PROFESSOR BLESSEY TO ADDRESS SOCIETY

The speaker for the annual meeting of the Society will be Professor Walter E. Blessey, Engr. '40, newly appointed head of the department of Civil Engineering. His subject will be on various aspects of engineering in the Latin American countries. Professor Blessey was invited to undertake a five-week lecture tour of eleven Latin American countries in August and September. This tour was sponsored by the Unión Panamericana de Asociaciones de Ingenieros (UPADI) whose membership is composed of the major engineering societies in Canada, the United States and twenty-one Latin American countries. Mr. James M. Todd, Engr. '18, Vice President of UPADI and president of the UPADI Fund, with the cooperation of the Class of 1918, was instrumental in making arrangements for the tour. Professor Blessey's itinerary included Cuba, Venezuela, Brazil, Uruguay, Argentina, Chile, Peru, Panama, Costa Rica, El Salvador and Mexico.

He presented illustrated lectures on the mass production of pre-stressed concrete and the use of limit design of concrete in this country before audiences of professional engineers, university professors, and engineering students. He also had the opportunity of engaging in many informal discussions about engineering practice and engineering education with engineers and educators in various countries. He was accompanied on the trip by Mrs. Blessey.

Professor Blessey is a pioneer in the Southern area in the use and application of pre-stressed and light-weight concrete for many types of structures. Applications of his research at Tulane in structural design can be seen in many projects in New Orleans including an overpass, an underpass, and a water treatment plant across the Mississippi River. A registered civil engineer in Louisiana, Professor Blessey is an associate member of the American Society of Civil Engineers, a member of the Louisiana Engineering Society, the American Concrete Institute, Tau Beta Pi, Sigma Xi, and the American Society for Engineering Education.

He is a member of two joint task committees of the American Society of Civil Engineers and the American Concrete Institute, one on pre-stressed concrete and the other on shear and diagonal tension. Currently he is conducting research on the plastic design of certain types of steel beams and on the mechanism of shear failure in lightweight aggregate concrete. His achievements in the field of structural design have attracted many advanced students to his graduate courses and a number of research projects for the University's 60-ft. Experimental Research Frame.

ENGINEERS AGENDA
Homecoming 1959
Saturday, October 24, 1959

2:30 PM—Room 205, Mechanical Engineering Building, Society of Tulane Engineers
Speaker: Professor Walter E. Blessey, Head of Department of Civil Engineering

4:00 PM—Alumni House, Willow Street, Annual Meeting of the Tulane Alumni Association, followed by alumni supper (no charge)

7:30 PM—Football Game — Tulane vs. Georgia Tech

REVIEW OF S. T. E. GIFTS TO SCHOOL

The Dean thought it timely to include in his annual report for 1958-59 a review of the gifts to the School from the Society and also of the services rendered by the Society. These do not include the substantial contributions which engineering alumni have made individually to Tulane through the Alumni Association and in other ways but do reflect the significant assistance which the Society itself has given.

The contributions to the School include the following:

1. A major research facility called the Experimental Research Frame and valued at approximately $25,000.00. Messrs. Claiborne Perrilliat and James P. Ewin composed the committee which was primarily responsible for raising the funds and contributions of services and materials.


3. Equipment on a temporary basis to enable the Chemical En-
(See "Gifts"—Page 4)
New Curricula In Engineering

The year 1958-59 has been a significant year in the history of the School. The faculty, working over a period of two years as a team of three committees, approved major changes in all engineering curricula. The significance of these changes is not only that they recognize recent discoveries in science and transitions in engineering theory and practice, but also that they demonstrate the alertness and flexibility of the engineering faculty.

The major features of the changes in the curricula may be summarized as follows:

1. Physics has been moved from the sophomore year to the freshman year. There is little change in this course since our engineering students will be introduced to calculus during the first semester of freshman mathematics.

2. The two courses formerly designated as Engineering Drawing and Descriptive Geometry have been combined into a single two-semester course, Engineering Drawing and Graphics. The credit for this sequence has been reduced from six to four semester hours and it has been moved from the freshman year to the sophomore year.

3. The liberal arts content of all curricula has been substantially increased. Three curricula will include 24 semester hours of humanities and social studies and the fourth, 21 semester hours.

4. Three of the new curricula will require contemporary physics. This anticipates that more of our engineering students will wish to elect courses in nuclear physics and nuclear engineering in subsequent years.

5. There has been a general upgrading of junior and senior courses to include new scientific material and its applications.

6. The number of academic hours in the curricula remains approximately the same. Two curricula require from 2 to 4 semester hours less and the other two from 1 to 3 semester hours more.

Attention will continue to be devoted to the improvement of curricula. It is to be anticipated that changes will be made from time to time. It is planned to begin with the new freshman curriculum in September 1959.

The increased emphasis on the humanities and social studies goes beyond a mere increase in semester hours. The committee charged with the task of reviewing these courses has corresponded with all department heads involved and conferred with a number of them. It has prepared a carefully considered list of approved courses and sequences of courses in the humanities and social studies with the objective of providing for the engineering student a vital and stimulating experience. Furthermore, it is planned to have a desk at registration for guiding the student in his selection of courses in the liberal arts and approving his selection.

See Your Name in Print!!

Fill in the form below, attach to a post card and mail to:

The Society of Tulane Engineers
404 Baronne Street
New Orleans 12, Louisiana

We guarantee publication!!!

NAME: ____________________ First: ____________________ Last: ____________________ Middle Initial: __________

Branch of Engineering: ____________________ First: ________ Middle Initial: __________

Home Address: ____________________ Home Tel: ____________________

Business Address: ____________________ Bus. Tel: ____________________

I am employed by: ____________________ Firm Name: ____________________

News about job (type of work): ____________________

New about other grads: ____________________

Suggestions: ____________________
REPORT FROM THE DEAN

Enrollments

The undergraduate enrollment in the School of Engineering in September, 1959, was 380 students with 125 classified as freshmen. This represents a drop in enrollment from the September, 1958 figures which correspondently were a total of 484 undergraduate students with 186 classified as freshmen. This is in accordance with the national trend in engineering enrollments which dropped 12 per cent for freshmen in September, 1958, and were expected to drop again this year. It is anticipated that the upsurge in all college enrollments will begin in 1960 or 1961. The graduate enrollment in engineering has remained fairly constant between 45 and 50 students during the past three years. The number of graduate courses being offered however has increased sharply during this time. A total of twenty graduate courses are being offered during this fall semester and a total of 50 graduate students have enrolled.

Awards and Gifts

Mr. Harold A. Levey, Engr. '11, has established an award to recognize outstanding achievement of a Tulane engineering alumni during the period from five to ten years after graduation. This achievement may be in the form of any contribution to professional knowledge and practice such as an original design, publications, patents, or methods. The award will consist of a specially designed key engraved with the name of the award, the name of the recipient, and the year, and will be known as the Harold A. Levey Award. It is anticipated that the first recipient will be announced at the forthcoming annual meeting of the Society.

Two awards were established in 1958-59 in honor of Professor Emeritus Frederick H. Fox. They are as follows:

The Frederick H. Fox Activities Award is to be given annually to a civil engineering student who has been outstanding in his participation and contributions to athletics and other extra-curricular activities. The award consists of an engraved wrist watch.

The Frederick H. Fox Achievement Award has been established by the Tulane Student Chapter of the American Society of Civil Engineers for outstanding participation in the activities of the Chapter. The School of Engineering has been presented with a plaque by the Chapter on which the names of the recipients of the award will be engraved each year.

The department of Electrical Engineering received a substantial gift from the General Electric Company in connection with the purchase of electrical engineering laboratory equipment. The department was able to acquire substantially more equipment than originally anticipated as a result of this gift.

The department also received a gift from the Westinghouse Electric Corporation for equipment.

Gantry Crane

Rehabilitation funds provided by the Tulane Board of Administrators has made possible the erection of a forty-eight-foot gantry crane over the Experimental Research Frame by the civil engineering building. This crane spans the roadway between the Tulane and Loyola campuses and runs on rails set in concrete foundations. Both the crane itself and the fifteen-ton hoisting mechanism are electrically operated. This crane has been desperately needed as an accessory for the Research Frame in order to load and unload the heavy structural units on which research is conducted.

Join The Society Of Tulane Engineers

For information, send $2.00 and your name and address to the address shown on the post card cutout.

SOCIETY OF TULANE ENGINEERS

Financial Statement

October, 1958 - October, 1959

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James M. Robert, Leadership Award Fund

| Balance in French Market Homestead October, 1958             | $ 880.01             |
| Dividends Received During Year                               | 33.50                |
| Transfer from Operating Funds                                | 200.00               |
|                                                             | $1,113.51            |
| Less 1959 Award to Mr. Evarts B. English                    | 50.00                |
| Balance as of October, 1959                                 | $1,063.51            |

Frederick Fox Fund—Receipts During Year                       | $ 352.00             |

J. F. Vogt, Treasurer
September 22, 1959
FROM THE MAIL BAG

James N. Wilson, Ch. E. '12, is doing mechanical engineering design work for the New Orleans Sewerage and Water Board.

John V. Wilson, C.E. '51, is employed by Western Electric in New York City ... licensed P.E. in both New York and New Jersey ... started work on Masters Degree last year at Newark College of Engineering ... has about half the required credits ... suggests more news about grads. (Ed. note: How about helping out, grads.)

Walter K. Oser, M.E. & E.E. '27, working at the Bell Labs. in Murray Hill, New Jersey ... development work on transoceanic cable ... suggests more room for addresses on our post card cutout.

John (Jack) T. McCaw, M.E. and E.E. '37, is President and General Manager of Gold Seal Products Company, Inc., in Birmingham, Alabama ... left engineering after end of World War II (U. S. Navy, sea duty in Pacific) ... entered pet food packing business ... pack and distribute canned and frozen pet foods in Southeastern U.S. ... says the "old engineering training" is helpful when plant expansion programs, equipment modifications, etc., take place ... occasionally sees Irwin Crais, M.E. & E.E. '37, who is in steel business in Birmingham.

John A. Cochrane, M.E. '44, with the Baltimore Division of the Martin Co., is a propulsion design engineer in aircraft advanced design division ... says the list of graduate courses looks interesting ... presently in a graduate program at Drexel (Philadelphia).

Received note from Fernand K. Levy, Eng. '09, 281 Belle Meade Lane, Memphis 17, Tennessee. Good luck!

P. A. Schweri, M.E. '56, just returned from a seven-month tour of duty in the Mediterranean Area with the U.S.M.C. Thanks for the note.

Walter E. Douglas, Jr., C.E. '42, is employed in the District Public Works Office of the 8th Naval District in New Orleans ... doing project management for all Reserve Air Stations and Navy-owned Civil Works Facilities (Industrial) within the 8th Naval District.

John C. Bendler, M.E. & E.E. '37, is Building Superintendent in charge of maintenance, etc., for the Tulane University School of Medicine on Tulane Avenue in New Orleans.

Allen N. Smith, Ch. E. '41, sent his regards. Thanks.

Dear Henry,

In response to the recent letter I received from Edward McLellan, here is a summary of my activities since graduation in June, 1957 (BSEE): I was married February 8, 1958 to Miss Carol Jean Arnoult, BS Newcomb 1957. I am employed by the Minneapolis - Honeywell Regulator Company as a Technical Representative to the Air Force. My present assignment is at Tyndall AFB, Panama City, Florida, on contract for the MB-5 Automatic Flight Control System installed in the F-101B Voodoo aircraft. Previous assignments have taken me to England AFB in Alexandria, Louisiana, and Eglin AFB in Fort Walton Beach, Florida, where I worked on the MB-3 AFCS installed in the F-100D aircraft. Also, I was assigned as liaison engineer at McDonnell Aircraft Company. I particularly like the flight line trouble shooting portion of my present job and working with the latest supersonic aircraft.

Hope this is what you wanted for your newsletter. I am anxious to receive the latest news about my class.

Yours truly,
/s/ Clinton Exby

809 Cherry St., Apt. 7
Panama City, Florida

Dear Mr. Markel:

Mr. McLellan's letter suggested we out-of-town alumni keep you informed. The whole story since graduation in June '57 is:

Eight months Officers Basic School, Quantico, Va., one month Communications Officers Orientation School and my present duty in the far east is both a Watch Officer for the Division and also a Battalion Communications Officer. My next duty station is a six-month course in the Comm. O. school at Quantico—post graduate type.

Will be glad to get the Tulane Engineer. I suggest you keep my address as before—1503 Pine Street, New Orleans, Louisiana. My family

GIFTS (Continued from Page 1) Engineering Department to undertake a research project in cooperation with the Oak Ridge National Laboratory in 1953.

4. Unrestricted sums of money in 1956, 1957, and 1958 totalling $1,100.00 for special needs in the School.


6. James M. Robert Leadership Award in 1957. The award consists of a $50.00 prize annually. The Society has already accumulated approximately $1100.00 in a fund with which to encase the award and is giving the School a plaque on which the names of the recipients will be engraved.

7. A bronze plaque honoring Professor Emeritus Donald Derickson and naming the major research facility which was presented in 1953, the Donald Derickson Experimental Research Frame.

8. An alumni gift to Professor Emeritus Frederick H. Fox upon his retirement in 1959.

Other services which the society has rendered to the School of Engineering include the following:

1. Inauguration of annual engineering alumni homecoming meetings.

2. Appointment of an advisory committee which presented a lengthy study and review of curricula in the School of Engineering in 1954.

3. Inauguration of the semi-annual publication, The Tulane Engineer, in 1954.

This space reserved for more news about alumni. Have you written?

will forward it and any further correspondence to whatever place in the world the Marine Corps decides to send me.

Yours truly,
/s/ Fred Wulff
1st Lt.—USMC