Panel Program for Annual Meeting

The program for the annual meeting will be somewhat different this year than in past years. The topic will be "The School of Engineering—Past, Present, Future." The participants will be a panel from the School consisting of Mrs. Carl F. Hoffmann, Administrative Assistant to the dean, better known as "Beth" to thousands of alumni, and Professors Raymond V. Bailey, Walter E. Blessey, John L. Martinez, Chester A. Peyronnin, and Daniel H. Vliet. Dean Johnson will act as moderator for the panel.

There will first be brief comments from the panel members about various aspects and changes of the School, and open discussion from the floor.

This should prove to be a very interesting and enlightening session about your School of Engineering by a group of panelists whose combined time of appointment on the faculty and staff of the School totals 146 years.

SPECIAL FUND DRIVE ANNOUNCED

During the past year your officers agreed to propose that a special fund drive would be held for the members of the Society of Tulane Engineers. The goal of this drive would be to raise at least $4,000 to refurbish and renovate the large lecture room 205 in the Mechanical Engineering Building. Dean Johnson indicates that this room could be one of the most important and most used in the Engineering School. It is the only room available for large meetings such as the following:

1. Departmental seminars for graduates, visiting scholars, and industrialists.
2. Faculty groups.
3. Freshman class.
4. Classes requiring visual aids.
5. Engineering Society student chapters.
6. University College seminars.
7. Society of Tulane Engineers.

The chairs are very old and quite uncomfortable. They should be replaced as soon as possible. Acoustical treatment, carpeting, drapes, and improved visual aids are also necessary improvements that should be made.

Our goal of $4,000 during the two years 1968 and 1969 is not out of reach. This is a challenge that we can accept. Our hope is that our 750 dues paying members will increase their dues donations of $3.00 by an average of at least $2.00 per year. We will be looking for checks of $10.00 and $5.00 instead of $3.00 for the next two years. We know that each of you will want to donate to this special project. Let’s make room 205 the finest lecture room on the campus. It must be refurbished and renovated. Please do your part in 1968 and 1969.

Beth Hoffmann, Queen of Engineering

Beth Hoffmann, who has served as Secretary to the Dean and is now his Administrative Assistant, is one person who has received but little recognition around the School of Engineering yet who has had a significant influence on its life and development for over thirty years. Beth has been in the Dean’s Office since the early months of 1936, when she was employed by the late Dean Emeritus James M. Robert shortly after he assumed the deanship. At that time, Dean Robert’s secretary was Miss Edna Doll.

As Miss Doll’s assistant, Beth was immediately christened “Baby Doll” by the students. Legend has it that she turned quite a few heads among the engineering students until she said “yes” to one Carl Hoffmann.

Immediately after World War II, there was an influx of married students. For a number of years the graduating seniors presented to their wives a diploma, “Master of Patience in Husband Engineering”, at the senior reception. Beth was so highly regarded by the students that they in-


THE SOCIETY OF TULANE ENGINEERS

Dues $3.00 per year

The aims and purposes of this organization are as follows:
1. To keep members of this organization informed of the progress, activities and needs of the School of Engineering.
2. To provide close 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 of raising funds for specific equipment and services.
5. To provide an advisory group whose purposes it is to recommend improvements in curriculum, instruction and classroom procedure.

Asst. Prof. Niklaus Awarded Ph.D

In August of this year John L. Niklaus received the Doctor of Philosophy degree from the University of Washington.

Dr. Niklaus is a member of the faculty of the Civil Engineering Department at Tulane University, where he has served as an assistant professor since September 1963.

His dissertation, "The Mode Split Model in Urban Transportation Planning and Implications of Decennial Census as a Data Source", reflects his interest in the fields of Urban Planning and Transportation Engineering. This research was directed toward analyzing the relative demand for public and private transportation and its relation to comprehensive urban planning.

Dr. Niklaus teaches courses in Urban Planning and Computer Analysis at Tulane University and is co-director of the Canal Street Improvement Project, a research effort directed toward the improvement of the Canal Street environment.

He is a native of New Orleans, graduating from Holy Cross High School, and has received his B.S. and M.S. degrees from Tulane University.

ENGINEERING CURRICULUM

Last June Maurice Porte and Walter Klenz received Bachelor of Science Degrees in Engineering. Unlike the other engineering bachelor degrees theirs had no departmental designation. Messrs. Porte and Klenz were the first graduates of Tulane's ENGINEERING CURRICULUM.

Walter Klenz is now a Graduate Student in the School of Business Administration. Walter has no intention of becoming an engineer. From the time he entered the Engineering Curriculum his goal was to prepare for a career in management with an engineering foundation. His undergraduate program in engineering permitted him to study engineering fundamentals and to complete almost one year of his MBA program.

Maurice Porte is on active duty with the Air Force and intends to become a career officer. His study program was planned by faculty members from the Air Force ROTC and the engineering school to provide an educational experience similar, but not identical to that received by graduates of the military academies.

The programs pursued by Messrs. Porte and Klenz, although considerably different from each other, had this in common. Both had the same core of engineering and science courses and both were programs designed to provide an opportunity for students, who do not intend to practice engineering, to receive their basic professional education in an engineering school. At the present time this seems to be the general objective of many of the students following the Engineering Curriculum. Management with an engineering base is the most popular with pre-med in engineering a close second. One student intends to become a career officer in the Navy and another a technical writer. Thus the Engineering Curriculum officially recognizes the fact that an engineering education can provide a good base for non-engineering professions.

Another group of students in the Engineering Curriculum intend to be engineers. Their professional objectives are not satisfied by the less flexible departmental programs. Although the titles of all of these programs may not provide true description of the individual programs here are a few examples: Engineering Science, Nuclear Engineering, Biomedical Engineering, Oceanographic Technology, Environmental Engineering, Aerospace Engineering, and En-

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First Ph.D's in Civil Engineering

The first Ph.D degrees awarded in the Department of Civil Engineering at Tulane were conferred at the Summer School commencement in August of this year. Messrs. Engelbert Fritschi and David Gustafson were the recipients.

Mr. Fritschi worked on research involving biological and radiological wastes from the Delta Regional Primate Center at Covington, Louisiana. He has accepted a position with the World Health Organization and will be located in Switzerland. Mr. Gustafson's research had to do with shearing stresses in pre-stressed concrete bridge girders. He has accepted a position as Assistant Professor of Civil Engineering at Michigan Technological University at Houghton, Michigan.

THE CLASS OF 1971

The 1967 entering freshman class is the most talented in the history of the school and the largest group in some years. Some of the characteristics of the class are as follows:

Number of Students — 13:
27% from the New Orleans Area
40% from Louisiana
50% from out-of-state

Mean College Board Scores:
Math 625 (top 7%)
Verbal 548 (top 10%)

*Compared with all high school seniors taking the tests
Other data: 48% ranked in the top 10% of their high school classes
19% between top 10% and 20%
14% between top 20% and 30%

The class includes two young ladies, Miss Joan Dauterive of New Orleans and Miss Anne Hargrove of Baton Rouge—both extraordinary students. An interesting fact is that the present senior class includes 81 students which makes it one of the largest senior classes in many years. The quality of the entering classes for the past several years is beginning to show in terms of the size of the graduating class.

Engineering Curriculum

(Continued from Page 2)

Engineering Mathematics. Most of these programs are designed to be followed by graduate study.

Thus the Engineering Curriculum is permitting engineering students at Tulane to receive educational experiences that would not have been possible in the past.

Civil Engineering

The Civil Engineering Department of Tulane University anticipates several new programs which will supplement (Continued on Page 4)

1967 ENGINEERING STUDENTS ON VARSITY FOOTBALL TEAM:


Engineering Queen

(Continued from Page 1)

sisted that her name be listed on this diploma and that she sign the diploma as "Assistant" Dean.

Beth's memory is phenomenal. She knows every student and faculty member who has been in the School of Engineering since she has been in the Dean's Office. This characteristic has been of tremendous value to the School on many occasions.

However, the outstanding features of Beth's long tenure at Tulane have been her complete dedication to the School of Engineering and her wonderfully fine personal qualities that have endeared her to all, faculty and students alike. She has taken a keen personal interest in every phase of the School's operations and has worked overtime at home on evenings and weekends for decades. She has seldom taken a vacation and no one knows how much time she has coming to her.

The high regard in which she is held is revealed by the stirring statement of one faculty member, . . . "Not once in my tenure has she failed to give me good advice when I needed help. She somehow was always able to reduce seemingly complicated situations to their essentially uncomplicated elements, hence, to solutions. This ability, along with infinite patience, are the remarkable characteristics of Beth. "I have always found her to be kind, helpful, considerate, fair, sensitive, full of good humor and of grace. I can't recall one harsh word from Beth to me. I am certain that there have been times when such was called for and would have issued, but for an innate understanding of people and their problems."

In short, Beth has been and continues to be a great blessing to the School of Engineering; a rare gem, no less. Long may she reign!

OFFICERS TO BE ELECTED

Election of officers for the 1968 term will be held at the Society's annual meeting on Saturday, October 28, 1967.

The following slate of officers is proposed by the Nominating Committee:

President—JOHN E. COLES EE '56
1st Vice President—FRANK S. FOSTER, JR. CE '50
2nd Vice President—JAY W. OPGENHEIM ME '56
Secretary—CLAUDE J. KELLY, JR. CE '51
Asst. Secretary—JAMES A. EVANS ME '43
Treasurer—GUY J. SEGHERS, JR. CE '56
Asst. Treasurer—JAMES I. WADSWORTH CHE '60
Director & Publication Chairman—WILLIAM R. LECORNE CE '59
Director—MICHAEL C. ABRAHM ME-EE '24
Engineering Curriculum
(Continued from Page 3)
ment the continuing programs for the coming year.

The recently inaugurated program in Urban Planning has been well received as evidenced by the interest and increased enrollment in this program. The Department has recently been granted funds for a comprehensive study of the Canal Street Area including the Central Business District. Several faculty members and graduate students are participating in this interesting study.

Included among the new program additions is the instigation of Department of Defense Fellowships for graduate work at the Master's level. From among only 20 awards throughout the United States, Tulane was the recipient of two awards. Each award carries a value of $5000, to be applied to the nine-month academic year. These Fellowships will serve to supplement other work being done by the Civil Engineering Department under an existing $78,000 contract with the Department of Defense.

The Environmental Health Engineering program is aimed at providing highly trained engineers capable of dealing with both design and research problems in the environment arising from modern industries, municipalities and agriculture. Environmental Health Traineeships are available for qualified engineers to enter our graduate program. Research is presently under way in the areas of water and waste water treatment, air pollution control, solid waste disposal and radiological health.

Facilities in the Civil Engineering laboratories are utilized for specialized courses and research projects. In addition there are facilities available at the Delta Regional Primate Center at Covington, Louisiana and at the Tulane Riverside Research Laboratories at Belle Chasse, Louisiana.

Mechanical Engineering

In 1963 Tulane's Mechanical Engineering freshmen enrolled in a new curriculum which strongly emphasized an eight-semester sequence of Engineering Design and Analysis courses. When those young men graduated last June, it seemed appropriate to evaluate the results of this program. After a long series of committee meetings and general faculty meetings the Mechanical Engineer-

ments compare favorably with Tulane in terms of Ph.D. productivity: California (Berkeley), Delaware, Ga. Tech., U. of Illinois, Northwestern, Purdue, Maryland, University of Michigan, Minnesota, Brooklyn, Ohio State, University of Oklahoma, Rice, University of Texas, and Wisconsin.

Electrical Engineering

Engineering curricula must be designed to prepare students for future as well as present demands of technology. Consequently, course content must be changed frequently, and periodically major revisions are necessary. The most recent revision of our electrical engineering curriculum was made this year in the junior year. Mechanics of Materials and Mechanical Engineering Laboratory were replaced by Materials Science. Advances in engineering are so dependent on developments and applications of new materials, that students must learn more about the relation between physical properties and atomic and molecular structure. Several years ago, this study of conductors, semiconductors, dielectrics, and magnetic materials was a senior EE elective. The new course is now a prerequisite for study of electronic devices. Senior electives in information theory, statistical communication theory, and digital logic systems also indicate the effects of advances in Technology.

The development during the past year of a hybrid computer facility for the School of Engineering has proceeded very well. Acquisition from government surplus of an ATHENA missile guidance, digital computer, an analog computer, and the necessary interfacing equipment plus the diligent efforts of faculty and staff have given us a working facility which has already shown its value in education and research.

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