

The GEAR of THETA TAU



SPRING 1973

VOLUME LXI

NUMBER 2

THE EXECUTIVE COUNCIL

has authorized a formal plan for

VOLUNTARY CONTRIBUTIONS TO THETA TAU FRATERNITY

by its alumni and other interested persons. These contributions may be by periodic or occasional gifts or bequests.

Specifically, persons may contribute to a "Founders' Memorial Fund" or give "unrestricted gifts." Funds contributed to the Founders' Memorial Fund are to be invested in securities (stocks, bonds, and mortgages) with preference to be given to loans to Theta Tau house corporations for the purpose of building, buying, remodeling, or furnishing chapter houses. One-half of the return on invested funds will be reinvested, and the other one-half will be used as directed by the Trustees (Executive Council). These gifts are not deductible for income tax purposes. Unrestricted gifts will be used in the operation or promotion of Theta Tau Fraternity as directed by the Trustees.

No minimum amount has been set, and all gifts are welcome.

BEQUESTS TO THETA TAU

Bequests to Theta Tau may be made using the following suggested form:

"I give, devise, and bequeath to Theta Tau, national professional engineering fraternity, with its Central Office located at 13 Sona Lane, St. Louis, Missouri 63141, \$..... (or 'the following described property, or securities'), as an unrestricted gift (or 'as a contribution to its Founders' Memorial Fund')."



The Gear of Theta Tau

SPRING 1973

VOLUME LXI NUMBER 2

JAMES M. WALTER, *Editor-in-Chief*
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MENASHA, WISCONSIN 54952

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COVER—Grand Regent George G. Dodd is installed into office.

PHOTO CREDITS: Convention coverage—Brothers Bill Rey and Harry Morgan, Jr.; pg. 27; Russell Ray Studio, Nashville, Tenn.; Clifford Norton Studio, Shaker Heights, Ohio; J. J. Clarke Studio, Detroit, Mich.

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THE CHARLES W. BRITZIUS CONVENTION

One hundred thirty-six student members and alumni assembled December 27-30 for the Twenty-Ninth Biennial Theta Tau Convention. Hosted by Lambda Beta Chapter, Tennessee Technological University at Cookeville, the formal and informal Convention sessions were conducted in the Hilton Airport Inn, Nashville. Four Past Grand Regents, Brothers Ralph W. Nusser, Charles W. Britzius (Grand Treasurer), William K. Rey (Grand Marshal), and C. Ramond Hanes (Delegate-at-Large) were in attendance. The Convention schedule was pleasantly expanded with a cocktail party hosted by Brother John Jadwick, *Iota '50*, at his home in Nashville.

Prior to the official opening of the convention at the Opening Dinner Wednesday evening, December 27th, the Chapter delegates set up displays, registered, and were interviewed by a credentials committee. Two seminars were also conducted. Grand Regent Charles E. Wales, *Epsilon Beta '53*, led the group in a guided design approach to the topic "Designing a Fraternity Chapter." Brother Wales has pioneered this approach to engineering education and has received several awards for his work. The second seminar was "Conducting Convention Business" led by Grand Inner Guard John M. Dealy, *Zeta '58*. This informative review of parliamentary procedure enhanced the ensuing sessions of the Convention.

The Opening Dinner was led off with the invocation by Brother Bill Griggs,

Lambda Beta '74, member of the Host Committee. Toastmaster was Grand Inner Guard Dealy. Guest Speaker was Dean James Seay Brown, College of Engineering, Tennessee Tech, who welcomed the Convention and reflected the establishment of Lambda Beta Chapter and the esteem he has for the values of Theta Tau because of his association with that Chapter. The dinner was concluded with a rush slide presentation used by Kappa Beta presented by Brother Joe Ewing.

First Convention Session

At the First Convention Session the Executive Council members, GEAR Editor, and Regional Directors presented their official reports to the Convention. Brother Stuart E. White, representing the Houston Alumni Club, reported to the Convention that a petition for chartering this organization as an alumni association was being presented to the Executive Council. The petition was later approved by the Council. The first session was adjourned and the student delegates and alternates moved into committee meetings which lasted far into the evening.

Thursday morning began with Officer Workshop Breakfasts. Following a presentation by Brother Leonard Smith, III, Pi Chapter on "Money Making Projects," the responsibilities of the individual offices were discussed and reviewed with the various officers.

The Second Convention Session consisted

DEC. 27-30, 1972

NASHVILLE, TENNESSEE



of reports from three committees: Alumni Affairs, Chapter Liaison, and Discipline. It was recommended that the Central Office provide the chapters with lists of area alumni to aid in establishing alumni clubs; that chapter visitation by national officers be continued and increased; that stronger chapters visit other chapters; and that each Regent name one man to be the direct contact for the Regional Director. Charters for Theta, Zeta Beta, and Theta Beta Chapters were revoked as no active Theta Tau interest exists at their schools. The Grand Chapter Memorial Service was then held. Following, Regional Luncheons were held with the Regional Directors meeting with the student members from their respective regions.

Following the luncheon, a "Leadership Development Seminar" was conducted by Grand Vice Regent George G. Dodd. The Third Convention Session followed with reports by the History, Professional Development, and Schrader Award Committees. A recommendation was made that work proceed on the Theta Tau history. Several changes were adopted by the Convention on Schrader Award Scoring.

There was no scheduled dinner Thursday evening as Convention goers were left to their own resources. A bowling competition was arranged by the host committee. After the competition, the keggers joined the other members at the cocktail party. After the party all returned to the Convention motel to continue committee meetings.

As usual, the Executive Council met late into the evening.

Friday Sessions

Friday morning began with a Buffet Breakfast. A presentation was made by Xi Chapter's Brad Bennett, substituting for delegate Jerry Rood who was stricken with appendicitis early in the Convention, on Xi's work with a group of interested men at the University of Wisconsin-Platteville to form a Theta Tau Colony. Following breakfast, the Fourth Convention Session opened. Reports were given by the Colony, Eligibility, Regional Conferences, and Constitution Committees. Significant discussion was held on the issue of allowing women into membership, an issue which all fraternities are facing due to restrictions and interpretations of law by educational institutions. No action was taken. Fall, 1973 Regional Conference dates and host chapters were established. The session adjourned just before 10:00 a.m. and the Convention members assembled for a guided tour of Nashville.

The main point of interest of the tour was the Ryman Auditorium, home of "The Grand Ole Opry," where the official Convention photograph was taken. Other points of interest included the full scale replica of the Parthenon and some of the historic Civil War monuments in the Nashville area.

The tour ended back at the Convention Headquarters with a buffet luncheon. The



chapter presentation following the luncheon was a report by Brother Tom Herman, *Delta Beta*, on the Chapter's community service project to establish a recycling center; the resulting local and regional news coverage given the project; and the growth of the effort into a University of Louisville Recycling Center.

The Fifth Convention Session featured reports by the Insignia, Publications, and Long Range Planning Committees. A Little Sister Pin was discussed but the proposed design was rejected. The Publications Committee recommended an annual readership survey be conducted by the Board of Editors. Significant discussion on the role of interim committees led to recommendations in that area. Following the session a Ritual workshop was conducted and a model initiation was enacted.

The Convention Reception and Banquet for members and their ladies were held Friday evening. Grand Marshal William K. Rey, *Mu '45*, was toastmaster for the banquet. The invocation was given by Grand Vice Regent George G. Dodd, *Zeta '60*. Following the meal, remarks were given by the Past Grand Regents in attendance, Ralph W. Nusser, *Zeta '28* (1946-1948); Grand Treasurer Charles W. Britzius, *Alpha '33* (1958-1962); Grand Marshal William K. Rey, *Mu '45* (1962-1966); and Delegate-at-Large C. Ramond Hanes, *Sigma '24* (1966-1968). The award presentations were then made.

The award for the Outstanding Student Chapter for the Past Biennium, the Erich J. Schrader Award named after the Fraternity's principal Founder, was presented for the second successive biennium to Lambda Beta Chapter, Tennessee Technological University. Other awards given include Best Newsletter—Lambda Beta Chapter; Best Display—Phi Chapter, Purdue Univer-

sity; Best Presentation—Delta Beta Chapter, University of Louisville; and Outstanding Delegate to the Convention—Thomas R. Herman, Delta Beta Chapter.



Tom Herman, Delta Beta delegate, was given the Outstanding Delegate Award by fellow delegates.

Special awards for the inter-regional bowling competition went to the Southern Region team composed of Steve Williams, Chris King, and Don Williams—*Lambda Beta*; Chuck Pierce—*Kappa Beta*, Mississippi State University; and Dave Trent—*Zeta*, University of Kansas. Chris King received the award for the highest individual score.

The address at the Banquet was given by outgoing Grand Regent Charles E. Wales, *Epsilon Beta '53*. His speech was entitled

OPPOSITE PAGE—TOP TO BOTTOM, LEFT TO RIGHT: Convention delegates are welcomed as they arrive; The Theta Tau flag flies at half mast alongside the U.S. and Tennessee flags; Mickey Willoughby and Ralph Freedle of host Lambda Beta register delegates; Dean Seay Brown speaking at opening dinner; Outgoing Grand Regent Charles Wales assembling material for a Convention session; Past Grand Regent Ralph Nusser; Highlight of the Nashville bus tour, the "Grand Ole Opry"; Western Regional Luncheon.



FRONT ROW (kneeling): G. Lewis, J. Bidnick, H. Overbey, B. Sprague, L. Uitenham, L. Powell, P. Leibowitz, G. Clark; **SECOND ROW**: J. Robinson, W. K. Rey, R. Cox, J. M. Dealy, L. Smith, III, R. E. Pope, C. E. Wales, R. W. Nusser, G. G. Dodd, C. W. Britzius, C. R. Hanes, J. W. Bradley, R. H. Wales, J. M. Walter; **THIRD ROW**: C. King, M. Beard, A. Henry, B. Griggs, H. Kellman, J. Cordner, S. Wiseman, S. Robertson, J. Latta, J. LaMontagne, G. Aldrich, C. Mortonson, E. Kern, Jr.; **FOURTH ROW**: J. Watson, J. Sevcik, C. Pierce, J. Ewing, H. Garretson, III, T. Freeman, F. O'Bannon, V. Walters, S. Williams, P. Harter, N. Stewart, S. Austin, R. Gardner, G. Humenik; **FIFTH ROW**: M. Kassing, J. Dreher, R. Nelson, M. Nowak, P. Lehman, P. Burns, M. Willoughby, R. Stanfield, D. Richardson, B. Bennett, C. Nash, R. Holdaway, D. Lolley, M. Opitz; **SIXTH ROW**: S. Hotchkiss, J. Kurtz, J. Sliz, R. Lindsey, G. Munson, L. Harkins, R. Firth, A. Batts, D. Humbel, B. Grant; **SEVENTH ROW**: R. Weishaupt, V. Bolterstein, D. Quiett, S. Rochelle, J. Bowen, D. Duncan, R. Woods, R. Bowman, T. Heinrichs, T. Herman.

"Man, Machines, and Education" and employed the guided design approach presented in an earlier seminar session. Members and their ladies alike enjoyed the lighthearted yet educational approach demonstrating the general appeal of guided design. Members of Committees with reports filed relaxed following the Banquet, but others still had Convention work to complete.

Final Convention Session

Following a buffet breakfast on Saturday morning, the Sixth Convention Session

opened. Reports were given by the Budget, Convention Planning, Expense Accounts, Ritual Revision, Nominating, and Resolution Committees; and second reports from the Schrader Award, Eligibility, and Constitution and Bylaws Committees in a filled session which lasted until 12:45 P.M.

The proposed budget was adopted after amending the Bylaws to increase the semi-annual dues from \$12 to \$14 with \$1 discount still allowed for timely payment. This was the first increase in fees or dues since 1968.

A new Fraternity award to be known as

the "Founders' Award" was adopted, to be presented biennially to the chapter scoring the greatest increase in Schrader Award points.

The Convention amended the Constitution to add the immediate Past Grand Regent (the Convention's Delegate-at-Large) to the Executive Council and made him responsible for the alumni relations of the Fraternity.

Only two Executive Council positions were contested. Those elected were George G. Dodd, *Zeta* '60, Grand Regent; John M. Dealy, *Zeta* '58, Grand Vice-Regent; Robert E. Pope, *Zeta* '52, Grand Scribe; Charles W. Britzius, *Alpha* '33, Grand Treasurer; Fred E. Armstrong, Jr., *Mu* '61, Grand Marshal; Allan Hribar, *Phi* '65, Grand Inner Guard; Stephen Barth, *Lambda Beta* '67, Grand Outer Guard; and Thomas R. Herman, *Delta Beta* '73, Student Member. Brother Charles E. Wales, *Epsilon Beta* '53, remains on the Council as Past Grand Regent.

The Convention adopted appropriate resolutions of thanks and concern, and one honoring Brother Britzius by naming this Convention the Charles W. Britzius Convention.

Newly elected members of the Executive Council who were present were then in-



Past Grand Regent and present Grand Treasurer Charles W. Britzius, honored with the naming of the Convention after him, reporting to the Convention.

stalled into office, and the Convention adjourned.

Some members were able to remain and to accept the host chapter's invitation to take a tour to Cookeville to visit Tennessee Tech and the Lambda Beta house. Saturday evening a number of Theta Taus attended "The Grand Ole Opry" before heading home from the Convention with increased enthusiasm for Theta Tau.



Tommy Freeman, Tennessee Tech Delegate, accepts the Schrader Award, given the outstanding Chapter each biennium, from Grand Inner Guard Dealy. The award for the Best Display went to Phi Chapter.



This Corresponding Secretaries breakfast meeting was one of the Chapter Officer Workshops held. Typical of the numerous committee meetings held between Convention sessions is this late night gathering.

Action Taken at the Convention

- The Convention was named the Charles W. Britzius Convention in recognition of the contributions of Past Grand Regent and present Grand Treasurer Brother Charles W. Britzius.
- The Houston Alumni Club was granted Alumni Association Status by the Executive Council.
- Significant discussion was held on opening membership to women and eliminating the unanimous vote for membership.
- Charters for chapters at Columbia University, Utah State, and the University of Washington were revoked until active interest is revived on those campuses.
- 1973 Regional Conference sites and dates were established.
- The Erich J. Schrader Award for the Outstanding Student Chapter for the past biennium was presented for the second successive biennium to Lambda Beta Chapter.



The break between sessions provides an opportunity for interplay so valuable to the Convention business. Bowling competition set up by the Host Chapter gave an opportunity for social interaction.



the Grand Regent speaks

Theta Tau and Life

BY GEORGE G. DODD

Once upon a time, there were people who were called "Greeks." Greeks were everywhere. They were big shots, ruled over all, dominated campus social and political life, and looked down upon those who were not Greek. And the freshman came and said, "I want to be a Greek, so that I can be 'in' and important and have status."

But that was once upon a time, fortunately. There are still Greeks, but they are not big shots, do not rule over all, do not . . . And the freshman comes and says, "I want to be an individual."

How can one maintain individuality, as a part of mass society where records are stored by the thousands on magnetic tapes, where tests are graded by a mass of electronic gadgetry, and where names are only an incidental printout that happens to coincide with a computer number? The answer, of course, is that you cannot be an individual completely no matter how you slice the cake.

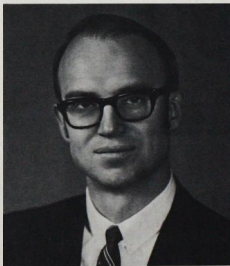
In a fraternity, each person is a unique individual. He is known by his name and by what he is, and not by number. And this is true in Theta Tau.

Theta Tau plays an important part in the life of the engineering student. Its interdisciplinary approach to professionalism allows our brothers to learn not only about their specialty but how engineering principles are used in other disciplines. In Theta Tau we learn to respect the rights and privileges of our brothers, just as they must accept the ideals of community and cooperation as our total means of strength and support.

Unity and diversity existing side-by-side is the most salient feature of Theta Taus.

You will find political conservatives and bigots; "middle of the roaders" and members of the silent majority; an assortment of religions with belief ranging from apathetic to devout; the list is endless.

The major part of the Theta Tau experience is an expanding of self as an educational enrichment. Theta Taus are not only



Grand Regent Dr. George Dodd, Kansas '60

campus leaders; they also work in a health care center and have Christmas parties for underprivileged children, or are responsible for managing and financing a Chapter house.

As Zeta Chapter Regent Mark Lesh put it, "Theta Tau is a classroom and the subject is life." Enhancing this experience is a goal for our Fraternity.



Omicron Initiates Two Honorary Members

On February 3, 1973, in conjunction with Omicron Chapter's celebration of their 50th Anniversary, two honorary members were initiated into the Fraternity. Dr. JOHN S. RAMBERG and Dr. LANE H. MASHAW, both Associate Professors at the University of Iowa, were elected to membership by Omicron alumni.

Dr. Ramberg, a native of Stillwater, Minnesota, is an Associate Professor of Industrial and Management Engineering at the University of Iowa. He received his Bachelor of Electrical Engineering from the University of Minnesota in 1961. During his last two years of undergraduate education he worked for Honeywell Inc. as a Quality Control Engineer, then upon graduation he took a position with Procter and Gamble in Cincinnati, Ohio.

In 1963 he began a graduate school program at Cornell University in Ithaca, New York and received his M.S. in 1966. He continued toward a Ph.D. which he received in 1969. In 1968 he accepted a teaching position at the University of Iowa. As evidenced by his graduate degrees, his interests lie primarily in the areas of decision theory, econometrics, applied statistics and simulation.

In the classroom, Dr. Ramberg relates easily to his students and brings to them his experience with recent industrial problems. He is a member of the American Statistical Association, The Institute of Mathematical Statistics, The American Society for Quality Control, The Biometrics Society and

Sigma Xi, an honorary fraternity.

Dr. Mashaw, a native of Lewisville, Arkansas, is currently an Associate Professor of Civil Engineering at the University of Iowa. He received his B.S. in Civil Engineering from the University of Illinois in 1946 and his M.S. in Civil Engineering from the University of Iowa in 1966. Since his graduation from Illinois, he has had considerable experience in the field of Public Works Engineering: 1946-48, Assistant City Engineer in Champaign, Illinois; 1948-57, associated with the Consulting Firm of Warren and Van Praag, Inc., Decatur, Illinois; 1957-60, City Engineer in Rockford, Illinois; 1960-64, Public Works Director in Iowa City, Iowa. Since 1964 he has been a member of the Civil Engineering faculty at the University of Iowa.

Brother Mashaw, a Professional Engineer registered in both Iowa and Illinois, is also a registered Land Surveyor in Iowa. In the classroom he is a dynamic educator, easily relating his experiences to the ever changing curriculum of engineering education and engineering challenges of the future. His interests in this area are evidenced by a few of his publications such as *Public Relations—A Self Analysis*, *The Civil Engineering Student Views Public Works*, and *Consulting and the Senior Civil*. He is a member of the American Society of Civil Engineers, the American Society for Engineering Education, the American Public Works Association and *Chi Epsilon*, an honorary Civil Engineering fraternity.

Crotts to Receive Honor

MARCUS B. CROTTS, *North Carolina State '53*, of Crotts & Saunders Engineering, Inc., Winston-Salem, North Carolina, will be awarded the 1973 "Award of Merit" from the Society of Manufacturing Engineers.

The wording on the award reads, "Conferred in recognition of valued balanced contributions to the Society's professional activities and growth. . . ." Brother Crotts is a certified manufacturing engineer, and a licensed registered professional engineer in the states of North Carolina, South Carolina, and Virginia. He has written papers in the fields of dimensional metrology and metric conversion.



Marcus B. Crotts

Alumni Notes

MINNESOTA

Alpha

PHILIP F. HARTMAN, '25, is a Consulting Engineer and lives in Tucson, Ariz.

KENNETH R. JOHNSON, '34, is the Chief Engineer for Southern Peru Copper Corp., Toquepala, Peru.

ROBERT W. ROSENE, '45, is a Consulting Engineer with Bonestroo, Rosene, Anderlik, St. Paul, Minn.

JAMES E. SCHELSKI, '48, lives in Cochenour, Ontario and is Superintendent of Mining, Griffith Mine, Pickands Mather and Co., Cleveland, Ohio.

EARL G. ANGELL, '51, is a Regional Engineer with The Asphalt Institute, Minneapolis, Minn.

RICHARD E. SWENSON, '55, is a Control Engineer with the Minnesota Power and Light Co., Duluth, Minn.

MICHIGAN TECH

Beta

WILLIAM A. BECK, '22, has retired and is living in Augusta, Ga.

S. T. "WALLY" WALZ, '33, is a Commercial Vice-President with Square D Co., S.E. Region, Atlanta, Ga.

DR. DAVID H. BURGER, '46, has recently been ap-

pointed Economist to the Navajo Nation. He is living in Chinle, Ariz.

JOSEPH M. POST, '50, is the Vice-President of Sales, the Roberts Corp., Lansing, Mich.

JOHN H. BAYKO, '57, is employed with White, Horsford & Impey, Ltd. and resides in Whitehorse, Yukon Territory, Canada.

KENNETH J. LUTZ, '65, is a Regional Director with Bestline Prod., Inc., San Jose, Calif. He lives in Elyria, Ohio.

WOODROW W. WILSON, JR., '67, is a Manufacturing Systems Analyst with Ford Motor Co.-Michigan Casting Center, Flat Rock, Mich. He resides in Dearborn Heights.

COLORADO MINES

Gamma

GEORGE F. BRANIGAN, Hon. '27, was elected by acclamation to the "Order of the Unicorn"—the highest honor which Theta Xi can bestow upon its members.

JOHN L. ROBISON, '31, has retired as Senior Vice-President, Home-Stake Production Co., and is now a Mining Consultant. He lives in Tucson, Ariz.

W. R. SCHIELE, '41, is the General Manager of Dupont SA de CV, and lives in Mexico.

TERRY L. CAMPBELL, '64, has been elected an Oklahoma State Representative from District 100. He now resides in Bethany.

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CASE-WESTERN RESERVE

Delta

GRAY L. CHESNEY, '19, is retired and living in Shaker Heights, Ohio.

R. A. McDOWELL, '21, lives in Cincinnati, Ohio.

JOHN O. GEISSBUHLER, '35, lives in Lyndhurst, Ohio.

ROBERT C. BLACKMAN, '36, is a Manufacturing Manager-Transmissions, Detroit Diesel, Allison Div. of General Motors. He resides in Indianapolis, Ind.

JACK M. YOUNG, '43, is Corporate Patent Counsel for ATO, Inc., Willoughby, Ohio. He lives in Cleveland Heights.

H. W. MERRITT, '46, is a Director of Special Projects, U.S. Dept. of Transportation, Washington, D.C. He resides in Arlington, Va.

PAUL C. MENSTER, '48, is a Consulting Engineer in Cleveland, Ohio. He lives in Lyndhurst.

JOSEPH L. BOGAR, '52, lives in Utica, N.Y.

JOHN MURPHY, '55, is the Manager of Manufacturing, The Owen Bucket Co., Cleveland, Ohio. He resides in University Heights.

NORMAN H. GABER, '57, is a self-employed Consultant with OSI Associates, Columbus, Ohio.

RICHARD M. MYERS, '66, is employed by Texas Instruments and lives in University Heights, Ohio.

JAMES S. MORRIS, '68, is attending Georgia Tech.

MARTIN NUETZEL, '69, is a Project Engineer with ESB, Inc., Cleveland, Ohio.

ALAN M. HELMINK, '70, is an Associate Engineer with Bailey Meter Co., Wickliffe, Ohio. He lives in Rocky River.

BRUCE M. COOK, '71, is an Associate Engineer with Westinghouse Electric Co., Nuclear Energy Systems Div., and lives in Montroeville, Pa.

RAYMOND C. HASERODT, '72, resides in Novelty, Ohio and is an Engineer with Haserodt Machine and Tool, Inc., Cleveland.

EDWARD J. TATMAN, '72, is a Project Engineer with S & C Electric Co., Chicago, Ill.

CALIFORNIA (BERKELEY)

Epsilon

ALFRED LIVINGSTON, JR., '20, is the Chairman of the

Earth Science Dept., Los Angeles City College. He lives in Olympia, Wash. and celebrated his 50th wedding anniversary this past year.

W. G. DONALDSON, '24, lives in Berkeley, Calif.

RALPH A. MCGOEY, '27, lives in Bakersfield, Calif.

CORNELIUS K. HAM, '31, is the Resident Manager for Latin America, Merrill, Ogle, Babson & Wallis, Inc., Santa Barbara, Calif. He resides in Lima, Peru.

GARY C. BURNHAM, '66, lives in Trafford, Pa. He is Supervisor, Quality Assurance for Heavy Reactor Plant Equipment, Westinghouse Electric Corp., Pittsburgh.

KANSAS

Zeta

C. C. FLETCHER, '16, is President, C. C. Fletcher Mortgage Co., Cincinnati, Ohio.

PAUL ENDACOTT, '23, is retired and living in Bartlesville, Okla.

ROBERT G. PAULETTE, '41, is a Vice-President and Project Manager with Stanley Consultants, Muscatine, Iowa.

IVA L. HENMAN, '56, is a District Superintendent with BP Oil Corp., Ephrata, Pa.

BENNY A. ANDERSON, '57, is an Assistant Project Engineer with Pratt & Whitney Aircraft, East Hartford, Conn. He resides in East Hampton.

TIMOTHY C. LIEBERT, '72, is a graduate student in Chemical Engineering at the University of Cincinnati.

CARL M. SHAAD, '72, is a Field Service Engineer with Kustom Electronics, Inc., Chanute, Kansas.

COLUMBIA

Theta

G. LESTER JONES, '22, is a self-employed Consultant living in Marne, Mich.

THEODORE BAUMEISTER, '22, is listed in *Who's Who in America*. He lives in Yongs Island, S.C.

R. A. BORNFRIEND, '66, lives in Ridgefield, Conn.

JEFFREY M. FRANKLIN, '68, has been promoted to Director, Special Projects, Office of Project Management, Human Resources Administration, City of New York. He recently had an article published in the State Government Administration magazine.

MISSOURI AT ROLLA

Iota

DONNELL W. DUTTON, '35, is a Professor of Aerospace Engineering at the Georgia Institute of Technology.

JOHN R. McCLOSKEY, '38, is an Area Manager for Hercules, Inc., Joplin, Mo.

W. H. SCHWALBERT, '36, is a District Vice-President with Toledo Edison, Toledo, Ohio.

W. E. CROCKETT, '41, is a self-employed Ceramic Engineer. He lives in Findlay, Ohio.

DONALD G. SCHMIDT, '48, is a Metal Casting Consultant for R. Lavin and Sons, Inc., Chicago. He resides in Hinsdale, Ill.

JACK D. FOSTER, '49, lives in Midland, Texas.

WILLIAM W. COLLINS, '50, is a Vice-President of the First National City Bank of New York. He resides in Metuchen, N.J.

RICHARD J. STEGEMEIER, '50, is a Vice-President and General Manager, Union Oil Co. of Calif. His mailing address is Singapore.

S. DEAN SHOPHER, '51, is the President, Interhemisphere Trading Inc., Greenbrae, Calif.

RICHARD H. STEVENS, '54, lives in New Kensington, Pa.

DR. THOMAS K. GAYLORD, '63, has moved to Atlanta, Ga.

BILL KIRCHOFF, '64, lives in St. Louis, Mo.

RICHARD VEDDER, '66, is a Project Engineer with Sverdrup & Parcel, St. Louis, Mo. He resides in Dellwood.

JOHN E. MUNSEY, '67, works in Material and Process Programs for General Electric Co., Evendale, Ohio. He makes his home in Cincinnati.

ILLINOIS

Kappa

CLARENCE H. ELDER, '25, is retired and living in Chestertown, Ind.

FREDERICK W. MAST, '33, is the President and Chairman of the Board, Jens Olesen & Sons Construction Co., Waterloo, Iowa.

UTAH

Lambda

ROBERT R. CLEMONS, '67, lives in Fairborn, Ohio.

ALABAMA

Mu

CHARLES F. BOOTH, '21, is the owner of C. F. Booth Consulting Engineer and Research Advisor, Elmore, Ala.

J. HAROLD WITHERSPOON, '24, is the Chief Engineer for The Central Foundry Co., Holt, Ala. He resides in Tuscaloosa.

JAMES O. BIDDLE, '37, is an Assistant Vice-President-Engineering with Ledbetter Brothers, Inc., Rome, Ga.

BOB O. WILSON, '58, is Principal Systems Analyst for Teledyne Brown Engineering, Huntsville, Ala.

CARNEGIE TECH

Nu

MAXWELL SCRIMGEOUR, '26, is President of Ramsey Development Co., and Trustee of the Scrimgeour Trust. He resides in Silver Spring, Md.

JOHN W. LUOMA, '29, has retired from Blaw Knox Co. and is living in East Chicago, Ind.

WALTER F. APPELEGATE, '36, lives in Wilmington, Del.

ORVILLE C. FAY, '38, is a Laboratory Group Leader for Chrysler Corp., Highland Park, Mich. He lives in Ypsilanti.

WISCONSIN

Xi

GERALD J. BIZJAK, '65, is a Sanitary Project Engineer with Becher-Hoppe Engineers, Inc., Schofield, Wis. He lives in Wausau.

DONALD F. STRUCKMEYER, '65, is a Bridge Design Engineer with the Wisconsin Dept. of Transportation. He resides in Cottage Grove.

ROBERT L. SCHOEN, '71, is an Associate Engineer with IBM, Rochester, Minn.

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KENNETH P. LIESENER, '72, is a Project Engineer with Kohler Co., Kohler, Wis. His mailing address is Sheboygan.

MICHAEL V. McCOMBIE, '72, is employed in Engineering Sales with Fred W. Kramer & Assoc., Elk Grove Village, Ill.

IOWA

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OHIO STATE

Sigma

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Tau

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Upsilon

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Chi

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MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY

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SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY

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THE GEAR OF THETA TAU

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THE GEORGE WASHINGTON UNIVERSITY

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UNIVERSITY OF LOUISVILLE

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WAYNE STATE UNIVERSITY

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UNIVERSITY OF DETROIT

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MISSISSIPPI STATE UNIVERSITY

Kappa Beta

CAPT. CLIFTON E. GROVES, '69, recently returned from an overseas tour in Southwest Asia flying A-1 fighter-bombers. He is currently an instructor in basic undergraduate pilot training at Laughlin AFB, Texas.

ROGER C. OBYE, '71, is an Engineer with Pratt & Whitney, East Hartford, Conn. He resides in Manchester.

TENNESSEE TECHNOLOGY UNIVERSITY

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W. MICHAEL HAIRSTON, '70, is a Materials Engineer with the U.S. Naval Weapons Lab, Dahlgren, Va. He makes his home in Fredericksburg.

MICHEY V. PHIPPS, '71, is currently residing in Morristown, Tenn.

GENERAL MOTORS INSTITUTE

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WINSTON C. WILDER, '68, is a Project Engineer with Delco Products, Kettering, Ohio.

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TERRY L. MARQUIS, '70, resides in Lakewood, Ohio. He is a Production Engineer with Fisher Body, Elyria.

THOMAS P. MIKOY, '70, makes his home in Elyria, Ohio, and is a Manufacturing Supervisor for Fisher Body Div., General Motors.

Havard Selected for Special Missions Wing

Captain James C. Havard, *North Carolina State* '69, has been transferred to the 89th Military Airlift Wing of Andrews Air Force Base, Washington, D.C. This Special Missions Wing of the Military Airlift Command operates missions with an Air Force fleet including the planes "The Spirit of '76" and "Air Force One" with the primary mission to provide incomparable quality airlift for the President of the United States.

Brother Havard is serving as the Executive Officer to the Chief of Maintenance for the Wing. His selection came after volunteering and meeting the stringent requirements for assignment to the unit. Prior to transfer he served three years at Dover AFB, Delaware with duties including aircraft command supervision on military airlift command C-141A and C-5A aircraft.



USAF Capt. James C. Havard, *North Carolina State* '69, has the distinction of serving in the Wing which provides airlift for the President of the U.S.

While at Dover AFB, Brother Havard attended courses on Maintenance Management and Logistics Management at the Air Force Institute of Technology; National Security Management at the Industrial College of the Armed Forces; and Aircraft/Avionics Maintenance Staff Officer Course at Lowery AFB.

The 89th provides air transportation for high ranking U.S. Government officials and foreign dignitaries. A sampling of Wing passenger lists reads like an international Who's Who. Richard M. Nixon is the sixth President of the United States to utilize military airlift, a tradition started by the late President Franklin D. Roosevelt.

Walter New GEAR Editor

James M. Walter, *Purdue '68*, is the new Editor of *THE GEAR* of Theta Tau, having begun his service to the Fraternity effective with the Fall, 1972 issue. He previously had been on the Board of Editors under past Editor Brother Garn Hatch.

Brother Walter is a Project Manager with Kimberly-Clark Corp., Neenah, Wisconsin, and lives in nearby Menasha. With the change in editors, *THE GEAR* is now being published by the George Banta Co., Menasha, Wisconsin, a firm long known for its work in the fraternity field.

Receiving his Bachelor's and Master's Degrees in Industrial Engineering at Purdue, Brother Walter held many of the Chapter offices, including Regent of Phi Chapter. He served as Chapter delegate to the 1966 National Convention and, at the Convention, accepted the Eric J. Schrader award for that Chapter. At Purdue he met his wife, Sue, and they were married in the summer of 1968. Sue Walter now serves as Secretary to the Editor and meets the demands of maintaining the office files and typing the copy for each issue of *THE GEAR*, in addition to her professional career as a Speech and Hearing Therapist.

Brother Walter began his professional career with Kimberly-Clark as an Industrial Engineer. In 1971 he was named Project Manager for expansion work at

the Neenah Mill. He is also the President of the Purdue-Fox River Valley Alumni Club and Past-President and a member of the St. John Parochial Grade School Board of Education. He has published a paper presented at the National American Institute of Industrial Engineers Convention dealing with the scheduling of parallel processors. His activities and hobbies include high school religion instruction, basketball, tennis, fishing, and water skiing.



Brother James M. Walter, *Purdue '68*, has been appointed *GEAR* Editor. His wife, Susan, will handle the associated *GEAR* filing and secretarial duties.



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 Leonard C. Wolff, Iota '42
 Felix T. Wormser, Theta '16
 Lee R. Young, Jr., Gamma Beta '67
 Stephen M. Zapp, Chi '64

Elwin L. Vinal, Founder,
 In Memory of William M. Lewis, Founder
 Mrs. William J. Gremmels,
 In Memory of William J. Gremmels, Omega '37

Frank M. Stauble, Jr., Delta Beta '69
 Thomas S. Tarry, Jr., Lambda Beta '67
 Lambda Beta Chapter
 In Memory of Elwin L. Vinal, Founder

ED. NOTE: The names of all members who contributed during the past biennium when no GEAR was published will be published in this and the next issue.



Additions to Membership

ALPHA CHAPTER

- 833 Thomas Peachey Williams '74, Taconite, Minn.
834 Robert Edward Nelson '75, Stanton, Minn.
835 Allan John Berkner '74, Sleepy Eye, Minn.
836 David William Barker '75, River Falls, Wis.
837 Jeff Allan Cary '76, Menahga, Minn.
838 Michael Eugene Cooley '76, Elk River, Minn.
839 James Henry Krause '76, Janesville, Minn.
840 Douglas Jerome Leu '76, Anoka, Minn.
841 Gerald Eugene Weinzetl, Jr. '76, Lynd, Minn.
842 Robert Steven Paul '74, Minneapolis, Minn.

BETA CHAPTER

- 1053 Thomas William Carlson '73, Kingsford, Mich.
1054 Clare John Bleau '73, Marysville, Mich.
1055 Alan Stanley Chisek '74, Eau Claire, Mich.
1056 James Joseph Botz '74, Saginaw, Mich.
1057 Keith Douglas Morrison '74, Elk Rapids, Mich.
1058 Gerald Eugene Guzowski '74, Garden City, Mich.
1059 Michael Alan Horan '74, Muskegon, Mich.
1060 James Herbert Nahrgang '74, Ontario, Canada
1061 Glenn Stuart Benson '73, Walpole, Mass.
1062 Paul David Ross Acker '74, Williamsburg, Mich.
1063 Charles Joseph McEwan '74, Wyandotte, Mich.
1064 William Perry Ferrington '73, East Detroit, Mich.

DELTA CHAPTER

- 1181 Gary Arris Derian '74, Cleveland, Ohio
1182 Harvey Zey Roth '74, Beachwood, Ohio
1183 Thomas Victor Schulte '74, Woodville, Ohio

EPSILON CHAPTER

- 887 James Christopher Dodge '75, Walnut Creek, Calif.
888 Gerald Michael Serventi '75, Concord, Calif.
889 Robert Marino Duchi '75, Concord, Calif.

ZETA CHAPTER

- 752 Michael Bruce Overbey '75, Overland Park, Kan.
753 John Lee Burnett '75, St. Paul, Kan.

MU CHAPTER

- 992 Raymond Douglas Gober '74, Birmingham, Ala.
993 Thomas Eugene Bryan '74, Anniston, Ala.
994 Dennis James Colley '74, Fairfield, Ala.
995 James Luttrell Wright, Jr., '73, Prichard, Ala.
996 Carl Ritchey Canada '73, Talladega, Ala.
997 Frank Charles DiMichale '74, Stamford, Conn.
998 James Oliver Harrel '74, Quinton, Ala.
999 Mark Percy Hinton '75, Tuscaloosa, Ala.
1000 Thomas Andrew Stewart '74, Century, Fla.
1001 John Keith Hogan '74, Tuscaloosa, Ala.
1002 Robert Douglas Jenkins '73, Fordyce, Ariz.
1003 Sydney Minturn Leach '74, Tuscaloosa, Ala.
1004 Thomas Christian Lomenick '74, Sheffield, Ala.
1005 James Royce Maner '73, Decatur, Ala.
1006 David Terry Mills '75, Tuscaloosa, Ala.
1007 Edward Lawrence Murray '74, Irvington, Ala.
1008 William Sandys Stimpson '74, Mobile, Ala.
1009 Steve Mark Tesney '74, Tuscaloosa, Ala.
1010 Ronald Stephen Wallace '74, Birmingham, Ala.

OMICRON CHAPTER

- 824 Harry George Bolton, Jr., '75, Solon, Iowa
825 Frank Seymour Larson '74, Fort Dodge, Iowa
826 Robert Dale Parker '75, North Liberty, Iowa
827 Richard Allen Rummelhart '76, Iowa City, Iowa
828 Craig Allen Wiegel '74, Bettendorf, Iowa

RHO CHAPTER

- 812 William Cunningham, Jr. '75, Rutherfordton, N.C.
813 John Sparkman Dilday, Jr. '75, Durham, N.C.
814 Robert Daniel Latta '75, Durham, N.C.
815 Robert Marx '74, Charlotte, N.C.

THE GEAR OF THETA TAU

- 816 John Robert Canada '57, Raleigh, N.C.
(Honorary)
817 Byard Houck '58, Raleigh, N.C. (Honorary)

SIGMA CHAPTER

- 661 Harold Dean Bauman, Jr. '75, Worthington, Ohio
662 Daniel Joseph McMullen '75, Bradford, Ohio
663 Donald Christopher Richter, Jr. '74, Rochester, N.Y.
664 Larry Lynn Richcreek '74, Columbus, Ohio

TAU CHAPTER

- 722 James Robert Cash '75, Fredonia, N.Y.
723 Bruce Alan Sprague '74, Little Valley, N.Y.

UPSILON CHAPTER

- 780 Walter Lee Coffman '73, Hot Springs, Ark.
781 Grover Curtis Harris '73, Fayetteville, Ark.
782 Gerald Wayne Reed '73, Pine Bluff, Ark.
783 David McConnell Walker '73, Pine Bluff, Ark.
784 William David Kerr '73, Little Rock, Ark.

- 785 Jerry Lynn Criner '73, Falls Church, Va.
786 Brian David Foster '74, Hempstead, Texas

PHI CHAPTER

- 483 Michael John Bailey '75, Littleton, Colo.
484 Douglas Alan Oliver '75, Munster, Ind.
485 Richard Kenneth Owen '75, Seymour, Ind.
486 Keith Alan Schinnerer '74, Fort Wayne, Ind.
487 Thomas Ray Schutt '75, Indianapolis, Ind.
488 Michael Edward Wagner '75, Dayton, Ohio
489 Gary Lee Wallace '75, Lorain, Ohio

CHI CHAPTER

- 797 Sanford Tobin Allen, Jr. '74, Tucson, Ariz.
798 Michael Arnold Carrell '73, Tucson, Ariz.
799 Dennis Wayne Crowe '73, Tucson, Ariz.
800 Peter John Hart, Jr. '73, Tucson, Ariz.
801 Walter Leslie Johnson '75, Phoenix, Ariz.
802 Gary Lee King '74, Tucson, Ariz.
803 Thomas Michael Mclean '74, Tucson, Ariz.
804 Michael Stephen Toepper '73, Tucson, Ariz.

OMEGA CHAPTER

- 767 William Lee Reuter '56, Rapid City, S.D.
(Honorary)

Benefits of Little Sisters

BY TOM GAUDION, PHI '73

"I think being a Little Sister means having a group and a place that I can say I am a part of in some way."

Ask a fraternity Little Sister what she thinks of her Little Sister program and chances are she'll answer something like that. With all of the emphasis on Little Sister programs recently and how houses can benefit from them, it is interesting to hear what the Little Sisters think.

When a girl goes through rush, she generally is not too sure what she is getting into. An easy-going atmosphere created during rush and afterward helps to gently get the rushee involved in house activities. As one Little Sister put it, a rushee "can be herself . . . because she doesn't have to impress the guys." Being mostly freshmen, that is important to the girls. Another Little Sister explains that "knowing someone to say 'hi' to on campus makes a difference in adjusting" to college life.

After initiation many Little Sisters feel a sense of responsibility to "their" house. Their help in rush, planning social events, and just keeping the house in presentable condition is a good indication of their attachment to the Chapter. They help, not because they feel that it is expected of them, but because they want to.

The benefits of a Little Sister program are equally divided between the Little Sisters and Brothers in the Chapter. One girl's comment sums

it up well; "Not only is a Little Sister rewarded by this experience by gaining new Brothers, but the Brothers seem to enjoy having the Little Sisters around." She's right.



Sue Benn and Charlotte Reynolds, Phi Chapter Little Sisters, baking a "treat" for their Brothers.

Ideas on Rushing

BY DONALD G. LORENTZ, OHIO STATE '73

There are many good things going for Theta Tau when it comes to reasons for becoming a member—The first being that it is a National Professional Engineering Fraternity. Second, our chapters are kept small (i.e. not greater than 50 members per chapter), which is used as an asset in "uniting members in a strong bond of fraternal fellowship." It is these two points that make up the main selling points to prospective pledges.

As all rush chairmen know, the initial communication between the rushee and the chapter is of the utmost importance in that it can give the first impression that will last. In many cases, a rushee's opinions of fraternities are formed before he hears about Theta Tau. It should be the purpose of initial communications to state in full the purpose of Theta Tau, thus making an effort to free our fraternity from any publicity that other fraternities have incurred.

Included in Sigma Chapter's traditional communications is the rush party, which has served as a means of introducing the rushee to the fraternity members and to the living conditions in the house. This has had varying degrees of success in obtaining pledges, but generally the party has failed as a

means of communication and introduction. Why? Because the party is not personal enough—a party does not meet the rushee on an individual basis. Furthermore, it is almost impossible for the active member to remember each rushee's name, his interests and his feelings toward Theta Tau after the party.

I propose that our members go out and talk with the rushees at their dorms—recruit these men and talk to them about Theta Tau. This can best be accomplished by sending members in groups of two. In each group, an older member (in membership) should act as the lead-man because he knows the most about the fraternity and its traditions, and a younger member can fill in the details or make asides. Such topics as studies, professors, curriculums, student activities, and social functions can be discussed, with the emphasis on how Theta Tau can get the student engineer involved in all of the above.

We should use our small size to our own advantage; telling the rushee that in Theta Tau everyone knows everyone else. In selling the fraternity, we should tell them that as engineers, we are pledged to help one another in a practical way.

Five Years Ago

Zeta Chapter broke ground for a new \$265,000 house with capacity of 50 to 52 men on October 14, 1967. Construction began in January, 1968. The new house was the result of thirteen years of effort by both members and the Zeta House Corporation Board.

The cover of *THE GEAR* was highlighted by covers of twelve nationally circulated magazines with pictures of outstanding Theta Taus across the country.

A display showing the Theta Tau library containing more than 60 books written or edited by Theta Tau members and contributed by them to the Fraternity was featured in the magazine.

Ten Years Ago

The Paul L. Mercer Convention, held in Louisville, Kentucky, was highlighted by the visit of Founder Lewis, the establishment of a full-time Executive Secretary position, and the approval of petitions from local groups at Washington and Columbia Universities.

Eta Beta Chapter acquired a chapter house at 2308 Calmut, Houston.

Twenty-Five Years Ago

A preliminary version of the Chapter Officers' Manual, as authorized by the previous Convention, was distributed in mimeographed form to the Chapters.

The following "Engineers' Whiskey Test" was noted: "Connect 20,000 volts across a pint. If the current jumps it, the product is poor. If the current causes a precipitation of lye, tin, arsenic, iron, slag, and aluminum, the whiskey is fair. If the whiskey chases the current back to the generator, you've got pretty good whiskey."

Fifty Years Ago

Xi and Omicron Chapters were installed by Grand Regent George D. Louderback, Epsilon '96, bringing the number of student chapters to fourteen.

The petition from the Epsilon Society at the University of Virginia was approved by four-fifths of the Chapters. When installed as Pi Chapter, it became our second Chapter in the South.

The Editor cited two faults of the modern college man: procrastination and ingratitude.



Founder No. 2, Vinal, Dies

Founder No. 2, Elwin LeRoy Vinal, passed away May 17, 1971. As a sophomore in mining engineering at the University of Minnesota, Brother Vinal joined with his roommate, Brother Eric Schrader, and with Brothers Issac Hanks and W. Murray Lewis in founding Theta Tau in 1904. It was he who first proposed the Fraternity's original name, Hammer and Tongs. Later he and Brother Lewis attended Colorado School of Mines.

Brother Vinal was born April 2, 1886, in New Bedford, Massachusetts. His first job was as assayer with the Shawmut Consolidated Copper Company in Colorado. There followed positions with the U.S. Coast and Geodetic Survey in the East, and in Alaska. He located in the Seattle area and established Mercer Island in Lake Washington as his permanent residence in 1909 while working as civil engineer for the Seattle Electric Company.

From 1910 to 1941 he was in private practice as a mining and civil engineer, with varied assignments from California to Alaska, mainly in gold and silver. From World War I to 1920, he was resident engineer for Western Coke and Collieries in opening and developing a coal property east of Seattle. He then took over a sizable real estate development in Bend, Oregon. Beginning again after the Depression, he returned to Mercer Island and over the years developed a beautiful place with a comfortable, fully equipped home built

principally with his own hands as a hobby.

He opened a consulting office and later joined the engineering staff of The Austin Company which had a contract covering engineering and construction of Naval Shore Establishments in the 13th Naval District (Washington, Oregon, Montana, and Idaho). In 1943, he returned to government Civil Service in the Navy (Public Works-Design Division) for the 13th District. He was personally involved with hundreds of establishments including the Naval Radio Station near Arlington, Wash.

In 1954 he attended the Founders' Golden Anniversary Convention, at which time many members had the privilege of meeting him. The Founders' Memorial Fund (named by others), to which alumni may contribute with monies being invested in securities with preference going to loans to Theta Tau house corporations, resulted from his suggestion; and he was its most generous donor.

Brother Vinal enjoyed attending activities of the Pacific Northwest Alumni Association. The Twenty-Eighth Biennial Convention held in 1970 at Houston, Texas, was named in his honor.

In 1908 Brother Vinal married his boyhood sweetheart. Mrs. Vinal preceded him in death only a few years ago. They had three daughters and a son.

The memory of this fine Founder will remain forever as an inspiration to all of the brothers of Theta Tau.



Dr. Canjar



Junod



Howe



Reed

DR. LAWRENCE N. CANJAR

Dr. Lawrence N. Canjar, *University of Detroit* Honorary '47, Dean of Engineering at the University of Detroit and adviser to Iota Beta Chapter the last six years, died recently. Brother Canjar was a Chrysler Professor and Dean at the University of Detroit since 1965, having served prior to that as Associate Dean of Engineering and Science at Carnegie Tech. He has seventy titles to his credit, including the book *Thermodynamic Properties and Reduced Correlations for Gases*.

Brother Canjar was the recipient of numerous awards, including the Carnegie Teaching Award, Carnegie Tech Alumni Merit Award, the Western Electric Award for Excellence in Teaching, and the Papal Medal "Pro Ecclesia et Pontifice." His professional activities included Director, Ecumenical Commission, Detroit Archdiocese; the Engineering Society of Detroit; Commission on Engineering; and positions on several technical societies.

Mrs. Canjar and one son survive Brother Canjar.

HENRI PELL JUNOD

Henri Pell Junod, *MIT* '23, former Executive Vice-President and Vice-Chairman of the Board of Pickands Mather & Co., died October 6, 1971. Brother Junod retired from Pickands Mather in 1965, having joined the company in 1923 and having held numerous positions including Vice-President, Director, and Executive Committee member in charge of coal, docks, and vessels. At retirement, he also held the positions of Executive Vice-President of the Interlake Steamship Co. and Director of Lubrizol Corp.

Brother Junod served as President of the American Coal Sales Association from 1958 to 1960 and as Chairman of the National Coal Association from 1965 to 1966. He was active in community and civic affairs, serving as a Trustee and Vice-President of United Appeal and Community Chest in Cleveland. He also was a member of the Development Committee of MIT. Brother Junod was a track star in college, once tying the world's record for the indoor 60-yard dash.

RAYWORTH F. HOWE

Rayworth F. Howe, *Montana Tech* '34, Secretary-Treasurer of the Montana Tech Alumni Association and co-founder of the World Museum of Mining, died July 10, 1972. Brother Howe, known to Tech graduates around the world, served the Alumni Association for 30 years. The 1973 Yearbook will be dedicated in his honor.

Vice-President and General Manager of the Christie Transfer and Storage Co. at the time of his death, Brother Howe was Secretary-Treasurer of the Paul Clark Home for 35 years; a long-time Director of the Butte Exchange Club; and a Director of the Butte-Anaconda Traffic Club. He was also past President of the Montana Transport and Warehousemen's Association, and a long-time member of the Chamber of Commerce. In 1963, he joined with Dave Johns to develop one of Butte's exceptional travel attractions, the exhibits which encompass Montana mining history—the World Museum of Mines.

DR. PHILLIP A. REED

Dr. Phillip A. Reed, *Wisconsin* '36, died of chronic glomerulonephritis, a kidney disease, on July 17, 1972 at Indianapolis, Indiana at the age of 38. Brother Reed was an Associate Professor of Industrial Engineering at Purdue University from 1968 until his death. He previously was an Assistant Professor of Industrial Engineering at Georgia Tech and had held positions with Lockheed-Georgia and Rex Chainbelt.

Brother Reed was a member of AIIE, ORSA, AP-ICS, and numerous other technical and Greek honorary societies. He was listed in *Who's Who in the Midwest* in 1970-71. He was the Assistant Editor of *Production and Inventory Management*, and authored several articles, including "Perception of Needs and Opportunities for Improvement Within An Industrial Organization: Special Emphasis on Its Relation to Structure" in 1968.

Surviving Brother Reed are his wife and four daughters.

In Memoriam

- Gilbert J. Ahrens, *Louisville* '46-8/15/72
 Raymond M. Anderson, *Iowa* '24-6/23/72
 John F. Beaundry, *Michigan Tech* '68
 Adolph W. Beck, Jr., *Colorado Mines* '23-3/17/69
 Joseph M. Bowen, *Ohio State* '34-3/4/72
 Edward L. Bowersox, *Case Western* '25-9/28/64
 Frank S. Boyer, *North Carolina* '44
 John G. Bright, *Carnegie Tech* '25-11/25/67
 George C. Buchheit, *Illinois* '21-5/24/72
 Louis T. Bumgardner, *Minnesota* '23-9/3/70
 Clarence A. Callahan, *Kansas* '42-10/3/72
 John R. Chambers, *Colorado Mines* '40-10/14/69
 Keith A. Christopherson, *Minnesota* '69-1/21/73
 Dr. Gerald M. Cover, *Case Western* '23-11/28/71
 K. George Cunningham, *Case Western* '24-1/1/61
 Glen N. Davis, *MIT* '25-5/12/69
 Carl DeGanahl, *MIT* '24
 Alfred G. Down, *Syracuse* '48
 George H. Eagle, *Ohio State* '26-8/28/72
 Henry B. Estabrooks, *Colorado Mines* '38
 Dressel D. Ewing, *Purdue* '06-3/20/55
 William R. Ferguson, *Columbia* '26-2/6/61
 Robert E. Fields, *Missouri at Rolla* '41
 Henry H. Forbes, *Colorado Mines* '13
 John J. Foucault, *Michigan Tech* '22-3/17/69
 Harry W. Fraas, *Ohio State* '24-6/11/72
 William N. Frye, *George Washington* '39
 Henry C. Gause, *Alabama* '24-9/10/72
 Hanna T. Ghesling, *North Carolina* '28
 Shirley L. Goldsbrough, *Utah* '21-9/28/61
 Irving W. Hadsell, *Columbia* '14-9/10/67
 Albert C. Hansen, *Ohio State* '31
 William E. Hansford, *Alabama* '36-12/70
 Earl Hart, *Purdue* '22-7/11/71
 Thomas E. Hart, *Wisconsin* '51-9/2/60
 Joseph A. Hartman, *George Washington* '40
 Leon R. Hartman, *Minnesota* '14-5/70
 James P. Hauck, *Carnegie Tech* '22-1/23/70
 Glenn D. Hawkins, *Columbia* '23-8/15/70
 Walter E. Hayne, *Illinois* '18-7/11/67
 Robert C. Hickman, *Ohio State* '24-6/21/71
 Lucius T. Hill, *MIT* '17-1/4/72
 Frederick C. Hoennigner, *Carnegie Tech* '25
 Willis L. Hume, *Purdue* '26-6/2/71
 Charles R. Ince, *Columbia* '26-4/10/64
 Merion H. Jensen, *Iowa* '30-2/2/72
 James J. Jerry, *Syracuse* '34-10/20/62
 Napoleon D. Kean, *Minnesota* '24-11/24/72
 William H. Kelsey, *Utah* '11-2/71
 George H. Kenyon, *Illinois* '28-10/22/69
 Peter R. Kiernan, *Arizona* '32-4/5/72
 Clayton H. Kimball, *Utah* '36-11/23/70
 Keith C. Kimerer, *Utah* '23-8/26/67
 Hall Kirkham, *MIT* '23-4/1/66
 Emil F. Kindsuater, *Kansas* '23-12/28/72
 Francis L. Kline, *Iowa* '28-6/14/66
 Edward R. Kroma, *Missouri at Rolla* '42-11/17/72
 Harold K. Laisy, *Case Western* '20-6/71
 George R. Leslie, Jr., *Arizona* '36-7/18/70
 Robert C. Mathis, *Iowa* '29-4/10/69
 James H. Mayfield, *North Carolina* '28
 Walter R. McKenny, *MIT* '19-5/31/72
 William J. McLarney, *Iowa* '30-6/10/62
 Eugene H. Merrill, *Utah* '32-1/4/73
 Clarence G. Merritt, *Columbia* '25-11/4/61
 Herman R. Miller, *Ohio State* '36-7/20/71
 Joseph P. Mull, *Ohio State* '38-9/25/69
 James H. Munzlin, III, *Alabama* '67
 John M. Mullenrider, *Montana Tech* '32-3/11/72
 Morris E. Nall, *Case Western* '27-1/2/72
 William J. Nelson, *Alabama* '29-3/7/67
 Harry S. Pence, *Missouri at Rolla* '23-9/23/72
 Philip M. Phillips, *Alabama* '55-5/11/69
 Morris L. Rask, *Case Western* '22-11/5/71
 Donald M. Ray, *Colorado Mines* '23-10/22/71
 Edward E. Robertson, *Missouri at Rolla* '24
 Richard B. Sargent, *Illinois* '24-6/29/71
 George E. Shelley, *Arizona* '42-12/13/54
 Lovell Shockey, *Case Western* '32-10/30/71
 James F. Simpson, *Michigan Tech* '09-5/25/69
 Henry M. Slocum, *Alabama* '34-11/4/63
 George H. Smith, *Syracuse* '29-5/3/64
 Raymond Sperr, *Ohio State* '25-9/10/72
 Avery H. Stanton, *MIT* '25-8/3/68
 John G. Stevens, *Illinois* '19-4/29/72
 John R. Stewart, *Utah* '08
 Earle A. Strong, *Colorado* '14
 Richard J. Stroup, *Missouri at Rolla* '21-3/26/70
 Paul L. Stuart, *North Carolina* '27
 Charles F. Suessrott, *Carnegie Tech* '30-2/23/72
 Bernard R. Tarrant, *Montana Tech* '37-1/24/72
 Edward A. Taylor, *Case Western* '11-10/6/71
 Ernest W. Taylor, Jr., *Case Western* '37-3/68
 Robert L. Thomas, *Iowa* '28-4/30/68
 Harry W. Thurston, *Virginia* '31-6/30/69
 Merwin S. Tilzey, *Colorado Mines* '35-9/11/72
 Robert C. Tower, *Illinois* '25-9/26/68
 Sheldon K. Towson, *Case Western* '23-3/28/58
 Edward B. Trueworthy, Jr., *Montana Tech* '32
 John J. Ulrich, *Purdue* '49
 Frank W. Vogt, *Illinois* '20-8/7/70
 Robert H. Von Stein, *Iowa* '54-3/10/72
 Donald C. Worden, *Utah* '40-6/2/69
 John C. Worden, *Colorado Mines* '23-6/8/70
 Russell B. Wortley, *Michigan Tech* '13-1/11/72
 Howard D. Wren, *Purdue* '35-3/25/69
 Harry O. Wright, Jr., *George Washington* '40
 George C. Young, *Berkeley* '40-11/22/72



chapter news

ZETA CHAPTER

University of Kansas
1942 Stewart Avenue
Lawrence, Kansas 66044

LAWRENCE KANSAS

Zeta Chapter sponsored three social functions in the fall semester. Our first was a roller skating party at a local rink which doubled as a rush function for our Little Sister's Organization. Our next function was a joint effort with the TKE Fraternity and the ADPi Sorority. Things were kicked off on a Friday night with both fraternities serenading the girls on the sorority front lawn. The following afternoon provided a cookout at nearby Lake Perry, complete with football games, frisbies, and more than a few people getting tossed into the lake. The final function for fall was our annual Casino Party, Zeta Chapter's largest party of the year. Although the weather was a detriment, a band provided music, the game tables provided a chance to lose your shirt, and the bar provided the vehicle for forgetting about losing your shirt.

Spring semester promised three parties also: our annual get-together with Upsilon Chapter, another large party during the University of Kansas Engineering Exposition in April, and a sandbar party to top things off before finals.

Corresponding Secretary

XI CHAPTER

University of Wisconsin
1633 Monroe St.
Madison, Wisconsin 53711



The Xi social calendar brought much spirit and sense of belonging into the Chapter this semester. The semester was started off with a T.G.R.O. (Thank Goodness Registration is Over) party. Throughout the football season, pre-game

warm-up parties were held at the house, with a special Brat Roast before the Homecoming game. One of the highlights of the social calendar was the second annual Halloween Party. The only requirement for admission to the party was to be

The existence of Alumni Clubs in the areas of many Chapters results in close ties between some alumni and the Chapter members. One of the most frequent bonds which promotes this relationship is the planned or formal Chapter social event. In this issue the Chapters were requested to report on such events. As you can see, you are always welcome to participate.—JMW

dressed as anything other than an engineering student. The party lasted well into the evening until, finally, all our witches brew was consumed.

The focal point of the semester was our combined Fall Initiation and 50th Anniversary Celebration held on Jan. 13. The evening began with the Actives and their dates meeting for hors d'oeuvres. Dinner commenced at the Hoffman House at 7:00 p.m. Speeches, awards and the "Tradition of Roses" followed. Among our guests for the evening was Steven J. Barth, *Lambda Beta '67*, newly elected Grand Outer Guard. The evening was topped off by a roaring party at the "Ziebell Ranch," just outside Madison, in a style traditional to the men of Xi Chapter.

The Brothers of Xi Chapter

OMICRON CHAPTER

University of Iowa
Theta Tau Box, Engineering Building
Iowa City, Iowa 52240



The past year has been an active one socially for Omicron Chapter. The spring pledge class was formally initiated on September 16, followed by a dinner at the Amanas. Rush activities followed soon after with a coffee in the Engineering Building, and a kegger at Brother Lehman's "ranch."

With the weatherman cooperating, October 14 found the Brothers and their dates (or wives) celebrating Founder's Day at the Coralville Reservoir with a steak and beer party. The next two weeks were filled with preparations for Homecoming. Omicron Chapter, along with Alpha Xi Delta Sorority, designed and built a float called "Hawkeye Spirits—Hard to Get Down," which was awarded the first place trophy for humor.

Christmas was celebrated on December 9 with a

dinner at the Ranch Supper Club. The year ended with Brothers Lehman and Burns attending the National Theta Tau convention in Nashville. They came home with many new ideas on how to improve the Chapter.

Social activities started in 1973 with formal initiation of the fall pledge class. A lively evening was enjoyed by all with dinner at the Colony Market Place in the Amanas.

February 3 marked Omicron's 50th Anniversary. The celebration started on the second with a Pub crawl around downtown Iowa City, with both actives and alumni participating. Omicron was honored to have Tom Herman, *Delta Beta*, on hand for the festivities. That afternoon Omicron initiated two honorary members, Professor Lane Mashaw and Professor John Ramberg, two men who will add a lot to the advancement of Theta Tau. A banquet at the Carousel Inn capped the Anniversary celebration. The banquet was attended by 80 actives, alumni, their wives, and dates. A highlighted speaker was Joseph W. Howe, *Omicron '26*. He reminisced on our chapter from its beginning to the present. The evening wound up with the Brothers and their dates drinking and dancing, followed by a party at Lehman and Burns apartment.

Rush activities and dinners are being planned for the following weeks, as Omicron continues with social activities and professional development.

DAVE BRIGHT
Assistant Treasurer

RHO CHAPTER

North Carolina State

*Box 5282, State College Station
Raleigh, North Carolina 27607*



The Brothers at North Carolina State University do not have a chapter house. For this reason, our activities must be planned and scheduled during our regular meetings.

We generally try to have several parties during each semester to allow all Brothers and pledges and wives, girl friends and dates to get together and forget school for awhile. The parties are held at a Brother's apartment and very often follow football or basketball games. Sometimes a cookout is scheduled as an alternative and, with weather permitting, we stage our own version of a football game.

Probably our biggest social event each semester is a trip to the mountains in the fall or to the beach

in the spring. This trip usually comes towards the end of the semester when everyone needs a break. The number who go on this trip can run close to eighty. Usually a small fraction of these are alumni who manage to find their way. This event is usually allowed to fall conspicuously on the weekend during pledge week.

Ice skating has become a new interest among the Brothers. A group will get together and go to a nearby skating rink. As a whole, we have not found that not having a house has hampered our social activity. We have found that we can plan our activities in such a way as to allow all Brothers to participate.

AL BATTS
Corresponding Secretary

SIGMA CHAPTER

Ohio State University

*1946 Indianola Avenue
Columbus 1, Ohio*



Sigma Chapter of Theta Tau has tried to present to its members a wide and varied selection of social events. This year we have had our usual Christmas and Valentine parties. Our Little Sisters attend all our social functions and have increased their membership by

142% from 7 to 17, with more new pledges expected this spring. Looking ahead, we have planned a canoe trip, pork roast, mattress party, swimming party, and of course, our Spring Formal.

These activities will keep the membership busy, but we also offer a strong intramural program. This year we have thus far entered two bowling teams, two basketball teams ("A" team went to the playoffs and ended the season with a 4-1 record), touch football and we had our own intrafraternity ping-pong tournament. In the spring, we will be entering a baseball team. Sigma also battled with Triangle Fraternity for the rotating Theta Tau-Triangle trophy in football, and, of course, won 12-0.

Although Sigma Chapter is quite active socially, we still have our serious side and value our commitment to school work. We contend, that to be a whole person, one must be involved with people in order to be able to learn how to best fulfill our lives to the utmost.

DONALD C. RICHTER, JR.
Corresponding Secretary

TO: ALL MEMBERS OF THETA TAU

Notice is hereby given that the following is no longer a member of Theta Tau:

Claude Marion Connell, Kappa Beta '72 (Roll No. 131).

Each member should take due notice thereof, and govern himself accordingly.

(Signed) Robert E. Pope, Grand Scribe

OFFICIAL NOTICE

TAU CHAPTER
Syracuse University
1105 Harrison Street
Syracuse, New York 13210



Tau Chapter is now completing its third year in its chapter house. In recent years, the Brothers have found a large amount of their time consumed fighting inspectors and combating city housing codes. Many of our problems with governments, the fire department and insurance companies has been remedied. The Chapter is now regearing itself to the problems of establishing a permanent systematic rush program. The basic elements of such a program would assist future Brothers towards the goals of Chapter growth and continuation of Theta Tau traditions.

In the recent past, there has been a problem finding interested pledges. A total brotherhood effort aimed at a solution appears to be successful, as this semester's pledge class promises to be the largest in two years.

Tau Chapter once again sponsored a successful Engineers' Party this spring enabling students and faculty to meet in an informal atmosphere. It has now been established as an annual event.

The Chapter has recently discovered that many of its alumni are located within close proximity to the chapter house. Planning is now in progress to expand the size of the Executive Board of the house corporation and encourage an increase in alumni participation in Chapter affairs.

RICHARD N. GARDNER
 Corresponding Secretary

UPSILON CHAPTER
University of Arkansas
763 West Dickson Street
Fayetteville, Arkansas 72701



The semester is young and already the men of Upsilon Chapter find themselves surrounded by activity. Many are briefly relaxing after a successful fund raising drive to refinance the house. With this immediate financial obligation against, we are free to direct more of our resources toward improvements.

We are preparing the pledges for that ill-fated week, gear week. During this week, lowly pledges become members. The pledges' goal during this week is to obtain the signatures of all the members and alumni in Fayetteville, on wooden gears they have

carefully made. However, if one of the gears should be lost or stolen, the pledges' task is multiplied, because they must find the gear before they can obtain any more signatures. The pledge class is given a special clue to where the gear is and they must decipher the clue to get the gear. To complicate matters even more, the pledges must keep in their possession for the entire week, a hammer that weighs about 30 pounds and has a handle five feet long.

Our Chapter has made a new commitment to professional development. We recently sponsored a field trip to a water treatment plant near here that was open to all engineers. We were able to reach out to prospective rushees and obtain a better status with the faculty. We have three other such trips planned, including a trip to a nuclear powered generating plant. In addition to this, we are scheduling seminars, given by engineering faculty concerning the types and nature of research projects presently being conducted in our college.

In an effort to reach the high schools of the state, we are mailing a copy of the *Arkansas Engineer*, our Engine School Magazine, to the counselors and libraries of these high schools. We hope that this will stimulate more interest at the high school level, and perhaps make the students of these schools more aware of what engineering has to offer.

GERALD REED
 Corresponding Secretary

PHI CHAPTER
Purdue University
416 North Chauncey Street
West Lafayette, Indiana 47906



Phi Chapter's social program has pretty much been phased out. In fact, we at Phi Chapter have found that in the limit as formal goes to zero, fun goes to infinity. In other words, we have found that spontaneous, informal events are more successful than traditional formal affairs.

Phi's first social events center around our Little Sister rush in early fall. With all these beautiful, sexy freshman girls coming over, we have to have parties that will show them just how happy and fun-loving we are. This year we enjoyed a picnic complete with softball, volleyball, football and a cook-out; a bowling party at the Union; and a Roaring Twenties party, where we watched W. C. Fields movies and danced the Charleston.

In winter we have one of the few remaining traditional parties—Swiss Chalet. The lounge is decorated like an Alpine ski lodge, we set up a bar in our bum room, and everybody is dressed in sweaters. This year Brothers Schutt and Consdorf prepared a three-hour dance tape to save the cost of a live band.



At night, Phi's dining room becomes a study. Pictured are Nancy Nevins, Bill Virostko, and Bruce Carlson.

Of course, we can always have a kegger if there is nothing better to do. This year we are also trying something new—parties with other members of the PIC on campus. Brother Schutt, our social chairman, recommends this to all the chapters.

Right now we are in the middle of our rush parties. We have always had a casino party, recently we have had a road rally (this year organized by Brothers Frederick and Richter), and this year we came up with a new one—a wine tasting party.

The annual Pledge Dance is about as close as we come to a "formal" social event. The pledges organize it, and the house pays for a band.

Maybe you can see that our parties don't depend so much on tradition or great preparation to come off well. All it takes is some imagination and your Brothers.

MIKE MOON
Corresponding Secretary
TOM SCHUTT
Social Chairman

OMEGA CHAPTER
South Dakota Mines
107 Kansas City Street
Rapid City, South Dakota 57701



Omega Chapter is located in the foothills of the Black Hills of South Dakota, which furnish us with an abundant resource for many of our social events. Every year in February, the Brothers of Omega pay their respects to

one of the Old West heroes—Wild Bill Hickock. Legend has it that Wild Bill was shot at the card table by Jack McCall while Hickock held a hand of "Aces and Eights." This is where the term "a dead-man's hand" originated. Our annual affair, Cinch-Buckle T, is held in the Wild Bill Bar, the tavern where this history-making event took place. Everyone rides in equipped with all the necessities for life in the Old West, including standard sidearm with holster, cowboy hat, boots, and a good-looking "filly." Entertainment consists of dancing to such bands as Country Joe and the Sidewinders or Buddy Meredith and the Buckaroos.

Omega's formal is held in the springtime splendor of Custer State Park. The affair begins with an afternoon of adventure in the Black Hills National Forest. The evening banquet is held in the Custer Game Lodge, which was the summer White House for Presidents Woodrow Wilson and Theodore Roosevelt. Following the banquet and an evening of dancing, the night is capped off with a bonfire and a night of camping.

The Black Hills also provide great wintertime recreation. This past year saw a toboggan party as the subject of entertainment for a sorority exchange party with a neighboring liberal arts college. Whatever the time of year may be, the Brothers of Omega can always find enjoyable recreation in the Hills on any given weekend.

DAVE SINKBEIL
KEN MILLER
Corresponding Secretaries



Omega's social program this year included a toboggan party with a sorority from a neighboring college.

DELTA BETA CHAPTER

University of Louisville

2106 Confederate Place

Louisville, Kentucky 40208



The year 1972 saw several noteworthy accomplishments for Delta Beta Chapter. Last spring, the tone-deaf Theta Tau's sang their way to second place in the annual Fryberger Song

Fest. Our selection of "There Is Nothing Like A Dame" literally filled the auditorium with music, after which Regent Herman cooled off in the University of Louisville Library fountain.

Homecoming 1972 brought out Delta Beta Chapter's ingenuity and creative drive. Our Labyrinth turned out to be the highlight of the Homecoming Festival. Construction of the maze-funhouse combination took several weeks and netted \$277.00 for the Crusade for Children.

Normal Delta Beta Chapter parties were in abundance, the most recent one being a Little Sister sponsored kiddy games-drunk combination.

Attempts to acquire a new house received a boost recently with negotiations with urban renewal and a local realtor progressing smoothly. With the current old and unstable facilities, a new address will be a welcome change.

On the professional side, Delta Beta Chapter has put Theta Tau in an enviable position in the community with the opening of our recycling center. Newspaper, glass, and metal are collected on campus and hauled away by local scrap companies. Financial backing is provided by the University Student Sen-



This Labyrinth maze, Delta Beta's 1972 Homecoming display, netted \$277 for the Crusade for Children.

ate. Currently, the center is open Fridays, Saturdays, and Sundays.

This year's watchword at Delta Beta is community service through professional development.

STEVEN G. ERICK
Corresponding Secretary

EPSILON BETA CHAPTER

Wayne State University

478 West Alexandrine

Detroit, Michigan 48201



Epsilon Beta has a number of activities that occur during the year. But our two big events are our picnic celebrating our Chapter joining the Fraternity—the Memorial Day picnic, and the Founders' Day dance celebrating the founding of the Fraternity. Our annual Memorial Day picnic at a park to celebrate our joining

Theta Tau on May 19, 1951, held a wonderful time for all. Active members brought dates and the alumni brought their families. After feasting on the lunches that were brought, a baseball game was organized between the actives and the alumni. Surprisingly enough the older alumni out-scored the actives by a large margin. All in all, everyone had a great time.

Our Founders' Day dance was held at an exclusive inn about 40 miles away from Detroit in Pontiac, Michigan. Tickets per couple cost \$22.00. A wonderful meal centered around porterhouse steak, and, afterwards our new officers, winners of Chapter



Delta Beta, led by "Director" Tom Herman, took a second place in the University's Fryberger Song Fest.

THE GEAR OF THETA TAU

awards, and our new Sweetheart were announced to the alumni.

Other activities of the year included a weekend canoeing trip to Manistee National Forest in Cadillac, Michigan, 180 miles from Detroit. It entailed canoeing down 60 miles of the Pine River.

Our Chapter's social life with the sororities at Wayne has been quite stimulating this year. With the efforts of our social chairmen, Rod Kochan and Al Pienado, not to mention our Regent Bruce Johnson, a number of quite successful parties have been accomplished. But this year in addition to the sororities, we plan to zero in on the three hospitals which have resident student nurses living in just waiting for a party.

TOM MORRIS
Corresponding Secretary

LAMBDA BETA CHAPTER *Tennessee Technological University* 514 North Walnut Avenue Cookeville, Tennessee 38501

COOKEVILLE



Although the professional aspects of Theta Tau are constantly stressed, the brothers of Lambda Beta find time at least once a quarter to have a real out-and-out party.

These parties usually consist of a band, refreshments, and a theme such as "a greaser," "a 50's," or "a comic strip" party, which dictates the attire worn to the party. We try to hold the party shortly after mid-terms each quarter so that, if only for a few hours, the brothers can enjoy the music, punch (regular or high-test), and the company of each other and dates.

Since we elect new Little Sisters in the fall, the party that quarter is generally held in their honor. Our Sweetheart and Little Sisters help very much with our smaller social activities throughout the year. They are invaluable to our rush smokers and hold parties for us on special occasions. They are in charge of our Christmas party for underprivileged children.

Our largest social event of the year is the party in the spring, held especially for our alumni. The Alumni Party is held at Arda Lee's "Hidden Hollar," a private secluded, residence-recreation area.

Although Theta Tau is a professional engineering fraternity, we feel our social activities keep us together as a fraternity and help us individually to become better suited to fit into society.

THOMAS (HOMER) HOGAN
Social Activities Chairman

MU BETA CHAPTER *General Motors Institute* 1212 North Ballenger Highway Flint, Michigan 48504



"To bring us together for one night of the year, to have a good time in an atmosphere of brotherhood" is the theme of the Theta Tau Bash hosted by Mu Beta Chapter. This semi-formal dinner-dance is our largest annual event and is for the membership and dates only,

both student and alumni.

Previously, the Bash had been held in the month of August during the summer break in commemoration of the installation of Mu Beta in 1969. However, due to the fact the G.M.I. has two totally independent student bodies which alternate at school in six-week shifts, it was very difficult to get Theta Taus from the "out-section" to the event. This year the 4th Annual Bash will be held May 5 and it promises to be the biggest and best ever.

The success of our Bash has been ever growing, with 29 couples attending last year. Its popularity is evident that we draw alumni from as far away as Janesville, Wisconsin.

When all are together, the fun begins, as the bartender (a brother) begins serving drinks. Rumor has it that although you might order the same drink all night, it always tastes different. There is dancing to a live band and, of course, the buffet dinner.

This Bash is open to any and all Theta Taus and their dates who are interested. As the present Regent terms it, "the Bash is a memorable event of brotherhood past-remembered and present enacted."

RICK WANSEER
JIM SLIZ
Corresponding Secretaries

Regional Conferences

REGION	HOST	DATES
Central	Sigma	Nov. 23-25, 1973
Eastern	Gamma Beta	Oct. 27-28, 1973
Northern	Xi	Oct. 26-28, 1973
Southern	Zeta	Dec. 28-29, 1973
Western	Chi	Dec. 28-29, 1973

GM President Speaks at Mu Beta

BY STEVEN W. HOLLAND, GMI '75

Approximately 750 students and faculty members of General Motors Institute attended Mu Beta's Professional Development Program on January 16, 1973. The guest speaker was Mr. Edward N. Cole, President and Chief Operating Officer of the General Motors Corporation.

In addition to being President of GM, Mr. Cole is Chairman of both the Administration Committee and the Executive Committee, is a member of the Finance Committee, and is on six of the Corporation's policy groups.

Mr. Cole began his engineering education at General Motors Institute in 1930, under the sponsorship of the Cadillac Motor Car Division. He advanced through several positions at Cadillac and, with the end of World War II and Cadillac's return to civilian production, was promoted to Chief Engineer of Cadillac. In 1952, Mr. Cole was promoted to Chief Engineer of Chevrolet Motor Division. Four years later, he was named General Manager of Chevrolet and a Vice-President of General Motors. Mr. Cole was later elected to the Board of Directors and appointed group executive. Next, he became an Executive Vice-President and, on October 30, 1967, was elected President of GM. Mr. Cole is extremely active in professional engineering organizations and community activities.

After an explanation about Theta Tau and why we hold Professional Development Programs, Mr. Cole was introduced. He began with some introductory remarks followed by a question-and-answer period covering race relations, automotive safety developments, the Wankel rotary engine, car racing, his philosophy of management, and other subjects.

Even though Mr. Cole is now in the upper echelons of management, he still appears to be an engineer at heart. His friends speak of him as an engineer's engineer. Obviously aware of the technical intricacies, his eyes lit up as he described how the

forces and torques are transmitted inside the Wankel engine, which GM will be marketing in the near future.

Those who listened to and talked with Mr. Cole also learned of his personal philosophy. One of the points that Mr. Cole emphasized was the importance of establishing goals in life and appropriate milestones along the path toward those goals. He firmly believes that you can achieve any goal you seek if you will make certain you pass your milestones on schedule. If continued progress becomes blocked in some position, you should leave that position and seek another route toward your goal. Mr.



Mr. Edward N. Cole, President and Chief Operating Officer of the General Motors Corporation, speaking at a recent Mu Beta Professional Program.

Cole feels that a person should make himself so valuable on whatever job he has, that his company will be unable to afford not to promote him.

The formal program was followed by a luncheon attended by Mr. Cole, Dr. Rodes (President of G.M.I.), Mr. Jim Bay, *Michigan Tech '54* (Mu Beta Advisor) and some of the Mu Beta student members. A small, informal discussion session was also held later that afternoon.

Our "Perceptual Filters"

Alumni correspondence indicates **THE GEAR** is a looked-for communication by Theta Taus. Alumni contributions are directly proportional to the manner in which they see the Fraternity working to achieve its goals as perceived through this magazine. The absence of **THE GEAR** in the past biennium proved this only too well as reduced contributions have forced a reduction in **GEAR** issues to three instead of four in this biennium.

As a result of attending the recent Biennial Convention, I see the necessity to emphasize the value of our brotherhood. Being in industry, I have the opportunity to work with many professionals. With this as

a point of reference, I was awed at the effectiveness and efficiency exhibited by the student members working on the various committees at the Convention. With over one hundred such individuals, the Convention would have been a recruiter's paradise. Can this be due in some part to our Fraternity?

For a majority of alumni, the Theta Tau experience is minimized after graduation. One can't accurately assess the value of that experience as a part of his successful career. Maybe as we each view this report of the fine performance of those Convention delegates through our own "perceptual filters," we can somehow better assess the value of our own Fraternity experience.—JMW

PLACEMENT SERVICE

The Executive Council has authorized establishment of a Theta Tau Placement Service:

EMPLOYEES: A member seeking employment should submit a brief paragraph about himself for inclusion in a bulletin "Available for Employment," and a one-page resume, photocopies of which will be sent to employers whose needs he may fill. A member placed through this service is asked to contribute 5% of his first month's salary to the Fraternity's Operating Fund.

EMPLOYERS: Organizations recruiting engineers are asked to submit brief job descriptions to be listed in a bulletin "Positions Available."

Theta Tau Central Office, 13 Sona Lane, St. Louis, Missouri 63141

CAREER WEEKENDS AVAILABLE TO THETA TAUS

As an additional service to Theta Taus, the Executive Council has arranged with Lendman Associates to make that firm's Career Weekends available to all members who qualify. In order to become a Lendman applicant, candidates must be approaching graduation or have a minimum of a four-year college degree and be interested in a position in industry with a starting salary of \$9,000 to \$16,500.

This service will be in addition to the Theta Tau Placement Service inaugurated last year seeking to match up members seeking employment and those positions listed with the Central Office. For further information about Career Weekends, contact Mr. Stephen M. Campbell, Lendman Associates, P.O. Box 14027, Norfolk, Virginia 23518.

NOTICE OF ALUMNUS ADDRESS

Send names and addresses of any alumni you know who *may* not be receiving THE GEAR to Theta Tau Central Office, 13 Sona Lane, St. Louis, Missouri 63141.

Name _____ Chapter _____ Class _____
Year _____

Street _____

City _____ State _____ ZIP Code _____

Reported by _____ Chapter _____ Class _____
Year _____

Street _____

City _____ State _____ ZIP Code _____

Be sure the Theta Taus you know are receiving THE GEAR.

RECOMMENDED STUDENTS

Mail to Robert E. Pope, Executive Secretary, 13 Sona Lane, St. Louis, Missouri 63141. Include relatives and other recommended students at accredited schools whether or not Theta Tau yet has a chapter at that school.

I recommend that the following student(s) in engineering be considered for Theta Tau membership:

Name _____ School _____

Mailing Address _____ Major _____

_____ Expected Graduation Date _____

Remarks:

Signed _____ Chapter _____ Year _____

NOTICE OF DECEASED MEMBER

Please give as complete information as possible, including biographical data known, clippings, etc. Send to Theta Tau Central Office, 13 Sona Lane, St. Louis, Missouri 63141.

Name _____ Chapter _____ Class _____
Year _____

Address _____

Date and place of death _____

Name and address of nearest relative _____

Reported by _____ Chapter _____

Address _____

Relationship to deceased _____

CHANGE OF ADDRESS NOTICE

Send to Theta Tau Central Office, 13 Sona Lane, St. Louis, Missouri 63141.

Name _____ Chapter _____ Class _____
Year _____

Old address:

Street _____

City _____ State _____ ZIP Code _____

New address:

Street _____

City _____ State _____ ZIP Code _____

Permanent address from which mail will always be forwarded to you:

Street _____

City _____ State _____ ZIP Code _____

GIFTS TO THETA TAU

Make checks payable to Theta Tau Fraternity and mail to Robert E. Pope, Executive Secretary, 13 Sona Lane, St. Louis, Missouri 63141.

I enclose the following contribution to Theta Tau:

As an unrestricted gift \$ _____

For the Founders' Memorial Fund \$ _____

Name _____ Chapter _____ Class _____
Year _____

Street _____

City _____ State _____ ZIP Code _____

ALUMNI NEWS

THE GEAR needs news about you and other alumni. Include promotions, job changes, professional honors, family news. Send to Theta Tau Central Office, 13 Sona Lane, St. Louis, Missouri 63141.

Name _____ Chapter _____ Class _____
Year _____

Address _____

News of yourself and/or others _____



Theta Tau Directory

Theta Tau Fraternity was founded at the University of Minnesota, Minneapolis, Minnesota, on October 15, 1904, by: ERICH J. SCHRADER; ELWIN L. VINAL; WILLIAM MURRAY LEWIS; and ISSAC B. HANKS.

PAST GRAND REGENTS

ERICH J. SCHRADER, *Alpha*, (1904-1919)*
 GEORGE D. LOUDERBACK, *Epsilon*, (1919-1925)*
 J. SIDNEY MARINE, *Eta*, (1925-1927)*
 RICHARD J. RUSSELL (DR.), *Epsilon*, (1927-1931)*
 FRED COFFMAN, *Lambda*, (1931-1935)*
 HERMAN H. HOPKINS, *Beta*, (1935-1937), 3320 Culver Avenue, Evanston, Ill. 60201
 JOHN M. DANIELS (DR.), *Nu Hon.*, (1937-1939), 338 Pinewood and Cole Road, Sarver, Pa. 16055
 RUSSELL G. GLASS, *Sigma*, (1939-1946), Saddleback Lane, Gates Mills, Ohio 44040
 RALPH W. NUSSE, *Zeta*, (1946-1948), 609 West Dartmouth, Kansas City, Mo. 64113
 NORMAN B. AMES, *Gamma Beta*, (1948-1950)*

DONALD D. CURTIS, *Omicron Hon.*, (1950-1952)*
 JAMISON VAWTER, *Zeta*, (1952-1954)*
 A. DEXTER HINCKLEY, *Theta*, (1954-1958), 154 East River Road, Guilford, Conn. 06437
 CHARLES W. BRITZIUS, *Alpha*, (1958-1962), 662 Cromwell Avenue, St. Paul, Minn. 55114
 WILLIAM K. REY (PROF.), *Mu*, (1962-1966), P.O. Box 664, University, Ala. 35486
 C. RAMOND HANES, *Sigma*, (1966-1968), 2190 S. Wapak Road, Lima, Ohio 45805
 CHARLES E. WALES (DR.), *Epsilon Beta*, (1968-1972), 113 Webster St., Morgantown, W.Va. 26505

* Deceased.

EXECUTIVE COUNCIL

GRAND REGENT GEORGE G. DODD (DR.), *Kansas* '60
 29451 Cunningham Dr., Warren, Mich. 48092
 GRAND VICE REGENT JOHN M. DEALY (DR.), *Kansas* '58
 355 Grosvenor Ave., Montreal 215, Quebec, Canada
 GRAND SCRIBE ROBERT E. POPE, *Kansas* '52
 13 Sona Lane, St. Louis, Mo. 63141
 GRAND TREASURER CHARLES W. BRITZIUS, *Minnesota* '33
 662 Cromwell Ave., St. Paul, Minn. 55114
 GRAND MARSHAL FRED E. ARMSTRONG, JR., *Alabama* '61
 P.O. Box 80667, Atlanta, Ga. 30341
 GRAND INNER GUARD ALLAN E. HRIBAR (DR.), *Purdue* '65
 327 Stratford Ave., Pittsburgh, Pa. 15232
 GRAND OUTER GUARD STEPHEN J. BARTH, *Tennessee Tech* '67
 230 No. Franklin, Greensburg, Ind. 47240
 STUDENT MEMBER THOMAS R. HERMAN, *Louisville* '73
 2106 Confederate Pl., Louisville, Ky. 40208
 DELEGATE-AT-LARGE CHARLES E. WALES (DR.), *Wayne State* '53
 113 Webster St., Morgantown, W.Va. 26505

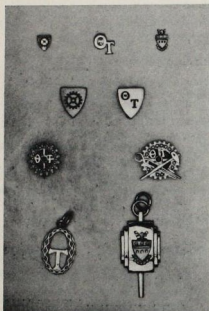
CENTRAL OFFICE

Robert E. Pope, *Kansas* '52, Executive Secretary, 13 Sona Lane, St. Louis, Mo. 63141

REGIONAL DIRECTORS

NORTHERN LAWRENCE F. FELTSIEN, *Minnesota* '62
 3503 Richmond, St. Paul, Minn. 55112
 CENTRAL RALPH H. WALES (PROF.), *Wayne State* '54
 16510 Hiland Trail, Linden, Mich. 48451
 EASTERN JAMES W. BRADLEY, *Ohio State* '62
 517 Cottage Lane, Monroeville, Pa. 15146
 WESTERN JACK E. PAYNE, *Utah* '62
 4363 Wessex Drive, San Jose, Calif. 95123

JEWELRY AVAILABLE THROUGH CENTRAL OFFICE



Official recognition button* (<i>Top left</i>)	\$ 1.25
Greek letter recognition button (<i>Top center</i>)	1.50
Coat of arms recognition button (<i>Top right</i>)	1.50
Pledge button* (<i>Row two, left</i>)	1.00
Pledge pin*	1.00
Colony pin (<i>Row two, right</i>)	1.50
Sister pin* (<i>Row three, left</i>)	
Close set pearls	19.65
Crown set pearls	21.90
Badge* (<i>Row three, right</i>)	
Close set pearls	16.15
Crown set pearls	19.40
Alumni charm (<i>Lower left</i>)	7.15
Award key, gold plated (<i>Lower right</i>)	6.00
Award key, 10K gold	12.90
Founders' size coat of arms (<i>Plain or with ring at top</i>)	
1/20-10K yellow gold filled	8.00

Prices do not include state and local sales and use taxes.

* Official jewelry may be ordered only through the Theta Tau Central Office, 13 Sona Lane, St. Louis, Missouri 63141.

THETA TAU FRATERNITY
13 Sona Lane
Saint Louis, Missouri 63141

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