

The GEAR of Theta Tau

Volume LXIX, No. 1

Fall, 1982

EXTENSION

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The Gear Of Theta Tau

Volume LXIX, No. 1

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Fall, 1982

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EXTENSION

CONTENTS:

Extension Mechanics: A New Course in Theta Tau . . .	3
The Stephen J. Barth Convention . . .	4
Kappa Beta Today . . .	5
Alumni News . . .	7
My Experience With Theta Tau . . .	8
Chapter News . . .	9
Additions To Membership . . .	13
In Memoriam . . .	14
Professional Directory . . .	15
Advertise in The GEAR? . . .	15
Awards . . .	15
Elections . . .	15
Chapter Directory . . .	16

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Extension Mechanics: A New Course in Theta Tau

CRAIG HUFF, ΔB '76
GRAND MARSHAL

Do you realize how many of our chapters have folded in the last twenty years? ten? five? When was the last time you saw the installation of a new chapter reported in these pages? YOU BET IT'S DEPRESSING! That's why, this past week (as this is written), the 35th National Convention directed the Executive Council to employ at the earliest opportunity a brother to extend the fraternity to new campuses. Further, this brother is to aid existing chapters improve their own operations and advise them in their independent extension efforts.

In association with this, many chapter representatives and interested alumni have requested guidance in their attempts to add to the list of active chapters. Space limitations prevent a complete response, but the collected thoughts presented here should form a good basis for any effort. Copies of the manual *"The Way to Theta Tau"* are available from the Central Office and will prove helpful to students interested in starting a chapter on their campus, as well as to members seeking to start new chapters.

Contact is the first step, the last step and most steps in between!

Therefore, whether communicating by letter, telephone, or in person, always work to make a favorable impression. Think about your audience when preparing your appearance, organize your thoughts and watch your grammar and spelling when you write.

Before attempting to recruit on campus, find out if a new fraternity will be welcomed. Most schools have an administrative office in charge of student organizations whose view should be solicited. Also check with the Dean of the Engineering School. While a negative response isn't necessarily the end, the effort required will be substantially increased. If they are receptive, their help may prove invaluable. They will advise you of the rules and regulations applying to your efforts and provide you with any preliminary forms you must complete. Find out what other paperwork will be required when you succeed in the formation of a new organization. A constitution and bylaws will most likely be required of the local organization by the school or university. Those of your own chapter may be used as a guide, the Central Office can provide



examples, or the school administration may be of assistance.

Investigate the campus. Is it a resident campus, or do students primarily commute from home? Are there any local organizations on campus that might be interested in affiliating with Theta Tau? Remember that while chapters may only initiate engineering students and affiliating groups must be willing to limit membership after installation as a chapter or colony, they do not necessarily have to limit membership to engineers beforehand to be considered. (It is preferable, but exceptions can and have been made.)

Once you become familiar with the campus, you should be able to select the best way or ways to contact students. You might arrange to make presentations to the student engineering societies, or you might be able to address a freshman student assembly. An enthusiastic faculty member might allow you the privilege of a few moments in one of his classes. Don't forget to check for Theta Taus on the faculty or in the administration! Compare faculty listings in the course catalogs with members listed in the latest directory. While membership in Theta Tau is no guarantee, they are more likely to aid and assist you.

What about the student you met this summer?

Notice that these activities all involve direct interaction with potential new members and administrators. While papering the campus with posters and stuffing mailboxes with brochures will make our name known on campus, positive results require personal involve-

continued on page 6

The Stephen J. Barth Convention

35th NATIONAL CONVENTION

Eta Beta Chapter at the University of Houston hosted a very productive Convention this August. It may well be remembered as a landmark in Theta Tau history. This Convention has decided to do something about the continual decline in numbers which Theta Tau has been experiencing for several years.

We have seen reduced numbers of actives in our chapters and lost chapters because of conflicts over membership requirements. In addition, we have received only two petitions for colony status and one petition for chapter status in the last ten years.

In the face of these problems, we still have many strong chapters and good alumni participation at the National level. The amount of monetary support from our alumni is important in helping sustain the cost of National Fraternity operation.

EXTENSION DIRECTOR FUNDED

The Thirty-Fifth Convention considered these problems and the consequences of inaction. It recommended and approved expenditures for an Extension Director, who has been given three major directives.

- 1) To revitalize inactive chapters,
- 2) To establish new chapters, and
- 3) To assist existing chapters with rushing and pledging.

Previous to this Convention, there have been several efforts around the country to establish new chapters and revitalize inactive chapters. However, there was previously no one on the National level to coordinate these activities. We have identified certain target universities for the establishment of new chapters. We have also identified members who can assist locally in the establishment of a new chapter. The Extension Director can assist in establishing contacts, setting up rush programs, and coordinating efforts.



Brothers Bergem, A '82, and Scheetz, O '79 present their papers to the Convention.



Past Grand Regent Barth

Previous efforts to increase membership involved offering cash rewards for establishing new chapters and for increasing membership above predetermined levels in existing chapters. A member of the Executive Council was also appointed as a parttime coordinator for extension efforts. Four years on this plan resulted in one new colony.

A closer look at Theta Tau history reveals two periods of rapid expansion. One of these occurred during the 20's and 30's as existing local fraternities petitioned to join Theta Tau. The second occurred in the late 50's and the 60's when Brother Bob Pope was appointed as Traveling Secretary. Seven chapters were established during the 60's.

TEAMWORK IS NEEDED

The Extension Director is scheduled to start in the Spring of 1983. Training and preparation for fall rush activities will take up the summer, with the rest of the year devoted to extension activities on the road. We hope to find a newly graduated alumnus of Theta Tau to take on this job. It is felt that a younger person would have better rapport with students. Funding for this project will come from the invested funds in the amount of \$25,000 per year for salary and extension expenses.

COMPUTER AGE ARRIVES

In separate action, the Convention approved the start of a computerization project which will streamline the operations of the Central Office and the GEAR. Initial system purchase, setup, and debugging

continued on page 6

KAPPA BETA TODAY

FRANCES MASHBURN, KB '84

Mississippi State University, a Land-Grant Institution established in 1878, consists of nearly 10,000 students enrolled in science- and business-related curricula. Of these, one-fourth are a part of the College of Engineering. Drawing from a reservoir of about fifteen hundred eligible and, generally, interested students, Kappa Beta Chapter of Theta Tau Fraternity allows only about eight a semester to become our brothers in Theta Tau. The reason for this is obvious: initiation into our Fraternity is not to be taken lightly, by members or by those desiring membership. Only through a rigorous pledging program and uncompromising standards can we ensure that a member initiated at Kappa Beta deserves the right to call himself a Theta Tau.

At the beginning of each semester, two rush parties are held, one formal (coat and tie) and located in the Student Union, and the other an informal cookout at the KB House. A meeting is held immediately after each of narrow down the prospects to be invited to pledge. Usually fifteen to twenty rushers are pinned, and then begins a program designed to test not only qualities of brotherhood and professionalism, but also endurance and stamina.

The feeling at Kappa Beta is that a tough and time-consuming pledging period is a necessity in order to guarantee that the prospective member has sufficient "free time" to be an asset to the Fraternity following his initiation. Included in pledging is a namelist which must be signed by every student member and Advisor of the chapter. In order to obtain these names, the pledge must interview each member individually, an activity requiring about sixty hours out of a semester.



Thus familiarity is achieved and the seeds of brotherhood are planted. Pledges are also required to perform a community service project and a House project, neither of which is insubstantial. In addition, they must each sculpt a hammer to specifications from a rectangular block of mahogany without the use of power tools.

Any engineering student able to perform all these duties as well as maintain a high scholastic average in his pledging semester certainly has time to become an active and dedicated member of Theta Tau. Of course, about half of these originally pinned never see the initiation ceremony; many drop when they realize how much time the program actually consumes, and others are encouraged to drop when pledging begins to affect their grades.

After that, things get tough.

For those who do succeed, initiation soon follows, and a new member spends his first semester in a learning process, commonly referred to as his Junior Active, or JA, semester. During this period, he is assigned to organizational committees, particularly Rush and Alumni Relations, is able to see how meetings are run, and generally is able to get the feel for the workings of the chapter.

After that, things get tough.

Being a good member of Kappa Beta is rougher and more time-consuming than any pledge program could ever be. Working to ensure that our brotherhood remains intact, that each of us expands professionally, that the chapter remains actively involved with the university and community, and that our responsibilities to our schoolwork do not suffer, is a 24-hour-a-day job. Every member is expected to become an active part of his technical society, as well as any honorary for which he is qualified. Many serve on the Engineering Student Council and play an important part in its functions.

The chapter regularly participates in university-sponsored functions, including the UPC Halloween Carnival, in which money is raised for charity through carnival booths set up on the drill field, the ESC Picnic, Intramural Sports, High School Day displays, and, of course, Homecoming Activities. KB also sponsors several of its own functions, some open to the public, others not. Among them are our community service projects (separate from the pledges'), 5K runs, Professional Development Dinners (PD's), in which guest speakers are featured at local restaurants, a recent racquetball tournament, and PD tours of the university and nearby industries.

Kappa Beta also tries to instill in its members confidence and qualities of leadership. Younger members are able to develop and display such qualities by serving well their committees. When officer elections are

continued on page 6

will be done by the GEAR Editor. The system will then be expanded to allow its use for Central Office functions.

For the initial system, we are seeking a small micro-computer system which can handle word processing, magazine layout, and simple database management functions for the mailing list and a GEAR index.

Expansion of this system to Central Office operations will require, in addition to the functions needed by the GEAR, an office management package for payroll, accounts payable, general ledger, and finances, plus enough power to handle the mass of alumni information we have on hand. In addition, we hope to automate billing of chapters. This will allow better control of finances.

Many expanded capabilities will be made possible by this system, as well as cost savings. We will be able to sort out a list of alumni by chapter, graduation data, geographic region, pledge class, major degree, industry, or any other information contained in our files. This should make alumni field secretaries more effective, and make chapter reunions an easier task.

The GEAR will be able to reduce costs of composition, and possibly reduce production time from eight weeks to five weeks. This will allow the use of more current information.

Kappa Beta (cont.)

due, votes are cast based on the nominees' ability, experience, intelligence, and popularity, in that order. With this quality membership, election results are oftentimes so close that members absent from the meeting must be contacted before the winner can be announced.

One final point must be made before this article reaches its end: that always, during any of the aforementioned chapter functions, we attempt to maintain that professional attitude in which Erich J. Schrader found so much importance. With most of us, it is no longer a matter of concious effort. Since the time of our pledge interviews, all of us have discussed and developed our thoughts on professionalism and sought to exemplify these thoughts through our actions. It is important that all Theta Taus across the country remember that strong brotherhood and a healthy social life is only half of this great Fraternity of ours; it is our professionalism and our unique ideals that set us apart. Each of us represents Theta Tau in everything we do, and we should strive to maintain that high standard of professional interest that brought about the existence of our Fraternity.

FINANCES SCRUTINIZED

On the financial side, the Convention addressed the problem of replenishing the invested funds to be used to pay expenses for the Extension Director.

In order to prevent depletion of the invested funds, the Convention has asked that each active and pledge volunteer to sign a pledge of \$100 towards the Founders Fund. This pledge is to be paid within one year of graduation. In addition, a \$10 pledging fee was added, and national dues were raised \$5 per active from \$26 to \$31 per semester.

To complete the financial actions, the Convention directed the Executive Council to take actions to collect past due accounts from delinquent chapters. This should discourage chapters from allowing members to graduate owing large amounts of money.

CONVENTION DATE

Finally, the Convention legitimized annual summer conventions by decreeing that annual National conventions be held in August. Even years will see formal Conventions with full legislative powers. Odd years will see informal Conferences with legislative powers as determined necessary by the Executive Council. The informal Conferences will concentrate on officer workshops and chapter interactions.

Extension (cont.)

ment. Such personal interaction need not be limited to on-campus efforts. What about the student you met this summer? Or perhaps you met someone during a co-operative internship. Maybe he would be interested in starting a chapter at HIS school if you have shown him during the summer the benefits you enjoy from Theta Tau membership and the value you place on it.

As you can see, there are many ways to start a chapter. All of them require a personal commitment to expend the effort necessary to get a new chapter started. If YOU don't make that commitment, how can you expect others to do so? All of us have vowed to "endeavor by thought and deed not only to perpetuate (our own) chapter but also the fraternity at large." Today our perpetuation requires growth. Let's do something about it.



Laurie Jane Weiss, Δ '78, has been active in helping the handicapped. She is involved in organizing an annual triathlon, with proceeds going to benefit the Special Olympics. A triathlon is a combined 1.25 mile swim, 56 mile bike ride, and 13 mile run. The event in October, 1981 had 200 participants, and grossed enough to make a \$1200.00 donation. Brother Weiss, a biomedical engineer, works for International Transducer in Goleta, California.

Kirk P. Pond, T '66, manager of Texas Instruments Incorporated's U.S. calculator operations, has been named an assistant vice president.

Brother Pond joined TI in May 1968. His career with TI has included assignments in the semiconductor and consumer products businesses with responsibilities in manufacturing operations, financial planning, and division management in Dallas, Singapore, Taiwan and Lubbock.

Brother Pond was born in Stuttgart, Arkansas. He received a Bachelor of Science degree in electrical engineering from the University of Arkansas in 1966 and a Master of Business Administration degree from the Wharton Graduate School of the University of Pennsylvania in 1968.

Dr. Simon Ramo, A, '33, has been named "Distinguished Alumnus," by the University of Utah at its Founders Day Banquet, March 4, 1982. Brother Ramo, Los Angeles, is a scientist, engineer, and educator. He is a co-founder of TRW (Thompson-Ramo-Wooldridge), Inc., one of the world's largest high technology companies. He was the chief scientist and technical director of the nation's Intercontinental Ballistic Missile program and is a recipient of the National Science Medal. Dr. Ramo is the author of several textbooks on science and engineering and teaches at Caltech, the University of California, and the Harvard School of Government.

The banquet was held in the University's Olpin Union Ballroom. President David P. Gardner delivered the address.

Brother Ramo recently donated three of his books to the Theta Tau Library. These books are: *The Management of Innovative Technological Corporations*, John Wiley and Sons, New York, Chichester, Brisbane, and Toronto, 1980; *America's Technology Slip*, John Wiley and Sons, New York, Chichester, Brisbane, and Toronto, 1980; and *The Islands of E, Cono, and My*, Crown Publishers, Inc., New York, 1973.

William J. Hagenlocher, Nu '32, was the 1982 recipient of the Distinguished Service Award, presented annually by the Canton (Ohio) Regional Society of Professional Engineers. The award is presented to outstanding members of the Canton Chapter for professional development of engineers and students and the advancement of engineering in general. Hagenlocher, who has been in the engineering profession for 50 years, is a past president of the chapter and still active as a part-time employee of Hammontree and Associates, a local consulting firm. He is a past president of the North Canton Rotary Club and past district governor of Rotary International. A 32° Mason, he is also an elder in his church and remains active in community affairs.

Bill and his wife, Genevieve have 3 married daughters and 6 grandchildren. He enjoys photography, bowling and golf.

Paul F. Cummings, Alpha '37, recently retired as the State of Minnesota Architectural Engineer, a post he has held for many years. His co-workers honored him by throwing a "Hang in there, Paul" retirement party for him on Thursday, July 22, 1982 in the east atrium of the Butler Square Building in Minneapolis. The event included a buffet dinner, testimonial letters, and a gift for Brother Cummings.

The GEAR has received *The Paper-Grate Story* from **Dr. Wilfred R. George, O '50**. *The Paper-Grate Story* describes a new fireplace grate used for burning newspapers which Dr. George invented in 1971. We will let Dr. George speak for himself.

"Paper-Grate burns old newspapers, junk-mail, throw-aways, magazines (not the glossy types), computer printouts and the like. It takes about 10 pounds of newspaper to load Paper-Grate, or a newspaper stack about six inches high. This is enough to make eight paper rolls, each about four inches in diameter, and 11 inches high."

"Paper-Grate can sit on top of a fireplace grate, or by itself. It has eight compartments, into which papers can be placed. Take a newspaper, roll it by hand, and place it vertically into one of the spaces. To fill all eight compartments takes barely a minute. Then lay one sheet of newspaper on top of the eight rolls, light one corner of it, and draw the firescreen if you have one. And that's all there is to it."

My Experience With Theta Tau

or The Theta Tau Writing Contest

Alumnus Division

Randall J. Scheetz, O '79

*When you walk down the Engineering College halls,
Between those illusive walls,
It may appear that you are alone, but yet;
It's a lot better than you might bet.*

*Yet still alone, with crowds at my side,
One man comes over to bid me good tide.
He says that he is a friend,
And that his friendship will never end.*

*He introduces himself as a Theta Tau.
And as I was not struck with awe,
He explained what Theta Taus do,
And that I could be one too.*

*And as I went through being a pledge,
Never once did I hedge.
For I knew that if I made it through,
It would be a dream come true.*

*When Formal Initiation was done,
I knew that my career had just begun.
Knowing what you're supposed to be,
Made sure that success was in store for me.*

*Now being Regent isn't all fun,
There is always lots of work to be done.
A meeting here, a project there,
And to instill the thought that we all care.*

*No addresses for Alums, seems without hope.
For special reinforcements, we called the "Pope."
Well that's a start, we started to tramp.
At 13 cents per letter, we need a Non-Profit stamp.*

*Out with the letters, out with the news,
Inviting Alumni to share in our booze.
Our first annual pigroast, it was tried.
After all these years, it has still survived.*

*But now I'm gone from college life,
And back into the usual strife.
Every now and again it's good to know,
What ever happened to so-and-so.*

*I recently discovered my Brothers true,
The Active ones, not yet through,
Because they were nice enough to invite me back,
Back I came, to my home track.*

*It's nice to know what they've done well.
They've become stronger when others fell.
And the brotherhood that they don't know yet,
Will see them through—THAT I'LL BET!*

Active Division

Phillip G. Bergem, A '82

My most cherished experience with Theta Tau has been with the people I've met and the bonds that have developed. At the onset of my university career I was just one of the thousands of nameless and confused students. My involvement with the fraternity gave me a base point from which to work and my association with the other members gave me a sense of recognition and belonging among the nameless masses.

It is difficult to go a whole day on campus, wandering between classes, without seeing the familiar dark red and gold of a Theta Tau jacket or hearing the shouted greeting of a brother. The fraternal bond between the members is closer than anything that regular classmates or dorm-mates possess. During the spring this leads to impromptu meetings of several members on the Mall. At other times of the year you can find groups of brothers talking about their respective days in the Union. All of this helps a person to keep his sanity during an otherwise arduous school career and it is possible because of the people involved.

As I mentioned earlier, I cherish the bonds that have developed between myself and other schoolmates through Theta Tau. What thrills me even more is the knowledge that these bonds do not need to dissolve upon graduation. I have seen these relationships continue through the years.

While a student in Mining Engineering, I attended several trade conventions. At each one of these meetings I proudly wore my Theta Tau badge. Because of it, I met some alumni or students from various chapters who recognized it and stopped to chat for a while. The most memorable one was during my first convention up to Duluth, Minnesota. I was having a very interesting conversation with a gentleman while standing in a buffet line. After talking for about ten minutes he noticed my badge and said, "I knew that there was something special I liked about you. I'm from Chi chapter, Tucson and graduated in 1938." What a thrill that was. Once fraternal recognition occurred, a sense of kinship linked me with a person who was a stranger only moments before.

I remember a comment that a member made while a group of us were partying with Beta chapter in Upper Michigan recently. "This is great," he said. "These guys aren't strangers, they're just friends I hadn't met before."

Chapter News



ALPHA

University of Minnesota

In the last year Alpha Chapter has made several strides to improve operations in almost every area. A strong rush program brought on 11 new members. Financial changes have improved the chapter's cash flow problems. Several projects were initiated to improve the chapter's house. The number of PL&D (professional leadership and development) activities not only increased but chapter participation was also up. In addition, our social calendar has been very full during the past year. For starters, our rush program has proven to be continually successful. For the past five years, every fall, we send out hundreds of letters to all incoming IT (Institute of Technology) students. We invite them to join us for dinner at a famous Minneapolis restaurant. At the dinner we usually have several speakers from the fraternity, our school, or sometimes, from local industry. After the dinner we return to the chapter house where we have a more informal gathering to relax and answer questions. This dinner is largely responsible for many of our new members.

Financially Alpha Chapter is in the best shape ever. During the past year several new payment guidelines were introduced along with tougher enforcements. Because of this Alpha has been able to pay off much of its debt and is also helping the Alumni Association in their house payments.

Professionally Alpha has had more events this year than ever before. Several speakers have been brought to the house to share information on robotics, computer aided design and manufacturing, information gathering, optics, lasers and many others. To add to this list we have toured several companies like Honeywell, 3M, Graco and more.

Our house has taken on a new look too. This summer the massive job of stripping, sanding, staining and repainting the house exterior nears completion. The job of turning the house color from dull grey to an attractive brown stain was started a year ago and is the result of several members' hard work. Other projects this year include complete kitchen repainting, broken window repairs, and a main hall redecoration. We also have a new water heater installation in the works.

Many of our members have also been busy on their own this year. Several people belong to societies like ASME, TBII, AICE, AIAA, ASAE, ASCE, NSPE, AIME. Besides societies other members are involved in Minnesota Crew, ROTC, Minnesota Technology, and a Student Industrial Advisor Program.

Our Alumni have also been active this year. Besides hosting the annual Founders Day dinner they were involved in a Winter Polka Party, Superbowl bash and other activities.

The past year has been full of many activities and experiences. We hope to keep it that way in the years to come.

BETA

Michigan Technological University

This year Beta has seen a few new changes. Last fall our house was completely insulated for less than \$1000 which in the following months seemed to make a significant difference in our heating. Our new cook, who has been with us for a year, has worked out very well by saving money on the budget and making excellent home cooked meals, not to mention the tasty pies, cookies and bread. As a result, our debt to the area merchants has just about been cleared up with the gas and food being the largest.

Our membership is still holding at 1175 with six more to be initiated this fall. Beta is again ranked in the top five of fourteen fraternities and sororities at Tech. This ranking is based on academic

achievements, sports participation and involvement in social and charitable organizations.

This fall we will be holding a fund raiser for the handicapped. This money will be used to send many children to summer camps in our area. This past winter Beta hosted children from the surrounding U.P. areas who were in Houghton to participate in Winter Sports. This was a terrific weekend so again this winter we will host about 20 students in the 8 to 15 year age group.

With summer coming to an end and school nearing, everything will start rolling again out at Beta. October is filled with "Homecoming" events along with the preparation of Old Man Winter. You just don't know what you're missing until you've been in Houghton, MI in the middle of January!

In all, Beta has survived another year and looks forward to the new one coming soon!

DELTA

Case Western Reserve University

Greetings from Delta Chapter! We have had a successful year in our rushing and National Engineering Week activities.

Delta Chapter began last fall by celebrating Founders' Day with a wine and cheese party. Then, our rushing activities included several parties and a spaghetti dinner cooked by the members. The pledge project for this year was to arrange a lecture series open to the campus. Each lecture was given by a professional from various technical fields. These lectures not only encouraged contact with the pledges but were very practical and informative.

The chapter was pleased to initiate eleven new pledges in April, thus giving a total of eighteen current student members. The Delta Chapter now has a total of 1266 members initiated since the chapter was established in 1911.

We were happy to have Brother Craig S. Huff, Eastern Regional Director, with us at our Initiation ceremony and celebration dinner. We were grateful for Brother Huff's attendance and his help regarding fraternity business. Also attending the Initiation ceremony and dinner were alumni, Brother Marc Keleman and Brother Mike Bryson. The chapter expresses thanks to those alumni who have supported and participated in our activities throughout the year.

Delta Chapter gained more recognition on campus by our success during National Engineering Week. We were proud of Brother Connie Clark who originated our engineering project for an Engineering Project Fair for all Case engineering-related organizations. Thanks to Brother Clark's hard work, Delta Chapter won first place, making this the second year in a row. The project was then submitted in inter-campus competition and was awarded third place.

New and old members have shown interest in making a road trip this fall to another chapter, redecorating a meeting room into a study room, improving alumni relations, and organizing more fraternity activities that would promote a closer fellowship.

ZETA

University of Kansas

Since our establishment in April 1912, Zeta Chapter has initiated 810 members and currently has 22 active members.

The last two semesters have shown increased activity and participation here at Zeta Chapter. Of the many scholastic activities were three speakers, tours through the FMC plant and the Kansas Power and Light plant, and the Engineering Exposition, in which we placed third. Our social activities included participation in co-ed volleyball, mens volleyball, mens basketball, and co-ed softball. We held a casino party in the fall semester and a "rainstorm" party and beach party in the spring, along with many rush parties. Our Founders' Day Banquet was also a great success.

Our eighth bedroom duplex which serves as our Chapter House will be almost completely filled with Theta Tau members for the first year since it was bought. We have made many improvements on it and many more are planned. Our alumni relations were at their highest level in many years. We are still working hard to further improve them.

The last year was a good one and with the same enthusiasm this year should be even better.

OMICRON

University of Iowa

Each semester Omicron chapter holds a spaghetti dinner for people interested in Theta Tau. Not only is it a free meal, it gives engineering students a chance to get to know us better and vice versa. This year a slide show on the building of Hoover Dam was shown in order to emphasize that we promote professionalism.

The idea of a "Big Brother" program for pledges was recommended at the last National Convention. Our chapter initiated this program in the following manner. Each "Big Brother" was responsible for pinning his pledge and for following his advancement through pledging; answering any questions his pledge might have. The program was very well received and will be used for future pledging.

Theta Tau once again aided in bringing in a speaker for National Engineers' Week. This year's speaker, John Anderson, not only gave an excellent speech, but also achieved our purpose by drawing attention to the engineering profession.

Three seminars were set up by Theta Tau members this year. Two of the seminars, Stanley Consultants and Labor Relations, were held for the entire Engineering College. A seminar on Communications Awareness was held after a chapter meeting. It was an excellent device for determining our chapter goals and developing ideas of how to achieve them.

Theta Tau members showed their enthusiasm towards Engineering College events and campus activities by being active in such organizations as UICAC, Associated Students of Engineering, and various engineering honorary societies. Theta Tau members were also largely responsible for the fantastic success of MECCA Week, national Engineers' Week, and the building of the Corn Monument for Homecoming.

The participation in community activities during pledging this year was outstanding. Not only did the pledges participate, quite a few actives joined in, too! Typical projects were: donating blood, playing softball for asthma, visiting nursing homes, and participation in a swimathon, danceathon, and marathon for worthwhile causes. Gratitude was expressed for all activities mentioned.

Yard work services were once again offered by Theta Tau members. This is one of our means of fund raising.

RHO

North Carolina State University at Raleigh

To this date, Rho Chapter has initiated 942 student members into the Brotherhood of Theta Tau. Our current total membership stands at 33, even though we do not have a chapter house, and this number is steadily increasing.

Our major service projects of the chapter are yearly Christmas visits to the Governor Morehead School of the Blind in Raleigh, and assisting the N.S.P.E. with the engineer's exposition with a display from our chapter.

In the area of Professional Development, we often have speakers on various topics relating to engineering to speak at our meetings. Also, we have plant trips to various industrial sites such as the Shearon Harris Nuclear Power Plant under construction near Raleigh.

This next year the chapter hopes to obtain a chapter room on campus. Also, we plan to become actively involved in our newly founded membership in the Inter Fraternity Council at North Carolina State University.

SIGMA

Ohio State University

Sigma chapter, located at Ohio State University in Columbus, Ohio, was established on November 29, 1924. 730 members have been initiated since that day. Current student membership stands at 17; six initiated since last year's convention.

This past year has been packed full of a number of activities and projects, including expansion of our rush program, improvement and remodeling of our house and experimentation with our social program.

A few new ideas were tried in rush, some of which could probably be better classified as advertising or promotion. One of the more original ideas was the setting up of a display in the college of engineering office, where all engineering students must go to pick up their schedules each quarter. This was put on a partition located out in plain view of all who enter the office. We also reserved a display case on the engineering campus and put a Theta Tau poster in it for one quarter. These combined with our traditional display in the engineering building during engineer's week, and a number of rush parties and smokers helped our rush program to go very well. This allowed us to initiate two quality pledge classes and obtain a good number of additional pledges for fall.

Improvement on our chapter house was also at a high this past year due to successful solicitation for donations from alumni. We used some of the ideas presented at last year's convention for soliciting alumni donations with a great success. We merely indicated our need for money with some idea of what we were going to use it for; in our case, house improvement. A number of donations came in but the most notable was one alumnus' offering to match any and all other donations combined as high as \$5000. Current projects underway include the complete remodeling of our chapter room—a much-needed drop ceiling and lighting; the installation of storm windows throughout, a new handrail along our front steps, and a number of individual room improvement projects. We allot a set amount of money each quarter to be used to improve individual rooms within the house.

Learning and Professional Development was also successful this year, and included trips to the new Refuse and Coal Fired Power Plant and the Anheuser-Busch breweries. Both of these trips were arranged to be guided by engineers from the respective companies and proved to be very enlightening.

Overall, this past year went very well. We set, and accomplished, many of our chapter goals and had a good time in the process. Some of the ideas presented at the last convention proved very useful and we hope this year's is equally enlightening.

TAU

Syracuse University

Tau chapter, located at Syracuse University in Syracuse, New York has initiated 791 brothers since its founding on December 12, 1925. Presently we have thirteen active members, who are very dedicated.

At Syracuse the Fall semester starts a week earlier for the brothers of Tau chapter than for other students. We spend this week working on our chapter house and preparing for Fall rush. This gives us a chance to work together without the distractions of school work, which, I believe, is advantageous to Tau chapter. It helps to unify us, which in turn helps project a better image to potential pledges.

After formal rush, we prepare for our annual Founders' Day celebration on or around October 15th. Each year Tau chapter has a semi-formal dinner-dance at a local banquet hall. Invited to attend, with dates, of course, are National officers, Theta Tau alumni, active members, pledges and a guest speaker.

In the past year Tau chapter has increased its participation in intramural sports as well as its usual participation in the Greek Games, which are held every year during Greek Week.

Annually, during the Christmas season, we give a party, co-hosted with a sorority, for handicapped or underprivileged children in the Syracuse area.

In the Spring we organize Engineer's Week, which involves guest

speakers on various engineering subjects, as well as a basketball tournament among the engineering societies at Syracuse University.

In April of every year one of the largest college dance marathons is held at Syracuse University to raise money for the Muscular Dystrophy Association. The marathon is run entirely by the "Greeks" and raises tens of thousands of dollars for M.D. Tau chapter has always sponsored a dance couple to help raise money.

To round out our Spring semester we hold a barbeque on the last day of finals, which wraps up our usual events. Now for the unusual! For our spring break we (nine of us) went to Ohio State to visit Sigma chapter. We had a great time and would like to take this opportunity to thank Sigma chapter again for its terrific hospitality. We hope they will return our visit in the near future.

I strongly recommend that every chapter visit another chapter. The experience, I assure you, will be worth it.

UPSILON

University of Arkansas

Since the last convention, Upsilon has initiated a whopping 12 new members. This is the largest amount initiated in two years. This brings our number of members of this chapter to 904 with an amazing 37 active members.

In intramurals, our basketball team had an incredible season of 5-0, football was at 3-2, and softball was a bit lack luster. Our bowling team won the overall AA Fraternity division and went on to the Roll-offs in AAA.

The Fall semester was filled with many activities such as: Rush, 2nd annual Masquerade Ball, a wild, paint-peeling Toga party, the insanity of Texas Week (42-11, ARK), Founders' Day celebration, and Initiation. Spring semester was even busier. During Professional Engineers' week we had a worldwide figure, Dr. John L. Imhoff, speak on the productivity crisis in America. Rush was highly successful producing the largest pledge class in 2½ years. The Tau of Upsilon then geared up for the engineering event of the year—"ENGINE WEEK." Engine Council, which organizes this event and is the student representatives of the college, is once again manned primarily by Theta Tau. Engine Week activities included: Departmental basketball, Casino night, the Soap-Box Derby, Engine Rally, and the infamous Theta Tau Ice Cream Social with 10 kegs of engineering "ice cream." The Rally was also a great event in which is chosen St. Pat and St. Patricia. The night was filled with the contestants competing by talent and various acts performed by creative students. Our very own Richard Gay (representing GT) won the coveted St. Pat title with a moving violin solo. The night was also finished out by the music of our own band, the Laplace Transforms. Engine Week activities are considered to be of great importance to us at the U of A. It is a task we at Upsilon take on with much pride and vigor.

The members of Upsilon chapter, as usual, participated heavily in the professional societies, honor societies, and other engineering activities such as the Arkansas Engineer magazine with our vice-regent, James Bellora as its Editor.

PHI

Purdue University

The past year has been a busy one for the members of Phi chapter at Purdue University. We initiated six members during the year and our present pledge class consists of twelve great guys. The new members brings us up to pin number 601 and an active membership of 35. Besides strengthening our numbers we have kept ourselves occupied with strong social and professional programs.

Our professional program included speakers from such places as Teledyne and IBM and a plant trip to Olin Chemical which 13 people attended. Presently, we are working on plans to tour the Zion Nuclear Power Plant. We are also proud to report that Phi chapter rebounded from being 5th academically among 42 fraternities, to the big NUMBER ONE with a house GPA of 5.158/6.0 to edge our nearest competitor by almost three tenths of a point. This is the highest GPA to capture first place on campus in any active's memory.

CHI

University of Arizona

In the year since our last convention Chi Chapter has had the pleasure of initiating 12 new members, bringing our current chapter size to 27 and total membership to 903.

This increase in chapter size has enabled Chi Chapter to become a more active and stable chapter at the University of Arizona. Recently we earned \$200 working in an Engineering Phone-a-thon to raise money for the U of A Engineering Department. At present we are trying to get authorization to have Chi Chapter represented at the summer orientation for new students.

In the last year the Chapter and House have solidified their financial position and have found solutions to some pressing internal problems. With gifts from several alumni and an increase in collected dues, the chapter has a cash surplus with which to begin the semester. We will complete payments on a loan from National in early 1983.

There have been many projects to improve our house this year. Most of the apartments were repainted, the roofs of the Chapter room and House were resealed, and we have begun to replace the carpets and furnishings in many of the apartments. Last week several of our members replanted our back yard with sod and installed a new sprinkler system.

PSI

Montana College of Mineral Science and Technology

PSI celebrated its 50th anniversary as a chapter of Theta Tau this year at its annual spring banquet. The banquet was very successful with all active members and several alumni present.

During the past year PSI chapter was very active in student government at Montana College of Mineral Science and Technology. PSI had brothers Mohlhoff and Salles elected as president and vice-president respectively of the student body. PSI also had brother A. McCrea elected as Chief Justice, brother Babich as associate justice, and brother Farmer as one of the four delegates.

Our pledge program last year was a little slow, we initiated only three new members; brothers Satchwell, Cassel, and Powers. Hopefully our pledge program will be more successful this fall.

OMEGA

South Dakota School of Mines and Technology

I am more than happy to announce that this year is Omega Chapter's fiftieth year in existence. To honor this milestone we invited the alumni to attend our Formal. The twenty alumni that could make it enjoyed a picnic, open house, a formal dinner and awards ceremony, and live music. I hope we do not have to wait another fifty years to do it again.

Since our last convention we have initiated fourteen new actives, bringing our total number of student members to forty-one and our total number since establishment to be eight hundred and ninety-five.

This year we completed many improvements on our house. We replaced all of our old lights with new, more efficient fluorescent fixtures. We repainted all of the walls and decorated them with all new alumni pictures. We installed a new phone and paging system for the three floors in the house, put new railroad-tie posts around our parking lot, and planted some new trees. We now have plans to put in a new sidewalk behind our house, rebuild a monument on campus, and install a computer terminal in the house.

Activities always seem to keep us busy around here. This year as usual, we sponsored Engineer's Week by hosting the Grubby #1 contest on campus. This contest includes a bunch of small games that require engineering skills. We also kept up with our regular blood drives, sponsored a bike race, sponsored a MDA dance-a-thon, cleaned up a public bike trail, and helped the Jaycees operate a haunted house for the children of our community. Along with all of these activities, we also entered a public parade and received a trophy for best entry.

This last year we also managed to have an active elected as Senior Class Vice-President and another elected to the Senate. We too now have four active on our school annual staff. And to crown our entire active year, we again obtained the highest grade point average among all the fraternities on campus . . . Professional Development Pays!

ETA BETA

University of Houston

Currently, our active membership stands at thirty-two, with two hundred and ninety-eight men initiated since chapter founding on May 13, 1961. Following are highlights of the past year since the last National Convention.

We are pleased to report that we have retired the last of two five thousand dollar notes due on our house. With the last of these obstacles removed we have begun an aggressive program of house improvement. We have already nearly completed painting the interior of the house and plan to replace the roof, paint the exterior and install central air conditioning by next summer.

The chapter was pleased to initiate eleven members over the past year in classes of three and eight men. The pledge classes performed projects consisting of a walkway to the back house and a wall and closet to subdivide a large room into smaller bedrooms.

As is traditional, our football team went to the playoffs advancing as far as the semi-finals. Our softball team provided a great deal of fun for our members and was a wonderful source of amusement for the opposition and spectators alike.

KAPPA BETA

Mississippi State University

Kappa Beta of Theta Tau has initiated 344 young men and women since its establishment at Mississippi State University in November, 1964. At present, there are 37 active members in Kappa Beta Chapter.

Kappa Beta's ideas and activities for the current biennium are concentrated in three areas. The foremost of these areas is the advancement of professionalism on our campus and in the local public. One way in which we hope to accomplish this is by holding campus-wide forums in which speakers from various professions will be asked to lecture and respond to questions.

Another idea in this area is having members go to local high schools with a presentation introducing engineering as a profession to the senior students. Using this as a foundation, hopefully the students will have a more intelligent view of engineering.

The second area of interest for Kappa Beta concerns the chapter house. It was purchased as a temporary house with the intention of

finding a more suitable house when it was deemed feasible. Recently, our members have expressed desires to move closer to campus and increase the size of the house to accommodate a library and chapter room.

Finally, in an effort to see these goals realized, a committee will be formed to assist the Vice-President in directing the individual committees. This should allow the Vice-President to help the committees increase their efficiency without requiring him to spend all his time on governing the committees.

We feel that if we can see these plans come about, this biennium could be considered a great success.

LAMBDA BETA

Tennessee Technological University

The Thirty-Fifth National Convention marks the end of another year at Tennessee Technological University in Cookeville, Tennessee. During the past twelve months we have excelled in several different areas. We put extra emphasis on athletics, while continuing to sponsor our big one-quarter parties and keep an eye on academics.

Again this summer we were able to assist the incoming freshman engineers with registration. This gives us an opportunity to contact them early.

We are very happy to include six new brothers into our chapter. Thomas Harold Keane II and Roswell William Nourse III were initiated in September and John Thomas Devine, Richard Edmund Dionne, Robert Killen Forde, and Richard Darrell Williams were initiated in April. They have already become an integral part of our brotherhood.

Lambda Beta Chapter is looking forward to a successful rush this fall and a productive year. Our rush plans include building a tent-foot gear and sponsoring several speakers drawn from our alumni. We plan to make this year one to remember.

NU BETA

University of Wisconsin-Platteville

Our fraternity is involved in Engineering Week, in which our chapter sponsors speakers and set-up displays. Also we are greatly involved in engineering expo, when we show high school kids around the engineering building and try to get them interested in engineering, which is usually a great success. We also participate in the homecoming games, and we light the world's largest "M" on the night of the homecoming dance.

At the present time our major concerns are finding a house to buy or rent, and making our Miners Ball the best ever because this year is the 75th anniversary of the School of Engineering at Platteville. We presently have 28 active members.

Alumni News (cont.)

"Paper-Grate is unique in two ways. First, Paper-Grate fires are lit from the top, not the bottom. Second, Paper-Grate holds the paper rolls vertically, not horizontally. Paper-Grate's fire starts slowly when lit by one match from the top. As the fire travels across and lights the tops of the eight rolls, the fire slowly descends down each roll before it gradually builds in intensity. As the fire catches the sides of the rolls it creates a draft, called the "chimney effect," which is needed for a good, warm fire. The hot surfaces reflect on each other to reinforce the heat generated in the Paper-Grate. The fire gains momentum, creates intense heat, red-hot coals, and burns the newspaper to a fine ash."

"Newspaper is made from wood but its fire is different

from a wood-log fire. Wood fires crackle because the water in the logs turns to vapor, expands, and ruptures the wood. Consequently, in Paper-Grate fires there is less danger of sparks landing on your rug. Also, a Paper-Grate fire usually burns out completely in three hours so that you can close the damper before going to bed at night. This means you'll save fuel, and your house will stay warmer during the night. As quickly and effectively as it burns out, so it can also be started quickly and easily—it requires no kindling, no lighter fluid and no gas starter."

Dr. George lives at 16 Bonita Avenue, Piedmont, California 94611, and sells Paper-Grates as a sideline to his normal career as an account executive with Bache, Halsey, Stuart, Shields, Inc.

Additions to Membership



ALPHA

- 915 Raymond Henry Blotteaux, Jr., '85, Hoffman, Est., IL
- 916 David John Chandler, '83, Lake Nebagamon, WI
- 917 John Gregory Davis, '83, New Brighton, MN
- 918 Scott Anthony Fruin, '83, New Brighton, MN
- 919 Ronald Paul Gredvig, '84, Fertile, MN
- 920 Philip J Hagen, '85, New Richland, MN
- 921 Scott Wayne Osborne, '85, Fall Creek, WI
- 922 Eric Christian Stender, '85, New Hope, MN
- 923 James Edward Thompson, '84, International Falls, MN

ZETA

- 798 Tammy Lynn Matalone, '84, Topeka, KS
- 799 Susan Elizabeth Allen, '84, Overland Park, KS
- 800 James Joseph Wehrwein, '83, Overland Park, KS
- 801 Sally Woodson Sawyer, '83, Independence, MO
- 802 Deanna Catherine Sanderson, '84, Roeland Park, KS
- 803 Eric Duane Braley, '84, DeSoto, KS
- 804 Thomas Lee Scott, '84, Leavenworth, KS
- 805 Lawrence Wayne Chaney, '83, McPherson, KS

MU

- 1127 Robert Byron Morgan, '83, Huntsville, AL
- 1128 Brian Duncan Wheeler, '83, Birmingham, AL
- 1129 Steven Charles Williams, '85, Scottsboro, AL
- 1130 Steven Walter Avery, '84, Five Points, AL
- 1131 Justin Brian Rodgers, '84, Warrior, AL
- 1132 Joseph Gerard Lasseter, '84, Altoona, AL
- 1133 Chet David LeBlanc, '84, Memphis, TN
- 1134 Michael Leonard Sparks, '85, Warrior, AL
- 1135 Ashley Briton Tarver, Jr., '85, Avinger, TX
- 1136 Gerald Allen Walker, '83, Mobile, AL
- 1137 Dennis Corey Fairchild, '83, Attalla, AL
- 1138 Jose Joaquin Matienzo, '85, Tuscaloosa, AL
- 1139 Joseph Eugene Evans, '83, Saline, MI

XI

- 470 Daniel James Breitenfeldt, '85, Antigio, WI
- 471 Carol Ann Hofer, '84, Menomonee, WI
- 472 Dean Steven Mussatti, '83, South Milwaukee, WI
- 473 Denis James Olson, '82, LaCrosse, WI

RHO

- 933 Thomas Lee Gatlin, '85, New Bern, NC
- 934 Joseph Francis Giallo II, '85, Raleigh, NC
- 935 Larry Bailey Grice, '83, Raleigh, NC
- 936 Brent Eugene Hayes, '85, Conover, NC
- 937 John Charles Linn, '85, Raleigh, NC
- 938 William Eric Peterson, '84, Hickory, NC
- 939 Jeffrey Lynn Ritchie, '85, Hickory, NC
- 940 Jamie Mark Satterwhite, '83, Louisville, NC
- 941 William Wallace Walker, '85, Summerfield, NC
- 942 Frank Burkhead Wyatt II, '84, High Point, NC

SIGMA

- 725 Jack Montgomery, Jr., '83, Cleveland, OH
- 726 Eric Hayes Pipkorn, '84, Centerville, OH
- 727 Mark Allen Campbell, '84, Barberton, OH
- 728 Benson English Lindsey, Jr., '85, Xenia, OH
- 729 Michael William Schmitt, '84, Hudson, OH
- 730 Todd Michael Lewis, '85, Bay Village, OH

TAU

- 785 Cletus Ezenwa Ezenwa, '82, Achina, Nigeria
- 786 Miguel Angel Rivera, '83, Brooklyn, NY
- 787 Laure Michele Pomianowski, '83, Terryville, CT
- 788 Eric Steven Hall, '82, Philadelphia, PA
- 789 Thomas Andrew Hoch, '83, Berwyn, PA
- 790 Anthony Maurice Hamilton, '85, Brooklyn, NY
- 791 Emerson Waldo Waldron-Ramsey II, '83, New York, NY
- 792 Daniel Patrick Collins, '85, Fayetteville, NY

UPSILON

- 893 Robert Hartzell Wham, '84, Mt. Home, AR
- 894 Thomas Richard McFerran, '84, Charleston, AR
- 895 Richard Lee Gay, '83 Westfield, NJ
- 896 Kasim Ehsan Bhally, '84, Leicester, England
- 897 Jerry Alan Caldwell, '84, Wynne, AR
- 898 James Mark Turner, '85, Beebe, AR
- 899 Robert Dean Romine, '84, Horatio, AR
- 900 Anthony Ken Patterson, '84, Blytheville, AR
- 901 Nagi Khadr, '85, Safat, Kuwait
- 902 Timothy Douglas Baumgartner, '85, Corning, AR
- 903 Walter Duane Drebenstedt, '85, Eureka Springs, AR
- 904 Anthony Robert Gaston, '83, Hot Springs, AR

PHI

- 601 Mark Howard Drajeske, '85, Munster, IN

PSI

- 629 Stephen Philip Cassel, '83, Butte, MT
- 630 David Joseph Powers, '83, Butte, MT
- 631 Robert Morton Satchwell, '83, Lucile, ID

ETA BETA

- 289 Donald Jay Athey, '83, Webster, TX
- 290 Ronald Frederick Cook, '84, Spring, TX
- 291 David Leon Jones, '84, Houston, TX

IOTA BETA

- 207 Vincent Anthony Cichosz, '85, Youngstown, NY
- 208 Mark Anthony Cuddihy, '85, Hamburg, NY
- 209 Mike F Barry, '85, Cincinnati, OH
- 210 Paul William Bridges, '85, St. Clair Shores, MI
- 211 John Davis Haunert, '85, River Rouge, MI

KAPPA BETA

- 328 Billy Clay Alexander, '85, Houston, MS
- 329 Symatha Darlene Heffner, '83, Vicksburg, MS
- 330 Markel Burnett Hudgins, '83, Jackson, MS
- 331 Kenneth Nelson Jeffries, '83, Huntsville, AL
- 332 Mark Fredric McMillan, '83, Roswell, GA
- 333 Teddie Sutton Pope, '83, Philadelphia, MS
- 334 Timothy James Savage, '82, Pascagoula, MS
- 335 Michael Eugene Sullivan, '84, Belden, MS
- 336 Terry Wayne Warren, '83, Philadelphia, MS
- 337 Ronald Luzerne Wheeler, '82, Fulton, MS
- 338 Stephen Edward Young, '85, Tupelo, MS
- 339 Samuel Cummings Black III, '86, Vinemont, AL
- 340 Ramon Lee Callahan, Jr., '85, Jackson, MS
- 341 Sandra Faye Culver, '85, Tupelo, MS
- 342 Sharon Elizabeth Guy, '85, Braxton, MS
- 343 Steven Carl Roos, '86, Kosciusko, MS
- 344 Tamsen Marie Smith, '83, Jackson, MS



In Memoriam

ALPHA

Marvin C. Barnum, '11,11/4/79
Carl Rudolph Barthelemy, '28,8/2/80
August John Bauernschmidt, '26,1/31/82
Allen B. Benick, '46,1/81
William Arthur Eckley, '30
Donald James Heng, '35
David Olaf Husby, '55,5/82
General Henry J. Matchett, '13
Edward F. Young, '26

BETA

William Alden Bennett, '36,12/8/80
Meidell H. Frimodig, '22,1976
Richard Bartlett Kropf, '30,4/19/79
Ira Pierre Nicole, '23,2/1/81

GAMMA

Thaddeus H. Andrews, '17,7/24/81
James Armstrong Appleton, '37
William L. Jude, '25,11/8/81
Lester D. Knill, '33,10/26/81
William M. Larson, '25,11/8/81
Harold E. Munn, '17,11/6/81
Clyde Edward Osborn, '23
Paul Maxwell Sheriger, '33
Melden Earl Volin, '33,7/4/81

DELTA

Calvin Byron Dalton, '44
Carl H. Ganzenmueller, '17,11/16/81
Otto Zwicker Klopach, '22,12/18/81
Jack Douglas Lubahn, '39,8/8/81
Stephen Edward Tracey, '22,7/1/81

EPSILON

James Parks Bradley, '28,11/12/81
Louis J. Brunel, '16
Raymond E. Byler, '24,5/16/82
Richard Ott Loengard, '17,4/1/78
Ralph Albert McGoey, '27,8/13/81
Ross M. Phillips, '37,4/29/81
Ferdinand C. Trescher, '20,6/29/81

ZETA

Lewis H. Brotherton, '24,9/12/81
Donald Wesley Buckley, '28,1980
Kenneth Leon Clark, '57,5/24/81
Robert Clark Davis, '71,10/81
Wilbert Arthur Franklin, '42
Frederick Godfrey Gartung, '49,1/18/82
Jacob O. Jones, Hon., '11,2/82
Wayne E. Luff, '29,7/30/82
Robert Quentin Sharpe, '24
Cyril Frank Virr, '28

ETA

Kenneth Sawyer Lord, '26,12/1/81
Arthur F. Shuey, '16,5/11/81
Vertrees Young, '16

THETA

John Babcock Kirkland, '45
Emil Stephen Schmitt, Jr., '55,11/9/81
Nelson W. Severinghaus, '25,1/13/82
Roy Udell Wood, '14
Charter Member, 12/23/79
Felix Edgar Wormser, '16

IOTA

Harold Dayne Arnold, '31,10/17/81
Matthew P. Brazill, '20,10/7/81
Ralph Andrew Mathews, '46,6/3/81
William Cowie McMillan, '48
John H. G. Reilly, '17
Robert Bruce Sherrill, Jr., '30,8/13/80
Henry E. Zoller, '23,5/13/81

KAPPA

John William Baur, '35,8/20/80
Herbert B. Dutton, '17,5/26/80
Ralph B. Johnson, '20,7/25/80
Henry W. Markward, '17,2/81
Kendall Louis Mertz, '27,2/4/82
Laurence O. Millard, '25
Charles A. Nagel, '19,1/7/81
Harold P. Owen, '18
W. Emmet Ryan, '23
Harold B. Whitney, '20,10/6/81

LAMBDA

Biard Eclare Anderson, '35,10/12/81
Glen Joseph Anderson, '69,1979
Ross Brooks Bergh, '34
Alpha Gustave Johnson, '21,5/11/80
Walter Kletting, '29,7/13/82
Maurice B. McCullough, '24
Heber S. Nelson, '19,11/25/81
Henry W. Oddie, '22,7/81
Fredrick Samuel Thomas, '30,9/22/82

MU

Frank Earl Deems, '43
John Hiller Hand, '48
Francis Joseph McCabe, '50
William Michael Murphy, '44,7/81
Peter Robert Neveras, '34,2/13/81

NU

William Martin Fencil, '25,11/5/81
Lawrence Klosson Jetter, '36
Robert B. Nation, '22,7/18/80

OMICRON

Alfred Nelson Holmberg, '43,11/24/81
Dick C. Thompson, '26,8/10/81

PI

Harry Fetzner Bauserman, '24,6/9/81
Joseph W. Cowhig, '26,12/16/81
Ernest Chilton Edwards, Jr., '40,6/23/81
Aubrey Edwin Palmer, '34,1/31/81
Philip Henry Ryan, Hon., '23,7/9/82

RHO

Henry Eli Kendall, '26,12/4/81
John Thomas Mason, '29,11/5/80
L. E. Paysour, Jr., '43,4/21/81
R. W. Underwood, '24

SIGMA

Francis Donald Dickson, '44
Russell G. Glass, '24
Charter Member, 10/19/81
Merle Sharon Klink, '26,2/25/73
Alvin McGee Mock, '28
George Egbert Rowland, '38,12/8/81
Richard Smith Snyder, '41,2/2/82

TAU

Robert Floyd, '37,6/22/81
Paul Willard Howells, '42,1981
Robert P. Wood, '46

UPSILON

Denys Osmund Akhurst, Hon., '51
James Walter Geurin, '42
Richard Duncan Hall, '42

PHI

Richard Merle Biggs, '49,5/25/81
Pete C. Breaz, '50,11/22/81
Gordon Richard Gunnup, '28
Ellsworth Ellis Keiser, '29
Thomas Orton Mayhew, '35
Elwin Wilber Minter, '34,8/27/81
James Tinsley Rayburn, Jr., '49
Lawrence Rupert Sedlar, '35
Herbert Paul Thinnies, '37
Robert J. Winner, '43

CHI

Robert James Benedict, '59
William Franklin Bodenhamer, '60,4/8/81

PSI

Marvin Emil Johnson, '48,12/10/80
Eugene Walker Lingo, '52,6/19/80

OMEGA

Carleton Brown Harris, '32
Dale Lee Kerr, '78,12/9/81
Randolph Jean Scharberg, '65,4/27/81

GAMMA BETA

Frank Harwood Bronaugh, '31

DELTA BETA

Charles William Buckman, '45,2/11/81
Woodrow W. G. Cerf, '40,10/27/81
Edwin George Edelhouser, '40
Charter Member, 2/18/81

Professional Directory



HOWARD J. BAITE & ASSOCIATES

ENGINEERS - DESIGNERS
847 EAST WASHINGTON ST.
GREENSBORO, INDIANA

STEPHEN J. BAITE, P.E., L.S.
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NATIONAL ENGINEERING FRATERNITY

CRAIG S. HUFF, P.E.
NATIONAL OFFICER

5403 N. Kenmore Road
Indianapolis, IN 46226

(317) 353-3078
(317) 545-6546

Advertise in The GEAR?

Have you noticed that the GEAR is now accepting advertisements? This is something that we have not done for several years now. In order to maintain the quality of content and the integrity of the GEAR, we have decided to limit advertising to business card ads from members only. This minimizes the disruption of our usual format. There are three objectives we wish to achieve:

- 1) To act as a means of further communication between our 14,500 members who receive the GEAR,
- 2) To defray the cost of publishing the GEAR by soliciting tax-deductible business card ads, and
- 3) To ensure that funds are available to publish the traditional two issues per year.

Financial constraints have allowed only enough capital for three issues in the next biennium. Therefore, our immediate goal is to raise \$4500 during the next two years to pay for the cost of composition, printing, and mailing the fourth issue of the biennium. Past that time, we would like to make the GEAR more self-supporting.

An offshoot of this program will be the communication of news and contacts among alumni. You will be able to find out who works in your industry, either in the same capacity, or as a vendor or a purchaser. It is gratifying to be able to assist a brother with a recommendation when all other factors are equal. To accomplish this, we need to know that the products or services provided can fulfill the needs of the project. Advertising in the GEAR is the first step towards accomplishing this.

Advertisements will be available for \$50 per business card, logo included. All printing will be black and white. Cards with photos are accepted at a higher rate. The deadline for the Spring '83 issue is March 1, 1983. If you wish to participate in this campaign, or need further information, write to Arthur Petrzela, 1715 S. Fourth St., Marshalltown, IA 50158. Your help in making this advertising campaign a success will be greatly appreciated.

In H & T,
Randall J. Scheetz, O '79
Advertising Manager

AWARDS

Erich J. Schrader Award.....	Kappa Beta
Founders' Award.....	Alpha
Outstanding Delegate.....	John C. Roberts, AB '84
Best Display.....	Alpha
Newsletter Competition	
First Place.....	Upsilon
Second Place.....	Zeta
Third Place.....	Kappa Beta
Photograph Competition	
First Place.....	Kappa Beta
Second Place.....	Rho
Third Place.....	Sigma

ELECTIONS

Grand Regent.....	A. Thomas Brown, M '77
Grand Vice Regent.....	John W. Catledge, KB '75
Grand Scribe.....	Robert E. Pope, Z '52
Grand Treasurer.....	Donald H. Slavik, E '78
Grand Marshal.....	Craig S. Huff, AB '76
Grand Inner Guard.....	Timothy A. Sandoval, X '79
Grand Outer Guard.....	Randall J. Scheetz, O '79
Student Member.....	Bradd D. McCaslin, X '83



Chapter Directory

*Alpha: **C	515 Tenth Avenue, S.E. Minneapolis, MN 55414	*Chi: W	1614 East Speedway Boulevard Tucson, AZ 85719
*Beta: C	Box 77, Route #1 Houghton, MI 49931	Psi: W	c/o Prof. Charles Herndon Montana College of Mineral Science & Technology Butte, MT 59701
Gamma: W	Box 57, Colorado School of Mines Golden, CO 80401	*Omega: W	109 Kansas City Street Rapid City, SD 57701
Delta: E	Fribley Commons 2345 Murray Hill Cleveland, OH 44106	*Epsilon Beta: E	478 West Alexandrine Detroit, MI 48201
*Zeta: C	1935 Heatherwood Lawrence, KS 66044	*Eta Beta: S	7487 Sante Fe Street Houston, TX 77061
*Mu: S	P.O. Drawer AM University, AL 35486 (#10 Bryce Lawn Tuscaloosa, AL 35401)	*Iota Beta: E	4026 West McNichols Road Detroit, MI 48221
*Xi: C	1633 Monroe Street Madison, WI 53711	*Kappa Beta: S	P.O. Box 2983 Mississippi State, MS 39762 (56 South Park Estates Starkville, MS 39759)
Omicron: C	3115 Engineering Building University of Iowa Iowa City, IA 52242	*Lambda Beta: S	513 North Walnut Avenue Cookeville, TN 38501
Rho: S	Box 5325, State College Station Raleigh, NC 27650	*Mu Beta: E	1210 West McClellan Flint, MI 48504
*Sigma: E	1946 Indianola Avenue Columbus, OH 43201	Nu Beta: C	Ottensman Hall Engineering Dept. University of Wisconsin-Platteville Platteville, WI 53818
*Tau: E	1105 Harrison Street Syracuse, NY 13210	Iowa State University Colony C	114 Marston Hall Iowa State University Ames, Iowa 50011
*Upsilon: S	1322 West Cleveland Fayetteville, AR 72701		
*Phi: E	416 N. Chauncey, West Lafayette, IN 47906		

* Chapter House

** Each chapter's Region is denoted under its name, thus: C, Central; E, Eastern; S, Southern; and W, Western.

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