Spring, 1979

DANNY ENZONE

LEVEY AWARD FOR 1978

Pictured above is Dean Hugh Thompson presenting the HAROLD A. LEVEY AWARD for 1978 to Danny J. Enzone, B.E. in Electrical Engineering, 1968. The presentation took place at the Annual Meeting of the Society of Tulane Engineers. The Honors and Awards Committee selected Danny for his significant achievements in the ten year period after graduation.

Upon graduation from Tulane, he joined the Air Force in the Reserve Officer's Training program. His military service involved managing and directing the maintenance of data/voice systems and air traffic control facilities. During his period of service with the Air Force he earned a Master of Business Administration degree from the University of Southern California.

In 1972, he left the Air Force (with the rank of Captain), and joined the Consumer Products Division of Texas Instruments as a Design Engineer in the Scientific Products Department. During the next two years he helped design and develop the SR-20 Desk top, SR-22 hexa-decimal and SR-51 hand-held slide rule calculators. During this time he also earned a master of Electrical Engineering degree from Southern Methodist University.

In 1974, he was promoted to Program Manager at Texas Instruments with total developmental responsibilities for the SR-51 hand-held product. Over the next three years his emphasis shifted to programmable products. Notable accomplishments in this period were the proposal, product definition and program development of the SR-56, TI-57, TI-58 and TI-59 calculators, these products having significant impact on TI’s market position in programmable products.

When the Consumer Products Technology Center was relocated to Lubbock in 1977, he became the Product manager (combined Engineering Manager and Business functions) for Programmable Calculator Products, reporting to the Professional Calculator Division Manager. He has since been named the Strategy Manager for

the Programmable Calculator Business Objective and is currently engaged in the development of new products and technologies.

1978 OUTSTANDING ALUMNUS

Pictured above is Thomas J. Feehan, the School's Outstanding Alumnus for 1978. He is a graduate of the Chemical Engineering class of 1944 and is now President and Chief Executive Officer of Brown and Root, headquartered in Houston. The honor was conferred at the University's Homecoming meeting last Fall.

Mr. Feehan has been a member of the Engineering School's Board of Advisors for several years and is a member of the President's Council of Tulane University. Among other assignments, he serves as a Director and member of the Executive Committee of the Halliburton Company and a Director of the Texas Research League.
PENDLETON LEHDE ELECTRONICS LABORATORY

The recent bequest of $200,000 by Mr. Pendleton E. Lehde will be used to rehabilitate and re-equip the several laboratory areas of the Department of Electrical Engineering on the second floor of Stanley Thomas Hall. In 1942, a gift of $10,000 from Mr. Lehde had helped to set up one of these areas as the Radio and Electronics Laboratory. The refurbished complex will be dedicated as the Pendleton E. Lehde Electronics Laboratory.

The rehabilitation, hopefully to be completed during the summer of 1979, will involve installation of new lighting and flooring, refining the present laboratory test tables, and air-conditioning the space. Most important will be the purchase of modern laboratory equipment to replace the present obsolete or obsolescent equipment some of which was purchased with Mr. Lehde’s 1942 gift. The new equipment will include not only analog types such as oscilloscopes, function generators, oscillators, wave analyzers and power supplies, but also digital types such as digital multimeters, frequency counters, microprocessors, digital computers, and digital logic analyzers.

Present and future students in the Pendleton E. Lehde Electronics Laboratory will be able to work in pleasant surroundings, in a comfortable atmosphere, and with up-to-date equipment.

JOB OUTLOOK

The job outlook for engineering graduates is also very good. Many of the seniors have already accepted jobs and the recruiters are still arriving on campus in droves. A senior could have interviewed from 35 to 60 different companies depending on his or her field of engineering. Strong demand has again been seen in the chemical and oil areas.

STE PRESIDENT’S MESSAGE

Dear Tulane Engineer:

I welcome this opportunity to address you as President of the Society of Tulane Engineers. Our organization has ever increasing membership; but few know that because you have had association with the Tulane School of Engineering, your membership in the organization is automatic and lifetime.

We, operating under guidelines of the Articles of Association, are the major alumni contact with the School of Engineering. Purposes include providing alumni with news of university activities, serving in advisory capacity to the School, and providing funding for special projects not covered through normal university channels.

The articles herein reflect School activity and STE’s supportive efforts. Because Tulane is a private institution, your support and encouragement are necessary if its programs are to continue, and its influence is to be manifest in the academic community. My appeal to you is to reflect upon your current position, and for you to commit yourself to a supportive position to Tulane, in concept, time, and financially. As engineers by education, we often overlook the broad spectrum of activity of an academic community and the impact it can make upon its environment.

I hope for health, happiness and success for each of you as each pursues his or her separate endeavors. The bond of Tulane is strong, but can be even stronger with your support.

Yours very truly,
ROY A. PERRIN, JR.
President 1978-1979

JOBS FOR STUDENTS

“The STE is establishing a placement service for student engineers interested in part time employment. This could be summer work or part-time work during the regular school year. We would like to determine the demand for such services and the nature of the work that is available. If you, as potential employers, have a need or are aware of opportunities for employing student engineers on a part-time basis, please notify the Dean’s office. It would also be helpful if you could indicate the nature of the work involved.”

DEPARTMENT CREATED

The University Administration has approved Dean Thompson’s request for a change in status of Computer & Information Systems from “Program” to “Department” effective with the current semester. Dr. Victor J. Law has been appointed as Head of the Department.

The Faculty of the new department has recently moved into newly renovated offices in Suite 304 Stanley Thomas Hall. These quarters, formerly the office of the Dean of Architecture, provide space for three faculty and an Administrative Assistant. Faculty currently include: Dr. Victor J. Law, Dr. James E. Leathrum, and Mr. Allen E. Russ. Ms Janet Macdonald is the Administrative Assistant who is rapidly becoming proficient with new “word processing” computer automated office equipment. (There is no typewriter in the office!)

Enrollment of C & IS majors is now greater than 50 and is projected to be near 80 by the end of next academic year. An intensive search is on for new faculty to contribute to this rapidly growing segment of the School of Engineering.
STE STUDENT CHAPTER REPORT

Now that Engineering Week has passed, we would like to acknowledge our appreciation to those who supported and participated in making it a successful week. In particular, we want to thank Roy Perrin for his seminar on summer employment and writing resumes. If anyone else can be of assistance in procuring summer employment for undergraduates, please contact the Dean's Office in the School of Engineering. We were also enlightened by our Louisiana State representative, Billy Tauzin, with regard to natural gas reserves and the national energy crisis. We thank him for his contribution to our schedule of lectures.

The Engineering Week projects were exhibited and we want to emphasize the publicity received by the hovercraft designed by Mechanical Engineering students. Their great effort and time donated to the project proved worthwhile because the floating air vehicle received television news coverage and much attention on campus. We hope that future projects can meet such a standard.

The St. Pat's dance was certainly an enjoyable night and we are sure that those present will be back for next year's dance. The project is important to our school and we solicit your support for next year.

We understand that STE will be renovating our student lounge in the near future. The students will be thrilled when vending machines and maybe even a telephone are placed in the lounge. This would save much time on our part and the plans are greatly appreciated.

New officers are to be elected in early April for the student council and the professional societies. The new professional society officers will then be asked to elect STE student chapter officers for next year. We hope that student contact with the alumnae will increase with each year and we want to thank Burk and Assoc. for their support of the newsletter provided by the STE student chapter. We want the "Enginews" to become more frequent and informative for the students in coming years. Hopefully, we will receive funding for such projects from the University beginning next year.

Our main efforts at this time are directed at suggesting plans for our school next year. We want to put the new officers on secure ground with some good ideas to improve the School of Engineering. If anyone has any suggestions, help, or donations, we would appreciate your contacting me through the Engineering Dean's Office. Thank you for your support.

Julie Bonnette

NEWS BRIEFS

Two Engineering faculty members are on sabbatical leave for the Spring semester. Dr. Robert N. Bruce, Jr., (E '52), Professor of Civil Engineering, has a State Department-sponsored Fullbright Lectureship in Burma for graduate teaching and faculty research collaboration at the Institute of Technology in Rangoon.

Professor L.P. Orth (E '53) Associate Professor of Mechanical Engineering, is spending his sabbatical in New Orleans writing technical papers and improving his knowledge and familiarity with computer operations.

John S. Matherne, E '57, has been appointed Vice-President and Manager of the Baton Rouge office of Bovay Engineers, Inc. Bovay is a consulting firm operating nation-wide.

As reported in an earlier issue, Walter E. Blessey, E '40 Professor of Civil Engineering and Head of the Civil Engineering Department at Tulane, is serving as President of the American Society of Civil Engineering in 1978-79. His duties in connection with this assignment are taking him to all parts of the globe.

Tulane's Doctoral Program in Mechanical Engineering was cited for excellence during Phase III of the State of Louisiana's Board of Regents doctoral program review. The award was made primarily for Department's excellence in biomedical research. At the time of the review, biomedical and mechanical engineering efforts were carried out under the same administrative framework. Since that time, as previously reported, a new Department of Biomedical Engineering has been established.

Engineering class 1939 – Reunion – 1979 Homecoming
For Information, call Gayle Schneidman 367-7676.

Dr. Allen N. Smith, Ch.E. '41 has been named a Fellow of the American Institute of Chemical Engineers. Dr. Smith is Professor of Chemical Engineering at San Jose State University in San Jose, California.

ANNUAL SENIOR DINNER APRIL 19

The S.T.E. sponsored Senior Dinner will be held this year on Thursday, April 19 at 6:30 p.m. in the Kendall Cram Room of the University Center. President Roy Perrin will preside over this function which honors the graduating seniors. The awards program of the School is a feature of the Program.

Reservations may be made by calling 865-6105 (The Engineering Dean's Office) and must be made no later than April 17. The cost is $6.95.
EBAUGH FACULTY FELLOWSHIP AWARD

Late last year Professor Edward H. Harris of the Department of Mechanical Engineering was named the first recipient of the John L. and Mary Wright Ebaugh Faculty Fellowship. This fellowship was established in 1977 by Mr. and Mrs. Newton C. Ebaugh with a generous gift in memory of his parents. It is to be awarded every two years to an outstanding professor in the Department of Mechanical Engineering for the purpose of improving his undergraduate laboratories and programs.

Newton Ebaugh received the B.E. in Mechanical and Electrical Engineering in 1928 and the Master of Engineering in 1930 from Tulane. Between 1921 and 1928 the four sons of John L. and Mary Wright Ebaugh all graduated from the College of Engineering. From 1935 to 1950 Newton served the University of Florida as Head of the Mechanical Engineering Department. Until his recent retirement he was President of Ebaugh and Goethe, Inc., Consulting Engineers, in Gainesville, Florida.

The installation of Professor Harris was celebrated at a dinner hosted by President and Mrs. Hackney at their home. On the day after the installation, Professor Harris and his students showed Mr. Ebaugh the Stress Analysis Laboratory which had been renovated, expanded and equipped with earnings from his gift. The accompanying photographs show Professor Harris and the students demonstrating senior projects to Mr. Ebaugh in the laboratory.

ENGINEERING APPLICATIONS

Based on data furnished by the Admissions Office, it appears that the School of Engineering will have an outstanding freshman class for 1979. Applications are slightly ahead of last year and should hit an all time high by the end of the recruiting year.

LES SCHOLARSHIP

The winner of the Louisiana Engineering Society's $1,000 scholarship for 1978-79 was Miss Norma Jean Smith. Pictured here are Associate Dean Sam Sullivan, Norma Jean, and Dean Thompson at the check presentation. Jeanie is a freshman in the School of Engineering, planning to study civil engineering with an associated program of architectural courses. She is the daughter of Mr. and Mrs. Walter E. Smith, Jr. of New Orleans.
HISTORICAL ENGINEERING ACHIEVEMENTS

Tulane Engineers, noted for solving seemingly impossible problems, have once again risen to the occasion and accomplished that which others considered unheard of (or possibly never even bothered to consider).

Back in the 1940's when the majority of the Tulane community would venture out into Tulane Stadium expecting to see football, the Engineers had the foresight to realize that oil and energy were far more important. At one point even going so far as to erect oil wells right on the 50 yd. line (it doesn't matter now that all they got from them was Chinese - its the principal that's important).

Again, a few years back when the weathermen couldn't bring snow to New Orleans, the Tulane Engineers were right there with 10 tons of their own. And last year, after analyzing the overcrowded conditions of the campus sidewalks, the Engineers erected a bridge across the Engineering Quad.

This year is no exception. Once more, the Tulane Engineers are the forerunners in accomplishing the "never before considered" (or cared about). Two achievements are worth noting.

Realizing that walking to classes may soon be a thing of the past, a bright young engineering student has developed the Mechanical Engineering Hover Craft. While still in its development stages, the craft has proven to be an effective way to commute and be seen on campus. A few minor problems (the bulky size, the braking system, and the Greenie parking tickets) still must be worked out, but it can be assumed that this mode of transportation will be the answer for all those Engineering students who, due to jammed sidewalks, are unable to make classes on time.

The second major breakthrough came the night of the annual St. Pat's Dance. While most ordinary people (i.e. architects, lawyers, etc.) prefer only conventional type parties, the Engineering student body decided it was about time to start making use of the great natural resources offered by the City of New Orleans. Feeling that the Mississippi River should be used as more than simply a passageway to the port, the students converted a section of it to be used as a dance floor. Many people have been heralded as being able to "walk on water," but it is indeed a great accomplishment when 300 people dance on water, all at the same time. Using ingenuity and a few basic materials (a boat & a band), the Student Council succeeded in providing the students with yet another in the long list of St. Pat's Dances.

Next year the students will be different, the labs hopefully will be newer, but that spirit of accomplishment which has pervaded the halls of the Engineering School will definitely still be the same.

STE OFFICERS

President: .................Roy A. Perrin, Jr., ME '61
1st Vice President: George C. Kleinpeter, Jr., CE '70
2nd Vice President: Ashton B. Avegno, Jr., CE '72
Secretary: ..................Victor J. Law, ChE '60
Assistant Secretary: ..........Oliver Delery, CE '77
Treasurer: ..................Wayne Barcelo, EE '60
Director and Publications
Chairman: ..................John W. Holgren, Jr., CE '70
Director and Historian: ........Larry Perrin, ME '69

TREASURER'S REPORT

3/19/79

1979 Dues collected to date ........... $1492.00
Donations collected to date .......... 600.00

Expenses
Printing.................................. 744.39
STE Homecoming Lunch ............... 239.80

Total Expenses $984.19

Balance on hand ...................... $1107.81

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 1978-1979. Seated left to right, George E. Kleinpeter, Jr., 1st Vice President, Roy A. Perrin, Jr., President. Standing left to right, Larry A. Perrin, Director & Historian, John W. Holtgreve, Jr., Director & Publications Chairman, Oliver S. Delery, Jr., Asst. Secretary. Missing from picture are Ashton B. Avegno, Jr., 2nd Vice President, Vic Law, Secretary, Don W. McCarthy, Treasurer, Wayne Barcelo, Asst. Treasurer.