, MI

KAPPA BETA

- 496 Clarence Marion Swain, Jr., '66, Starkville, MS,
(Honorary Member)
497 Daniel Robert Cauthen, '97, Clinton, MS
498 Michael Coleman Floyd, '98, Brandon, MS
499 Richard Lee Harris, Jr., '96, Ocean Springs, MS
500 Brian David McLesters, '96, Raymond, MS
501 Harold Edward Munro, III, '95, LaPlace, LA
502 Twyla Gayle McInnis, '96, Ocean Springs, MS
503 Nakellia Danielle Mitchell, '98,
Ocean Springs, MS
504 Anne Lee Lory Sculthorpe, '98, Gautier, MS
505 Pamela Ann Sellier, '98, Pass Christian, MS
506 Jason James Winchester, '98, Jacksonville, FL
507 Tracy Ray Wise, '99, Crossett, AR

OMICRON BETA

- 97 Michael Robert Harrison, '96, Garden City, MI

PI BETA

- 100 David Allen Graham, '96, Mattawan, MI
101 Joseph Terry Gravin, '95, Kalamazoo, MI
102 Michelle Marie Reno, '96, Jackson, MI
103 Jason Leroy Terdos, '96, Zeeland, MI
104 Aimee Alyne Thoesberg, '95, Kalkaska, MI

RHO BETA

- 85 John Patrick Connelly, III, '98, Dayton, OH
86 Carisa Elizabeth Murray, '97, Poland, OH
87 David Richard O'Dell, '96, Wellston, OH
88 Gregory Lee Piper, '96, Athens, OH
89 Brian Christopher Schommer, '98, Kettering, OH

TAU BETA

- 78 Jeffrey Charles Brooks, '96, Lake Forest, IL
79 Diana Aguirre, '95, Stockton, TX
80 David Justin Bigley, '97, Mineville, OH
81 Jeremiah Rockford Bramlett, '97, Garland, TX
82 Kevin Michael Carpenter, '96, Glendale, AZ
83 Shannon Marie Dill, '95, Harlingen, TX

- 84 Jorge Alberto Garcia, '97, Dallas, TX
85 James Warren Middleton, '95, Spring Branch, TX
86 Blake Allen Prichard, '97, Rockwall, TX
87 Lisa Christine Whalen, '96, Bartlett, TN
88 Shawn Arnold Prestidge, '96, Garland, TX
89 Miguel Rodriguez, Jr., '96, Brownsville, TX
90 Tina Ann Parrish, '96, Allen, TX
91 John Edward Travis, '96, San Antonio, TX
92 Urcun Taniak, '96, Garland, TX
93 Shannon Anthony Wilmes, '95, Dallas, TX

UPSILON BETA

- 57 Steven Charles Townsend, '95, Portsmouth, VA
58 Charles Samuel Breen, '97, Virginia Beach, VA
59 Gregg Robert Shipp, '95, Norfolk, VA
60 Erik Boldso Robins, '95, Sterling, VA
61 Eileen Flores Rosario, '97, Norfolk, VA

PHI BETA

- 62 Dean Lavern Ventimiglia, '98,
Clinton Township, MI
63 Jennifer Rachel Flores, '96, Rochester Hills, MI
64 Thomas Emerson Barlow, II, '97, Remus, MI

PSI BETA

- 94 Jeremy Woei Yung Hang, '96, Houston, TX
95 Jennifer Lee Stapp, '96, Midland, TX
96 Robert William Hunt, '98, Midland, TX
97 Morton Istvan Gary, '96, College Station, TX
98 Leslie Renee Bell, '96, Austin, TX
99 Karen Kim, '97, Plano, TX
100 Romero Rivas, II, '95, McAllen, TX
101 Robert Lawrence Jones, '98, Cedar Park, TX

OMEGA BETA

- Charter Initiates:
1 Adria Santiago, '92, Bronx, NY
2 Theodore A. D. Novak, '93, Northport, NY
3 Scott Barry Wurns, '94, Wapping Falls, NY
4 Christopher Thomas Gerard, '93, Madison, CT
5 Nicholas Christopher Croce, '94, Garden City, NY
6 Christopher Henry Ashline, '95, Troy, NY
7 Maria Evelyn Meyer, '94, Rockville Centre, NY
8 Tomackia Loletha Felton, '94, Bronx, NY
9 Hugob Jack Ataman, '94, Hasbeph, NY
10 Gaetan Pierre-Louis, '94, Elmont, NY
11 Michael Bernard Bruce, III, '95, Ozone Park, NY
12 Ange-Thela Jadotte, '93, Amityville, NY
13 Ashfin Livian, '93, Seatingtown, NY
14 Robert James Burnett, '92, Floral Park, NY
15 Lorena Shiwabak, '93, Long Island City, NY
16 Ronald Thomas Piervincenzi, '93,
West Hempstead, NY
17 Jeffrey Robert Soohoo, '93, New Rochelle, NY
18 Mauro Joseph Caputi, '81, Westbury, NY

Other Initiates:

- 19 Ronald Kenneth Koenig, '95, College Point, NY
20 April Rose Williams, '95, Pembroke Pines, FL
21 Nickolas Hans Stenrud, '95,
Noding, Sweden
22 Mansoor Maqbool, '94, Hauppauge, NY
23 Jaime Torres, '95, Mexico City, Mexico
24 Elaine Joyce Rammer, '95, East Meadow, NY
25 Anthony Anthony Cervone, '95, Ozone Park, NY
26 Manav Bhavsir Vilgase, '95, Flushing, NY
27 Eugene Klimov, '96, Valley Stream, NY
28 Michael Christopher Lonergan, '95,
Floral Park, NY
29 Michael Bruce Polsky, '96, Parkland, FL
30 Oscar Alberto Sandoval, '95, Syosset, NY
31 Diana Ivelisse Valenzuela, '95, Bronx, NY
32 Jose Maurice Villages, '92, Brentwood, NY
34 David Martin Rooney, '74, Fresh Meadows, NY,
(Honorary Member)
35 Darin Damiani, '95, Port Washington, NY
36 John Louis Mileo, '96, Bellerose, NY
37 Benjamin Michael Morse, '96,
East Greenwich, CT
38 William Christopher Selock, '94, Brooklyn, NY
39 Michael Anthony Selock, '96, Floral Park, NY
40 Danyel Janene Tarnelli, '97, Meriden, CT

HOW MANY ENGINEERS DOES IT TAKE TO MAKE A CUP OF COFFEE?

The Rube Goldberg Machine Contest this year was quite an experience for the team from Hofstra University. The creation of a machine, which involved 60-80 steps, to make a cup of coffee began with many hours of brainstorming and planning in early October, 1993. The actual machine construction began in January and continued rigorously through March. Final touches were made the week before the contest. This long and difficult process required the teamwork of 15 members and many days without much sleep.

The real adventure of the contest this year was the trip to Purdue University. The Hofstra team rented a van to transport members to the competition. Despite its being a new vehicle, we were stranded somewhere in Pennsylvania. Even with thirteen engineers, we were at the mercy of the van. Through several phone calls and help from our credit cards, we were able to find a hotel. We sent

three essential team members on their way to Indiana with the rent-a-truck carrying our invention. By noon the van had been repaired so the ten remaining team members were back on the road. We managed to make it to West Lafayette that evening, just a few hours before the contest was to begin. We all took short naps and then went to the contest. We worked to make any necessary repairs and were ready for the competition.

A great deal of tension was generated by the fierce competition this

year. After each machine ran twice, we were unsure of our ranking. Finally, when the announcement of our victory was made, the hard work and long hours all seemed worth it. We brought the trophy to Hofstra for a second year in a row, and received a great welcome home reception.

We are anxiously looking forward to the 1995 Rube Goldberg Machine Contest (see related article, inside front cover) when we will be under intense pressure to bring the trophy to Hofstra for the third straight year.

The team from the Hofstra Colony (now Omega Beta Chapter) pose with the large travelling trophy in front of the winning machine.



AVAILABLE FOR EMPLOYMENT

As a service to members seeking employment or a change in employment, this space is provided on a complimentary basis. Please contact the Central Office for listing in the Spring, 1995 issue, deadline March 1.

Mining Engineer. Seventeen years underground coal operations management experience including mine superintendent. Three years mine engineering, some longwall. Location open. Operations oriented, engineering considered. Would consider other industry, and possible consulting. Respond to: F94C, Theta Tau Central Office, 655 Craig Road, Suite 128, St. Louis, MO 63141-7168.

Engineering Librarian/Researcher. Professional librarian or research position with an engineering firm sought. Master of Library Science, 1993, Emporia State University. BS in Mechanical Engineering, 1988, University of Kansas. EIT certified. Engineering experience: McDermott, Inc., supervisory duties, completed catalogs, maintained a documents file for an offshore oil platform project. Morton Salt, various projects each including a fund request. Computer experience: Spread sheets - Symphony; Word processing; Database - dBASE III; Information retrieval - DIALOG and Internet; Languages - BASIC and FORTRAN. Respond to: F94A, Theta Tau Central Office, 655 Craig Road, Suite 128, St. Louis, MO 63141-7168.

Mechanical Engineer. Retired ME seeking part-time work in product development, liaison, and stress analysis. Respond to: F94B, Theta Tau Central Office, 655 Craig Road, Suite 128, St. Louis, MO 63141-7168.

Computer Engineer. Currently a Senior Member Technical Staff, Texas Instruments. Areas of ability include product safety (UL and FM), electrical safety (OSHA CFR 1910 Section S), computer system power and grounding, Ethernet LAN design, installation and troubleshooting, electrical transient protection, and process control instrumentation. Interested in consulting position with some travel and with operations based in mid-Atlantic. Philip M. Leibowitz, PO Box 5901, Baltimore, MD 21208.

Wm. J. (Jack) Goodrum, Rho '43, passed away in Buffalo, New York, August 17, 1994, at the age of 75. As a student member, he had served his chapter as Corresponding Secretary and as Scribe. His entire professional career of over forty years was as a chemical engineer with Spencer Kellogg & Sons, Inc., later a Division of Tectron, Inc., headquartered in Buffalo. His third and final retirement (1990) was from Reichhold Chemical Company which had acquired the firm in 1989.



Jack Goodrum as a student member

He served as Plant Manager or Acting Plant Manager for about 15 of the vegetable oil firm's installations across the nation. The extensive traveling involved contributed to his interest as a gourmet. He was an avid photographer especially of the manufacturing sites where he worked. In the late sixties, he recognized the future contribution of the computer to engineering and cost systems.

In addition to being a frequent contributor to the Fraternity during his life, Brother Goodrum left 24% of his estate to the national Fraternity as a permanent fund, the income from which will benefit the Fraternity in perpetuity. Our memory of this generous Brother will live forever.

ALPHA

Jeff Allan Cary, '76, 3/30/88
Alfred Edward Cronk, '37, 5/14/94
Lloyd Arthur Duscha, '45, 12/92
Philip Frank Hartman, '25, 5/24/92
Kenneth Andrew Hoffman, '49
Allan Arthur Hutchings, '32, 11/93
Raymond W. Keller, '25, 10/9/93

Hugo Viljo Kojala, '30, 10/1/94
Harold Orning, '26, 11/23/85
John Henry Sausen, '42, 4/1/93
Raymond F. Siverson, '25, 2/5/80

BETA

John Harry Bayko, '57, 1991
Julius John Becker, '32, 1975
Paul Louis Harrington, '38, 9/6/92
Louis Ward LaForais, III, '46, 4/28/93
Radnor Joseph Paquette, '27, 6/29/93
Oran O. Price, Jr., '35, 11/6/94
Theodore Walter Ruonavar, '62, 5/21/88
James Arthur Smart, '62, 10/7/94
George L. Turner, '38, 12/13/93
Edward Wallace Witcomb, '41

GAMMA

William Jesse Courlier, Jr., '48, 11/17/88
Gary William Hudiburgh, '41, 7/1/94
Eugene Pressett, '32, 9/27/92
William Edward Strain, '38, 5/14/91

DELTA

Edward George Belden, '49, 3/31/92
Robert Hamby Gordon, '26, 7/5/94
Theodore Phillip Knodler, '32, 1981
Robert Carlyle Miller, '49, 10/26/93
Charles Richard Newpher, '37, 7/13/91
Neil J. Ranney, '34, 6/5/94
Clarence Walter Tyler, '32, 1991

EPSILON

Paul Stanford Day, '51, 9/23/83
Sargent M. Reynolds, '37, 5/18/94
Galen Howard Sturgeon, '35, 9/27/93
Louis Niles Waterfall, '23, 5/28/94
Herman Wendler Weddle, '28, 12/30/86
William Boucher Whitton, '48, 2/2/92

ZETA

Joe R. Beeler, Jr., '46, 6/13/94
Fay A. Bennett, '23, 4/6/94
Charles Wendell Clutz, '32, 4/94
Theodore William Grant, '29, 10/2/94
Roger Hackney, '24, 12/10/91
David Marcus Johnson, '33, 5/4/94
Wm. Harold Quentin Kehr, '31, 1/2/94
Victor Alvin Koelzer, '37, 10/13/94
Sam Henry Magruder, '33, 12/23/93
James Perry May, '28, 12/18/91
Jack Norman White, '49, 1987

ETA

Norris Greenleaf Abbott, Jr., '20, 1983
Charles Benton Weiler, '25

THETA

Harold Dayton Eckerson, '54, 2/11/93
Bob Parker Helgeson, '53, 11/17/70
Kenneth M. Lopez, '43, 11/20/93

IOTA

Arthur William Brune, '41, 4/28/94
Jack P. Campbell, '24, 6/16/92

Donald Richard Jaenecke, '38, 5/13/94
Elmer Loren McReynolds, '34
Charles Thomas Morris, '41, 5/14/94
George Theodore Nolde, '35, 1/94
Samuel Sherrick Post, '37, 4/94

KAPPA

Henry U. Arning, '24, 12/21/93
Clarence Huber Elder, '25, 5/7/88
William B. Overbee, '21, 6/6/92
George Nicholas Wickhorst, '26, 12/3/93

LAMBDA

Kenneth Adgar, '62
Harper Brown Cowles, '31, 9/17/93
Joseph S. Miller, '35, 12/15/93
Lars Creer Nielsen, '43, 8/30/94

MU

William Edwards Carr, '53, 9/22/92
Guthrie Swint Mabrey, '31

NU

John B. Bean, '22, 10/16/89
(Charter Member)
Charles Irvin Beard, '38, 7/9/91
Milford Crispin Bitner, '25
William Robert Cuthbert, '22, 9/11/94
Clarence Harry Weissenstein, '39, 2/94

XI

William Beverly Murphy, '28, 5/29/94
William E. Ritchie, '24, 4/8/93
(Charter Member)

OMICRON

Fred J. Freese, '24 (Charter Member)
Gerald E. Hirt, '41, 1/25/94
Alvin Shetler Lundy, '32, 4/94
Charles Wayne Oneal, '54, 1/1/94
John Calvin Postlewait, '46
Harry Wayne Shearer, '58, 11/15/92
Frank Leonard Woodward, '25

PI

Joseph Francis Anderson, '50, 7/16/94
Scott Shipp Basto, '69
Oliver Garland Flippen, Jr., '29
Walter Sumner Gard, '33, 8/20/94
James Blaine Hope, '57, 11/13/92
Thomas James Milligan, III, '43, 6/30/94
Gifford G. Quarles, '30, 4/27/94
Claude Mallong Wilkinson, '30

RHO

Marvin Lee Bradley, '33, 4/7/87
Edward Morris Chisholm, '44, 12/21/93
Howard McDonald Ellis, '29, 5/16/93
William Jackson Goodrum, '43, 8/17/94
Frederick Leon Page, III, '46, 8/25/93
Boris Basil Petroff, '33, 7/22/94
Jake Alfred Royal, '33, 1988
Arthur Cliff Spruill, Jr., '44, 12/23/93
Kennon Vines Wainwright, '28, 3/13/94
Charles L. Woody, '38, 1/29/91

SIGMA

Robert Wilson Anderson, '29
Armand Anthony Chick, '51, 4/22/94
Robert James Grogan, '54, 7/4/94
Clifton Harvey Rea, '52

TAU

Raymond John Barclay, '42, 2/20/94
Morrell Heltman Blesh, '28, 7/19/93
Douglas L. Burrell, '38, 11/93
James Albert Conklin, '52, 1987
Robert Joseph Garland, '36, 2/20/94
William Gidlow, '30, 2/24/90
John Balfour Horrocks, '40
Howard Arthur Kallusch, '43, 1990

UPSILON

Theodore George Bauer, '41, 4/94
Tilman Bearden, Jr., '66
Howard Talmadge Bonds, '47, 7/27/92
Glendon Cecil Bruce, '49, 2/8/92
James Harvey Colvert, '60, 11/22/93
Lawrence O. Gregory, '43
Thomas Burton Lewis, '35
Pershing H. Vollman, '41, 4/19/94

PHI

Carl Joseph Anderwald, '34, 3/93
Claude Herman Kochman, '33, 4/16/90
Robert David Morrison, '50, 1/22/93

CHI

William Herbert Hughes, '51, 1983
Ronald Francis Shuck, '59, 9/13/94

PSI

Robert Alexander Blake, '38, 4/6/94
Kalervo Alexander Hyppa, '38, 3/18/94
Joseph William Joyce, '42
Raymond John Murray, '64, 10/86

OMEGA

Maurice LeRoy Cleland, '39, 10/30/94
Robert Benjamin Hill, '42, 7/16/94
Hrone Socrates Makredes, '50, 7/23/94
Kendall Paul Rehwaltd, '42, 12/5/93

GAMMA BETA

Alfred Howard Barauk, '48, 7/92
Jack Clemens Davis, '36, 2/17/94
(Charter Member)
Derrill Conway Rohlf, '55, 12/29/93
George William Wagner, '54, 12/10/91

DELTA BETA

Donald Rhea Borders, '55
Robert Edward Delahanty, '44, 6/15/93
William Benson Hoofstetter, '46

EPSILON BETA

Donald William Antonow, '63, 5/11/91
Richard Wilbur Mickelson, '52, 8/6/94
(Charter Member)

LAMBDA BETA

William Ray Stone, '79, 9/3/93

THETA TAU LIBRARY

At the suggestion of **William K. Rey**, Mu '45, then Grand Regent, Theta Tau began in 1966 to collect copies of books authored or edited by members of the Fraternity. The Library which now includes more than a hundred volumes is maintained in the Central Office.

Many of the volumes are on engineering topics, of course, but the variety of subjects reflects the diversity of interest and expertise which characterizes our membership. Topics as varied as faith, economics, management, biography, history, and sports may be found among them.

Most of the volumes have been autographed by their Theta Tau authors or editors. Many of these members have contributed their books to the Library.

Books from this collection are available for lending to members. A list may be requested from the Central Office.

Your help is needed to make the Library as complete as possible. If you have published a book, or know a Brother who has, please help by providing information needed to obtain a copy (hopefully autographed) for the Theta Tau Library.

Among the additions to the library in the last couple of years are:

de Sarasate, Pablo, "Zigeunerweisen, Gipsy Airs Opus 20," as arranged for flute by **Wilfred R. George** (Omicron '50)

Dulles, John W. F. (Chi '43), *Carlos Lacerda, Brazilian Crusader, Vol. I*

Dulles, John W. F. (Chi '43), *The Sao Paulo Law School and the Anti-Vargas Resistance (1938-1945)*

Figgie, Harry E., Jr. (Delta '48), *Bankruptcy 1995: The Coming Collapse of America and How to Stop It*, (1992 and 1993 Editions)

Freeman, Harry M., Editor-in-Chief, and **Hovater, Louis R.** (Mu '48), *Standard Handbook of Hazardous Waste Treatment and Disposal*

George, Wilfred R. (Omicron '50), *The Profit Box System of Forecasting Stock Prices*

George, Wilfred R. (Omicron '50), *Tight Money Timing*

Hoyt, John, (Tau '48), *In Pursuit of the 60-Minute Hour*

Jensen, Ros, MAX, *A Biography of C. Maxwell Stanley* (Omicron '26)

Luckman, Charles (Kappa '31), *Twice in a Lifetime: From Soap to Skyscrapers*

Maloney, James O. (Zeta '36), *A History of the School of Engineering at the University of Kansas 1868-1988*

McPherson, David L. and **John W. Thatcher** (Lambda '28), *Instrumentation in the Hearing Sciences*

McQueen, John C. (Mu Beta '71), *Spencer: The First Effective and Widely Used Repeating Rifle and its Use in the Western Theater of the Civil War*

Ramo, Simon (Lambda '33), *The Business of Science*

Ramo, Simon (Lambda '33), *Extraordinary Tennis for the Ordinary Player* (Japanese edition)

Ramo, Simon (Lambda '33), *Fields and Waves in Communication Electronics*, 1994 Edition

Ramo, Simon (Lambda '33), *Tenets by Machiavelli*

Wales, Charles E. (Epsilon Beta '53), Stager, Robert A., *Guided Design: Teaching Decision Making*

Wales, Charles E. (Epsilon Beta '53), Stager, Robert A., *Thinking with Equations: Problem Solving in Math & Science*

Wright, Thomas D., Held, William M., Marsh, J. Rodney, and **Hovater, Louis R.** (Mu '48), *Manual of Procedures and Criteria for Inspecting the Installation of Flexible Membrane Liners in Hazardous Waste Facilities*

Sommermeier, Karl H. (Alpha '30), *Vi and Mam (The Lives of Viola Louise Sommermeier and Carrie Murray Stimmel)*

Chapter and Colony Addresses

*Alpha	515 Tenth Avenue, S. E. Minneapolis, MN 55414-1926 612/331-7931 & 7932	*Chi	1030 North Martin Avenue Tucson, AZ 85719-4946 602/881-8031 & 327-7718	Sigma Beta	U. of Wisconsin-Milwaukee P. O. Box 784 Milwaukee, WI 53201-0784 414/229-4477
*Beta	Route #1, Box 119 Houghton, MI 49931-9715 906/482-7259	*Omega	109 Kansas City Street Rapid City, SD 57701-2817 605/343-7768	Tau Beta	Southern Methodist University Box 436 Dallas, TX 75275-0436 214/706-5149
*Zeta	1935 Heatherwood Drive Lawrence, KS 66047-2207 913/841-0822 & 9867	Gamma Beta	Tompkins Hall, Room 103 The George Washington Univ. Washington, DC 20052 202/994-9499	Upsilon Beta	Webb Center, Room 200 Old Dominion University Norfolk, VA 23529 804/489-1923
*Mu	P. O. Drawer AM Tuscaloosa, AL 35486 (100 Smithwood Cir, E Tuscaloosa, AL 35487) 205/348-4924	*Epsilon Beta	478 West Alexandrine Detroit, MI 48201-1716 313/832-4042	Phi Beta	49 Oakland Center Oakland University Rochester, MI 48309-4401 810/370-2027
*Xi	1633 Monroe Street Madison, WI 53711-2021 608/257-7206	*Iota Beta	4026 W. McNichols Road Detroit, MI 48221-3039 313/862-2488	*Chi Beta	1420 Lawnview Toledo, OH 43607 419/536-6858
*Omicron	508 North Dubuque Iowa City, IA 52245-6235 319/338-4008	*Kappa Beta	P. O. Box 2983 Mississippi State, MS 39762 601/323-6184 & 6185	Psi Beta	CPE 3.162 Petroleum Engineering Dept. The U. of Texas at Austin Austin, TX 78712-1080 512/471-0221
*Pi	Thornton Hall, UVA Charlottesville, VA 22903 (108 Maury Avenue Charlottesville, VA 22903) 804/971-5892	*Lambda Beta	264 East 16th Street Cookeville, TN 38501-1302 615/526-3823	Omega Beta	Engineering Department 133 Hofstra University Hempstead, NY 11550-1090 516/463-5544
*Rho	4200 Western Boulevard Raleigh, NC 27606 919/859-0326	*Nu Beta	160 North Hickory Street Platteville, WI 53818-2058 608/348-4456 & 9639	Arizona State University Colony	ASU Box 165, Reach 3001 Arizona State University Tempe, AZ 85287-3001 602/834-6484
*Sigma	1946 Indianola Avenue Columbus, OH 43201-1510 614/291-3456 & 7966	Xi Beta	Lawrence Tech. University 21000 W. Ten Mile Road Southfield, MI 48075-1058 810/463-1621	Northwestern University Colony	McCormick School of Eng. Attn: Marla Dwyer 2145 Sheridan Road Evanston, IL 60208 708/864-3273
*Tau	1105 Harrison Street Syracuse, NY 13210 315/443-1993	Omicron Beta	U. of Michigan-Dearborn Room 226-ROC 4901 Evergreen Road Dearborn, MI 48128-1491 313/538-5430	* Chapter House	
*Upsilon	1322 West Cleveland Fayetteville, AR 72701-1707 501/443-4393	*Pi Beta	925 West Lovell Street Kalamazoo, MI 49007 616/383-3840		
*Phi	416 North Chauncey W. Lafayette, IN 47906-2988 317/743-2461 & 2601 Annex: 317/743-2623	Rho Beta	P. O. Box 5884 Athens, OH 45701-5884 614/593-1571 (Office)		

Theta Tau

Professional Engineering Fraternity
655 Craig Road, Suite 128
St. Louis, MO 63141-7168

If addressee has moved or is deceased, please return this portion of the cover annotated to show new address or date of death to the **Theta Tau Central Office**. Thank you.

NONPROFIT ORG.
U.S. POSTAGE
PAID
SYRACUSE, NY
PERMIT NO. 425

Forward & Address Correction