New Co-op Scholarship Plan

Assistant Dean John L. Martinez has developed a new plan to help scholarship-level students attend Tulane University as a selective academic institution, and simultaneously to acquire some industrial experience as engineering trainees. The plan calls for industry to provide scholarship support and summer employment to students after their freshman, sophomore, and junior academic years. The suggested scholarship awards are $1000, which, with the student's summer earning potential, will enable him to plan his academic program based on his own academic and financial resources.

An industry, in establishing such a scholarship, will make a contribution both to private education and to the education of talented young men. The student will acquire a knowledge of an industry and an appreciation of the opportunities with that company after three summers of work as part of his schedule. However, there will be no commitment on the part of the company or the student at the completion of the co-op arrangement.

A student will qualify for a co-op scholarship by successfully completing the freshman academic year in engineering at Tulane with a grade point average of 2.5 or better. He should already have qualified for scholarship on the basis of academic ability and financial need.

Donna Boensel Wins Levey Award for 1966

The Levey Award for 1966 was received by Mr. Donald W. Boensel, B.S.E. (Electrical Engineering), Tulane, 1955 and M.S. (Electrical Engineering), M.I.T., 1957. Mr. Boensel also expects to receive the Master of Business Administration degree from the University of Southern California in 1968.

Dr. Canter Joins Civil Engineering

A new appointment to the faculty, made just recently, is that of Assistant Professor Larry W. Canter in the Department of Civil Engineering. Professor Canter has recently completed all of the requirements for the Ph.D. at the University of Texas, where his doctoral research is on "The Transport of Chromium-51 in (Continued on Page 4)"

Senior Dinner and Awards Program Scheduled for May 4

The Society of Tulane Engineers' buffet dinner honoring the members of the 1967 Engineering graduating class and the faculty has been scheduled for Thursday, May 4, 6:00 p.m. in the Kendall Cram Room of the University Center.

DeWitt L. Morris, President of the Society, will preside. The guest speaker will be Mr. Elmo S. Koschel, Industrial Development Manager of Southern Bell Telephone and Telegraph Company.

The program will also feature presentation, by Dean Johnson, of the various medals, prizes, and awards won annually by seniors in engineering.

Members of the Society are invited to attend the dinner (cost $2.75). Those who plan to attend should make reservations by telephoning the Dean's Office (865-7711, Extension 404), no later than Friday, April 28.

Message From the President

Many of you have already answered our first mailing for annual dues donation of $3.00 to your School of Engineering. We are well pleased with the response to date, but urge all who have not sent in their dues to do so soon. Past funds have been used to help our School of Engineering in many areas. This year, however, Dean Johnson has indicated that the School has a special project for which these funds would provide considerable help. The greatest need of our profession is the training of more and better engineers and, of course, our goal should be to send more students to the Tulane School of Engineering—both undergraduate and graduate. Two special programs which will help attract the best students are planned and additional funds are needed to make them successful. One is an (Continued on Page 2)
School of Engineering
Office of the Dean

Dr. Raymond V. Bailey, Head of the Department of Chemical Engineering, has been appointed Assistant Dean in the Office of the Dean with responsibilities for coordination of research activities in the Department, including administration of research proposals and grants, procurement of support for graduate scholarships, fellowships, and research projects in coordination with the office of the Vice President for Institutional Development, and the procurement of interdisciplinary training and research grants. He will work with department heads and faculty to develop any departmental graduate course offerings to mesh with corresponding research programs and avoid unnecessary duplication in the course programs.

Dr. Bailey will continue as head of the Department of Chemical Engineering, a position which he has held since 1951. He is a graduate of the Louisiana Polytechnic Institute and holds the Doctor of Philosophy degree from Louisiana State University. Dr. Bailey taught at the University of Mississippi before coming to Tulane and served in the U.S. Army during World War II. He is the author of numerous technical publications and has been active in the American Institute of Chemical Engineers at both the local and national level. He and his colleagues in chemical engineering have pioneered in the areas of process simulation and control and are recognized as being in the forefront among chemical engineering departments.

Assistant Dean John L. Martinez will continue in his present duties which include responsibility for undergraduate recruiting, admissions, and curricula as well as academic evaluation and counseling.

SOCIETY OF TULANE ENGINEERS
Financial Statement

November 5, 1966 through April 5, 1967

Receipts:
Cash on Hand November 5, 1966............................................$ 549.06
Dues & Donations collected (668 members).......................... 2097.00

$2,646.06

Disbursements:
Annual Meeting Speakers travelling expenses................. 35.00
(this was generously donated to Society by Dr. Wallace)
Hauser-American October Issue Printing of
“Tulane Engineers”.......................................................... 125.47
Tulane Alumni Assn. Mailing of Bulletin................. 70.37
Tulane University—Mr. Harold Levy Memorial Gift........ 25.00
Engineers Club of New Orleans—Participation Dues... 30.00
Hauser-American—Membership Solicitation Letter....... 218.40

504.24

Net Cash on Hand April 5, 1967.................................$2,141.82

James M. Robert Leadership Award Fund
Balance on Hand Nov. 5, 1966.......................................... $1387.88
Interest through Dec. 31, 1966............................. 38.07

Balance on Hand April 5, 1967...................................... $1,425.95

Claude J. Kelly, Jr., Treasurer

Message—
(Continued from Page 1)
orientation and training seminar for high school guidance counselors which will help provide additional undergraduates. The second is a seminar for students and faculty which has on its program outstanding professors from leading engineering schools across the country. The latter will be a means of acquainting other faculties with the outstanding contribution that Tulane's School of Engineering is making to engineering education and will help attract graduate students.

Payment of your dues will make these programs a success as well as many others in our School of Engineering.

DE WITT L. MORRIS
President

STE Fund Provides Flexible Support

The annual gifts of the Society of Tulane Engineers to the School of Engineering for unrestricted use are placed each year in a fund designated as the Society of Tulane Engineers Fund. This unrestricted fund has enabled the School of Engineering to solve many financial problems successfully which could not otherwise have been solved.

The University’s resources have been used as much as possible to increase faculty salaries and acquire new faculty members in the past few years. Allotments for supplies and expenses, equipment, travel and such have been held to an inadequate minimum.

In the past year, the STE Fund has enabled the Dean to provide furniture for an additional faculty office and faculty travel to professional meetings to present papers. The Fund has also served a valuable backup purpose to support faculty research. Portions of the fund, at present, are committed to help acquire such pieces of equipment as gas chromatograph, a shock tube, and an Ingstrom testing machine. Although faculty members are constantly seeking support from outside, this fund serves a valuable service in enabling them to acquire equipment in the event that they are unable to secure full support from outside research agencies.

PAY YOUR STE DUES TODAY
THE TULANE ENGINEER
Published by the Society of Tulane Engineers, whose officers are: President.............DeWitt L. Morris 1st Vice Pres.............John E. Coles 2nd Vice Pres.............Frank S. Foster, Jr. Secretary.............Jay W. Oppenheim Asst. Secretary.............James A. Evans Treasurer.............Claude J. Kelly, Jr. Asst. Treas.............Guy J. Segers, Jr. Director & Publication Chairman.............William E. LeCorgne Director.............Michael C. Abrahm Past President.............Nestor B. Knoepfler April 1967

Founder of Levey Award Passes Away
On January 19, 1967, Harold A. Levey, founder of the Levey Award for recognition of achievement on the part of young outstanding engineering graduates of Tulane, passed away. Mr. Levey attended the annual meeting of the Society of Tulane Engineers last November to present a gold key to Mr. Donald W. Boensel, the eighth recipient of the Levey Award established by Mr. Levey in 1959. The award was evidence of Mr. Levey's interest in young engineers. He did not specify any particular achievement but wished to recognize unusual technical accomplishments that might lead to publications or patents, outstanding designs, special executive or management ability, and unusual contributions to the community as well as to the profession.

Mr. Levey's family has informed the Dean of the School of Engineering of their desire to continue this award in memory of Mr. Levey so that it will continue to be a feature of the annual meeting of the Society.

—

Pre-Medical Program in Engineering
In September 1966 the School of Engineering at Tulane inaugurated a premedical program. Its purpose is to provide an additional channel through which a few future physicians may prepare for careers in modern medicine in which various aspects of engineering are becoming deeply involved. This group of students will consist of those who wish to be physicians but who have equal- ly strong aptitudes in mathematics and science.

It should be emphasized at the outset that this premedical program is established to produce physicians, not engineers. On the other hand, those who may not find it possible to enter (Continued on Page 4)

New Athena Computer Now in Operation
The picture above shows Mr. Robert Rood, Research Assistant, and Tulane engineering students working at the new Athena computer facility which was acquired from the de-activation of a Titan missile base and set up and administered by Dr. Charles H. Beck, Associate Professor of Electrical Engineering. This computer will be tied in with analog computer facilities in the School to provide the resources of a hybrid computer system. It is also planned to tie it to the equipment in several of the Engineering School laboratories.

The computer was acquired by the efforts of the Joint Systems Group of the School of Engineering. The chairman of the group is Dr. Robert E. C. Weaver, of the Department of Chemical Engineering. Other members are Dr. R. V. Bailey and Dr. Victor J. Law of Chemical Engineering, Professor James Cronvich, Dr. Beck, Dr. Robert Drake and Dr. Daniel H. Vliet of Electrical Engineering, and Dr. Robert Watts of Mechanical Engineering.

CLASS OF 1917 TO RETURN
On May 29, the Class of 1917 will return to the campus to receive new diplomas in honor of the 50th Anniversary of their graduation from Tulane School of Engineering.


Dr. Cowin on Leave in 1967-68 for Research Abroad
Dr. Stephen C. Cowin, Associate Professor of Mechanical Engineering, has been awarded support by Tulane's University Council on Research for a leave of absence in 1967-68. Dr. Cowin will spend the year in study and research in the Department of Theoretical Mechanics at the University of Nottingham in England. The objective of his research is to establish a kinematical basis for a physically realistic continuum theory for granular media.

Dr. Cowin, whose field of specialization is Continuum Mechanics, came to Tulane as Assistant Professor of Mechanical Engineering in 1962 from Pennsylvania State University where he had just completed work on the Ph.D. degree. He was promoted to the rank of Associate Professor in 1965.
Pre-Med Program—
(Continued from Page 3)
medical school have another career, one in engineering, open to them.

The program has been inaugurated with the knowledge and concurrence of the Dean, the Admission Committee, and the Curriculum Committee of the School of Medicine at Tulane. The chairmen of the various departments of the School of Medicine were asked to comment on the program. The majority of those who replied gave enthusiastic endorsement to the idea and to the curricular options that are available. Many of the comments will be useful in advising students on their particular options.

The two principal options for premedical students are available in Chemical Engineering and the new flexible Engineering Curriculum. Students may complete the basic requirements for admission to the School of Medicine in three years, as may also be done in the College of Arts and Sciences.

Similar programs can be arranged in Electrical and Mechanical Engineering, backgrounds that might be particularly useful in certain areas of medicine. In these cases, a summer program following the sophomore or junior year will be required to obtain the necessary credits in chemistry and the biological sciences.

It is recognized that the new premedical program in engineering cannot provide the optimum program for a majority of future medical students. On the other hand, it does meet a recognized need for some physicians in certain areas in modern medicine where engineering with its new materials and tools, new methods of analysis and design, and new mathematical modelling techniques is having a significant impact.

Levey Award—
(Continued from Page 1)
Switching Circuits for Missile Countdown. He holds 3 patents, Pulse Detector Apparatus, 1962, Reduced Tune-Off Time Transistor Switch, 1963, and Transistorized Switching Circuit, 1964. He has patents pending for a Tunable Notch Filter, a Tunable Function Generator, a Split-Beam Scanner, and a Surface Environmental Detection System. He married Miss Sue Miller, who was formerly Prof. C. W. Ricker's secretary, and has four children.

The award was presented to Mr. Boesel at the Annual Meeting of the Society of Tulane Engineers on November 5, 1966.

Radiation Research Now With Chemical Engineering
Tulane's Radiation Research Section, under the direction of Mr. John Hidalgo, has just been transferred to the School of Engineering as an integral part of the Chemical Engineering Department with the administrative responsibility vested in Dr. R. V. Bailey. The section will be moved into the Chemical Engineering quarters by the end of July.

The Radiation Research Section is a self-supporting, full-time research organization composed of 3 physicists, 2 mathematicians, 1 radiological physicist, 1 radiation technologist, 2 electronic technicians, 1 X-ray technician, 1 isotope technician and 2 secretaries.

In part, the delineation of administrative responsibility of this section was dictated by the availability of housing in Chemical Engineering. However, the resources of the group will not be restricted to Chemical Engineering but will boost substantially the research capabilities and activities of the entire Engineering School.

Dr. Canter—
(Continued from Page 1)
Aqueous Environments.” He obtained his bachelor's degree at Vanderbilt University and his master's degree from the University of Illinois. Before going to the University of Texas, he served as an Instructor in Radiological Health for several years at the U. S. Public Health Service, Taft Sanitary Engineering Center, in Cincinnati.

He is a member of Sigma Xi, Chi Epsilon, and also of the American Water Works Association and the Water Pollution Control Federation. He holds a reserve officer commission in the U. S. Public Health Service. He is married and has one young son.

SOCIETY OF TULANE ENGINEERS
TULANE UNIVERSITY ALUMNI HOUSE
6219 WILLOW ST.
NEW ORLEANS, LA. 70118

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 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 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.

Dr. Barron Awarded Fulbright Fellowship for 1967-68
Dr. Charles H. Barron, Jr., Associate Professor of Chemical Engineering, has been awarded a Fulbright-Hays International Exchange Grant to lecture in Chemical Engineering at the Catholic University of Louvain, Louvain, Belgium, during the 1967-68 academic year.

Each year some 500 U. S. faculty members are selected for lecturing assignments abroad under the program, which also applies to persons in advanced research, graduate study, teaching in elementary and secondary schools, and other specialized fields, as well as to foreign students and faculty members who come to the United States.

Dr. Barron joined the Tulane faculty in 1962 as Assistant Professor of Chemical Engineering and was advanced to the rank of Associate Professor in 1965.