

# **Journal of Tau Alpha Pi**

Volume XIV, 1990

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# **Journal of Tau Alpha Pi**

Executive Director  
Editor

Frederick J. Berger

Tau Alpha Pi Journal is the official publication of Tau Alpha Pi, National Honor Society of Engineering Technologies. Write Professor Frederick J. Berger (Executive Director), Editor, P.O. Box 266, Riverdale, New York 10471. The opinions expressed are those of contributors and do not necessarily reflect those of the editorial staff of Tau Alpha Pi.

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## **STATEMENT FROM THE**

## EXECUTIVE DIRECTOR~SECRETARY

The 1990 Tau Alpha Pi *Journal* contains articles of interest, chapter news, and a directory of active chapters. We ask chapters to forward news of their initiations, names of officers, and a summary of activities to be included in this annual publication. Items of news and articles should reach me no later than June 1. Pictures should be clear, and the members in the picture should be positioned so as to be identified. All correspondence should be sent to me at P.O. Box 266, Riverdale, New York 10471. I may be reached by phone at 212-884-4162.

As I mention correspondence, I am reminded to ask all chapters to mail their requests for certificates and keys at least three weeks in advance of initiation dates in order to allow for preparation and mailing. The addresses and phone numbers of initiates also should be forwarded. You will notice that the keys are now key-pins. We are doing this in response to suggestions that a pin is practical for both ladies and gentlemen. Incidentally, the Tau Alpha Pi pendant is available to all members who wish to purchase it.

At the risk of being repetitive, I wish to indicate that Tau Alpha Pi is the national honor society for engineering technologies, as Tau Beta Pi is for engineering science, and Phi Beta Kappa for liberal arts. Tau Alpha Pi may admit to membership the highest 4% of an institution's total engineering-technology enrollment in a given term. Tau Alpha Pi differs from the other two national honor societies in that it is not centralized and is open to both associate-degree and baccalaureate candidates. All three honor societies aim to promote and recognize excellence in scholarship, character, and leadership qualities. I should once again emphasize that Tau Alpha Pi is not a club. Although chapters are autonomous, their policies and activities must be consistent with the letter and spirit of the umbrella constitution, and initiations must adhere to official procedures. Hazing, for example, is not permitted. Fund-raising and other projects must be worthy of an honor society, and the monies raised must be for the chapter or for a worthy cause sponsored by the chapter.

One Tau Alpha project that is emerging on campuses is the construction of the key-monument, which is an exact enlargement of the one-inch key presented to each initiate. In connection with this, I acknowledge and thank Dr. Mulchand Rathod (Wayne State) for the pattern, and Dean Fred Emshousen (Purdue, West Lafayette) for the print. To be certain that we maintain uniformity and accuracy, I ask chapters planning the preparation of a key or plaque to obtain my approval of their specifications. My review and approval deal only with the dimensions and faithfulness of reproduction. Since



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chapters are autonomous, neither Tau Alpha Pi nor I as the executive director can be responsible for the choice of materials, workmanship, or safety factors in the preparation and erection of the key-monument or plaque.

Faculty advisers play a major role in the guidance of their chapters. In time, changes in assignment occur, and some advisers leave. To those who served well and during this past year left, I want to say thanks and offer my best wishes: Dr. Samuel Steinman and Professor Ben Zeines (Beta Lambda), Professors Richard Culver and Frank M. Cardullo (Beta Pi), Professors M. Janet Wymyslo and Paul

R. Costanzo (Gamma Zeta), Dr. Paul L. Ryan and Professor David O. Kubly (Delta Epsilon), Professors Terence Freeman, Carl H. Dietz, and Vincent J. Cavanaugh (Epsilon Beta), Professor Ronald C. Pare (Zeta Alpha), Professor Robert G. Balla (Iota Beta, Wilkes Bane Campus), Dr. Aijun B. Markhijani (Kappa Alpha), Professor Edmund L. Sobolewski (Lambda Delta), Professors David Smith and Thomas K. Prendergast (Xi Gamma), Dr. William Stack (Omicron Alpha), Professor Gerald Lewis (Omicron Beta), Professor R. Eugene Nix (Pi Alpha), Professor William L. Seibert (Pi Beta), Dr. Clarence M. Head and Professor Thomas E. Wells (Sigma Beta), Professor Joseph Moose (Chi Alpha), Professors Robert L. Douglass, Margaret Sentif, and Leon E. Drovin (Psi Alpha), Dr. Jan R. Sonner (Psi Delta), Professors Louis Kleine and Myron E. Cherry and Dr. Quentin C. Ford (Omega Alpha), Professors William Clarke, Paul D. Nunn, and Joel A. Cotton (Beta Alabama), Professor Reuben Salters (Alpha Delaware), Dr. John C. Lindholm (Alpha Kansas), Dr. Manjit Singh, Professors Godson O. Chukwuma, John R. Rachal, Sitangshu Dhar, John G. Hanks, and Alex Bartus (Gamma Louisiana), Dr. Vincent R. Canino and Professor Thomas W. Davis (Alpha Wisconsin). We note with sorrow the untimely passing of Professors Pepe Rodriguez (Alpha Wisconsin) and Michael Aurigemma (Iota Beta, York Campus).

To those advisers who have recently assumed their responsibility, I want to say welcome and best wishes: Professor Seyed Ali Hosseini (Alpha Zeta), Professor Robert W. Svarrer (Beta Lambda), Professor Fred Sutton, Mr. Hou Cheng, and Mr. Richard Anthony (Gamma Epsilon), Professor Jennifer J. Streeter (Gamma Zeta), Professor Roy Dalsheim (Delta Beta), Professors Linda Miller and Steve Eber (Epsilon Beta), Professor Thomas Matthews (Zeta Alpha), Dr. Stanley G. Ebner and Professor Harry Franz (Zeta Zeta), Professor Robert Faux (Iota Beta, Wilkes-Bane Campus), Professors Patricia M. Buske-Zainal and Scott A. Moser (Kappa Alpha), Professor Kenneth A. Stibolt (Kappa Beta), Professor Charles Hendrickson (Kappa Gamma), Professor William E. Chamberlain (Lambda Beta), Dr. Amir H. Moghadam (Xi Beta), Dr. Gabriella Sechi (Xi Gamma), Professor Joseph Kopf (Omicron Alpha), Professor William Roettger (Omicron Beta), Professor Parthy Iyengar (Omicron Zeta), Professors Robert Larimore and **Vernon S. Hillsman**, (Pi Alpha), Professors Gerard Foster and Calvin Kunkle (Pi Theta), Professor David Cummings (Rho Gamma), Professors Ali Shaykhian and Newton Gregg (Sigma Beta, Brevard Campus), Professor Bill Holmes (Phi Alpha), Professor Rudolph J. Keicher (Chi Alpha), Professor N. Patrick Riddle (Psi Delta), Dr. Donald A. Cain (Alpha Arkansas), Professor Chester Shiffer (Alpha Delaware), 1990

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Professor John William Ray, Jr. (Alpha Louisiana), Professor Wanda McFarland (Gamma Louisiana), Professor Harvey Hoy (Alpha Wisconsin), Professors Edward L. Bernstein and Eugene Black (Beta Alabama), Professor Patricia A. Kosmyno (Beta Michigan).

To those advisers who have served Tau Alpha Pi and continue to do so, I say thanks and best wishes in your ongoing endeavors.

To Dr. Lillian Gottesman I want to say thanks for helping with the *Journal*. During the 1989-1990 year, several chapters were chartered. I attended the chartering ceremonies of Alpha Zeta at Savannah Tech on October 19, 1989, and of Alpha Arkansas at Arkansas State University, Beebe, on May 24, 1989. At both events I delivered the keynote address. Conflicts in schedule prevented me from attending the others, but I was ably represented. I want to thank President G. William Troxler and Vice-President Earl E. Gottesman (Kappa Alpha) for representing me at the chartering of Kappa Gamma (Prince George's Community College) on April 19, 1990; Dr. William Byers (Sigma Beta) for sponsoring Sigma Beta at Brevard Campus and representing me at the ceremonies on December 8, 1989; and Dean Fred Emshousen (Pi Alpha) for doing the honors at the Pi Theta chartering (Purdue, Kokomo) on February 17, 1990.

Often I am invited to functions other than Tau Alpha Pi ceremonies. I was pleased to be present at the inaugurations

of President John A. Cuny (Northeastern University, Boston) on December 1, 1989, and President Steven Altman (University of Central Florida) on April 27, 1990. I could not, unfortunately, attend the inauguration of President James H. Woodward (University of North Carolina, Charlotte), and I thank Professor Catherine Ferman (Eta Beta) for representing me.

In the career of an educator there are those special communications from students and faculty that are high points. From the officers of Beta Epsilon (Hudson Valley) came the following reinforcement of my own thought: "Academic Vice President Lianne Sacket and Dr. Charles F. Zipprich, Dean, expressed their satisfaction and belief that Tau Alpha Pi enhances the program at the college." Dean John P. Mattei (Xi Beta, Northrop University) recalled his student days of hard work and study and noted: "...so you can see the invitation to become a part of the engineering honor

Left to Right: Myron J. Young (Vice President), James D. Webb (Secretary/Treasurer), Jason W. Hamilton (President), Gloria Geary, Dr. Fredend Berger (Executive Director-Secretary), Dr. Billy Hair (College President), and Se-ed A. Hosseini (Adviser).



society is really something very special to me." Frequently, letters make reference to my role as the executive director. Dean Emeritus Ernie Wiedhouse (Penn State) wrote: "I must tell you how amazed I am that you continue single handedly to provide such remarkable service to the engineering technology profession." And President Billy Hair (Savannah Tech) thanked me for conducting the initiation of Alpha Zeta and remarked: "I was particularly impressed with your experience, intelligence and sincerity."

In keeping with my purpose to pay tribute to outstanding achievement, the ASEE and its Technology Division established the Frederick J. Berger Meritorious Award, which I endowed, to honor "both programmatic and individual excellence in engineering technology education." The award will be "presented to both the engineering technology school or department and to the primary implementing individual that have demonstrated outstanding leadership in curriculum, scholarly contributions, innovative techniques, or administration in engineering technology education." This annual award consists of \$1000 (\$500 to the individual and \$500 to the department) and a bronze medallion with representations of your executive director and of the Tau Alpha Pi logo inscribed. (See "The Frederick J. Berger Award for Excellence in Engineering Technology Programs.") The award will be presented beginning in 1991 by your executive director or designee at the ASEE annual meeting. My thanks go to Presidents Cheshier and Tilmans for bringing this award to fruition.

To two faculty members who have given many years of outstanding service to Tau Alpha Pi I was privileged to

present the Tau Alpha Pi Meritorious Award: Professor Jan R. Sonner of Pellissippi State, on September 25, 1989; Dr. James L. Mc Graw of the University of Dayton, on July 31, 1990.

Recently, I was, in turn, the recipient of a rare honor. In recognizing that my "commitment and dedication to the engineering technology community ...are exemplary" and that "Tau Alpha Pi is what it is today because of Fred's constant efforts" (President Anthony L. Tilmans, Kansas College of Technology), the ASEE bestowed upon me Fellow Grade status. I was and am deeply moved.

If we had to use just one word in association with Tau Alpha Pi, the one word would be honor. It is an honor society, and it honors deserving students. Why do we give awards? We do, said the German mathematician Dr. Karl Gustav Jacobi, "to honor the human spirit." We in Tau Alpha Pi shall continue to strive for and honor excellence.

Frederick J. Berger, D.Sc.  
Executive Director

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## **ENGINEERING TECHNOLOGY EDUCATION: YOUR FUTURE ... YOUR COUNTRY'S FUTURE**

The verdict has been delivered. At the turn of the millennium America will be supported by a service based economy. We will not need that manufacturing sector anymore. Besides that, the restoration of peace in the world means the defense budget is going to shrink and the number of technicians, engineers, and technologists needed to keep America healthy will decline.

This verdict is routinely delivered by uniformed people and echoed in the media. Without evidence, without debate, without consideration, too many have written off the American engineering effort. Those of us who are members of Tau Alpha Pi have an obligation to attack this unfounded conclusion and set the record straight at every opportunity. Here is a primer to help in that effort.

As soon as someone suggests that America does not need so many technically educated people, you will know that the speaker needs a lesson in basic economics. That lesson teaches how a country creates wealth. It goes like this. Country A manufactures something and sells it to country B. Country B trades capital for goods. Country A increases its capital, and it creates wealth. Which group of citizens provides the manufacturing capacity of a country? Technologists are the intellectual resource on which a modern country establishes or loses its wealth.

The current picture of the supply of technologists is none too rosy. That is good news for technology students now in college. The law of supply and demand will force salaries up and increase the number of opportunities. For those in the work force, it means greater opportunities for professional growth and career enhancement. For those with the entrepreneurial spirit, it means unequalled room in the market place.

Five trends underpin this view of the American economy: the changing list of "hot prospect" jobs during the 1990's, the shift in American demography, the decline in the number of people prepared for college, the changing composition of the entering civilian work force, and the dramatic decline in engineering enrollments. The media have covered in great detail the change in American demography and the decline in the academic preparation of college freshmen. Little has been written on the other trends in this list. A close look at the numbers of "hot jobs" in the nineties, the decline of engineering enrollments, and the composition of the entering work force provides ample ammunition against any argument that America does need technologists.

In the fall of 1990 the United States Department of Labor, Bureau of Labor Statistics (BLS), issued its latest report on jobs for the 1990's. The top five jobs, as measured by need for workers, are:

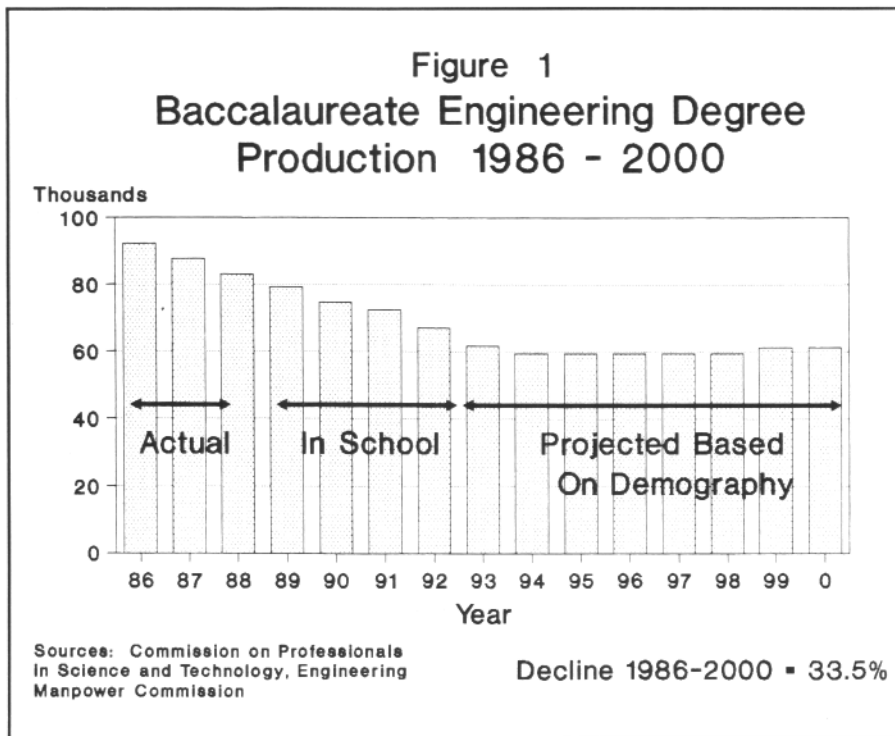
- 1) Retail sales clerk (1.2 million new jobs)
- 2) Registered nurses (612,000 new jobs)
- 3) Waiter and waitress (725,000 new jobs)

- 4) Janitors and cleaners (604,000 new jobs)
- 5) General managers/top executives (582,000 new jobs)

Only one category of engineering makes it into the top thirty. Electrical engineering will create 192,000 new jobs in the decade of the nineties. The number of new electrical engineering jobs just squeezes out the 191,000 of new lawyers expected in the nineties.

These numbers can be deceptive. The BLS numbers account for new jobs created. They do not report on anticipated attrition in the existing work force. Demand for new workers is the sum of new openings and openings caused by attrition in the field. Here is where the engineering work force is in trouble.

Educators can estimate the size of graduating classes with excellent accuracy for up to six years in the future. From known demographic data and student choice data, the engineering graduating classes can be extrapolated with some certainty. Figure 1 shows a history and projection of engineering baccalaureate degrees produced in the United States. The message is clear. The number of bachelor degrees produced in engineering technology and engineering will decline by 28.5% between 1986 and 1995. This decline will intensify demand for new graduates. Since demand is the sum of new jobs created plus attrition in existing jobs, the dramatic decline of new entries into the work force means that demand is going to skyrocket.



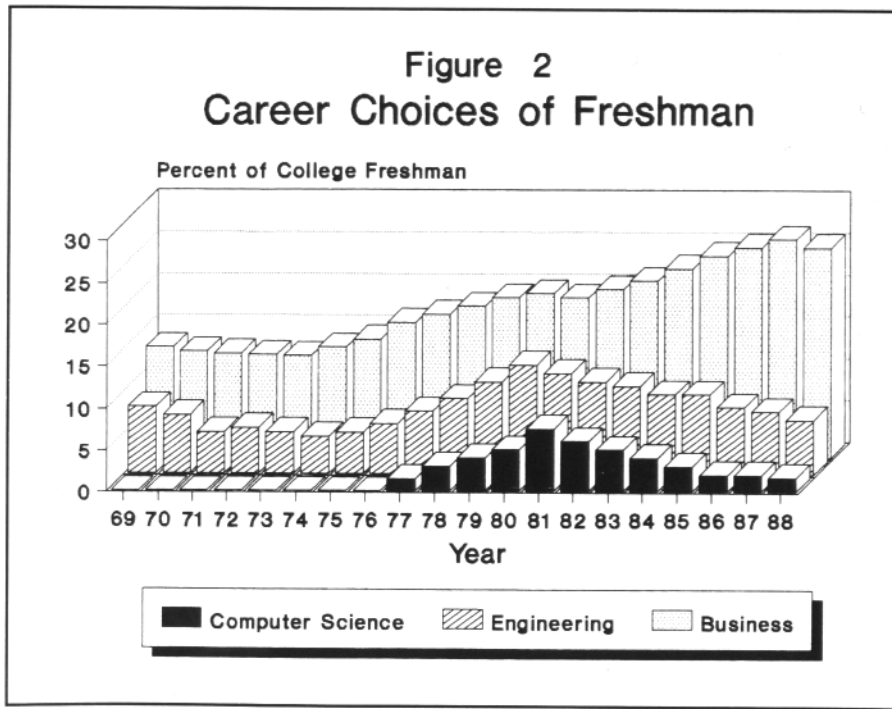
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What happened to cause the downturn in engineering technology and engineering graduates? That is a hard question to answer, but a look at student choice of major helps to explain the situation. Figure 2 shows how student choice has varied over the last twenty years. The trend is up for business majors and down for engineering majors. In fact, today one out of every four college students majors in business. One out of every thirteen majors in engineering technology or engineering.

Another factor in the supply of technical talent is that historically technology has been the province of white males. In the most recent year for which statistics are available, the data describing technical enrollments showed relatively little participation by women and minorities. Women represent 15%, Blacks represent 3%, and Hispanics represent 2% of the undergraduate enrollment in engineering and technology. After years of special programs, financial aid, and much public discussion, white males still represent 69% of the enrollment in engineering and technology.

This demographic breakdown is particularly troubling because between 1980 and 2020 the American population will increase by 11% while the percentage of minorities within the population will double. It is elementary reasoning to state that unless women and minorities double, and perhaps for some subgroups, quadruple their enrollment rate in technical disciplines, America cannot hope to fill all the technical jobs in this next decade.



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The outlook for the American engineering enterprise in the nineties is not rosy. Greater expectations, fewer resources, fewer educated people, and intense international competition will be the hallmarks of the decade.

The outlook for individual technologists, however, is extremely bright. The odds are that the shortage of technologists will significantly drive up demand. It means more work than workers can handle and competition among corporations such as has never been seen before. For individual technologists it means careers marked by high pay, choices of the kind of work, choices of where to live, mobility previously unknown, and opportunities for management and entrepreneurial activities—which could not be dreamed of only five years ago. You the student should stay with your engineering-technology education, earn your degree, and encourage others to do the same. Remember your engineering-technology education is for our country's future and for yours too.

G. Williams Troxler, Ph.D. President, Capitol College

## Request for Articles

The publication committee of Tau Alpha Pi is interested in receiving articles on engineering technology for possible publication in the Tau Alpha Pi *Journal*. Individuals who have articles or ideas on engineering technology which they feel would be of interest to other engineering technology educators and students should send two copies of their work to:

**Professor Frederick J. Berger, Editor, Tau Alpha Pi Journal, P.O. Box 266, Riverdale, New York 10471.**

Papers on new and innovative programs. the employment picture. utilization of technology graduates. instructional innovations, and book reviews will be given priority.

Please pass this request to other colleagues at your campus so that they too may participate in furthering the professional status of the engineering technology students and the profession.

Parts of the *Journal* will be going to the printer during the first week of April. We need the articles and your news to ensure that your chapter(s) activities will be included and given national recognition when the *Journal* is published.

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## **LONG-TERM SUCCESS OF BACCALAUREATE DEGREE GRADUATES IN ENGINEERING TECHNOLOGY**

Programs leading to the baccalaureate degree in engineering technology have been generating graduates for about twenty-five years. Universities offering such programs as early as the 1960's include the University of Houston, Brigham Young University, the University of Dayton, and Purdue University. But not all current programs have such long history. According to the 1989 document "Accredited Programs Leading to Degrees in Engineering Technology," published by the Accreditation Board for Engineering and Technology (ABET), there are now 108 institutions having ABET accredited baccalaureate programs.<sup>1</sup> Included in this count is each campus of multi-campus institutions such as DeVry Technical Institute and the State University of New York. The name of the degree earned varies somewhat, e.g., Bachelor of Technology (BT), Bachelor of Engineering Technology (BET), and Bachelor of Science in Engineering Technology (BSET). This article will refer to such programs as BSET programs.

Faculty and staff of institutions offering the BSET are able to provide information about the starting salaries of their graduates. The salaries are 'very good and competitive with those of baccalaureate graduates in any field. But information about long-term success of graduates is difficult to acquire because many schools do not have internal data for many years. It would be valuable to have data on salaries earned by BSET graduates over a number of years since receiving the BSET degree to show professional progress. This information would help prospective students and their parents to evaluate the long-term career potential for BSET graduates. It would be of interest also to associate-degree students who consider transfer to a baccalaureate program, to colleagues in engineering technology education and in other academic programs, to university administrators, and to employers.

Significant numbers of BSET graduates have twenty to twenty-five years of experience, and they have been able to show maturity in their careers. Most are in their forties although many who entered their programs with industrial experience or military service are somewhat older. It is helpful to look at how BSET graduates have progressed professionally since graduation.

This article presents summary data for graduates from BSET programs at the University of Dayton from 1967 through 1987. The graph that follows shows the reported average salary through the years since graduation. The data represent 916 total responses from graduates of six programs at Dayton:

electronic engineering technology, mechanical engineering technology, industrial

<sup>1</sup>Ed. note: Of the 108 institutions with BSET programs, about 85 have Tau Alpha Pi chapters. These are listed in the section entitled "Collegiate Chapters of Tau Alpha Pi."

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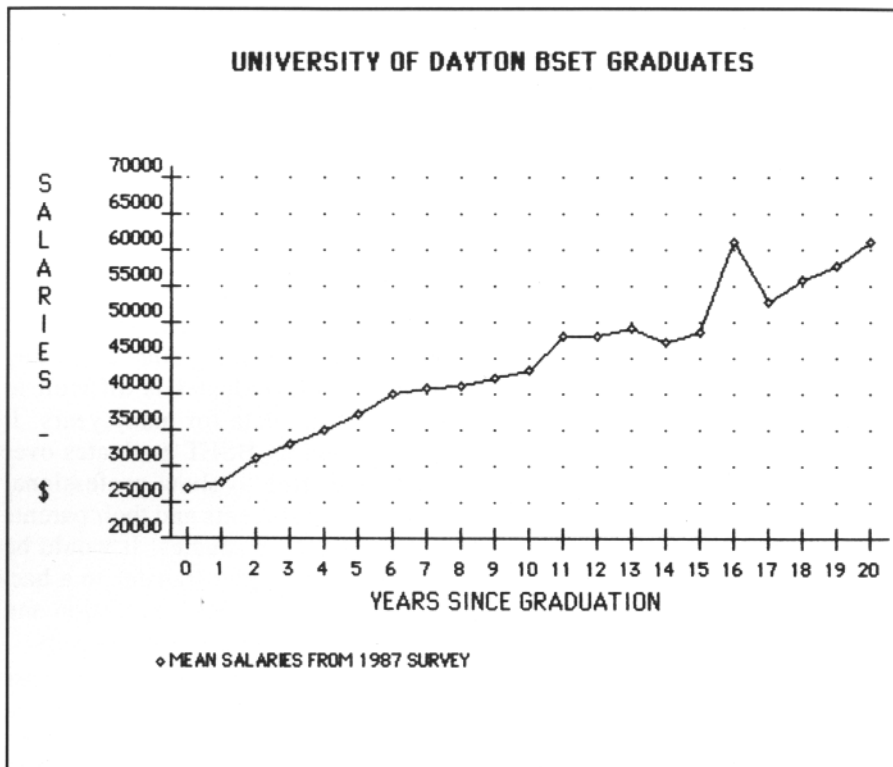
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engineering technology, chemical process technology, environmental engineering technology, and bioengineering technology. The average number of responses is about forty-four per graduation year, and the range is from twenty-five to sixty-four responses for any given year.

Salaries alone are not sufficient to measure success in a professional career. Although we cannot in the scope of this article report all the details of our study, it is clear that these graduates are progressing well in responsibility and position within their organizations. They are advancing to management positions in design, manufacturing, technical marketing, quality management, and other noteworthy paths.

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Mean salaries reported for BSET graduates versus years since graduation.

Mean salaries reported for BSET graduates versus years since graduation.

Robert L. Mott  
 Associate Dean of Engineering  
 for Engineering Technology  
 University of Dayton

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## A FASCINATING STORY: THE HISTORY OF THE LOCK AND KEY

In a large modern hotel where I was staying to attend the conference of the American Association for Engineering Education, my room "key" was a plastic card narrower than a credit card with no number and nothing embossed. I had to push it into a slot below the door knob and then pull it out and turn the knob. The door opened!

Do you remember those hotel and motel keys with a card attached telling us that if we forgot to return the key, to please drop it into any mailbox? Have you seen old paintings where St. Peter is holding the key to heaven, a foot-long iron slab with a ring at one end and two teeth protruding at the other? These large keys were in fashion from the tenth century until the beginning of this century. Yet there was a time when there were no keys and no locks thousands of years ago when cities flourished in Babylon. Then, too, there were rich people and thieves. Armed guards were needed to watch storages and houses.

A description of the oldest known doorlock consisting of a bolt, key, and keyhole dates from about 1200 B.C. Homer describes it in the *Iliad*. People bolted their doors from the inside even in ancient times, but a device to lock a room from the outside and open it again had to be invented. According to Homer's description, inside the door a bolt rested horizontally on a flat plank. At one end a thin rope was fastened. The end of the rope protruded to the outside through a hole. When the rope was pulled, the bolt slid on the plank and came to rest after going through a frame-like opening fastened to the wall. To open the lock a V-formed branch of a tree was used. One side of the V was cut short.

By inserting this branch into the hole, one could push the bolt in the opposite way. In another Greek work, a drama by Aristophanes in the fifth century B.C., women complain that the master of the house obtained a locking device with which he locked the pantry. Thus, they could not nibble on the food.

Of course, other people, not only the Greeks, created the doorlock which could be opened from the outside. In Switzerland bronze doorlocks were found which even had a spring. The Celts, also, made locks in about 800 B.C. The metal locking device on the outside of doors having a key a few inches long was a Roman invention in about the second century B.C., and from that device developed the modern lock and key. The iron St. Peter's key in paintings is the enlarged version of the Roman invention.

In the twentieth century electricity made possible modern door-locking mechanisms, such as the buzzer in apartment houses, the remote control garage door-opener, and the plastic card.

This short account of doorlocks and keys is a little segment of a long story. Let us think for a minute about the hundreds of implements and tools that we use daily. Their origin may go back centuries. Their refined design and capabilities, however, are due to technological advancements.

Ervin Bonkalo, Ph.D., Cultural Historian  
Sudbury, Ontario, Canada

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## **THE FREDERICK J. BERGER AWARD FOR EXCELLENCE IN ENGINEERING TECHNOLOGY PROGRAMS**

### **THE AWARD:**

The purpose of the Frederick J. Berger Award is to recognize and encourage both programmatic and individual excellence in engineering technology education. It is presented to both the engineering technology school or department, and to the primary implementing individual that have demonstrated outstanding leadership in curriculum, scholarly contributions, innovative techniques, or administration in engineering technology education.

Established in 1990, the award to the individual consists of \$500 and a bronze medallion, with representations of Professor Berger and of the Tau Alpha Pi logo inscribed. The academic department recognized receives \$500 and an inscribed plaque.

The award is presented at the ASEE annual meeting during the annual banquet.

### **BENEFACTOR:**

Dr. Frederick J. Berger has been acclaimed for his many noteworthy contributions as an engineering technology educator. These include his service for many years at City University of New York (CUNY) as a professor, department chairman, engineering science coordinator, and the founder of (and faculty adviser to) the Tau Alpha Pi and IEEE chapters of the institution. His accomplishments also include his active participation for many years in professional societies such as ASEE, of which he is a Fellow Member, and ABET. While a professor, he inspired and guided students to become scholastic achievers and~ successful professionals. He fostered character and leadership qualities.

Dr. Berger built Tau Alpha Pi and directed it to national prominence as the professional honor society for the engineering technologies. During his tenure as the Executive Director-Secretary, the Society has grown to have active chapters in almost all institutions with TAC/ABET accredited programs. He founded the Tau Alpha Pi annual *Journal* and has been its editor.

In recognition of his significant contributions, Dr. Berger was awarded forty citations and honors nationally. In essence, the recipient of the Berger Award shall have evidenced the educational ideals and philosophy of Dr. Berger and of Tau Alpha Pi.

It is through Dr. Berger's generosity that this award is endowed.

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### **QUALIFYING CRITERIA for the AWARD:**

An individual must have made a significant impact on a qualifying engineering technology school or program by demonstrating one or more of the following criteria. The award jointly recognizes the individual and the activity, the individual and the program, the individual and the department, or the individual and the institution.

1. Exemplary and discernible contributions to engineering technology education, and advancement of the professional status of engineering technology graduates.

2. Outstanding curricular development, evidence of superior subject matter competence by students, course development and updating, and academic advisement of students.

3. Scholarly contributions including improvement of engineering technology education through authoring textbooks, syllabi, computer applications; active memberships in professional societies, and participation in professional development activities.

4. Innovative techniques involving excellence in teaching and the ability to guide students to scholastic achievement, character growth, and leadership potential. Innovative techniques involving laboratory updating, equipment acquisition and utilization, teaching models and aids, and the integration of lab exercises with lecture presentations.

5. Administrative support for course development, placement assistance, acquiring quality buildings and facilities, linking with industry, and selecting, retaining, and developing outstanding faculty.

A qualifying institution must be an ASEE Technical College Member, and must have at least one associate or baccalaureate level program accredited by TAC/ABET. A qualifying department must be housed within a qualifying institution.

The institution shall also have an active Tau Alpha Pi chapter on campus.

#### **NOMINATIONS:**

Nominations should be made by an ASEE member (typically the program director, an engineering technology faculty member, or the ETC institutional representative) on behalf of an engineering technology school or department in fulfillment of the qualifying criteria. Since it is the intent of the award to recognize the implementing individual, as well as the qualifying activities, a vita (maximum two pages) for the person most associated with the activity must be included in the nomination packet. Attendance by the recipient at the Society's annual awards banquet is required. The nomination is to be signed by the dean (or the top administrator supervising the engineering technology program) and the president of the institution, indicating that they not only endorse the appropriateness of the recognition, but that they also will financially support the attendance of the recipient at the banquet.

No individual or department shall receive the award more than once, and no institution shall receive two awards within any five-year period. An individual or department may be renominated. A nomination may be reactivated for up to two additional years after the submission year upon written request from the appropriate official of the institution in which the department is housed or where the nominee was employed during the activities recognized by the award.

#### **FORWARDING:**

One original and seven copies of the complete nomination should be forwarded to the ASEE headquarters by the published deadline in the calendar year of the award. The nomination shall not exceed six pages excluding the vita. Additional supporting materials will not be considered by the selection committee.

#### **SELECTION COMMITTEE:**

The President of ASEE shall appoint a seven-person Berger Award Selection Committee composed of the current and most immediate past chairs of the Engineering Technology Division (ETD) and the Engineering Technology Council (ETC) of ASEE (as of January 1 of the award year). The most senior immediate past chair shall be that year's committee chairperson. Three full-time engineering technology faculty members (with greater than a 50% annual teaching load) nominated by the ETC institutional representatives and selected each year by the ETC at the Annual ASEE meeting shall complete the composition of the committee.

Submitted by:  
Stephen R. Cheshier, President  
Southern College of Technology  
and 1990-92 ETC Chair

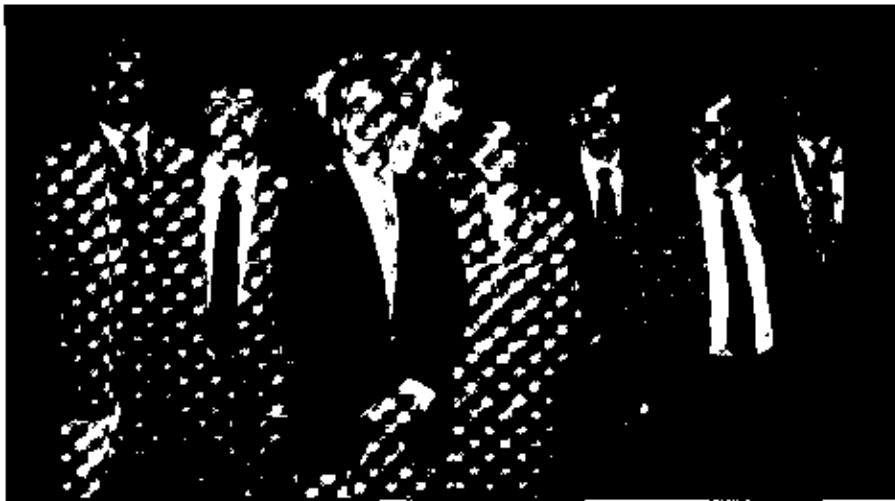
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## CHAPTER NEWS

**ALPHA ALPHA** (Southern College of Technology): Alpha Alpha held initiations and banquets in March, 1989, in May, 1989, and in December, 1989. At the May banquet the guest speaker was Mr. Arthur Vedges, Department Head of the Fiber Optic Laboratory at Bell Labs (AT&T). Officers: Carol Dawson (President); Gregory Sandels (Vice-President); David Fasciano (Secretary); Timothy Briesch (Treasurer).



Left to right, front row: William Brewer, Chris Rodgers, Carol Dawson, Bob Bartlett. Back row: Tim Briesch, Greg Sandels, Prof. Paul Wojnowiak (Adviser), Dave Fasciano.

**ALPHA BETA** (DeVry Institute of Technology, Atlanta): The chapter held its initiation and formal banquet on February 11, 1990. One activity in which members competed for a cash prize was a stair-climbing contest that required machines to navigate a set of angled stairs in the commons area of the school. Another activity was the calling at bingo at Americana Healthcare, a facility for the elderly. In addition, members have continued to participate in orientation of new students. A new competitive activity will be a creative writing contest to encourage technical students to write. The winner will receive \$100 and have his paper published in the DeVry *Technical Magazine*. Also to be initiated shortly is a Tau Alpha Pi newsletter that will be sent to present and graduated members. Alpha Beta will continue to emphasize that Tau Alpha Pi members must set moral and educational standards so that all students can aspire to better themselves.

Officers: Mitchell K. Shiver (President); Rita Crane (Vice-President); Gary Gallimore (Secretary-Treasurer); Harry Moore (Sergeant-at-Arms).

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**Tau Alpha Pi**

1990

### ALPHA BETA

**ALPHA DELTA** (Savannah State College): Chapter members have been serving as tutors in their respective disciplines and assisting in recruiting activities. The chapter will play an integral role in the celebration of the college's centennial which will begin in August, 1990 and continue through the academic year.

Officers: David Bell (President); Victorine McDonald (Vice-President); Joel Heidbreder (Secretary); Bart H. Sapp

(Treasurer).

**ALPHA ZETA** (Savannah Tech): The chapter held its chartering ceremony and dinner on October 19, 1989. In addition to the students who were invited, Dr. Billy B. Hair (President, Savannah Tech), Dr. William P. Briley (Dean), and Professor Seyed A. Hosseini (Adviser) were accorded adviser membership. The main activity of the chapter is to assist in recruiting students for the engineering-technology program. Members plan to work with faculty, advisory committees, and industry to promote the program at Savannah Tech. Since the October ceremony was the first for Alpha Zeta, Executive Director Frederick J. Berger attended, delivered the keynote address, and guided in the initiation ceremony. Officers: Jason W. Hamilton (President); Myron J. Young (Vice-President); James D. Webb (Secretary-Treasurer).

Left to right, front row: Mitchell K. Shiver, Kevin Valentino, Sharon Giles, Sean Yap Maxwell, Jack M. Graham, Jr. Second row: Jeff Brown, Allen Reeves, Chesterfield Janes III, Michael Deleon, Gary Gallimore. Third row: Frederick Sherman, Jason Edwards, Charlie Biggs, James Ronca, Clarence Rothrock, Harry Moore.



1990

### Tau Alpha Pi

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### ALPHA ZETA

**BETA GAMMA** (Queensborough Community College, CUNY): The chapter held its initiation ceremony and dinner reception on May 17, 1990. The chairman of the Physics department, Dr. Engleberg, delivered the address on “Advancements in Technology Since the Beginning of the 20th Century.” Dr. Engleberg spoke also of “the importance of tutoring.” In his speech he stressed that “in order to be part of a society which gives something back to its society, one must continue to learn and become a tutor for life.” During the semester new members provided fifteen hours of free tutoring. The chapter also sponsored a trip to the Brookhaven Laboratory in Long Island. Officers: Lawrence Ang (President); Gary Maurasse (Vice-President); Guy Torio (Secretary); Dhviref Patel (Treasurer).

Left to right, front row: Professor Seyed Hosseini (Adviser); Jason W. Hamilton, Dr. Billy Hair (College President); Gloria Geary, Executive Director Frederick J. Berger, James Patti, James D.

Webb, Myron J. Young. Back row: Ali Dehbozorgi, Herbert Katamba, Don Drury, Steve Snooks.

Left to right, seated: Professor Brigitte Mueller, Lawrence Ang, Gary Maurasse, Professor Engleberg. Standing: Tsui Kwong Wai, Wu Jun Jie, Dhviref Patel, Jill Delfavero, Rajendra Ramsarran, Guy Torio, Ayub Wasif, Yateen Dhareshwar, Rosario Karloff, Chihab Taindi.



**BETA EPSILON** (Hudson Valley Community College): The chapter held initiation ceremonies on April 3, 1989. Members provide tutoring on a scheduled basis to help freshmen in mathematics and physics. Both Dr. Linanne Sackett, Vice-President of Academic Affairs, and Dr. Charles F. Zipprick, Dean of Engineering, expressed their belief that Tau Alpha Pi enhances the program at the college. Officers: Guy Hildreth (President); Alice Platt (Vice-President); Linda J. Briel (Secretary-Treasurer).

## L

Left to right: Guy Hildreth, Alice Platt, Linda Briel.

**BETA ZETA** (College of Staten Island): The chapter conducted initiation ceremonies in December, 1989, and in May, 1990. Its activities during the academic year consisted of two field trips to industrial plants and sixteen meetings that included talks by seven speakers from industry. Officers (1989-1990): E. Posner (President), J. Filloramo (Vice-President); C. Mister (Secretary), E. Sohn (Treasurer). Officers (1990-1991): Jared Scheer (President), Joseph Filloramo (Vice-President), Ahmad Zeidan (Secretary), Mary C. Burke (Treasurer).

**BETA IOTA** (Rochester Institute of Technology): The chapter held induction ceremonies on May 2, 1990. Officers (1989-1990): David Lesniak (President); Mike La Grega (Secretary-Treasurer).

Left to right, front row: David Ristau, Robert O'Connell, Kenneth Ogden, Michael McLaughlin. Back row: James Liotta, Robert Emens, Mike La Grega, David Lesniak, Prof. Louis Gennaro (Adviser and honorary member), Gerald Bruno, Bryan Dixon.



1990

### Tau Alpha Pi

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**BETA KAPPA** (SUNY Institute of Technology, Utica-Rome): On December 5, 1989 the chapter held its induction ceremony and banquet. Efforts to increase the visibility of Tau Alpha Pi with the key monument are under way. Officers: Daniel Snook (President); Robert Bernhardt (Vice-President); Charles Kraemer (Secretary).

**BETA MU** (SUNY College of Technology, Canton): Initiations were held on March 14, 1989 and on April 3, 1990. Officers: Michael De Gaetano (President); Roland Ryan (Secretary-Treasurer).

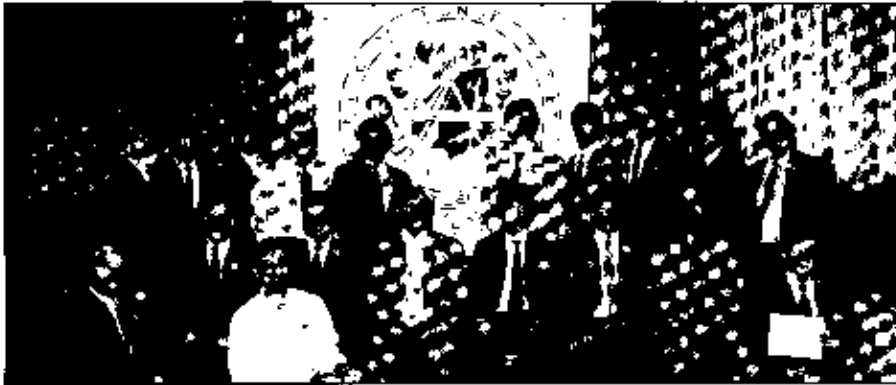
**BETA NU** (New York Institute of Technology): The chapter held its initiation and reception on April 28, 1990. The certificates and keys were distributed by Professor Gleimer of the Engineering Technology department. Dr. Edward Altchek, adviser, assisted. Congratulatory messages were expressed by Dr. Thomas Burke, Senior Vice-President of Student Services; Dr. Melvyn Drossman, Dean of Engineering and Technology; Dr. Altchek, faculty adviser; and Professor Gleimer. Officers: Jon Meinhold (President); Roy Johanson (Vice-President); Robert Adonailo (Secretary); Atul Sakaria (Treasurer).

Left to right, front row: Daniel Snook, Christopher Jones, Karl Conniff, Jr. Back row: Dr. Louis Galbiati, Jr., Adviser (far left), Steven Wightman, Paul Rutherford, James Strong.

Left to right, kneeling: John

~,eated: Li **Romano**, James

Hopper, Bruce Rsgano, Bonsoo Koo, Aham Vmueza, John Donahue. Standing: Dr. Melvyn Drossman (Dean), Yasser Karim, Thomas Milente, Robert Lorizzo, Mul Sakaiia, Roy Johanson, James Sullisan, James Leibungut, Chris Locosare, Dr. Edward Aitchek (Adviser).



Meinhold, Kenneth Mintz, Robert Adena, [unclear], [unclear]

**Tau Alpha Pi**

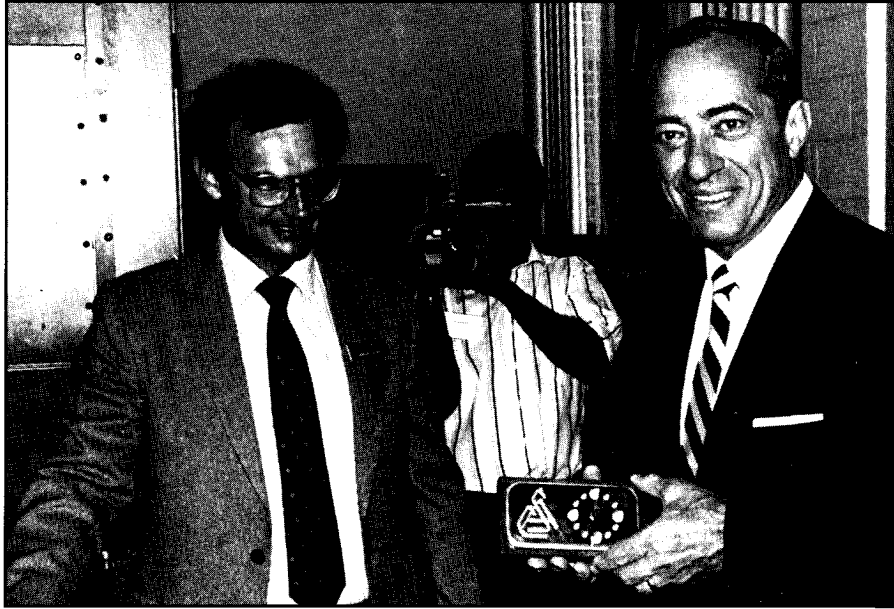
**BETA XI** (SUNY College of Technology, Alfred, N.Y.): The chapter held induction ceremonies and dinners on December 7, 1989 and in April. Members participated in a technical conference in February and a technical seminar in March, 1990. Two speakers addressed the group in December: President John Kash of Dresser-Rand, Wellsville, N.Y., and President William Bradford of Dresser Corp., Corning, N.Y. The technical seminar featured Mr. Richard Palermo, Vice-President of Xerox Corp., who spoke on xerox quality. A high point in the activities of Beta XI was the visit by Governor Cuomo. The picture below shows Governor Cuomo with Professor Wisner, a Tau Alpha Pi alumni member and member of the Mechanical Engineering Technology department, who gave the Governor a tour of the CIM facilities at Alfred. Officers:

Alan A. Scanandoim (President); Jeffrey A. Klajbor (Vice-President); Albert D. Neveu (Secretary); Robert J. Karinchak (Treasurer).

**GAMMA ALPHA** (Ohio College of Applied Science, Cincinnati): The chapter held initiations on May 5, 1989 and on April 26, 1990. The 1989 Academic Achievement Award was presented on April 26, 1989 to Professor Laura M. Caldwell of the Mechanical Engineering department for her outstanding teaching. The 1990 Award was presented to Professor Muthar Al-Ubaidi for his outstanding teaching. The tutorial service has continued, each member donating two hours. Future plans include raising funds to erect a Tau Alpha Pi key-monument on the new campus to which the college moved. Officers (1989): Jennifer Kegg (President); Mark Chollett (Vice-President); Matt Scheid (Secretary). Officers (1990): Brian Fabo (President); Becky G. Toms (Vice-President); Steve Mongeau (Secretary).

Governor Cuorno (right), escorted by Professor Wisner.





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**Tau Alpha Pi**

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**GAMMA ALPHA**

**GAMMA BETA** (University of Dayton): The chapter held its annual initiation and banquet on April 7, 1990. Among the initiates were Professors George Coures and Joseph Untener, who were awarded honorary membership. Certificates of Merit were presented to Shirley Favors and Arlene Camacho. Announcements were made concerning the Robert L. Mott and L. Duke Golden awards. Dean James L. McGraw was the guest speaker. Officers (1989-1990): Kevin Moeder (President); Charles Cardone (Vice-President); Monica Pepiot (Secretary); Stephen Adams (Treasurer). Officers (1990-1991): Robert Braman (President); Carl Fernyak (Vice-President); Angela Storm (Secretary); Carol Wielke (Treasurer).

**GAMMA EPSILON** (De Vry Institute of Technology, Columbus): The chapter held a party to initiate new members. The guest speaker was Mr. George A. Ardolino, Director of Sales, ITT Power Systems, who spoke about industrial experiences. To promote the visibility of Tau Alpha Pi, the chapter ordered T-shirts with the insignia. Future plans call for introducing students early in their college careers to the importance of Tau Alpha Pi, as well as fund-raising and tours of AT&T Bell Labs and Hewlett Packard. Professional speakers, plaques, and the usual initiation party are also on the agenda. Officers (1989): Marilyn Bogdanski (President); Scott Millheim (Vice-President); Steve Eakin (Treasurer). Following the initiation and banquet in May, 1990, new officers were elected: William H. Lussier (President); Darcy Slatzer (Vice-President); Marvin Vandercook (Secretary); Robert Balzer (Treasurer).

**GAMMA ZETA** (Owens Technical College, Toledo): The chapter held induction ceremonies on May 25, 1989, and on April 27, 1990. The members are developing a Tau Alpha Pi plaque for the new Engineering Technology building and also a board containing members' names that will be displayed in the atrium of the building. Officers (1989-1990): David G. Cook (President); Judy K. Kachmarik (Vice-President); Mary Ann Ferrara (Secretary); Ralph R. Campbell (Treasurer); Gregory E. Piskula (Public Relations). Officers (1990-1991):

Roger P. Crouse (President); Anita Lynn Reynolds (Vice-President); Thomas J. Bourgeois (Secretary); Davis Suter (Treasurer); Goeffley Rich (Public Relations).

Left to right, front row: Bill Cusack, Robert Furter, Lara Hugenburg, Chris Snider, Harry Weitkamp. Second row: Rob Buerger, Jim Dickman, Paul Jett, Steve Mongeau, Tom Story, Brad Wilt. Third row: Doug Moore, Becky Toms.



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### Tau Alpha Pi

1990

#### GAMMA ZETA

**GAMMA THETA** (University of Toledo): The chapter held its initiation on December 3, 1989. Among their activities, members act as judges for the best senior project awards. The winners have their projects displayed at the annual Technorama Day in February, and the general public can view projects and research of engineering students. The chapter plans to have the Tau Alpha Pi key-monument in place at the new engineering building in 1991. Officers (1990- 1991): Kerry L. Rottenstein (President); Jeff J. Morman (Vice-President); Richard D. Schneider (Secretary-Treasurer); David I. Kinsel (Escort).

Left to right: Prof. Paul T. Svatik (Adviser), Gregory E. Piskula, Mary Ann Ferrara, Prof. Jennifer J. Streeter (Adviser), David G. Cook, Judy Kachmarik, Daniel H. Brown (College President).

Left to right: Jeff J. Morman, Richard D. Schneider, David I. Kinsel, Bruce E. Fournier, Kerry L. Rottenstein, Gary S. Slandzicki, Amy L. Deason, Jeffrey J. Brown, Terry J. Kalb, Martin E. Romer, John J. Schuchmann, Jr.





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### Tau Alpha Pi

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**GAMMA UPSILON** (Cuyahoga Community College): On June 3, 1989 the chapter held its initiation and dinner. The guest speaker was Dr. Nolen Ellison, president of the college. On May 19, 1989 the chapter participated in the campus annual cultural fair and distributed information about Tau Alpha Pi and its eligibility requirements. In the future the chapter hopes to become more involved in the community by reaching out to high-school students. Fund raising is also planned. Perhaps members can assist companies, and the fees would be contributed to the chapter.

Officers: Robert M. Miller (President); Leo F. Zembrycki, Jr. (Vice-President); Robert A. Kobylinski (Secretary-Treasurer).

**DELTA DELTA** (Southeastern Massachusetts University): The chapter held initiation ceremonies on April 25, 1990. Plans call for obtaining a banner bearing the insignia and having a glass case to hold the original charter and other Tau Alpha Pi memorabilia. Also on the agenda is a search for qualified alumni who may be offered alumni membership. Officers (1989-1990): James M. Zeiba (President); Carlos Casanova (Vice-President); Brian Krafton (Secretary); Alan Davis (Treasurer); Officers (1990-1991): Paul Reh (President); Anthony Leotta (Vice-President); John Bernardes (Secretary).

Left to right, first row: Louis N. Goldstein, Robert A. Kobylinski, Robert M. Miller, Leo F. Zembrycki, Ralph C. Tyler. Second row: Prof. James R. Drake (Adviser), Walter D. Sobera, Mark D. Ilko, Sami A. Dib, Eric W. Sockel, Alan Kane, Prof. Kathy Hathaway (Adviser). Third row: Dr. Nolan M. Ellison (CCC President), Dr. Ronald R. Zambetti (CCC Vice-President), Dr. Lorin V. Waitkus (Dean, Engineering Technology), Michael J. Berry, Paul A. Deunk, James P. Ries, Eric D. Swanson.



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## Tau Alpha Pi

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**EPSILON ALPHA** (De Vry Institute, Kansas City): The chapter held its initiation on May 25, 1990. Among its activities were fund-raisers in the form of food sales. On May 17, 1990 the chapter hosted a guest speaker. Officers (1989-1990): Jerry A. Mork (President); David Lundquist (Vice-President); Nate W. Johnson (Secretary); Jeffrey Ousley (Treasurer). Officers (1990-1991): Jeff Ousley (President); Ross Thomas (Vice-President); Nate W. Johnson (Secretary); Brian Wright (Treasurer).

**ZETA ALPHA** (University of Houston): The chapter held its initiation and reception on May 15, 1990. Members continue to participate in the annual Technology Day, an event designed to acquaint local industry with the technology programs of the college. They also are active in Honors Week, a campus-wide series of events that promote academic excellence. The chapter welcomes its new faculty adviser Professor Thomas Matthews of the Electronics Technology department. Officers: Roberto Jamora Del Cruz (President); Luan Chi Nguyen (Vice-President); Bethany Lear Sprinkle (Secretary-Treasurer).

**ZETA GAMJvIA** (Texas A and M): The chapter held initiations and banquets on April 20, 1989 and on March 22, 1990. Dr. John A. Weese, Head of Engineering Technology and honorary member, was the guest speaker in 1989. The chapter is completing work on the replica of the Tau Alpha Pi key which will be mounted on a granite monument and placed in front of the Technology building, hopefully in the summer of 1990. To expedite this project, the chapter is engaged in fund-raising activities. Officers (1989): Doug Schmidt (President); Manish Aggarwal (Vice-President and Treasurer); Dianne Balcerak (Secretary). Officers (1990): Doug Schmidt (President); Pierce Primm (Vice-President); Diane Balcerak (Secretary); Keith Jones (Treasurer).

## DELTA DELTA

### I

Left to right, front row: Kenneth Mathis, Gary Maus, Keith Boulds, Antonio Castro, Prof. David J. Creamer. Second row: Prof. Alden W. Counsell, Carlos A. Casanosa, Richard S. Rosa, Prof. Tridib K. Roy, James Lusignan, Alan Davis, James M. Zeiba. Third row: Dr. William Wild, Dean L. Bryce Andersen, Dr. Ronald DiPippo, Prof. Richard Walder, Prof. Robert C. Helgeland. Last row: Prof. Antonio H. Costa, Prof. Lester W. Cory, Prof. Lenine Consalves, Brian Krafton.



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## Tau Alpha Pi

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**ZETA DELTA** (Texas Tech): The chapter held an initiation on March 14, 1989 and, more recently, on April 19, 1990. Members participate in at least one of the following activities: (1) recruitment of students, (2) teacher evaluation surveys, (3) fund raising, (4) outstanding instructor award, (5) mounting of the Tau Alpha Pi emblem in the department office. Plans call for additional recruiting of high-school students for the technology programs. Officers (1989): Jason Tunnell (President); Mark Bouchard (Vice-President); Michelle Roderick (Secretary-Treasurer). Officers (1990): Michelle Roderick (President); Jayson Gilliam (Vice-President); Patrick O'Harer (Secretary-Treasurer).

**ETA BETA** (University of North Carolina): The chapter held initiations and banquets on December 9, 1988 and on April 28, 1989. Among its ongoing activities are the tutoring service to help students in calculus, and the disk sales to raise funds for the chapter. Officers: Laura L. Mull (President); Wesley A. Cribb (Vice-President); David M. Blackwell (Secretary); Mark Andrews (Treasurer).

**IOTA BETA (Penn State, Behrend Campus)**: The chapter is developing a questionnaire to be sent to local industries regarding Behrend's engineering-technology program and summer internships. Also in progress is the organizing of a Tau Alpha Pi alumni group. Interest was expressed in having an annual Tau Alpha Pi regional or statewide gathering. Officers: Martin Jackson (President); Jason Samler (Vice-President); Vincent Serginsies (Secretary); Melissa Paulock (Treasurer); Mike Camut (Student Adviser).

**IOTA BETA (Penn State University, New Kensington)**: Members assisted as tutors and attended lectures on current issues in engineering. Future activities call for the dedication of the Tau Alpha Pi key-monument, field trips, and a fund-raiser. Officers:

David Shedlock (President); Jay B. Smith (Vice-President); Frank Opice (Secretary); Lynn E. Donahey (Treasurer).

First row: Prof. Cathey Ferman (Adviser). Left to right, second row: Merritt Whisnart, Muhammed A. Saleh, Randal Hunsicker, Laura L. Mull, Wesley A. Cribb. Third row: David M. Blackswll, Kris McCarn, Mark Andrews, Michael G. Brown, Tracy Parrot.



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**Tau Alpha Pi**

1990

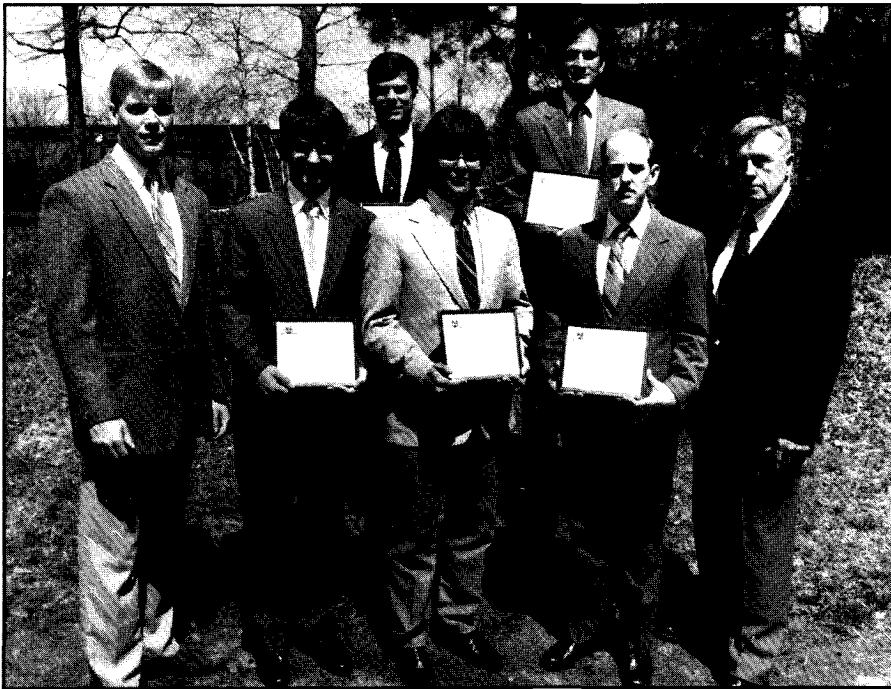
### **IOTA BETA**

**IOTA BETA (Penn State, Wilkes Barre Campus)**: The chapter held its initiation in April, 1989. Plans call for inviting guest speakers and promoting the visibility of Tau Alpha Pi. Officers: R. G. Balla (President); R. Faux (Vice-President).

Left to right, front row: Prof. Joan Begolly (Adviser); Thomas McCormick, Mark Anthony, Lynn Donahey, Jay B. Smith, Frank Opice.

Back row: David Ignaczak, Scott Quinell, David Shedlock, Robert Reed, Diane Truffa.

Left to right, first row: Prof. Robert Balla (Adviser); Matthew Eichhorn, Brian J. Lewis, Scott A. Pearson, Prof. Robert Balla. Second row: Kenneth Thompson, Christopher Trusky.



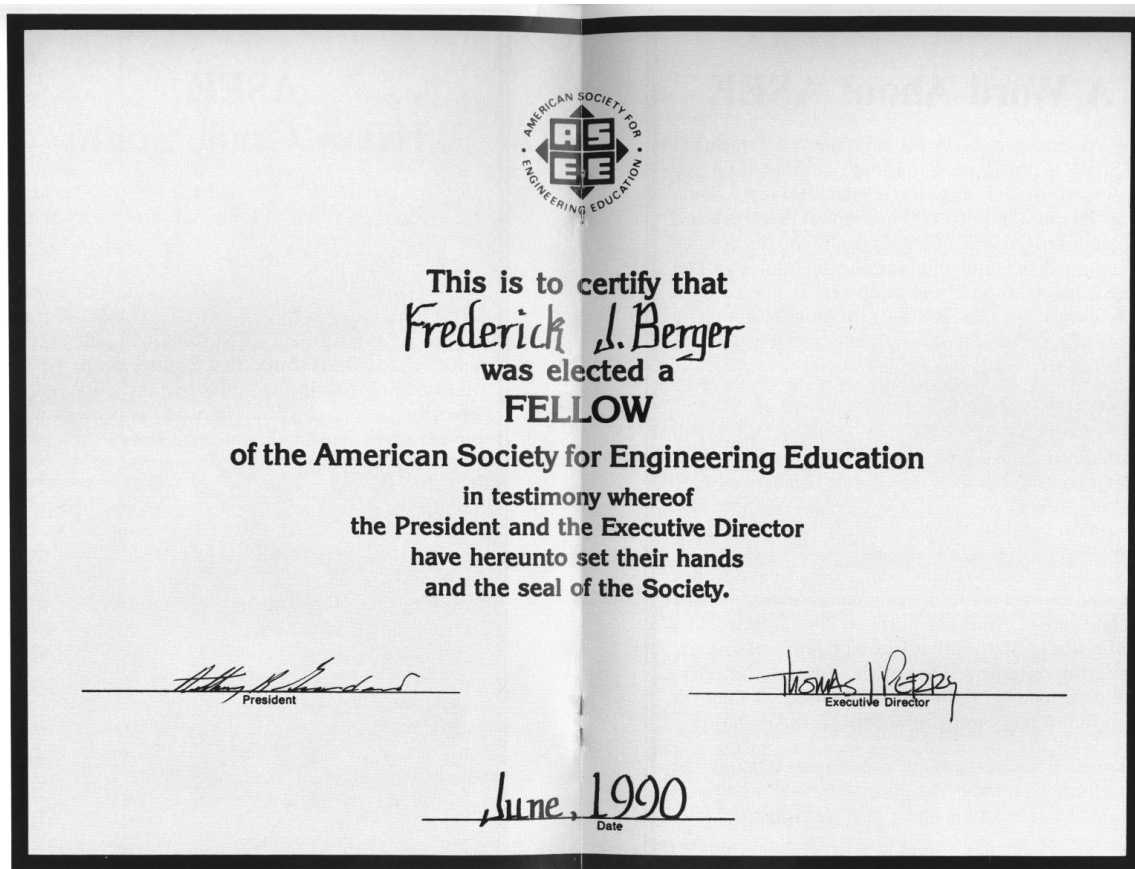
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## ASEE Fellow Grade Status

In 1982 the ASEE instituted the Fellow Grade of Membership. The ASEE Constitution permits the Board of Directors each year to advance to this distinguished membership no more than one tenth of one percent of the total individual membership. The requirements of Fellow Grade membership are rigorous: extraordinary qualifications and experience, particularly important contributions to the field of engineering technology, and outstanding contributions to ASEE. There are at present only seventy-five Fellow Grade members.

The Fellow Grade is a special and prestigious recognition bestowed upon an

educator. In 1990 Executive Director Frederick J. Berger was named as Fellow Grade member. During the annual banquet on June 27, 1990, the president of ASEE Dr. Anthony B. Giordano commented on Professor Berger's qualifications, his commitment and dedication to engineering and engineering-technology, his tireless efforts in behalf of Tau Alpha Pi, and his noteworthy service to ASEE. Dr. Giordano presented the certificate of Fellow Status membership and in so doing, extended to Professor Berger the highest recognition of ASEE.



## A Word About ASEE

The American Society for Engineering Education (ASEE) is the largest national organization for engineering and engineering-technology education. Its more than 10,000 individual members and 450 institutional members represent the disciplines in engineering and engineering-technology. The ASEE meets annually in June and is hosted by a university. The ASEE holds its annual four-day conference in

different locations across the country so as to provide fair accessibility to the membership.

The ASEE was established in 1893 as the Society for Promotion of Engineering Education. At its 1946 conference, the organization changed its name to American Society for Engineering Education.

One purpose of the ASEE is to bring together educators to share and exchange information and methodology and to implement programs to advance the education of our future engineers and engineering technologists. Another purpose is to improve the professional status of all components of the engineering enterprise. Seminars, formal and informal discussions, and papers delivered set the tone of the conference and promote useful articulation.

The ASEE encourages and recognizes outstanding contributions through the presentations of its several awards to individuals and educational institutions.

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#### **Tau Alpha Pi**

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**KAPPA ALPHA** (Capitol College): The chapter held initiations on March 23 and April 27, 1990. Officers: Cheri Spencer (President); Darrell Hale (Vice-President); Joan L. King (Secretary-Treasurer).

**KAPPA BETA** (Anne Arundel Community College): The chapter sponsored activities during Engineering Week that included an Egg Drop, Bridge Building, and Space Tower Building Contest. It sponsored also two lectures, one on the Hubble Space Telescope, and the other on Bio-Technology. Plans are in progress for even greater involvement during Engineers Week next year and for a banquet in 1992 to celebrate the chapter's tenth anniversary. Officers: Katherine L. Sikorski (President); Donald E. Baus (Vice-President); Steven T. Tadlock (Secretary-Treasurer).

**KAPPA GAMMA** (Prince George's Community College, Maryland): The chapter's chartering ceremonies were held on April 19, 1990. Dr. William Troxier, President of Capitol College, and Dr. Earl Gottsman, Vice-President at Capitol College, represented Executive Director Frederick J. Berger. Dr. Troxler presented the charter to Dr. Dennis S. Barlow, Dean of Instruction at Prince George's, and delivered the address that challenged the students to achieve and maintain technical and professional excellence. In attendance, also, were William Lauffer, E.E.T. department chair; and Charles Hendrickson, Kappa Gamma faculty adviser. The chapter plans to establish and maintain a technical library within the Electronics Engineering Technology department and to establish liaison with other local Tau Alpha Pi chapters. Officers: Jeffrey P. Franco (President); Lyndon G. Augustine (Vice-President); Michael T. McMain (Secretary); Scott T. Corridon (Treasurer).

Left to right, seated: Donald E. Baus, Katherine L. Sikorski, Charles M. Clark, Maria M.

Campbell, Professor Charles G. Miller. Standing: Professor Will Mumford (Adviser), Diane Huber,  
Jonathan M. Oliver, Donald L. David, Abdolreza Darvish, Olaf H. Rask, Diane E. Dray, Charles

E Ross, James R. Knight.





**KAPPA GAMMA**

**LAMBDA BETA** (Thames Valley Technical College): The chapter held its initiation ceremonies on May 4, 1990. **Members continue to** participate in community activities. They are planning to display the Tau Alpha Pi emblem in order to make the chapter more visible. Officers: Maureen A. Sylvestre-Craig (President); Steven M. Kane (Vice-President); Laurie E. Allen (Secretary).

**Left to right, front row:** Bob Ban!, Jeffrey Franco, Scott Corridon, Lyndon G. Angustine, Prof. Charles Hendrickson. **Middle row:** Lonnie Allison, Tilmothy Billheimer, Michael T. McCain. **Back row:** William Protzman, Dr. William 11~oxler, Dr. Earl Gottsman, Gerald Law, William Lauffer, Dean Dennis Bartow.  
**Left to right:** Steven M. Kane, Maureen A. Sylvestre-Craig, Laurie E. Allen.





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### Tau Alpha Pi

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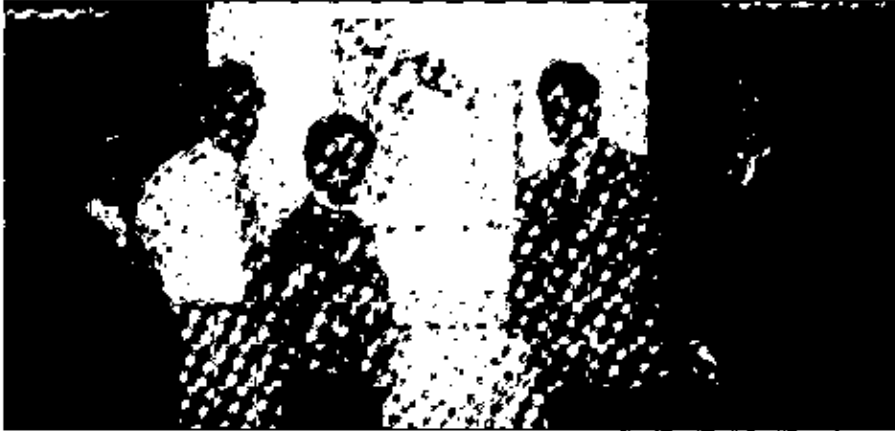
**LAMBDA DELTA** (Greater New Haven State Technical College): The chapter held initiation ceremonies in the spring of 1989 and on April 27, 1990. A dinner for members and their guests followed each initiation. The chapter will continue its involvement in various college activities. The chapter noted the retirement of Dean Edmund L. Sobolewski, who, in addition to having been dean, served for many years as an adviser to Lambda Delta. Two Tau Alpha Pi awards for excellence, given to the graduates with the highest averages in the associate-degree program, were awarded to James Humphrey and Paul Stigliano. Officers (1989): Seth Sheades (President); Gary Zielanski (Vice-President); Jeffrey Bucher (Secretary); June Poulton (Treasurer). Officers (1990): Gregory Price (President); Albert Nadeau (Vice-President); Ralston Brown (Secretary); Richard Shaw (Treasurer).

**LAMBDA EPSILON** (University of Hartford): The chapter held initiation and reception for new members on Friday, April 28, 1989. Everitt K. Smith, Dean of SI. Ward College of Technology of the University of Hartford, delivered the keynote address. This year's honorary recipient was Joseph Linehan, Chairman of the Ward College of Technology Industrial Advisory Board. Officers: Lawrence Girani (President); Robert Franzen (Vice-President); Scott Petersen (Secretary); Anthony Salvati (Treasurer).

**NU BETA** (Southern Illinois University, Carbondale): The chapter held its initiation on November 2, 1989 and on April 18, 1990 and a spring picnic. Members raised funds by selling electronic components and plotter pens. Nu Beta had the second highest total of money pledged for the scholarship. Members participated in college service projects. They assisted in the organization and administration of Engineers' Week activities and ran a "Quick Fingers" calculator contest. They helped build an alumni data base. They participated in the Campus Blood Drive. Plans were made and an account opened to accumulate funds with which to purchase a gift for the Department of Technology and to construct the key-monument. Officers (1989): Christopher Gaertner (President); Kurt Meckfessel (Vice-President); Keith Jones (Secretary); John Simpkins (Treasurer). Officers (1990): James Rataczak (President); Robert Strauch (Vice-President); David Gustafson (Secretary); John Jansen (Treasurer).

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Left to right: Professor Thomas Gendrachi (Adviser), Robert Franzen, Anthony Salvati, Scott Petersen, Lawrence Girard.



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### Tau Alpha Pi

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#### NU BETA

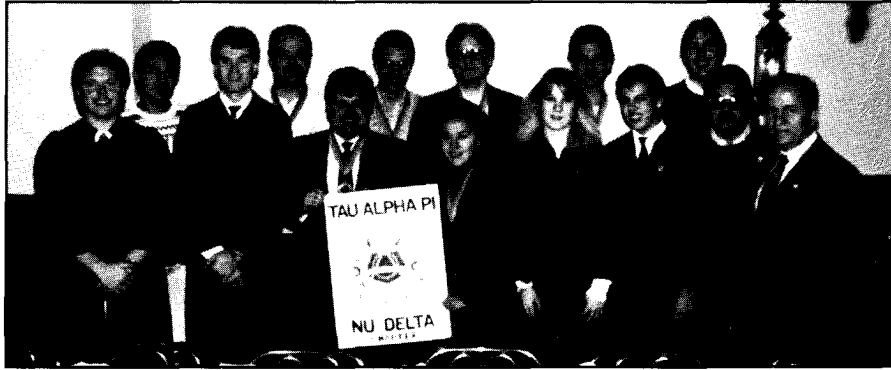
**NU GAMMA** (De Vry Institute, Lombard, Ill.): The chapter held its initiation on December 11, 1989. Members have continued their participation in fund raisers and in graduation ceremonies. The chapter is at present introducing some organizational changes to effect smoother functioning and transitions from one set of officers to another. One change will include the establishment of an executive council to assist new officers and maintain continuity. Officers: Richard E. Weil (President); Jeffrey Andresen (Vice-President); John Bopp (Secretary); George Levelle (Treasurer).

**NU DELTA** (DeVry Institute, Chicago): The chapter held its initiation and banquet on February 17, 1990. Plans are being finalized for tours to Bell Labs and Hewlett Packard. The chapter is proud to announce that its vice-president Jason La Cost was hired on a part-time basis at Hewlett Packard. Officers: Melissa Brown (President); Jason La Cost (Vice-President); Timothy Gonnam and Edward Grygowski (Secretaries); Volkmar Schmidts (Treasurer); Joe Ho (Sargeant-at-Arms); Ishou Younan (Public Relations Coordinator).

Left to right, front row: Timothy Gonnam, Volkmar Schmidts, Fawzi Saad, Dora Arroyo, Melissa Brown, Jason LaCost, Jose Barillas, Dr. Dimitrios Kyriazopoulos (Adviser). Back row: John Delgado, Howard Costello, Carey Tanner, Erick Roeska, Alan A. Ptkrant, Garry Gardner.



Left to right: Dave Gustafson, James Rataczak, Robert Strauch, John Jansen.



1990

**Tau Alpha Pi**

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**XI EPSILON** (De Vry Institute, City of Industry, California): The chapter held initiation ceremonies on May 9, 1990. During the year, members raised \$1788 to benefit the homeless. On Easter a few members helped feed over 5,000 homeless people. In addition, the chapter is heading a "Save the Earth" campaign, in which all De Vry faculty and students will get involved in recycling paper. Officers (1989): Chang-Kuo Tai (President); Michael Velasco (Vice-President); Mitchell Peterson (Secretary); Jeffrey Garcia (Treasurer).

**OMICRON BETA** (Union County College): During the Engineers' Week open house, members served as hosts and manned an information table. They also took a trip to the Museum of Natural History in New York. The chapter held an annual induction breakfast in honor of new members on April 26, 1990. Officers: John Kidd (President); Joseph Paternoster (Vice-President); Michele Buchala (Secretary); Sean Parker (Treasurer).

**PI BETA** (Purdue, Indianapolis): The chapter held its initiation ceremony and banquet on March 28, 1990. The Rev. Donald Romsa spoke on "Engineering Ethics." Future plans include trips to local industries. Officers (1989- 1990): Roger Carlson (President); Wade Orr (Vice-President); Tracy Lynn Rowley (Secretary). Officers (1990-1991): Tracy Rowley (President); James B. Ridenour (Vice-President); Shelley R. Muskat (Secretary).

Left to right, front row: Donald McCormick, Suzie Kotani, Mike Ayoubi, Stanley Chew, Jose Fong, Allen Davis, Anthony Villena, Mark Wrobel. Back row: Chang.Kuo Tai, Aurelio Rios, Mitchell Peterson, Michael Velasco. Jerome Morris, Jeffrey Garcia, Raul Tjoa.

Left to right: Roger Carlson, James B. Ridenour, Shelley R. Muskat, Tracy Rowley, Wade Orr.



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**Tau Alpha Pi**

1990

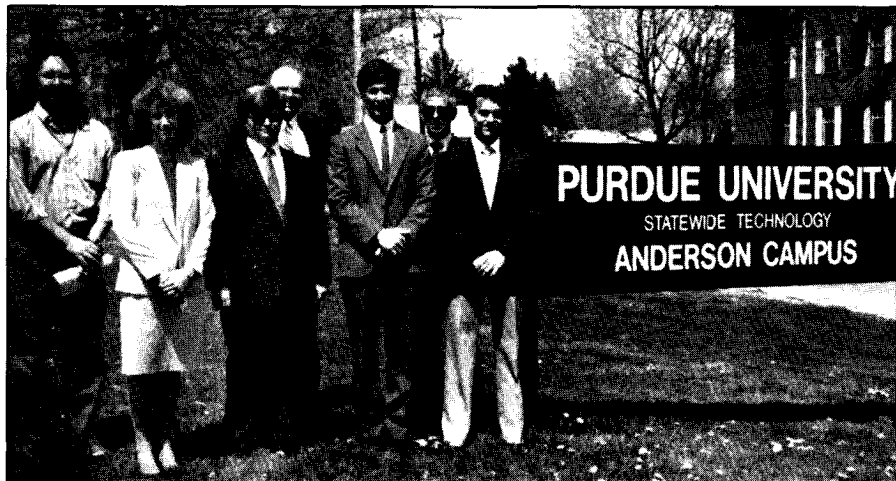
**PI GAMMA** (Purdue University, Ft. Wayne): On April 18, 1990 the chapter held initiation ceremonies and elected officers. Members also voted on some revisions in their chapter's constitution. Officers: Ralph A. Reppert (President); Darren R. Herschberger (Vice-President); Hooi Mey Chong (Secretary-Treasurer).

**PI EPSILON** (University of Southern Indiana): The chapter held its initiation on May 16, 1990. The members wish to thank Executive Director Frederick J. Berger for his suggestions on how to facilitate the identification of eligible candidates. As one of its projects, the chapter developed a telephone communication system which allows members to record questions that the faculty adviser can answer from any phone inside or outside the university. Officers: David Baggett (President); Steven Spahn (Vice-President); Brad Schepers (Secretary-Treasurer).

**PI ZETA** (Purdue University, Anderson): The chapter held initiations and banquets on April 23, 1989 and on April 22, 1990. In 1989 the featured speakers were Professors Beasley and Lowery, faculty advisers. In 1990 the speakers were Professors Dave Dennis and Leslie Kelly. The initiation ceremony is open only to members, but other guests, family, and faculty may and do attend the banquet. Plans include a trip to the University of Dayton to meet members of Gamma Beta chapter and also a sale of used books to raise funds. Officers (1989): Laura Soverns (President); Steven Walters (Vice-President); Gary French (Secretary). In 1990 the president and vice-president continue to serve, joined by Steve Fernung as secretary.

**PI THETA** (Purdue University, Kokomo, Ind.): The chapter held its chartering ceremony on February 17, 1990. Dean Fred Emshousen of Pi Alpha represented Executive Director Frederick J. Berger and assisted in the initiation procedures. The chapter plans to erect a Tau Alpha Pi key-monument. Officers: Brian Imbler (President); Francis Rodriguez (Vice-President); Lesa Stevens (Secretary); Mark Hewitt (Treasurer).

Left to right: Steven Walters, Laura Soverns, Michael Thompson, Prof. Richard Lowery (Adviser), Albert Mihic, Prof. Jack Beasley (Adviser), Gary French.



1990

### Tau Alpha Pi

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#### PI THETA

**RHO ALPHA** (Colorado Technical College): The chapter was active in establishing a recycling center at the college. Members have also assisted the Student Council in a summer picnic where tournaments in sports, especially the horseshoe tournaments, take place. In addition, the chapter sponsored guest speakers who spoke on "Expert Systems of Simulation and Manufacturing" and "Next Generation Telescopes." Officers:

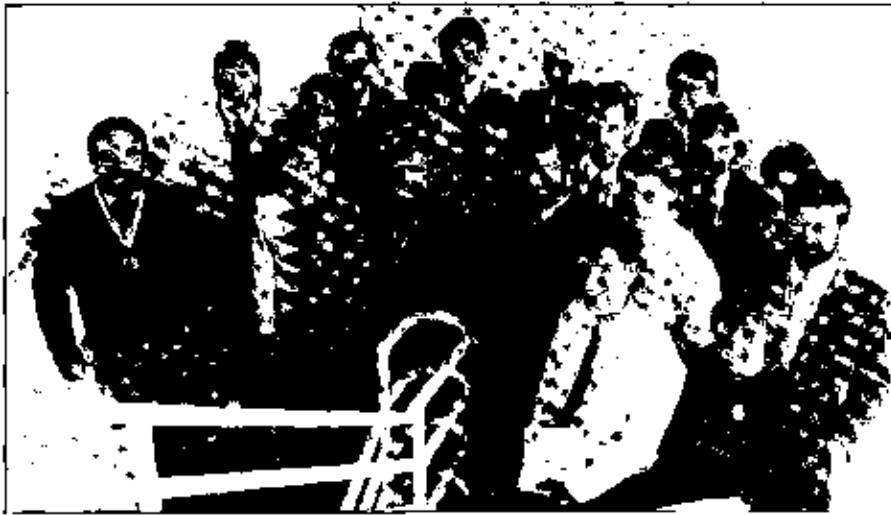
Walter P. Baker, Jr. (President); Morgan Doyle (Vice-President); Veronica Faust (Secretary); Philip Compton (Treasurer).

Left to right, front row: Dean Sullivan, Mary Price. Second row: Mark Hewitt, Joyce Nudge, Lesa Stevens, Van Purciful, Joseph Bridenthal, James Salley. Third row: Brian Imbler, Beverly Reid,

Paula Kincaid, Kristen Fitzgerald, Jeffrey Boring, John Williams, Joseph Backs, Warren Monroe.

Last row: Francis Rodriguez, Robert Irwin, William Givens, David Ray.

Left to right, seated: ~ ..... Martha Lrd, Veronica Faust, Fr...ie McCafflerty, Don Wurr.  
 Standing: Walter P. Baker, Jr., Darwin Nettles, Morgan Doyle, Phil Compton, Kevin McCafferty, Chris  
 Westman, Eric Senzek.



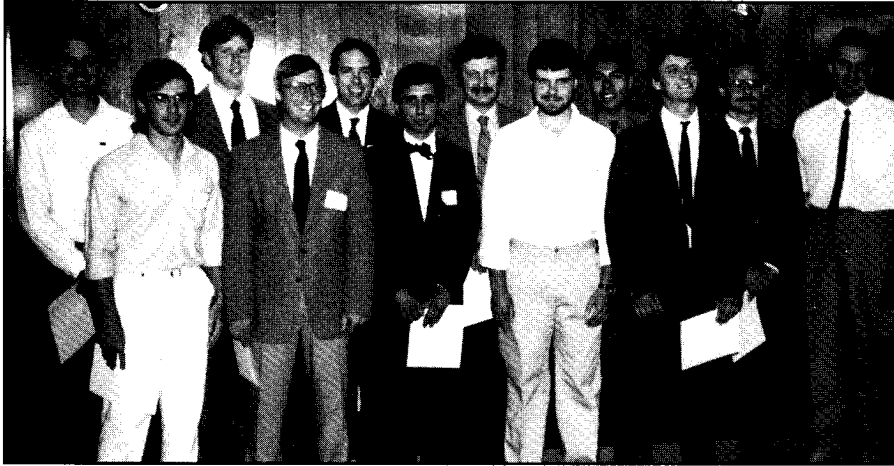
**RHO BETA** (University of Southern Colorado, Pueblo): The chapter held its initiation and banquet on April 28, 1989. The guest speaker was Mr. John Graaff of Set Point Systems Company, who presented an illustrated talk on energy monitoring and control. Three Rho Beta members took first place honors at the twelve-state IEEE Region 5 conference in Dallas: Cheryl Frierson was the student paper contest winner, and the team of Danny Highby and James Glenn placed first in a design project competition. On April 27, 1990, the chapter held its most recent initiation and banquet. The guest speaker was Mr. Jean-Claude Roumain of Holman-Ideal Company, engineers and consultants to the concrete industry. The topic was "The Role of Engineers and Technologists in Sales and Marketing Services." Officers (1989): Tracy Drummond (President); Mark Gazette (Vice-President); James Glenn (Secretary-Treasurer). Officers (1990): Mark Gazette (President); Ronald Reed (Vice-President); Scott Gregory (Secretary); Richard Morrow (Treasurer).

**RHO GAMMA** (Metropolitan State College of Denver): The chapter's annual banquet was held on November 18, 1989. The chapter's chartering faculty adviser Professor Howard Paynter gave a presentation on his trip to China with a delegation of engineering and technology educators. Initiations of new member took place on May 15, 1989 and on June 8, 1990. Officers: Blake G. Russo (President); Curtis L. Judd (Vice-President); Claudia R. Samuel (Secretary-Treasurer).

**SIGMA BETA** (University of Central Florida): The chapter held its initiation and banquet at the University Club on the evening of July 28, 1989. The speaker was Dr. Richard Denning, Department Chairman and founding adviser of the chapter, who provided a brief history of engineering technology to the Tau Alpha Pi members, initiates, and guests. Mr. Emil Vasquez, Assistant Professor of Engineering Technology, was inducted along with the twelve outstanding UCF engineering-technology students. Guests at the banquet included Dr. Gary Whitehouse, Dean of the College of Engineering, and Harold Griffith, retired associate professor from the department. Officer: William A. Ross (President).

Left to right, front row: Michael Niznik, Mark Huffington, Ahmad Zaamur, James Gleeson, Jerry Bmck.

Back row: Thg Baski, Mark Sthd~dU, Robert Martin, Prof. Peter Burton, Juan lbrres, James Glenn, Shawn Morland. (Not shown: Stephen Harget.)



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**SIGMA BETA**

Left to right, front row: Prof. Emil Vasquez, Philip Fitzgerald, Frank Sanzone, Ray Krause. Back row: Kimberly Payzant, Peter Tims, Adrienne Hauptkorn, Dr. Richard Denning (Adviser), Ronald Penn, Jorge Campano.

**SIGMA BETA** (Brevard Campus, University of Central Florida): The chapter held formal chartering ceremonies on December 1, 1989. Dr. William Byers conducted the initiation of members. Dr. Robert Westrick, Director of Brevard Campus of the University of Central Florida, addressed the initiates and guests, and he was presented with honorary membership. Officers: Peter Tims (President); Jennifer Sagucio (Vice-President); Bruce Swahian (Secretary); Gary Lue Chung (Treasurer).

Left to right, front row: Prof. Au Shaykhian (Adviser), Prof. Newton Gregg (Adviser), Jennifer Sagucio, Peter Tims. Back row: Gary Lue Chung, Dr. William Byers (Sponsor), Richard Z. Burske, Bruce Swahian, James Derr~ Dr. Robert Westrick (Campus Director).





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**SIGMA GAMMA** (St. Petersburg Junior College): The chapter sponsored tutoring for students in engineering. During Engineers' Week, four engineers from industry addressed the members and conducted seminars on careers in engineering and technology. The chapter sponsored also a visit to the Kennedy Space Center in March, 1990. Future plans call for visits to local industries and the re-painting of the Tau Alpha Pi emblem in front of the library building on the St. Petersburg campus. Officers (1990): Ray Leitz (President); Diane Murray (Vice-President); Keith Lange (Secretary). Officers (1989): Ray Leitz (President); Laurie L. Stone (Vice-President); Jessica Ascough (Secretary).

**P1 EPSILON** (Embry-Riddle Aeronautical University): Initiation was held on March 1, 1990. Members emphasized promoting the visibility of Tau Alpha Pi. They have given short presentations in freshman-sophomore engineering-technology classes to explain the requirements and purpose of Tau Alpha Pi. In the future, members will be recognized at commencement. Plans include having a display banner with the Tau Alpha Pi emblem and also a key-monument. Officers: Amanda L. Endress (President); Joe Frissora (Vice-President); Forrest Aroin (Secretary-Treasurer).

**UPSILON ALPHA** (Northern Arizona University): The chapter held its initiation on December 8, 1989. Plans include making Tau Alpha Pi more visible on campus. Officers: Jackie E. Power (President); Daniel C. Marcalus (Treasurer).

**UPSILON BETA** (Arizona State University): The chapter held its initiation on April 4, 1990 and a banquet on April 20. The guest speakers were members of the college administration and representatives from industry who addressed the importance of scholarly achievement. Officers: Kyle Freeman (President); Earl Schreger (Vice-President); Joseph L. Tomastic (Secretary-Treasurer).

**UPSILON DELTA** (De Vry Institute of Technology, Phoenix): The chapter held its initiation on June 1, 1989. Among its activities is the operation of a tutoring center on Saturdays. Members also participated in a science olympiad, held by Arizona State, and were judges in the electronic portions of the olympiad for high-school students. In the planning stage is a project to assemble and sell IBM compatible computers to students at substantial savings and then service the warranties for these computers. Officers (1989): Kenneth G. Minor (President); Gerald Schock (Vice-President); John Crowley (Secretary); Jim Carpenter (Treasurer); Officers (1990): Daniel W. Peterson (President); David M. Schott (Vice-President); Robert O'Gorman (Secretary); Jay W. Yang (Treasurer).

**PSI BETA** (Nashville State Technical Institute): The chapter held its initiation ceremonies on November 17, 1989. The initiates were honored later that evening at the chapter's annual banquet. Among their ongoing activities, chapter



members have been developing a scholarship program to help provide for the academic assistance to their fellow students. Officers: Michael S. Treadway (President); Elizabeth Darnall (Vice-President); Masooda Rabi (Secretary-Treasurer).

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### Tau Alpha Pi

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#### PSI BETA

**PSI DELTA** (Pellissippi State, Knoxville): The chapter held its most recent initiation on July 27, 1990. During the past year, members have worked in conjunction with Phi Theta members on projects such as a Christmas dinner and gifts for a local orphanage, Club Awareness Day, and tutoring in math and engineering technologies. Officers (1990-91): Charlotte Dell Fraser (President); Amanda K. Adams (Vice-President); Paul D. Clements (Secretary-Treasurer).

**OMEGA ALPHA** (New Mexico State University): The chapter held initiation ceremonies on April 6, 1990. Among the inductees was Professor Jeff Beasley, a faculty member. Activities include tutoring, sponsoring a Girl Scout troop located in Las Cruces, and fund raising for the Gospel Rescue Mission, an organization that provides shelter, food, and clothing for the homeless. Officer: James D. Journey (President).

**ALPHA ARKANSAS** (Arkansas State University, Beebe): The chapter had its first initiation and banquet on May 24, 1989. Executive Director Frederick J. Berger attended, assisted in the induction ceremonies, and gave the keynote address. Additional initiations were held on September 19, 1989 and on December 5, 1989. These initiations were attended by Dr. Donald Cain, Director of ASU Technical Institute at Beebe, and by Professor Pat Buford, faculty adviser. The chapter sponsors lectures in technology, and on February 15, 1990 Mr. David Mattingly spoke on "Managing in the 90's." Among other planned activities are promoting the visibility of Tau Alpha Pi and the briefing of freshmen regarding responsibilities and job opportunities. Officers: Joe Glover (President); Kelly Stewart (Vice-President); David Walls (Secretary-Treasurer).

Left to right, sitting: Brent Curtis, Damon Bever, Leigh Darnaul, Douglas Goodman, Masooda Rabi. First row, standing: Rachel Lo, Chester Mann, Prof. Innocent Usoh. Second row, standing: Christopher Hudson, Earnest R. Chaney, Richard Thomason, Tommy Pinkston, Mike Katsaitis, John Winstead, Rasheda Rabi, Dean Fisher, Michael S. Treadway. Third row, standing: Michael Braswell, Philip Gattis, Kirk Lehmann, Jay Hyde, John Buckner, Kent Curtis, Mike Kuykendall, J.S. McClure.



**ALPHA ARKANSAS**

**ALPHA D.C.** (Washington, D.C.): The chapter marked its tenth anniversary with a special celebration. Dr. Raphael Cortada, UDC president, was the honored guest. Dr. Philip Brach, Dean of the College of Physical Science, distributed the certificates to the new members and was himself inducted as an honorary member. Guest speakers included two alumni members, Raymond Paul and Charles Williams, who shared their industrial experiences as well as the significance of Tau Alpha Pi membership. Professor Shah, faculty adviser, gave a brief history of the chapter. Mrs. Cortada, the president's wife, led the birthday cake-cutting ceremony. Officers: Leoni Stepenson (President); Robert Norris (Secretary).

**ALPHA DELAWARE** (Delaware Technical and Community College): Initiation ceremonies and a luncheon were held on March 1, 1990. Members serve fellow students by offering computer disks and drafting supplies at cost. A trip to the Franklin Institute is planned. Officer: Richard Reynolds (President).

**ALPHA LOUISIANA** (Louisiana Tech University): The initiation ceremony was held on December 12, 1989. Foremost in its activities is the preparation of the Tau Alpha Pi key monument to be erected on campus. Officers: Shane Deville (President); Phillip Taylor (Vice-President); Kevin Greer (Secretary); Jerry Manly (Treasurer).

Left to right: Dr. Donald A. Cain (Adviser), Mike Mof'tet, Keith Summerlin, Donald Benton, Executive Director Frederick J. Berger, Darren Money, Prof. Jerry Cobuen.



1990

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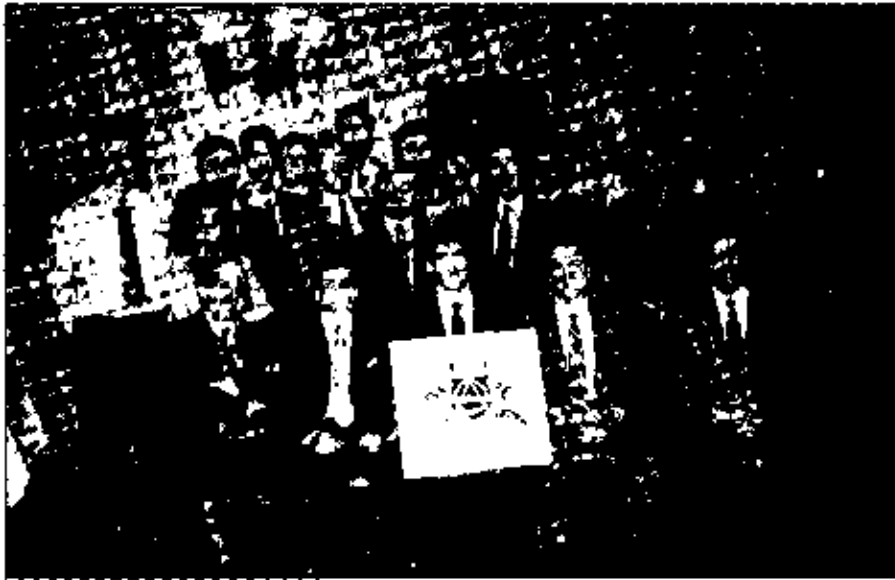
**ALPHA WISCONSIN** (Milwaukee School of Engineering): The chapter held initiations and banquets on March 8, 1989 and on March 7, 1990. Membership participation from the mechanical and manufacturing technologies has increased. In the fall the chapter conducted a service to inform freshmen and sophomore electrical technologists on choosing a technical specialization. Such seminar will be held annually. Officers (1989): Stephen R. Kobs (President); Steven M. Sadowski (Secretary-Treasurer); Lillian I. Rodriguez (Activities Coordinator). Officers (1990): Tony Krueck (President); Kal Krautkramer (Secretary-Treasurer); Russell Jungers (Activities Coordinator).

**BETA MICHIGAN** (Wayne State University): The chapter held initiations on December 8, 1989 and on April 28, 1990. Among the inductees were honorary members: Dean Fred W. Beaufait; Professor Seymour Cuker; and Professor Julian Pate III, alumnus and executive at Ford Motor. Chapter members completed

the casting of the 14" Tau Alpha Pi emblem and want to thank Executive Director Frederick J. Berger for forwarding the pattern. In progress is the preparation of the key-monument, and the dedication of it is planned for the fall of 1990.

Officers: Gerald W. Tarpley (President); Arthur James Wesserling (Vice-President); Richard Joseph Pado (Secretary); Patrick F. Smith (Treasurer).

Left to right, front row: Prof. Harvey Hoy (Adviser), Stephen Kobs, Gregory LeGrave, Stephen Ferkel, Prof. Robert Strange-y (Adviser). Second row: Lillian Rodriguez, Brian Scharles, Scott McCullough, Todd Heraly, Michael Davis. Third row: Michael OfTutt, Mark Ciepluch, Ray Gries, Steven Sadowski, Brian Hngerson, Scott Skaletski, Kevin Retlich. Fourth row: Thomas Harrington, Kal Krautkramer, Thomas Johnson, Anthony Krueck, Patrick Kiel, Brad Frissinger, Phil Gernenz, Michael Koch, Rodney Haas, Brant Miller.



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## HONOR ROLL

The officers and members of Tau Alpha Pi National Society hail and greet the following affiliate chapters newly elected from May 1989 to June 1990. We commend the institutions for having the foresight to initiate affiliate chapters of Tau Alpha Pi at their respective campuses. We congratulate these charter members and say to them that they should be proud of their designation, for Tau Alpha Pi National Honor Society for students in Engineering Technology is the most selective of all honor societies, accepting only the top 4% of all associate and baccalaureate engineering technology students enrolled at a college or university.

We hope that the charter members will establish a solid and firm foundation so that those who follow them will be able to build upon it. Our best wishes for success in the endeavors of Tau Alpha Pi.

Dr. Frederick J. Berger  
Executive Director  
Tau Alpha Pi

### ALPHA ZETA CHAPTER

Chartered October 19, 1989, Savannah Tech:

Prof. Seyed Au Hosseini, Director E.T., Sponsor.

Dr. Billy Hair, President, Professor William Briley, Honorary Members.

Charter Members

Steven Snooks	Jason W. Hamilton
James D. Webb	Donald D. Drury
Gloria Geary	Timothy E. Welch
Herbert Katamba	Myron J. Young
James R. Patti	Au Dehbozorgi

**ZETA ZETA CHAPTER**

Chartered April 27, 1990, University of Houston-Downtown College:  
Dr. Stanley G. Ebner, Sponsor; Professor Harry Franz, Adviser.

Charter Members

Joyce St. Andrie	Cruz Rodriguez
Bajjnath Prasas	Stanley A. Hilligiest
Robert Vimau	Due T. Vien
John C. Case	

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**KAPPA GAMMA CHAPTER**

Chartered April 19, 1990, Prince George's Community College:  
Prof. Charles Hendrickson, Sponsor.

Charter Members

Lonnie A. Allison, Jr.  
Timothy W. Billheimer  
Jeffrey P. Franco

Jeffrey L. Wilson

Lyndon G. Augustine  
Scott T. Corridon  
Michael T. McMain

**SIGMA BETA CHAPTER-BREVARD**

Chartered December 8, 1989, University Central Florida-Brevard Campus:

Dr. William Byers, Sponsor; Prof. Au Shaykhian, Prof. Newton Gregg, Advisers.  
Dr. Robert Westrick, Honorary Member.

Charter Members

Peter Tims  
Richard Ziburske  
Raleigh Berry

James Derry  
Gary Luechung  
Jennifer Sagucio  
Bruce Swahian

**P1 THETA CHAPTER**

Chartered February 17, 1990, Purdue University-Kokomo:  
Prof. Gerard Foster, Prof. Calvin S. Kunkle, Sponsors.

Charter Members

Mark Alan Hewitt  
John Derek Williams  
William E. Givens  
Mary Jean Price  
James W. Salley  
Warren Monroe

Eric C. Juliot  
Jeffrey Todd Boring  
Paula Lynn Kincaid  
Joseph H. Bridenthal  
Beverly A. Reid  
Robert J. Irwin  
David A. Ray  
Kristen M. Fitzgerald  
Brian Curtis Imbler  
Joyce Marie Nudge  
Van Purciful  
Dean D. Sullivan  
Lesa A. Stevens  
Joseph A. Backs  
Francis Joseph Rodriguez  
**ALPHA ARKANSAS CHAPTER**

Chartered May 24, 1989, Arkansas State University-Beebe Branch:  
Dr. Donald A. Cain, SponsorS

Charter Members  
Keith Summerlin  
Donald Benton  
Catherine A. Skeel

Tommy Apple  
Darren Money  
Mike Moffitt

## **Collegiate Chapters of Tau Alpha Pi National Honor Society for Engineering Technology**

### **ALPHA ALPHA CHAPTER**

Southern College of Technology  
1112 Clay Street  
Marietta, Georgia 30060  
Prof. Paul Wojnowiak

### **ALPHA BETA CHAPTER**

DeVry Institute of Technology  
250 North Arcadia Avenue  
Decatur, Georgia 30030  
Prof. John Blankenship

### **ALPHA DELTA CHAPTER**

Savannah State College  
Engineering Technology  
P.O. Box 20089  
Savannah, Georgia 31404  
Dr. Lester B. Johnson

### **ALPHA EPSILON CHAPTER**

Fort Valley State College  
Fort Valley, Georgia 31030

Dr. Ferydoun Jalali

**ALPHA ZETA CHAPTER**

Savannah Tech.  
5717 White Bluff Road  
Savannah, Georgia 31499  
Prof. Seyed Au Hosseini

**BETA ALPHA CHAPTER**

College of Aeronautics  
LaGuardia Airport  
Flushing, New York 11371  
Prof. Joseph J. Scalise

**BETA GAMMA CHAPTER**

Queensborough Community College  
of The City University of N.Y.  
56th St. & Springfield Blvd.  
Bayside, N.Y. 11364  
Prof. Brigitte Mueller

**BETA DELTA CHAPTER**

Bronx Community College  
of the City University of N.Y.  
Bronx, New York 10453  
Dr. Jack I. Prince  
Prof. Herb Tyson

**BETA EPSILON CHAPTER**

Hudson Valley Community College  
80 Vandenberg Avenue  
Troy, New York 12180  
Dr. John Nagi  
Prof. Ralph E. Folger

**BETA ZETA CHAPTER**

College of Staten Island  
Sunnyside Campus of CUNY  
715 Ocean Terrace  
Staten Island, N.Y. 10301  
Prof. Sol Lapatine

**BETA THETA CHAPTER**

Broome Community College  
Binghamton, N.Y. 13902  
Prof. Robert L. Reid  
Prof. Alan C. Dixon

**BETA IOTA CHAPTER**

Rochester Institute of Technology  
One Lomb Memorial Drive  
P.O. Box 9887  
Rochester, New York 14623-0887  
Prof. Louis Gennaro

**BETA KAPPA CHAPTER**

State University of New York

Institute of Technology  
Marcy Campus  
P.O. Box 3050  
Utica, New York 13504-3050  
Prof. James T. Vize  
Dr. Louis J. Galbiati, Jr.

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**BETA LAMBDA CHAPTER**

Technical Career Institute  
320 West 31 Street  
New York, New York 10001  
Dr. Farhad Nabatian  
Prof. Robert W. Svarrer

**BETA MU CHAPTER**

State University of New York  
College of Technology  
Canton, New York 13617  
Prof. Arthur Hurlbut  
Prof. Wayne Ratowski

**BETA NU CHAPTER**

New York Institute of Technology  
Wheatley Road  
P.O. Box 170  
Old Westbury, Long Island  
New York 11568  
Dr. George Salayka  
Dr. Edward Altchek

**BETA XI CHAPTER**

Alfred State College  
SUNY .Engineering Tech.  
Alfred, New York 14802  
Dr. Edward J. Harrison  
Prof. Philip F. Alesso  
Dr. William B. Bruce  
Prof. Robert E. Rees

**BETA OMICRON CHAPTER**

Westchester Community College  
State University of New York  
Mail Station T-110  
75 Grasslands Rd.  
Valhalla, New York 10595  
Prof. Ernest A. Jeorg  
Prof. Kevin B. Slavin  
Prof. Emilio Escaladas  
Prof. Jerome Mouldovan  
Prof. Michael Spina  
Prof. Joanne Apesos

**BETA Pi CHAPTER**

State University of New York

at Binghamton  
Binghamton, New York 13901  
Dr. Andre J. Lavin  
Prof. Chittaranjan Sahay  
Prof. James H. Constable

**GAMMA ALPHA CHAPTER**

University of Cincinnati  
OMI College of Applied Science  
2220 Victory Parkway  
Cincinnati, Ohio 45206  
Dr. Cheryl Dunn  
Dr. Frederick J. Kryman  
Prof. David Wells

**GAMMA BETA CHAPTER**

University of Dayton  
300 College Park  
Dayton, Ohio 45469  
Prof. James F. Courtright

**GAMMA EPSILON CHAPTER**

DeVry Institute of Technology  
1350 Alum Creek Drive  
Columbus, Ohio 43209-2764  
Prof. Barry Brey  
Prof. John E. Giancola

**GAMMA ZETA CHAPTER**

Owens Technical College  
Main Campus, Caller 10,000  
Oregon Road  
Toledo, Ohio 43699  
Prof. Paul Svatik  
Prof. Jennifer J. Streeter

**GAMMA ETA CHAPTER**

University of Akron  
Engineering Technology  
Akron, Ohio 44325-6104  
Prof. John Edgerton  
Prof. Minnie C. Pritchard  
Prof. David J. Robinson

**GAMMA THETA CHAPTER**

University of Toledo  
2801 West Bancroft  
Toledo, Ohio 43606-3390  
Prof. Richard L. Curran  
Prof. Frederick J. Nelson

**GAMMA IOTA CHAPTER**



Sinclair Community College  
444 West Third Street  
Dayton, Ohio 45402  
Dr. George H. Sehi  
Prof. James Houdeshell  
Prof. Wesley D. Bash

**GAMMA UPSILON CHAPTER**

Cuyahoga Community College  
Metropolitan Campus  
2900 Community College Ave.  
Cleveland, Ohio 44115  
Dr. Fred Sutton  
Prof. Kathy Hathaway  
Prof. Jim Drake

**DELTA ALPHA CHAPTER**

Wentworth Institute of Technology  
550 Huntington Avenue  
Boston, Massachusetts 02115  
Prof. Charlene Solomon

**DELTA BETA CHAPTER**

Northeastern University  
School of Engineering Technology  
120 Snell Engineering Center  
Boston, Massachusetts 02115  
Dr. Tom Hulbert  
Prof. Erich W. Hansberry  
Prof. Nonna Kiss Lehmkuhl  
Prof. Ronald Scott  
Dr. Roy Dalsheim

**DELTA GAMMA CHAPTER**

Franklin Institute of Boston  
41 Berkeley Street  
Boston, Massachusetts 02116  
Dr. Michael C. Mazzola  
Dr. Richard P. D'Onofrio  
Dr. Murray Shapiro  
Prof. Alan Siegel

**DELTA DELTA CHAPTER**

Southeastern Mass. University  
North Dartmouth, MA 02747  
Prof. Alden W. Counsell  
Dr. Dean J. Schmidlin  
Prof. Fryderyk E. Gorczyca  
Dr. John W. Hansberry  
Prof. Lenine Consalves

**EPSILON ALPHA CHAPTER**

DeVry Institute of Technology  
11224 Holmes Road  
Kansas City, Missouri 64131  
Prof. Frank Mannasmith

**EPSILON BETA CHAPTER**

St. Louis Community College  
at Florissant Valley  
3400 Pershall Road  
St. Louis, Missouri 63135  
Prof. Linda Miller

**ZETA ALPHA CHAPTER**

College of Technology  
University of Houston  
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Houston, Texas 77004-4083  
Prof. Thomas Matthews

**ZETA BETA CHAPTER**

DeVry Institute of Technology  
4250 North Betline Road  
Irving, Texas 75038  
Prof. Allan R. Escher

**ZETA GAMMA CHAPTER**

Texas A and M University  
College Station, Texas 77843-3367  
Prof. George B. Wright  
Dr. Rusell E. Puckett  
Prof. Albert B. Grubbs, Jr.

**ZETA DELTA CHAPTER**

Texas Tech. University  
Department of Technology  
P.O. Box 4200  
Lubbock, Texas 79409  
Prof. Lee Reynold

**ZETA EPSILON CHAPTER**

Del Mar College  
P.O. Box 6027  
Corpus Christi, Texas 78404  
Prof. Harold L. Teel, Jr.  
Prof. Larry L. Money

1990

**Tau Alpha Pi**

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**ZETA ZETA CHAPTER**

University of Houston  
Downtown College  
College of Science and Technology  
One Main Street  
Houston, Texas 77002  
Dr. Stanley G. Ebner  
Prof. Harry Franz

**ETA BETA CHAPTER**

University of North Carolina

Engineering Technology Dept.  
UNCC Station, Hwy 49  
Charlotte, North Carolina 28223  
Prof. Pao-Lien Wang  
Prof. Edward M. Willis  
Prof. Catherine Ferman

**THETA ALPHA CHAPTER**

Virginia Western Community College  
P.O.Box 14007  
3095 Colonial Ave. S.W.  
Roanoke, Virginia 24038  
Dr. Martin Levine

**THETA BETA CHAPTER**

Old Dominion University  
111 Kaufman Hall  
Norfolk, Virginia 23529-0244  
Prof. Drew Landman

**IOTA BETA CHAPTER (17 Chapters)**

of the Commonwealth Campuses of Penn State

**Altoona Campus**

Altoona, PA 16603  
Prof. Bernard Campbell

**Beaver Campus**

Broadhead Road  
Monaca, PA 15061  
Prof. Sandra A. Yost

**Penn State at Erie**

Behrend College  
108 Nick Station Rd.  
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April 12, 1981

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February 4, 1982

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February 4, 1982

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July 31, 1990

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## Chapter News

Name of Chapter. College  
Adviser: \_\_\_\_\_

New Officers: President:.  
Telephone: Home Business

Secretary:  
Vice President:  
Treasurer:  
Newsworthy Chapter Activities (since those published in 1990)

Future Plans of Chapter: \_\_\_\_\_  
Add an additional sheet if you wish. Please submit group pictures, if possible, and have identifying names. Include phone numbers of officers. Send information to Prof. Berger by March.