MARTINEZ APPOINTED DEAN OF ADMISSIONS

Professor John L. Martinez will become the Dean of Admissions at Tulane University effective July 1, 1976.

Professor Martinez received his Bachelor of Engineering degree in Mechanical Engineering from Tulane University in 1943. He joined the faculty as an instructor in 1946. In 1950 he took a leave of absence to complete a M.S. in Mechanical Engineering at Louisiana State University. In 1951, he returned to the campus as an Assistant Professor of Mechanical Engineering. In 1955, Professor Martinez was promoted to Associate Professor, and in 1966 to Professor. In 1968 he joined the administrative staff of the School as Assistant Dean. In 1973 he became the Associate Dean for Undergraduate and Continuing Studies within the School of Engineering.

Dean Martinez has had a distinguished career as a teacher, researcher, and lecturer. From the time he joined the

Outstanding Alumnus for '75

Dean Hulbert congratulating Mr. Jack St. Clair, recipient of The School of Engineering's Outstanding Alumnus Award for 1975.

Jack B. St. Clair, President of Shell Chemical Company, was selected as the School of Engineering's outstanding alumnus for 1975. The presentation of the Award was announced at the Annual Meeting of the Society of Tulane Engineers last Fall and officially presented at the general meeting of the Alumni Association.

Jack St. Clair is a graduate of the Class of 1940 in Chemical Engineering. He went to work for Shell Oil Company immediately after graduation and in his progression through the years at Shell he served in the Head Office in New York, the Wood River, Illinois and Martinez, California refineries and as superintendent of the Houston Refinery. He was later Head of the North American Division of Shell International Petroleum Company in London and then back to the U.S.A. to serve in managerial capacities in the manufacturing and transportation and supplies divisions of the Company. He was named President of Shell Chemical in 1967 and a Director of the Shell Oil Company - and since 1971 has been Executive Vice-President of Shell Oil.

He is a member of the Board of Advisors of the School of Engineering and a Chairman of the Board of Trustees of the Tulane Engineering Foundation.
Annual Senior Dinner and Awards

The annual Society sponsored dinner honoring the graduating seniors of the School of Engineering will be held on Thursday evening, April 22. The time is 6:30 p.m.; the place, the Kendall Cram Room of the University Center. Dinner is served buffet-style and the cost is $6.00. Graduating seniors, faculty, and alumni, and their spouses/dates, are cordially invited.

George Swan, President of the Society, will preside over the dinner festivities. The highlight of the program will be the presentation of the various awards given annually to the outstanding seniors.

This year there is a new award - this one for a member of the faculty. The Society of Tulane Engineers will present a plaque to a member of the faculty nominated by a committee of faculty and students for teaching excellence and overall contribution to Tulane engineering education.

Dean Hulbert will have a few farewell remarks to make. As indicated in another article in this issue, he is leaving Tulane in the summer to assume the Presidency of Rose-Hulman Institute of Technology.

Plan to attend! Call the Engineering Dean’s Office (865-6105) for reservations no later than Monday, April 19.

Levey Award to R. K. Schmidt

The Harold A. Levey Medal for 1975 was awarded to Dr. Richard K. Schmidt, Vice-President and General Manager of Ecodyne Corporation’s Industrial Waste Treatment Division.

The Levey award recognizes outstanding achievement of a Tulane Engineering alumnus during the period from five to ten years after graduation.

Richard is an alumnus of the Class of 1966, B.S. in Civil Engineering. He also earned his Master’s degree at Tulane. He joined Ecodyne in 1969 after receiving a Ph.D. from the University of Texas. Prior to his present position, he served as National Sales Manager for Ecodyne’s Industrial Waste Treatment Division and Assistant Director of Development and Manager, Industrial Waste Products for the Smith and Loveless Division.

Originally from Metairie, Louisiana, he now lives in Westfield, New Jersey with his wife and three children.

Gifts to School of Engineering

The School of Engineering is experiencing one of the best years in its history. The School of Engineering has a record enrollment and its research and public service activities are rapidly expanding. The major problems still facing the School are lack of appropriate facilities, laboratory equipment, and laboratory supplies. This is a particular problem for the Tulane School of Engineering since its curricula are highly laboratory and design oriented.

During the past year, the School has received numerous gifts from its many industrial friends. The strong support that the School receives from the industrial community is serving as a catalyst for the School to expand its public service activities.

Unrestricted gifts to the Office of the Dean are primarily used for the purchase of laboratory equipment. During the past year the School received unrestricted gifts for the use of the Office of the Dean from the following companies: Amax Nickel Refining Company, Halliburton Education Foundation, J-Ray McDermott Co., Inc., Union Carbide Corporation, and the Society of Tulane Engineers.

During the past year, a list of equipment needs of the School was mailed to the School’s many industrial friends. Several companies were able to respond with generous donations of new or surplus equipment. The Shell Oil Company provided the School with approximately 20 units of laboratory instrumentation equipment. The DuPont Corporation gave the Chemical Engineering Department approximately 10 units of chemical process and control equipment. The Western Electric Corporation provided a very generous array of supplies for our Electrical and Mechanical Engineering laboratories. Beuhler, Ltd., donated a diamond saw to our new Materials Engineering Laboratory, and Bres Eustis Engineering donated much-needed laboratory supplies for our Soils Laboratory. The TANO Corporation loaned the School’s Computer & Information Systems Program a large amount of new computer support equipment. The School also received a very generous gift from the Westinghouse Education Foundation of $30,000 to establish a Center for Innovative Engineering Teaching. The generosity of the Westinghouse Foundation has allowed the School to purchase a significant number of visual aids for improving the classroom and laboratory instruction.

Many industrial companies are very generously supporting the direct operation of our academic programs. Departmental contributions are primarily used for the purchase of laboratory supplies.

During the past year the Department of Chemical Engineering received gifts from the following companies: Dow Chemical, USA; DuPont Co.; Exxon, USA Foundation; Monsanto Co.; Tenneco Oil Company; Shell Companies Foundation; and Texaco, Inc.

The Department of Civil Engineering received a gift from DeFren Dot Associates. The Department of Mechanical Engineering received gifts from Deering Milliken; Exxon, USA Foundation; Monsanto Co.; and Shell Companies Foundation. The Computer & Information Systems Program received a gift from Atlantic-Richfield Corp.

There are many young men and women who would like to attend the Tulane School of Engineering who are unable to do so because they do not have sufficient financial resources. Recently the School has received numerous scholarship gifts which will make it possible for many young people to study at Tulane who would otherwise find it impossible. The School received very generous scholarship support grants from: Shell Oil Company; The Exxon Foundation; Continental Oil Co.; PPG; H.A. Lott Co.; A gift of $15,000 from the Emmett Franklin Bankston estate was received for the establishment of a memorial scholarship fund. The School also received gifts to establish a memorial scholarship for James W. Fouts. The School received $10,000 from the U.S. Steel Foundation to establish a loan fund for graduate students in Engineering. The Women’s Auxiliary to the Louisiana Engineering Society provides several scholarship and loan programs for the School.

Last year more than $60,000 was given to the Tulane Alumni Fund on behalf of the School of Engineering. These funds are credited to the overall budget of the School of Engineering and allow it to balance its budget. In addition, an anonymous alumnus donated $14,000 for new equipment for the Fluid Mechanics Laboratory. Two years ago, the School established an Industrial Associates Program. There are presently five companies subscribing to this program: Freeport Sulphur Co., The Lord Corporation, Martini-Marietta, Waldemar S. Nelson and Co., and Raymond International. The subscription fees have primarily been used to purchase laboratory equipment and supplies. The School has received $22,500 through the Industrial Associates Program.

The Tulane School of Engineering has an outstanding faculty and one of the finest student bodies in the country. However, there are few engineering
FAREWELL DEAN HULBERT

Engineering has dramatically increased, without sacrificing student quality. The School now boasts a balanced budget, and therefore holds a secure position in the Tulane University system. Dean Hulbert has been instrumental in recruiting a number of outstanding new faculty members. These new faculty have strengthened existing programs, and staffed several excellent new departments. A greatly expanded continuing education short course program has been developed. This, in conjunction with a growing Industrial Associates Program, and the increased use of part-time adjunct faculty from the local engineering community, has fostered a healthy and mutually beneficial relationship between the School and industry. The size and number of gifts and grants from local industry, as well as from alumni and other individuals, have increased. Research activity is at an all-time high, and the School's physical plant, though still sadly lacking, has been enlarged and gradually improved and better equipped.

Perhaps more important than giving us a list of improvements and new programs, Dean Hulbert has instilled a new enthusiasm and vitality in the School of Engineering. He has fostered a spirit of progress and self-improvement. As the School's Chief Salesman and No. 1 Optimist, he not only sold us to others, but also sold us on ourselves. Though the Dean's ideas and methods have not been without some disagreement, the new life and bright outlook for the future he has given us cannot be denied. Thanks, Dean Hulbert, and Good Luck.

Letter to Alumni from Tulane Engineering Foundation

Dear Tulane Engineer:

I am writing to inform you of the Tulane Engineering Foundation and its current status. You will recall that the Foundation was formed in September 1973 for the purpose of encouraging gifts of cash or real or personal property for the exclusive use of the School of Engineering at Tulane. Substantial progress has been made in this regard, but when comparison is made to the needs of the Engineering School, we must conclude that a great deal remains to be done.

The most specific need of the Engineering School, short term, relates to the physical plant and the deficiency of much of the laboratory equipment which, although well-maintained and carefully operated, is, nevertheless, obsolete. Such a finding was made by the Accreditation Committee on the occasion of their visit last Fall. We can only view these deficiencies as critical to the survival of the Engineering School where all of us did our work.

I mentioned above that some progress has been made and the current financial report (January 22, 1976) follows:

- Cash Assets: $3,800
- Bonds: $5,000
- Life Insurance Policy: $140,000
- Stock (30,000 shares): $120,000

*$14,000 is committed to an NSF Equipment Matching Grant.

In addition, a donation of approximately 20 pieces of laboratory equipment has been made within the last two months and

Another Honor for Dr. Harold Rosen

The L.M. Ericsson Telephone Company of Stockholm, Sweden announced recently that its first L.M. Ericsson International Prize for recognition of outstanding contributions to telecommunications research will be awarded to Dr. Harold A. Rosen, Vice-President of Hughes Aircraft Company of El Segundo, California. Dr. Rosen is a 1947 graduate of Tulane's School of Engineering in Electrical Engineering, and last year was awarded one of the School's first two honorary doctorates in Engineering at the annual commencement in May.

The selection of Dr. Rosen as the first recipient of the Ericsson prize was made by an independent committee appointed by the Royal Swedish Academy of Engineering Sciences, the Board of Directors of the Swedish Telecommunications Administration and representatives of Swedish universities of technology. He is being honored for proposing the introduction of geostationary communications satellites and for his scientific and technological contributions to their development, design and operation. The prize is 100,000 Swedish kroner.

Dr. Rosen has received world wide acclaim as the inventor and developer of Syncom, the first synchronous, spin-stabilized communications satellite, which are presently being installed in the appropriate laboratory. While the above is encouraging, it is quite clear that even if our short term and critical needs relative to accreditation are met, that longer term much more substantial problem faces us in the form of inadequate, old, and deteriorating buildings, classrooms, and laboratories. The Tulane Engineering Foundation can serve to concentrate your support towards these needs. Your careful consideration of the problem and the use of the Engineering Foundation as a vehicle for your donations is earnestly solicited. The Foundation, which was established for this purpose, is not intended to detract from support of other Tulane University activities, but rather to augment these with the objective of strengthening the entire University.

Trustees of the Foundation are: J. Bres Eustis, A.L.Jung, Waldemar S. Nelson, Samuel F. Hulbert, and the writer. Dr. Raymond Bailey has recently been appointed Executive Secretary of the Foundation. All of us would welcome contact from any of you and stand prepared to answer your inquiries at any time. Our hope and expectation is the perpetuation of a Tulane School of Engineering of superior quality.

Jack B. St. Clair, Chairman
Tulane Engineering Foundation
Enrollment Trends

As of the time of writing, the application pool for Engineering for Fall, 1976-77, is 465 students as compared to 425 last year for the same date. The final number of freshmen admitted directly from high school in 1975 was 235 and some transfers were classified as freshmen for a total of 250. The indications are that a similar size class will be brought in for Fall, 1976.

Because of the relatively small senior and junior classes, it is likely that undergraduate enrollments will grow for the next two years. Approximately 90 seniors will graduate in May, 1976, and with 250 new freshmen, the growth potential is obvious. However, with transfers, drop-outs, etc., subtracted from that differential, we are projecting an enrollment of 750 undergraduate students.

The number of women undergraduates continues to climb. There are 80 in the Spring of 1975-76 and these are largely concentrated in the first two years (only 3 women will graduate or go on to graduate school this year). Hence, it is likely that Engineering will show an enrollment of approximately 100 women in Fall, 1976. It is not like the good old days—it’s better.

Besides the growing interest in Biomedical Engineering—a national as well as local phenomenon—the number of students using Engineering for pre-law, pre-MBA, and pre-medicine is rising. Two senior Chemical Engineers and one junior Biomed have been accepted to medical schools on the “first round” of invitations. William Maloney (Tulane and LSU) and Anthony Ard (University of South Florida) are the senior Ch.E.’s and Lynn Bernal (Tulane) is the junior.

Letter from President Hackney

This letter was received shortly after the Society of Tulane Engineers donated $2,000 to the School of Engineering at the Society’s Annual Meeting on October 25, 1975. Dr. Sheldon Hackney was installed as the new President of the University on October 23, 1975.

December 17, 1975

Dear Tulane Engineers,

It’s a pleasure for me to have this early opportunity to thank you personally for your recent gift to Tulane. The support of alumni gives us the confidence to advance our efforts to keep Tulane as one of the nation’s first-rank institutions.

My first months at Tulane have been filled with activity. Lucy and I have met many loyal, wonderful Tulanians. It has been a year of learning for us, finding out about Tulane, its heritage, its dedicated faculty, and its enthusiastic student body.

I am aware of its problems also, most of which are due to an inadequate financial base. As you know, Tulane’s endowment is very modest when measured against our aspirations and obligations, or when measured against the endowment of similar institutions. This is why your annual support means much more at Tulane. Your dollars are used immediately to assist in meeting current expenses, such as faculty salaries, student aid, and physical maintenance.

I want to talk with as many Tualians as possible to learn ways in which we can work together for the University now and in the future. Your support indicates that you have a special regard for the University. I will look forward to meeting with alumni as opportunities occur.

Very truly yours,
Sheldon Hackney
President

PAY STE DUES TODAY

Dues $3.00; additional contributions welcomed.

Send to:
Society of Tulane Engineers
c/o Ronald P. Cressy, Treasurer
840 Union Street
New Orleans, La. 70112
STE President's Message

Dear Tulane Engineer:

In the past several years your society has been oriented toward more active involvement of alumni in the programs of the School of Engineering. Last October at our Annual Homecoming meeting, we were proud to have a record attendance, with a large number of alumni from outside the New Orleans metropolitan area. You are all cordially invited and encouraged to attend the annual Senior Awards Banquet on April 22, at which we honor the graduating seniors and provide a suitable forum for presentation of academic honors and awards. Last year a small group of class agents attended that function; this year we hope to expand the alumni attendance which underscores our solid support of the Engineering School, its faculty, and the student body. Make your plans now to attend the dinner and awards ceremony to be held in the Kendall Cram Room at the University Center, Thursday, April 22 at 6:30 PM. The cost is $6.00 per person and reservations will be accepted by the Dean's office (866-6105) prior to April 20.

A new award to be presented annually has been established by STE to commend a faculty member of the School of Engineering for “teaching excellence” - to recognize an outstanding teacher, not merely for pedagogical expertise but also for motivation and inspiration of students. The name of the award recipient will be engraved on a plaque to be displayed in the Dean's office. The mechanics of the selection process are as follows: Potential Candidates are screened by a special committee appointed by the Dean. The names of several candidates are submitted to the STE Executive Committee (comprising the officers) who vote in secret ballot. The award recipient must receive a majority of the votes cast. The 1976 outstanding teacher recognition will be announced at the plaque presented at the Senior Awards Banquet.

Dean Hulbert will be leaving us this summer to assume his new responsibilities as President of Rose-Hulman Institute. He has made a tremendous contribution to the School of Engineering in his brief tenure as Dean, and it has been a pleasure for STE to assist him. We congratulate him for a job well done and wish him well in his new endeavor.

Finally, let me solicit your continued support of STE in its efforts to promote the interests of the Engineering School. Your annual STE dues are $3.00; as in the past we request that you also include a contribution in excess of this nominal amount. These are recognized as gifts to the university by the Alumni Fund and as such will be credited to your annual contribution to Tulane. Your generosity in the past has been most gratifying, and this year we would like to improve upon our record.

Thank you all very much.

Sincerely,
George A. Swan, III
President, 1975-1976

Faculty News Briefs:

Dr. Robert P. Chambers, after 11 year tenure at Tulane, has accepted the Chairmanship of the Department of Chemical Engineering at Auburn University, Auburn, Alabama. His appointment was effective February 16.

Dr. Robert E.C. Weaver, Chemical Engineering, is on sabbatical leave for the Spring Semester. He is spending the semester in study and research at the Massachusetts Institute of Technology.

Dr. James C. O'Hara, Mechanical Engineering, has left Tulane to accept a Professorship in Mechanical Engineering at Texas A & I University in Kingsville, Texas.

Dr. Aleksander Popel has been appointed Visiting Assistant Professor of Mechanical Engineering for the Spring Semester. Dr. Popel is a graduate of Moscow State University, Moscow, USSR. His teaching and research specialties are in fluid mechanics and in biomedical engineering.

Dr. Danny W. McCarthy has been appointed Assistant Professor of Chemical Engineering for the Spring Semester. Dr. McCarthy has earned the Bachelor's, Master's and Ph.D. degrees at Tulane.

School of Engineering Adjunct Faculty

There are presently twenty full-time practicing professionals in the New Orleans community who are serving as members of the Tulane University School of Engineering faculty. The adjunct faculty lecture, direct research of graduate and undergraduate students, and perform many other services for the School. The adjunct faculty are used to teach eight to ten advanced level courses per semester in the areas of their technical specialties. Interfacing with the students with the full-time practicing professionals provides an in-depth exposure which would otherwise be impossible using traditional faculty. The School of Engineering's use of adjunct faculty is very analogous to the use of clinical faculty by medical schools. Tulane University is one of the pioneers in engineering education with regard to the use of full-time professional engineers in the classroom.

Following is a list of the adjunct faculty and their affiliations:

Anderson, Ann M. - School of Public Health & Tropical Medicine, Tulane University
Ansari, Khuryuddin Akbar - Bell Aerospace
Becker, Hal C. - Tulane University
Beckman, Laurence - Technical Associates of New Orleans
Bresler, Emanuel H. - U.S. Public Health Hospital
Burguieres, Samuel S., Jr. - Neill Jeffrey & Associates
Chambers, Robert P. - Department of Chemical Engineering, Auburn University
Chandran, Krishnan B. - Department of Orthopedics, Tulane University School of Medicine
Ebel, Roland H. - Newcomb College, Tulane University
Ewing, Channing L. - Office of Naval Research
Gooch, Albert B. - Tulane University Computer Center
Killeen, Daniel B. - Director, Tulane University Computer Center
Kirby, Gerald S. - Tulane University School of Medicine
Liu, Y. King - Department of Orthopedics, Tulane University School of Medicine
Mason, J. Walter - School of Public Health & Tropical Medicine, Tulane University
Morphy, Edward R. - Consulting Engineer
Rousell, Herbert J., Jr. - Consulting Engineer
Sutter, Thomas M. - Consulting Engineer
Unterharnscheidt, Frederick J. - Office of Naval Research
Walke, Loon B., Jr. - Tulane University School of Medicine
Financial Statement

SOCIETY OF TULANE ENGINEERS
FINANCIAL STATEMENT
MARCH 1, 1976

Cash on hand - Sept. 15, 1976 ........................................... $2,592.92
Dues collected - 1976 ......................................................... 96.00
Donations - 1975 ............................................................... 181.00
Dues credited to 1976 ......................................................... 9.00
Donations credited to 1976 ................................................. 7.00
Credit from Bank ............................................................. 0.49

TOTAL RECEIPTS $2,886.41

Donation - School of Engineering ...................................... $2,000.00
Printing Expenses ............................................................ 421.58
Engineers Club, 1976 Dues ................................................. 50.00

TOTAL DISBURSEMENTS $2,471.58

BALANCE CASH ON HAND $414.83

Ronald P. Cressy
Treasurer

THE TULANE ENGINEER

Published by the Society of
TULANE ENGINEERS,
whose officers are:

President ......................... George A. Swan, III ChE'69
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MARTINEZ APPOINTED
(Continued from Page 1)

national recognition. He played a major role in the development of the flexible engineering curriculum at Tulane, and almost every major engineering school in the country has developed a similar program largely based on the efforts here at Tulane.

Dean Martinez also played a major role in the development of the Engineering M.B.A. program, the Pre-med in Engineering curriculum and the Computer Engineering program.

For the past few years, Dean Martinez has made a major commitment to recruiting students for the School of Engineering. Largely because of his efforts, the School of Engineering has the largest enrollment in its history. Few people have given as much to the School of Engineering as Dean Martinez. It is impossible to convey his contributions to engineering education through the chronological listing of events or a presentation of statistics. He has devoted his life to the students of the Tulane School of Engineering. He sacrificed his first professional love—lecturing in the classroom—and his national reputation as a leading researcher in the field of biomechanics to serve the School of Engineering.

Dean Martinez will be sorely missed by the faculty and staff of the School of Engineering. However, Tulane University will now have the world's finest Dean of Admissions.