The University of Michigan—Dearborn

The University of Michigan-Dearborn was founded in 1959 through a gift of 210 acres and $6.5 million from the Ford Motor Company. The campus is on land that was originally part of automotive pioneer Henry Ford's estate. It includes Ford's last residence, the 56-room Fair Lane.

U of M-Dearborn is one of three University of Michigan campuses. The others are located at Ann Arbor and Flint. Fall enrollment at Dearborn is more than 6,000, including about 500 graduate students. Nearly all of the students commute to campus from the surrounding three-county Detroit metropolitan area.

The campus is divided into five academic units, the largest of which is the College of Arts, Sciences and Letters (CASL). Undergraduate degree programs are offered in the CASL departments of natural sciences, humanities, behavioral sciences, social sciences and mathematics.

The second largest unit, the School of Engineering, offers both graduate and undergraduate degrees in electrical engineering, mechanical engineering, and industrial and systems engineering. All undergraduate degree programs are accredited by the Accreditation Board for Engineering and Technology (ABET).

A total of 1,277 students were enrolled in engineering during the fall of 1981. Approximately 162 courses are offered in engineering leading to positions in defense, electronics, health care industry, engineering research, engineering fields in the auto industry, and automotive support industries.

The School of Management and the Division of Education offer both undergraduate and graduate degrees. The Division of Interdisciplinary Studies offers undergraduate programs in computer science, environmental studies, urban studies and public administration, and a graduate degree in public administration.

Twelve major buildings, including the Engineering Laboratory Building, on campus serve the needs of students, faculty and community residents. The physical plant includes the new University Library (which circulates an average of 5,667 books monthly), and the University Mall, an award-winning facility that includes classrooms, faculty offices and service areas.

The Fair Lane Conference Center, the Recreation and Organization Center, the Environmental Study Area and the Child Development Center serve a variety of...
emphasize on becoming very large, so this objective doesn’t present a radical change.

“Perhaps more importantly, the campus will renew its efforts to maintain high quality in all that it undertakes,” he adds. “Every attempt will be made not to lose quality gains from the past.”

A quality feature of several academic programs at Dearborn is cooperative education. Students selecting this educational option spend alternating terms on and off campus in paid positions with businesses and governmental agencies. A number of departments also offer non-paying academic internships.

The Engineering Internship Program enriches students’ academic experience. Students are paid; in 1980 the average salary was from $4,000-$6,000 per semester while on work assignment. Engineering interns work in the major automotive firms, computer manufacturing industry, agricultural equipment industry, automotive support industries, research and development facilities, health care facilities, aerospace support industry, and the communications industry.

“High standards and a tough, demanding program...” is how one engineering alumnus of U of M-Dearborn described the School of Engineering in an alumni survey. It has earned a national reputation for supplying industry with engineers who quickly become leaders on the job. Employers consistently praise U of M-Dearborn graduates as goal-directed, hard-working individuals who have thoroughly learned what they are supposed to know.

Two student chapters of engineering honor societies are at U of M-D; they are Tau Beta Pi and Eta Kappa Nu. Other engineering organizations include the Society of Women Engineers, the Society of Minority Engineers, IEEE, ASME, SME, and Dearborn Campus Engineers.

Off-campus, many industrial firms such as Ford Motor Company, Blue Cross/Blue Shield, the U.S. Department of Defense, Bendix Corporation, Corning Glass and Henry Ford Hospital consult regularly with U of M-Dearborn engineering faculty.

Several professors serve as “expert witnesses” in the areas of product liability and manufacturing and design problems. Twenty-five percent of the faculty are registered professional engineers and ten percent have received special awards of excellence for contributions to the profession. All are active in some professional organization.

The University of Michigan-Dearborn will continue to serve a heterogeneous student body. Students are represented in all ethnic groups. Most U of M-Dearborn students work at least part-time.

Often they are the first in their families to attend college; many are heads of households. The University strives to provide maximum flexibility in student services and class scheduling while maintaining high standards for student performance in the classroom.

Prepared for THE BENT by Donna Lomas, information officer in the University Relations Department, University of Michigan-Dearborn. Tau Beta Pi’s Michigan Iota chapter was installed at U of M-Dearborn on January 16, 1982. The photos are by Philip Dattilo.

Spring 1982
Michigan Iota Installed

THE Michigan Iota chapter of Tau Beta Pi was installed at the University of Michigan-Dearborn on January 16, 1982. Vice President and Executive Councillor Wayne J. Mikols was official installing deputy. He was assisted by District 7 Director John R. Luchini and Secretary-Treasurer Robert H. Nagel. Michigan Iota became the 184th active collegiate chapter of Tau Beta Pi.

The chapter had been granted by the 1981 Convention to a unique petitioning group of students, consisting of members of the Michigan Gamma chapter who were undergraduate students at UM-Dearborn. Michigan Gamma is at the University of Michigan in Ann Arbor, some 40 miles away. The petitioners had operated their local group as though it were a free-standing engineering honor society and continued to perform their functions as active members of Michigan Gamma. With the development of the UM-Dearborn engineering programs, with independent accreditation and a growing student body, the time had come to establish a separate Tau Beta Pi chapter on the Dearborn campus.

Four Dearborn students—Nancy L. Sipus, John M. Czarnecki, James R. Goings, and Gary R. Shomsky—former Dearborn engineering dean and chief advisor Dr. J. Robert Cairns, MI '54, and UM-D staff member Patricia M. Yeager represented the petitioning group at the Long Beach, CA, Convention last October. At the time of the Michigan Iota chapter installation there were 18 student members of Michigan Gamma in the Dearborn group. Acting with the authority of the Convention, they elected 14 additional undergraduate student members and a graduate student to Tau Beta Pi, along with two Dearborn faculty department heads who qualified under the eminent-engineer membership provision. Those who became Michigan Iota's first official members were:

EMINENT ENGINEERS
A. Adnan Aswad, '55
Murray H. Miller, '50

STUDENTS
Pasquale D. Cosenza, '83
Steven J. DelBasso, '82
Stanley J. Ference, III, '82
Ralph C. Francis, '84
(graduate student)
Crystal R. Glossop, '83
Eric K. Haupt, '83
David F. Hooten, '83
Mark S. Kalliokinen, '83
Kevin M. Kolowski, '82
Martin E. Michalski, '83
James R. Moyni, '83
Sharon L. Powell, '83
Charles T. Walejewski, '83
Karen E. Weber, '81
Jerome J. Zawada, '82

The formal ceremonies of initiation and chapter installation were held in the auditorium of the Classroom-Administration Building on the UM-D campus. The ceremonies were witnessed by delegations of student officers of five nearby chapters led by their presidents, as follows:

Michigan Alpha—Cathleen J. Wettstone, President
Michigan Gamma—Leo J. Hourvitz, President
Michigan Delta—Kasra Kasravi, President
Michigan Eta—Kevin J. Russell, President
Michigan Theta—Kathleen E. Simonyi, President

Michigan Iota Charter Presentation
Tau Beta Pi Vice President Wayne J. Mikols formally gave the charter to Chapter President John M. Czarnecki. From the left: Chapter Advisor J. R. Cairns, Mr. Mikols, Secretary R. H. Nagel, Mr. Czarnecki, Engineering Dean P. K. Trojan, Chapter Vice President Nancy L. Sipus, and District 7 Director J. R. Luchini.

Special Charter Supplement
John Czarnecki and Nancy Sipus hold the document which records the unique origins of Michigan Iota. See the story for the details.
First Portion of Student Initiates

Also in attendance were several Tau Beta Pi faculty members of UM-Dearborn and Kenneth A. Sebert, OH K '79, newly-appointed District 7 Assistant Director.

The initiation team included Vice President Mikols, District 7 Director Luchini, Secretary-Treasurer Nagel, Acting Dean Paul K. Trojan of UM-Dearborn, Dr. Cairns, and John M. Czarnecki and Nancy L. Sipus of the petitioning group.

Immediately following the formal initiation, the new members were constituted a new chapter, Michigan Iota by name, in the customary ceremony of installation conducted by Vice President Mikols. In addition to the formal charter of the chapter, a supplemental document was presented reading:

**The Michigan Iota Chapter**

was initially comprised of active members of the Michigan Gamma Chapter

who, as students at The University of Michigan-Dearborn, were granted a charter by the 1981 Convention of The Tau Beta Pi Association

Installed on January 16th, 1982

(signed by the President and Secretary of the Association)

The installation ceremony included the formal election and inauguration of the chapter's first officers and advisors, as follows:

President—John M. Czarnecki
Vice President—William E. Gloioso
Vice President for Special Affairs—Nancy L. Sipus
Recording Secretary-Treasurer—James R. Goings
Corresponding Secretary—William M. Faitel
Cataloger—Thomas A. Genise
Tutoring Chairman—Navdeep S. Sooch
Activities Chairman—Gary R. Shomsky
Advisors:
Dr. J. Robert Cairns, MI A '54
Dean Paul K. Trojan, MI F '55
Dr. Louis W. Wolf, MI F '52
Dr. John F. Hemdal, IN A '57

Michigan Iota's installation and initiation banquet was held at Park Place, a meeting hall in the city of Dearborn. Chapter President John Czarnecki mastered the evening's ceremonies.

Spring 1982

Second Portion of Student Initiates

Michigan Iota's First Officers
All are Michigan Gamma members, as explained in the story. In the usual order: President J. M. Czarnecki, Vice President W. E. Gloioso, Special Affairs Vice President N. L. Sipus, Recording Secretary & Treasurer J. R. Goings, Corresponding Secretary W. M. Faitel, Cataloger T. A. Genise, and Activities Chairman G. R. Shomsky. Tutoring Chairman N. S. Sooch missed the picture.

Dr. William A. Jenkins, chancellor of the University of Michigan-Dearborn, greeted the new chapter in appropriate style, and so did Acting Engineering Dean Paul K. Trojan. The new chapter's slide show, developed for high school and UM-D freshman audiences, was presented by Robert W. Goings, a member of the petitioning group; it was narrated on sound track by Eric K. Haupi, a Michigan Iota initiate. It is an effective presentation.

Dr. John Lucini, District 7 Director, was reasonably gentle in introducing what the program called the "featured speaker," Secretary Bob Nagel. In his fashion, he gave a new speech under an old title, "What Mother Never Told You About Tau Beta Pi."

Tau Beta Pi Vice President Wayne Mikols brought the new chapter official greetings from the Executive Council and stated his pleasure at having had a part in the establishment of Michigan Iota. John Czarnecki named others to whom Michigan Iota is indebted and they were appropriately recognized. The evening ended with the traditional Tau Beta Pi yell, joined in enthusiastically by everybody. As Tau Bates know, the yell was written by former national Secretary R. C. Matthews in 1908 when those things were popular. It almost passed from view for more than half a century, then was revived in Tau Beta Pi just a few years ago.

Long live Michigan Iota!
ning with a brief look at the Visitor Center, Fred Browne and David Thomas of the utility hosted a tour of the interior of the plant, the first such inside tour allowed by the company in several years. Following the tour, the group met for lunch at the Chesapeake Country Club.

—Charles G. DeVoe
Corresponding Secretary

District 5

Central Florida Alumnus
Chapter Established

The newest Tau Beta Pi alumnus chapter, located in the greater Orlando, Florida area, received its charter from the Executive Council on January 30, 1982. One of the main purposes of the group is to support the activities of the Florida Delta collegiate chapter at the University of Central Florida, according to Steven C. Helle, FL A ’76, founder of the alumnus chapter.

Orlando-area Tau Bates who are interested in learning more about the group’s activities may contact Mr. Helle at 3025 E. South St., Orlando, FL 32803.

District 6

KMAT

District 6 Director Joe Hanby and Assistant Director Jim Johnson attended a number of chapter initiatives during the fall term and discussed projects with chapter officers. Accounts of their visits appeared in the winter edition of KMAT, the District 6 newsletter.

Tennessee Epsilon invited Memphis State engineering students to "Stick It to Your Favorite Professor." During final exam week, the chapter ran a booth where students could throw darts at a board displaying photos of engineering faculty for a small fee. The proceeds were used for worthy causes. The chapter has also sponsored an interviewing and placement seminar and an engineering T-shirt design contest, according to Chapter President Charles C. Climer.

The 180 members and guests who attended Tennessee Alpha’s November 11 initiation banquet were given a preview of the 1982 World's Fair by Edward S. Keen, TN A ’56, executive vice president in charge of engineering for the fair. Chapter President Norman P. Pih, who served as master of ceremonies, noted that the chapter had made significant progress on their Engineering Speakers Bureau for Technology and Society. Tennessee Alpha received a $450 grant from the Executive Council through the Greater Interest in Government Program Grant competition to help fund the activity.

Kentucky Alpha members Mark L. Vanderheide and Todd J. Struttman headed up arrangements for the District’s spring meeting held on March 26 and 27 at Cumberland Falls State Park in Kentucky. Photos and a story of the meeting will appear in the Summer BENT.

Tennessee Beta

Tennessee Beta held its fall initiation on December 3 and had Secretary Bob Nagel as its banquet speaker at the Vanderbilt University Club that evening. District 6 Assistant Director Jim Johnson participated too, as a member of the initiation team and as a giver of greetings at the dinner. R. Trent Wallace is president of Tennessee Beta this year and Marti S. Winfrey is vice president; they both attended the Tau Beta Pi Convention in Long Beach last fall as chapter delegates.

Faculty advisors of the new Michigan Iota chapter at the University of Michigan-Dearborn taken on January 16, 1982 when the chapter was installed. From the left: Dr. J. R. Cairns, Dean P. K. Trojan, former TBP President; Dr. R. W. Wolf was unable to attend the installation.

VII Voice

District Director John Luchini reported on the fall activities of his chapters in the January 1982 issue of the VII Voice, the District's newsletter.

The first Canadesian Club Hunt was sponsored by Michigan Gamma as part of the University of Michigan's Engineering Council's Enginfest. One-half case of Canadian Club Whiskey was at stake as 39 teams followed a string of seven clues that led to the case, hidden under a railroad bridge, out over the nearby river. Current Chapter President Leonard J. Hourvitz announced that a bell representing the local mechanical engineering honor society's chapter found the treasure in under three hours.

The chapter's fall initiation was held on December 13. The banquet, which followed at the West Bank Holiday Inn, drew over 200 attenders. The featured speaker, University of Michigan Engineering Dean James J. Duderstadt, CT A ’64, stressed the important factors to be considered by seniors in deciding whether or not to pursue graduate studies.

The Bents have been rolling off the assembly lines at General Motors Institute's Michigan Zeta chapter. Members used the numerical-control milling machine in the school's manufacturing process lab to make wooden Bents for the electees. They also manufactured plastic Bents that are being sold by the national headquarters.

It appears from Chapter President Edward D. Basta's article in the newsletter that his Ohio Epsilon chapter is running for a Most Improved Chapter award. A significant increase in the number of active members has allowed the chapter to expand its tutoring program and resume book project. Andrew M. Bonaffini, who heads up the tutoring program, appeared on a local television news program, to discuss engineering programs at Cleveland State University.

A special salute goes to District Director Luchini who was called upon to give the main speech at Ohio Beta's November 22 banquet when the originally-scheduled speaker had to cancel at the last minute. Wonder what he talked about?

ILLINOIS ALPHA

HAS BEEN JUDGED
THE BEST CHAPTER OF
THE TAU BETA PI ASSOCIATION
IN 1980-1981
AND IS GIVEN
THE R.C. MATTHEWS
OUTSTANDING CHAPTER AWARD

Illinois Alpha received this plaque in recognition of its excellent project activity and the high quality of its reports to the central office.
Sebert Named Assistant Director

District Director John Lucini has selected Kenneth A. Sebert, OH K '79, as his assistant. Kenneth was vice president of Ohio Kappa in 1978-79. He is a graduate student at the University of Akron.

District 12

Colorado Beta

Chapter President David J. Kehmeier continued his chapter's tradition of holding initiation banquets at local dinner theaters. The 42 initiates from both the Boulder and Denver campuses of the University of Colorado saw a production of “Mame” at the Boulder Dinner Theater on December 4, 1981. Among the attendees were Jim Froula, District 12 Director, A. Richard Seebass, NJ A '58, dean of engineering at the Boulder campus, and Paul E. Bartlett, CO B '51, dean of engineering at the Denver campus.

District 13

The sites of two future Tau Beta Pi meetings were visited by District 13 Director Mike Austin in January.

On the 14th he visited with the officers and advisors of Arizona Alpha. That chapter, under the leadership of President Thomas W. Birdwell, is sponsoring this year's District 13 meeting on April 24 in conjunction with its spring initiation and banquet.

The recently-named hosts for the 1984 national Tau Beta Pi Convention, Arizona Beta, received a visit from Mike on January 15. Chapter President Janice L. Bennett and Chief Advisor Jack E. Stadmiller, AZ B '53, who successfully presented their chapter’s invitation to host the national meeting, welcomed Mike to the Arizona State campus.

Sun City Alumnus Chapter

Janice L. Bennett and Cindy J. Goetz of Arizona Beta were the special guests at the Sun City Alumnus Chapter's February 4 meeting at Tom Tate's Garden Buffet. They showed the slide presentation that helped win their chapter's bid to host the 1984 national Tau Beta Pi Convention. They extended an invitation to the alumni chapter members to attend their chapter's April 23 initiation and banquet.

Calvin C. Oleson, SD B '25, was elected vice president of the Sun City group, joining Donald S. Pearson, OH I '29, and Kenneth S. Loomer, CA I '53, as officers.

District 14

Washington Alpha initiated more than 80 students on January 30 and held its banquet that evening in the University Towers Hotel in Seattle, near the campus. Tau Beta Pi's Executive Council had met that day in the city, and two of its members, Vice President Wayne Mikols and Councillor John Law, with Secretary Bob Nagel, District 12 Director Jim Froula, and District 14 Assistant Director Nancy Hillman attended. The main speaker of the evening was the University of Washington's new engineering dean, Dr. J. Ray Bowen, MA B '56. Chapter President Michael R. Rigdon gave Bob Nagel a chance to “say a few words,” which chance he gratefully took, spouting several more than a few!

We neglected to identify all of the people in this photo in the last issue. These are the charter members of the Sun City Alumnus Chapter. Front row, left to right: Leroy E. Smith, Harold L. Walker, Donald S. Pearson, Harold T. Ross. Back row: Eldred E. Warner, Philip H. Pretz, Frederick P. West, Calvin C. Oleson, John Harry.

Blaming Technology

Samuel C. Florman—author of The Existential Pleasures of Engineering six years ago—has done it again. He has written the definitive answer to the antitechnologists, just as you and I wish we could do. His new book is titled Blaming Technology. His posture with regard to the topic is revealed, in case anyone might have thought otherwise, in the subtitle, “The Irrational Search for Scapegoats.”

In 16 well-written chapters, Mr. Florman, who is a practicing engineer and vice president of the Kreischer Borg Florman Construction Company of Scarsdale, NY, recites the antitechnologists' views and rationally refutes them. He takes on all comers—including the small-is-beautiful crowd, the idealistic Club of Romers, the culturally-alienated feminists, and the environmental fanatics.

Technology is not out of control. It hasn't always acquitted itself nobly, and its practitioners don't have all the wisdom they'd like to have. But its record of achievement in the best interests of civilization cannot be denied, and it alone holds the hope for continuing the advance of mankind. Don't believe anything else, argues Samuel Florman, convincingly.

Mr. Florman is the model of a liberally-cultured engineer. He writes with intelligence and charm. He is a rare delight.


Getting Sued and Other Tales of the Engineering Life

This new book, by Richard L. Meehan, may be read with pleasure and profit by every engineer. The chapter titled "The Man Who Bought Route 128" might well be required reading in any class on ethics.

Mr. Meehan received his degree in civil engineering from Massachusetts Institute of Technology in 1961. His specialty is soil mechanics. Today he is president of consulting firm, Earth Sciences Associates, and a consulting professor at Stanford University.

The book, which is biographical in character, is a well-written description of the education and development of an engineer. The human side of the engineering profession is highlighted in a series of stories which, in setting, run from Massachusetts to California via Thailand, Chile, and Haiti.

Getting Sued and Other Tales of the Engineering Life, by Richard L. Meehan; Massachusetts Institute of Technology Press, Cambridge, MA 02142. $15.00.

E. J. Taylor, Jr., OH A '59

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