GIRLS, GIRLS, GIRLS!!

Dean Hulbert with Some of “Les Girls”.

With 27 incoming freshwomen and several transfer students, the School of Engineering finds itself with 15% of its first year class and 43 (over 8%) of the undergraduate students of the fair sex. These enrollments represent some of the largest female representations in the country.

Everyone is somewhat flustered over the situation. Dean Hulbert had his picture taken with each girl and the Public Relations Office is sending a copy to each girl’s high school and hometown newspaper. The faculty realized that a crisis was at hand, and willingly converted a faculty rest room into another Ladies room. However, after 20 years of history and a lot of absent-minded faculty, we do have a little problem. Dr. Watts holds the record.
ENGINEERING ENROLLMENT REACHES NEW HIGH

Fall, 1974 undergraduate enrollment is 501 students up from 428 in 1973. This figure represents the largest undergraduate enrollment since the Korean War - almost 20 years ago.

The largest increase is in freshman enrollments - up to 195 from 137 last year. Of these, approximately 190 came directly from high school and this represents a 40% gain in freshmen. Freshmen? Perhaps we should say freshpersons as the first class includes 27 females which breaks the previous record of 9.


Representatives of foreign countries or territories include students from: Brazil, Puerto Rico, Panama, England, Venezuela, Colombia, Malasia, Nicaragua, Jamaica, Trinidad and Australia.

Engineering continues to have the highest percentage of foreign students of all undergraduate divisions.

Quality of the class? Fine. An analysis of incoming freshman classes by the Admissions Office indicates that the academic qualifications of the Engineering class easily exceeds that of the other undergraduate divisions.

Where did the numbers come from? The extensive recruiting programs of the last few years have sustained Tulane's enrollment in a sharply declining market. Now, in a much more favorable climate, these programs, in addition to national searches conducted through the College board and the American College Testing Service have yielded gains far beyond the predicted 10% national rebound. Increased faculty participation has also been a substantial factor.

Another surprising gain was experienced at the sophomore level. Transfers from other schools and internally from A & S have bolstered the sophomore class to 122. This is as many sophomores as would ordinarily have continued from a starting class of 100.

The "good word" regarding the opportunities awaiting the engineering graduates is spreading throughout the University student body and there are more transfers to engineering than in the other direction. Some of the old grads will find that hard to believe.

PRESIDENT'S MESSAGE

Dear Fellow Member:

It is that time again when the STE President reminds the membership that dues and donations would be greatly appreciated. After checking with boss (Beth Hoffman) I found that STE still owes $1,000.00 toward the renovation of Room 205. Our first payment was in November 1971. This work has been completed for some time now and continues to be a bright spot in the School of Engineering.

Recently, 38% of Tulane Engineers participated in Alumni giving, for which we can be proud. It would further add to engineering prestige if all we participated in STE by remitting dues ($3.00), and, if at all possible, a donation toward the final payment for Room 205.

I hope each of you has had a pleasant summer and a profitable year. STE looks forward to seeing you at Homecoming.

"ERIN GO BRAUGH"

Sincerely,
Daniel E. Kirkley, Jr.
President, STE, 1973-74
DR. DAVID WETING NEW HEAD OF MECHANICAL ENGINEERING

His work on dynamic flow behavior of artificial heart valves is considered to be a classic in the field of biochemistry. He provided the engineering support for many of the major cardiovascular research programs at the Baylor College of Medicine.

Dr. Wieting earned the B.S. in Mechanical Engineering from Lamar State College of Technology, the M.S. and Ph.D. in Mechanical Engineering from the University of Texas. He also has a Ph.D. in Physiology, awarded by the Baylor College of Medicine. During the past few years he has held academic and administrative positions at the Baylor College of Medicine and Rice University in Houston, Texas. He is a member of several professional and honor societies and is the author and co-author of many papers on blood flow characteristics and heart valve designs.

Dr. Wieting is married and the father of two children. Mrs. Wieting is an Associate Professor of English at Xavier University.

SHORT COURSES SCHEDULED

Two short courses have already been offered and a third is scheduled for late November.

The first, Electrical, Electronic and Logic Fundamentals for non-professional technical personnel was scheduled for September 10, 1974. The course was offered by Dr. Paul F. Duvoisin of Electrical Engineering and was intended to prepare mechanics and technicians for the electronically-based instrumentation and control systems which are obsoleting much traditional equipment.

Dr. Duvoisin had conducted a highly successful "in-house" course for the Times Picayune during Summer, 1974.

The second annual offering of Design of Structures for Extreme Winds was scheduled for October 17-18, 1974. Course Director was Dr. Robert N. Bruce, Jr., of Civil Engineering with Dr. Hugh A. Thompson of Mechanical Engineering and Associate Dean Richard O. Powell of Architecture also members of the course faculty. A faculty "dividend" was Mr. Herbert C.S. Thom, renowned climatologist, who has retired and moved to New Orleans, A registered Civil engineer, Mr. Thom is the author of scores of papers including definitive works on weather patterns, extreme winds and their peaks and durations.

The third offering and the only one for which this publication can serve as an announcement is Finite Element and Computer Methods for Laterally Loaded Piles and Sheet Piles scheduled for November 21-22, 1974. The Course Director is Dr. Peter Y. Lee of Civil Engineering. Guest lecturer is Joseph E. Bowles, M.S., P.E., of Bradley University, author of several books on Soil Mechanics and Foundation Design. Information regarding the course may be obtained from Dr. Lee at 865-4401.

H. A. LOTT SCHOLARSHIP AWARD

The first recipient of the H. A. Lott award was Mr. Raymond Areaux. Mr. Areaux, a New Orleanian, recently graduated first in his class from Rummel High School. The H. A. Lott is an annual award given by H. A. Lott, Inc. of Houston Texas.

MAIL YOUR STE DUES TODAY

JOB OUTLET BRIGHT FOR 1975 GRADUATES

By Mason Webster, Director of Placement

"The graduating engineer's lot is a happy one," to paraphrase Gilbert and Sullivan just slightly.

The number of interviewing visitors scheduled to come to Tulane during the 1974-75 academic year is up 25% over the number who visited during 1973-74, according to Mason Webster, Director of Placement. This number has been steadily on the increase each year since the low point reached during the recession of the early 1970's, he said.

In addition, the many studies conducted on the subject all indicate the same fact, namely, that there will be a serious shortage of engineers in the years immediately ahead. For example, a study by the Southern Regional Education Board projects a minimum annual need for 44,000 engineers. Yet, with the effect of declining engineering enrollments in recent years now begining to be felt, the expected annual supply of graduating engineers in the next year is only 28,000, and will not reach even 40,000 during the remainder of the decade. This situation speaks loudly and clearly for itself into the early 1980's. "For the Southern region," says the study, "the gap between available graduates and jobs will mirror the national imbalance.

DON'T FORGET THE SOCIETY'S ANNUAL MEETING LUNCHEON

12:30 PM, Saturday, November 2, Faculty Dining Room, University Center. Cost: $5.00 per person. Social half-hour with cash bar, from 12:00-12:30 followed by buffet luncheon. Telephone for reservations (no later than October 31, please!) to 865-6105 - or write to Dean's Office, School of Engineering.
SEMINAR PROGRAM FOR HOMECOMING ENGINEERING ALUMS

The School has planned an interesting and varied program of one-hour seminars for Friday, November 1. The seminars will be held in the University Center from 9:00 - 4:00, with "dutch-treat" lunch from 12:00 - 1:00. There is no charge for the seminars. Please let the Dean’s Office know if you plan to attend so that luncheon arrangements can be made.

HOMECOMING SEMINAR PROGRAM FRIDAY, NOVEMBER 1

9:00
Electrical Engineering and the Energy Crisis
Daniel H. Vliet, Professor of Electrical Engineering

10:00
Design and Evolution of a Cardiac Assist Device
David W. Wieting, Associate Professor of Mechanical Engineering and Bioengineering and Head of Department of Mechanical Engineering

11:00
An Engineering Look at the Future
Edward H. Harris, Professor of Mechanical Engineering

12:00
Luncheon

1:00
"Design of Water Disposable Packaging Container"
Samuel F. Hulbert, Dean of the School of Engineering

2:00
Disaster Plus Two Minutes
Chester A. Peyronnin, Professor of Mechanical Engineering

3:00
"Foundation Failures"
Peter Lee, Associate Professor of Civil Engineering

4:00
"Noise Control"
Claude J. Sperry, Jr., Professor of Electrical Engineering

SOCIETY OF TULANE ENGINEERS [STE]

The STE Nominating Committee selected the following candidates for 1974-75 officers:

President: Lawrence C. Grundmann, Jr., ME ’61
1st Vice President: George A. Swan, III, ChE ’69
2nd Vice President: Frank M. Denton, CE ’59
Director & Publication Chairman: Thomas L. Jackson, CE ’70
Director & Historian: Sam Burgieres, Jr., CE ’70
Treasurer: Roy A. Perrin, Jr., ME ’61
Asst. Treasurer: Ronald P. Cressey, CE ’52
Secretary: William Baker, ME ’55
Asst. Secretary: David Miner, EE

Elections will be held at the Society's Annual Meeting on Saturday, November 2, 1974.