Springtime on campus ushered in by Engineering Week projects, displays

Passersby on the campus quadrangle could not help but notice that February 20 through 24 was National Engineering Week. During the week each division of the School of Engineering displayed projects relative to their fields of study. In alphabetical order, the exhibits were as follows:

Biomedical Engineering: Lung capacity measurer and display of a handsome skeleton.

Chemical Engineering: Solar powered coffee maker and polymer magic show.
(The coffee was hot, but...)  

Civil Engineering: Four-foot wide, 84 foot long cable stayed bridge, aptly dubbed “Bridge Over the River Quad”.

Computer and Information Systems: Computerized games including STAR WARS and three-dimensional TIC-TAC-TOE.

Electrical Engineering: Free analysis of stereo speakers and a hologram of a very cute girl who winked seductively at all who passed

Mechanical Engineering: Erected a 16 foot diameter windmill on the quad.

Public lectures were given free of charge each day during the week. The lectures focused around the main theme of Energy with topics discussed such as solar energy, oil energy, nuclear energy and energy of the future. Speakers included: Louis de Latour, Louisiana Energy Conservation Department; Karl Kodala and Harry Sanger, Tideland Signal Corp.; Ron Brown, Shell Oil Company; Wayne McAlister, Martin Marietta; Henry Markel, Claire Foreman, Dave Robert, Dale Hunn, Marvin Firmin, Hugh Thompson, Louisiana Engineering Society.

The activities were ended on Friday with a celebration dance at Hilton Hotel featuring music by Jubilation. The students would like to thank the alumni that donated money as well as those who participated in the week’s functions.

Harold A. Levey Award to Dr. Peter Lee

The 1977 Harold Levey Award for outstanding achievement in the 10 year period following graduation was presented to Dr. Peter Y. Lee at the Annual Meeting of the Society of Tulane Engineers.

[continued on page 2]
STE President's Message

Dear Tulane Engineer:

One of the real pleasures of the office of president of the Society of Tulane Engineers is the opportunity to speak to all the former students and graduates of the school of engineering through this president's message in the newsletter.

Since graduating from Tulane Engineering School, I have been active in STE as an officer of the Society. In those eight years I have seen great change in the school under the leadership of four deans, Johnson, Macdonald, Hulbert and now Thompson. Each of these men have left something at Tulane. During this time the University has also been led by two Presidents, Longenecker and Hackney.

This period has also been one of tremendous change of attitudes among college students in universities world wide. We have come from the idealistic attitudes of the late sixties where emphasis was on humanities, human rights and social change, to the practicality of engineering and science. Enrollments at the engineering school have jumped dramatically. Classes of 12 to 14 students in the past have given way to much larger enrollment.

Outstanding Alumni Awards

The School of Engineering is proud of all its alumni but particularly proud of two who received alumni awards at the Annual Meeting of the Alumni Association at last Fall's homecoming program.

Jack B. St. Clair, Ch'E '40, was named by the Directors of the Alumni Association as the University's Distinguished Alumnus for 1977. Jack is Executive Vice-President of Shell Chemical Corporation. He has been with Shell since graduation. In his profession at Shell he has served in the Head Office, then in New York, at the Wood River Refinery in Illinois, as Assistant Superintendent of the Martinez, California Refinery, as Superintendent of the Houston Refinery, in London as Head of Shell's North American Division and back in the States as General Manager for Manufacturing and General Manager for Transportation and Supplies. He was named President of Shell Chemical and a Director of Shell Oil in 1967 and in 1976 became Executive Vice-President of Shell Oil.

His current Tulane affiliations include service on the School of Engineering's Board of Advisors, Chairman of the Tulane Engineering Foundation, and membership on the President's Council.

Henry F. LeMieux, Chairman, President and Chief Executive Officer of Raymond International, Inc., was selected by the Society of Tulane Engineers' Board as the School's outstanding alumnus for 1977. Henry has two degrees from Tulane—Electrical Engineering in 1946 and Civil Engineering in 1949. He went to work for Raymond as a field Engineer after graduating and progressed through the ranks in the company from an early assignment as District Representative in New
STE needs your help!!

At the fall meeting, the Society of Tulane Engineers presented a check for $4,000 to Dean Hugh Thompson for the Engineering Foundation. This money was used in upgrading laboratory facilities of the school. A great deal of progress has been made in that respect as a quick visit to the school will certainly verify. This program has been very successful because of the generosity of people like yourself.

There are still many needs around the engineering school, not the least of which is support of student projects such as engineer’s week. STE has set as a goal this year presenting Dean Thompson a check for $5,000 at the fall meeting. This can only be done with your help. Dues notices recently mailed asked for contributions, no matter how large or small. Please consider adding a contribution to your check for the STE dues. Dues and contributions should be sent to: Society of Tulane Engineers, c/o Dr. Dan W. McCarthy, Treasurer, School of Engineering, Tulane University, New Orleans, Louisiana 70118.

Plan your engineering staff of the future

Engineering employers continuously find themselves faced with solving the problem of staffing. More often than not, the right man for the right project, if not already a staff member, is not available or will require time to become a member of your team.

Without employment of young engineers, time is lost in training, both to the practice of engineering after completion of school and to orientation with the operation of your firm.

Employers of student engineers during the years that they are in school have found dedication, enthusiasm, and professional pride in those engineering students added to their staff. Upon graduation, the new engineer is familiar with your firm and the orientation period is eliminated. This new full time employee arrives with experience derived from many hours with your firm as a summer or part time employee.

The benefits are two-fold - the new engineer knows your firm and what has to be done, and you have assisted your school in the training of a professional engineer.

Again this year, STE and its student chapter are working together to place Tulane Engineering Students in engineering jobs for the summer. Your assistance as an alumni is asked in accomplishing this goal.

If you can assist in this program of engineering job placement for student engineers, please contact:
George C. Kleinpeter, Jr.,
Vice President
Burk and Associates, Inc.
4176 Canal Street
New Orleans, LA 70119
504-486-5901

Your help is needed and the future of us all depends on it.

Senior dinner

On April 20 Tom Jackson, President of the Society of Tulane Engineers, will preside at the Annual Senior Dinner honoring the graduating class.

This will be by far the largest ever, requiring the use of the Cram Room, and the adjoining Anderson and Faculty Dining Rooms to accommodate this year’s 170 graduating seniors, their guests, and the faculty, Society representatives and special guests.

Awards to the outstanding members of the class are presented as a feature of the program. The Society’s award for Excellence in Teaching will also be made at this program. This will be the third Teaching Excellence award — the first in 1976 having gone to Dr. Lee Johnson and the 1977 award to Dr. Dan H. Vliet.

For reservations for the dinner, call the Dean’s Office: 865-6105.

Again, the day is April 20, the time 6:30 p.m., the cost $6.50.
Microcomputers
short course—May 16

A one-day short course in *Introduction to Microcomputers* will be held on Tuesday, May 16 in Room 205, Mechanical Engineering Building. This course is for engineers, housewives, high school students — anyone who wants to learn about the fascinating uses of microcomputers.

The fee is $60, which includes test materials. For further information call Dean Ray Bailey at 865-4183 or Dr. Charles Beck at 865-4411.

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Laboratory Upgrade Program
Progress Report

During 1977-78 the pace of our laboratory renovation and expansion program accelerated as plans were finalized and funding for equipment became available.

As has been reported in an earlier issue of the *Tulane Engineer*, the Soil Mechanics Laboratory in Civil Engineering and the Materials Laboratory in Mechanical Engineering were renovated during 1976-77. These facilities saw extensive service for the first time this year and contributed significantly to the quality of the educational programs in these two divisions. In addition, there was, during 1976-77, an expansion of the main frame computing capabilities, an expansion leading toward future developments.

At the beginning of the current year renovation and expansion plans were at various stages of development in Chemical, Civil, Electrical, and Mechanical Engineering. Re-working of existing experiments and the addition of new experiments was undertaken in the Unit Operations Laboratory of Chemical Engineering. Parts and equipment for much of this work are on order with suppliers. Materials Testing capability has been combined for the joint use of Civil and Mechanical Engineering. Existing equipment has been cleaned and renovated. Significant purchases of new equipment have been filed with suppliers so that we await delivery. Initiatives of 1976-77 have now been expanded in Mechanical Engineering for the development of a Thermodynamics and Fluids Laboratory. At the present time the Department of Physical Plant is reconditioning space for this new laboratory. Electrical Engineering equipment has been tentatively selected to provide a complete revision of the electronics laboratories. Funding for this effort amounting to $200,000 has been made available by the generous bequest of Mr. Pendleton Lehde.

Building on the 1976-77 expansion of our main frame computing capability, a computational laboratory was placed in service this spring. This laboratory provides 15 terminals for the time-shared use of students in advanced engineering courses as well as majors in the Computer and Information Systems Program. Although this laboratory was opened only a few weeks ago, it has been crowded, perhaps excessively, with student users. Clearly it is a facility which enjoys wide spread acceptance by both students and faculty because of its potential for a more modern approach to the use of computers.

At the present time many of the plans for this year's work have not been developed to the point where significant student use has been possible. Equipment is on order; we await delivery. Renovations of physical space have either been undertaken or scheduled by Physical Plant. By the beginning of the summer, it is hoped most of these dreams will be transferred to reality. When they are completed, total expenditures for laboratory improvements will amount to $450,000. There will remain approximately $200,000 for the improvement of other laboratory facilities within the School. This additional funding will provide the basis of our laboratory renovation effort in 1978-79.

The generous support of engineering alumni in terms of their energy, time and treasure has been essential in bringing this program to its present stage of completion. Without this loyal alumni effort, the considerable progress of the last two years would not have been possible.

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In Memoriam

With sadness we report that David Henry who served so capably as Electronics Technician for the School of Engineering for the past 14 years, died on December 18, 1977.
Note from the Treasurer

Historically, dues are paid by about 650 out of the approximately 4,000 members of the STE. The income from dues and contributions is used for printing expenses, the annual awards banquet, etc. In addition, an average of about $7.00 per dues-paying member is received in donations which has enabled us for the last few years to make contributions of up to $4,000 per year to the School. Including both dues and donations, this averages out to about $1.60 per member while our basic dues are $3.00 per member. Your School has not forgotten you and evidences this by insisting upon maintaining its reputation of excellence in the engineering circles which further enhances the value of your degree. Let us not forget our School. If you have not already done so, send in your dues, and those of you who can, and that includes most of us, include a $5.00, $10.00 or more donation. Be proud of your degree and the institution it represents.

Society of Tulane Engineers

Financial Statement

April 1, 1978

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STE OFFICERS 1978-79

President: Thomas L. Jackson CE'70
1st Vice President: Roy A. Perrin, Jr. ME'61
2nd Vice President: George C. Kleineter, Jr. CE'70
Secretary: John Holtgreve, Jr. CE'70
Assistant Secretary: Ashton B. Avegno, Jr. CE'72
Treasurer: Dr. Dan W. McCarthy ChE'72
Assistant Treasurer: Ronald P. Cressy CE'52
Director of Publication Chairman: Dr. Victor Law
Director & Historian: Clay Louis ChE'61

The Society of Tulane Engineers annually presents graduates from the School of Engineering with a certification of membership to the Society. This is something every graduate should be proud to own and display. For how to obtain your copy contact Dan W. McCarthy, Treasurer, at 865-4181.
The distinguished group pictured above are officers of the Society of Tulane Engineers for 1977-78. From left to right, Roy Perrin, Vice President, Thomas L. Jackson, President, Ron Cressy, Assistant Treasurer, George Kleinpeter, Jr., 2nd Vice President, Ashton Avegno, Assistant Secretary and Danny McCarthy, Treasurer. Missing are John Holgreve, Secretary, Vic Law, Director of Publications and Clay Lewis, Director and Historian.

SOCIETY OF TULANE ENGINEERS
Tulane University Alumni House
6319 Willow Street
New Orleans, La. 70118

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