FRANCIS M. TAYLOR CHEMICAL ENGINEERING LABORATORY DEDICATED

In ceremonies held on November 21, 1970, a wing of the Chemical Engineering Building at Tulane was dedicated in honor of Dr. Francis M. Taylor, Emeritus Professor of Chemical Engineering, who retired on June 30, 1970, after 32 years on the Tulane engineering faculty.

A large group of Dr. Taylor's faculty colleagues and former students heard Dr. Clarence Scheps, Vice-President of the University, make the announcement that the unit operations wing of the building had been named the Francis M. Taylor Chemical Engineering Laboratory and gave the signal for the unveiling of the name on the building.

Alumni throughout the United States contributed letters of tribute which were made into a scrapbook and

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PRESIDENT'S MESSAGE

With this year marking the 20th Anniversary of the founding of the Society of Tulane Engineers, I think it appropriate to review the Aims and Purposes of the Society as listed in the Articles of Association:

1. To keep members of the organization informed as to the progress, activities, and needs of the College of Engineering.
2. To provide closer contact between former students and faculty by providing information about their whereabouts and activities.
3. To provide employment placement service for prospective graduates and members.
4. To provide a means for raising funds for specific equipment and services.
5. To provide an advisory group whose purpose it is to recommend improvements in curriculum, instruction and classroom procedure.

Over the past 20 years, the Society has endeavored to fulfill these Aims and Purposes. Currently the Society has committed itself to a three-year program to finance the air-conditioning of Room 205 and adjoining offices. With your financial cooperation, this will be accomplished. Our graduates in Engineering are approaching the 4,000 mark and I only wish all of you could visit the school, view the physical plant and meet the outstanding faculty assembled by Dean Johnson over the past 20 years. On May 5th, the Society will host the graduating seniors at their annual Awards Banquet. I hope as many of you as possible, can attend and meet this fine group of new Engineers.

Claude J. Kelly, Jr.

MASON WEBSTER SPEAKER AT SENIOR AWARDS BANQUET MAY 5

Mason Webster, Director of Placement at Tulane will be the guest speaker at the Annual Senior Awards banquet sponsored by STE. This year the dinner will be held on Wednesday, May 5, 1971 at 6:30 PM in the Crow Room of the University Center.

Mr. Webster's enjoyable appearance at this gathering several years ago prompted his being asked to return. He has been at Tulane since 1957 and prior to his placement work was program director for Tulane's evening division and assistant to director of development.

All seniors and their guests as well as the faculty and STE members are invited to attend each year. Any member wishing to make a reservation should call the Dean's office as soon as possible to make arrangements.
NEW SEMINAR PROGRAM

Dr. George R. Webb, Associate Professor of Mechanical Engineering, and Dr. Jane Keller, Instructor in English, have inaugurated a program involving discussion-study groups on "The Impact of Science and Technology on Society".

Five such groups with students from the School of Engineering, the College of Arts and Sciences and Newcomb College, both undergraduate and graduate students, met throughout the past year and the program will be offered again next year.

Each group read and discussed material on one of the following specific aspects of the relationship of science and technology: Technology and Humanism; Technology and Politics; The Implications of Advances in Biomedical and Medical Technology; The Modeling of Socio-Ecological Systems and The Interaction between Technology and Values. Each group has two leaders, one from the faculty of the School of Engineering and one from another division of the University.

Faculty who participated in the program this year in addition to Dr. Webb and Dr. Keller were Dr. Robert Chambers and Dr. Gordon Harris of Chemical Engineering; Dr. Henry Hrubecky of Mechanical Engineering; Dr. James Buchanan, Classics; Dr. Charles Frichtie and Dr. Oscar Weigang, Chemistry; Dr. Ronald Ebel, Political Science; and Father Jerry Murphy of Notre Dame Seminary.

PROFESSOR JOHN K. MAYER NAMED CHAIRMAN OF ASTM DELTA DISTRICT

John K. Mayer, professor of civil engineering, Tulane University, was recently elected chairman of the Delta District of the American Society for Testing and Materials (ASTM).

The district is comprised of some 200 ASTM members located in the states of Louisiana, Mississippi and a portion of Western Florida.

Professor Mayer is a native of Amite, La. He received his B.E. degree in mechanical and electrical engineering in 1930 and his M.E. degree in mechanical engineering, both from Tulane University.

THE TULANE ENGINEER

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April 1971

AIR-CONDITIONING PLANS ARE PROCEEDING

Last year the Society of Tulane Engineers, under the leadership of Mr. Jay Oppenheim, had asked for a study to be made with regard to an appropriate air conditioning system for Room 205, Mechanical Engineering Building. Professor Louis Orth undertook the study and presented a plan to an STE advisory group which proposed heating and air-conditioning of the room from the University's central system but added rooms 206, 208 and the hallway outside these rooms as well. A preliminary cost estimate had been made with the help of the Tulane Physical Plant.

At the homecoming meeting of the STE, the plan was presented to the STE membership for approval of financial backing of the project and received an affirmative vote.

Essentially the system proposed uses a centrally located fan-coil unit with both steam and chilled water coils. Bar joists above the ceilings do not allow ductwork to be run concealed, so farred down ducts are proposed down the centerline of each ceiling. Since reasonable flow velocities are adequate for throw of air only half the width of the room, quiet operation in the room would be possible.

The entire cost of the project would include removal of the old steam radiator systems from these rooms, sealing off a portion of the corridor, building a sound insulated fan room off of the corridor at one corner of room 208, and modifying some doors so that the corridor may be used as a return air plenum.

The basic plan has been turned over to the Tulane Resident Architect's office for final revisions and/or approval by the Tulane Planning Office with hopes that the project can become a reality before the start of the 1971-72 school year.

SEND YOUR STE DUES NOW

The 1970 Harold A. Levey Award for professional achievement during the ten year period after graduation was awarded at the Society's annual meeting last October to Dr. E. Hunter Herron of London, England.

Dr. Herron, who is the Economics Advisor of the Natural Gas Organization of Esso Europe, Inc., received his B.S. in Chemical Engineering in 1959, his M.S. in 1961 and Ph.D. in 1964, all from Tulane.

Named to his present position when Esso Europe, Inc. was organized in London in 1966, Dr. Herron has developed computerized financial models for each of the 12 gas companies in which Esso has an interest in Western Europe, as well as demand-elasticity models, and developed a means for tying the models together to obtain a complete Esso-interest corporate system.

Before joining Esso Dr. Herron was a research engineer with the Jersey Production Research Company of Tulsa and the Esso Production Research Company.

He is married to the former Frances Hunter (Newcomb '61) and they have two sons. He has a home in Surrey County, England, south of London.
ENGINEERING GRADUATE DIVISION

AWARDS FIRST DOCTORATE

The School of Engineering has initiated a new graduate program which offers the Master of Engineering (M. Eng.) and the Doctor of Engineering (D. Eng.) degrees. Dr. M. H. Kuo, the first graduate of this new program, was awarded the D. Eng. degree in Electrical Engineering on January 30, 1971.

Dr. Kuo received the M.S. degree in Electronics in June 1967 from the Chiao Tung University, Taiwan. He enrolled in the Graduate School of Tulane in September 1967 and transferred to the Graduate Division of the School of Engineering in 1970. He also served as a research assistant under the supervision of his dissertation advisor, Dr. Charles H. Beck, Professor of Electrical Engineering and Director of the Systems Laboratory.

Dr. Kuo participated with Dr. Beck in research projects sponsored by the Air Force, Army, NASA, NSF, and the USPHS. Along with Dr. Beck and Dr. Robert L. Drake, Professor of Electrical Engineering, he co-authored six technical publications relating to the research reported in his dissertation.

His dissertation, titled, Automated Modeling of Dynamic Systems Using Hybrid Computer Optimization Techniques, presented the Tulane Automated Hybrid Optimization (TAHO) technique. This is an automated method for obtaining time-domain models of linear and also a specific class of nonlinear dynamic systems using the Tulane Hybrid Computer System developed in the Systems Laboratory. Dr. Kuo is presently teaching in the Engineering Science Division of the University of Wisconsin—Parkside where he holds an appointment as an Assistant Professor.

BOARDS OF ADVISORS

The Board of Advisors for the School of Engineering held its second annual meeting at Homecoming in November. Mr. Waldemar S. Nelson was re-elected president of the Board for another year. The other officers, Vice-Presidents Henry P. LeMieux, Michael J. Cade, and Gayden Derickson, and Secretary-Treasurer Robert H. Boh, were also re-elected. The other members of the Board for 1970-71 are: Jerome C. Baehr, Ernest W. Beck, R. Nelson Crews, James P. Ewin, Jr., George A. Heft, R. Neil Hutson, Donald E. Jahncke, Harold H. Jaret, Claude J. Kelly, Jr., William R. LeCorgne, Edward J. McNamara, John L. Nicklaus, John R. Riley, Jack B. St. Clair, Harold T. Timken, and Edwin Vennard. Professor John L. Nicklaus has joined the Board as a new member in his official capacity as Second Vice-President of the Society of Tulane Engineers. The Executive Committee of the School of Engineering met with the Board.

Dean Lee Johnson gave a report on the progress of the School during the past year. He observed that the undergraduate enrollment had risen from 441 to 465 students. He also observed that the inauguration of the Graduate Division in the School of Engineering had resulted in an increase in the graduate enrollment from 119 to 170 students. This year, there are 91 students enrolled in the Graduate Division of the School of Engineering and 79 students enrolled in the Graduate School.

He also reported on the progress that had been made on the financial situation in the School of Engineering and estimated that it was possible to reduce the deficit of 1968-69 by as much as $200,000 by 1972. He commented on funding activities during the past year and on recruiting efforts to increase the undergraduate enrollment.

Mr. Nelson made a brief report elaborating on the financial situation and prospects for its improvement. He commented on recent major gifts by the Engineering alumni.

Mr. George Heft reported for the Plant Committee, stating that his committee had made a study of the present and projected space needs of the School of Engineering and had come up with the recommendation to urge the Board of Administrators to approve the development of long-range plans for the School to provide approximately 150,000 sq. ft. of floor space. He also stated that his committee had made a study of equipment needs and recommended support be requested for improvement.

Mr. Jay Oppenheim, outgoing member of the Board, reported for the Public Information Committee; Mr. (Continued on page four)
president of the Student Council and has been a member of the Student Senate for two years. He also works with the Admissions Committee of the University Senate Committee for incoming students. His interest in flying began two years ago and he now flies gliders as well as planes.

New Orleans, which he loves for its people, architectural uniqueness and its food, is just not the ideal place for gliding, he says. "There's nothing like the thrill of gliding at 14,000 feet over the New Mexico landscape," he avers. "It's breathtaking." Jim hasn't had too much time for flying in New Orleans anyway since he's combining his engineering courses with work in the graduate business school. When he graduates this June he will have 36 hours toward a graduate business degree. He plans to return to finish up his MBA and then go into business and "maybe politics."

New Orleansians interested in water sports already know the name John Dane III. John is a junior in Civil Engineering and is an international sailing champion headed for the 1972 Olympics. He was an honor graduate of De La Salle High School and has been sailing since he was eight years old. He won the Junior National Sailing Championship in Toronto in 1967 and was second in the Olympic Trials in 1968. He went on to win the North American Soling Championship in Milwaukee in 1969 and the British National Soling Championship in 1970. He holds a host of other sailing championships as well and is training now for the 1972 Olympic Trials. He hopes to go to Kiel, Germany to vie for the Gold Medal in the Soling class. Besides being a fine student and sailing champion, John is an amateur photographer and works at sailmaking and boat building.

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Cade reported for the Operations Committee; Mr. Boh reported for the Finance Committee; and Mr. St. Clair reported for the Research and Development Committee.

DR. TAYLOR—continued from page 1

presented to Dr. Taylor at the ceremony. The laboratory dedication was followed by a buffet supper at the University Center. The speaker at the banquet was Dr. Ferdinand Stone, Professor of Law, who cited Dr. Taylor’s many contributions to the School’s teaching programs and for his design and operation of the Unit Operations laboratory for undergraduate students in chemical engineering.

Dr. Robert Weaver was Master of Ceremonies and he and Dr. Dale von Rosenberg were in charge of arrangements for the dedication ceremonies.

IS THIS YOUR REUNION YEAR?

If you are interested in having a class reunion this year let your class agent know. Indicate the type function in which you would be interested and offer to help him get it organized. If you do not know your class agent send this information to the Tulane Alumni House, 6319 Willow St., New Orleans, La. 70118; give your class and year and the Alumni House will see that your interest is made known to your class agent.

Although Homecoming week-end is not until Oct. 29-30, it’s not too early to start the ball rolling NOW!

SOCIETY OF TULANE ENGINEERS
TULANE UNIVERSITY ALUMNI HOUSE
6319 WILLOW ST.
NEW ORLEANS, LA. 70118