Accomplishments

Harold A. Timkin, Jr. — Outstanding Alumnus

Harold A. Timken, Jr., has been chosen the School's Outstanding Alumnus for 1980. He is a graduate of the electrical engineering class of 1943 and is now President and Chairman of the Board of Quanta Systems Corporation in Rockville, Maryland. The honor was conferred at the University's Homecoming meeting last fall.

Mr. Timken 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 has served as a Director and as Past President of the Tulane Alumni Association and as a member of the Tulane Board of Visitors.

BETH HOFFMAN RETIRES

Last September, after almost 45 years, more than half the 86 years since the founding of the School of Engineering, Beth Hoffman retired.

There were five separate deans and thousands of students during Beth's service to the School. She saw many changes during her tenure. She recalls that not all offices had telephones. Faculty members had to listen for a bang on the pipes in their offices rather than a ring - and each faculty member had a specific code. And during those days there were just 14 faculty.

Beth was honored shortly before her retirement at a reception at the Alumni House. Among the many guests present were four of the deans she worked with, Lee H. Johnson, Frank McDonald, Samuel Hulbert and Hugh Thompson. The late James Robert was represented by his grandson, Kearny Robert, Jr.

Former Dean Lee Johnson, speaking for the group, gave tribute to Beth. "For more than 44 years, you have cared for, guided, and directed thousands of students and alumni and hundreds of faculty and staff members. You have given copiously and unstintingly of your time and many talents. You are sensitive and responsive to every need and problem, combining judgement and wisdom with a rare mixture of compassion and humor."

"Your greatness lives on in the hearts and minds of the multitudes who you have blessed."

Beth was also honored in April at the Annual Senior Dinner and Awards Program. The Society of Tulane Engineers awarded her a silver dish which was appropriately inscribed as a token of the esteem of the many engineering students she helped throughout her long and illustrious career at Tulane. Beth was lured to the awards banquet on the basis that she attend at least one banquet where she was not responsible for the mistakes made throughout the presentation by the current dean. The silver dish was given to her on behalf of all alumni who graduated from the School of Engineering throughout the forty-five years.

Beth's plans for retirement included repainting her house, a trip to Hawaii, sewing, crafts and "running the streets".

Her service and dedication to the School of Engineering have been bountiful and longstanding. She is greatly missed.
More Accomplishments...

Tulane University Selects New President

Dr. Eamon M. Kelly has been selected as the thirteenth President of Tulane University. The installation ceremony will take place on Saturday, October 10. Dr. Kelly succeeds Dr. Sheldon Hackney, who resigned in the early spring to accept the presidency of the University of Pennsylvania.

Dr. Kelly is no stranger to the Tulane campus. He joined the Tulane community two years ago, as Executive Vice-President in charge of Finance. After the departure of Dr. Hackney, he was appointed to the post of Acting President. His achievements during his time on campus include the demolition of Sugar Bowl Stadium and the development of a three-year sequence of balanced budgets.

Dr. Kelly’s background includes a Ph.D. in Economics from Columbia University, with special interest in Urban and Rural Economics Development. In addition to his academic background, his work experience includes time in federal and local government and in foundation activities. Dr. Kelly was for ten years with the Ford Foundation where he served at various times as Officer-in-Charge of Program Related Investments and of the Office of Social Development. Prior to his affiliation with the Ford Foundation, he worked with the U.S. Department of Labor, the Small Business Administration and Economic Development Administration in Washington, D.C. He has also filled various offices in the government of the city of Inglewood, New Jersey. He was elected President of the City Council and Councilman-at-Large. He was also elected as the Chief Legislative and Administrative Official in this community of 25,000 people. In this capacity, he was responsible for all city government functions including labor negotiations.

Tulane is particularly fortunate to obtain such a talented and experienced administrator to guide its future development. President Kelly is particularly optimistic about the future of the Gulf South, New Orleans, and Tulane University. The support of engineering alumni will be particularly helpful to him in achieving his goals for the School and for the University.

Van Buskirk Recognized

For Excellence

In Teaching

Dr. William C. Van Buskirk, Professor of Biomedical Engineering and Head of the Biomedical Engineering Department is the latest recipient of the Society of Tulane Engineers’ Lee H. Johnson Award for Excellence in Teaching. The announcement of the winner of this coveted recognition was made at the Senior Dinner and Awards Program in April. The honor is commemorated by engraving the name of Dr. Van Buskirk on a plaque which hangs in the Dean’s Office. The plaque contains the names of all past winners, the first of whom was Dean Lee Johnson. Selection of the winner by Engineering alumni makes this award particularly meaningful for faculty.

Dr. Weaver Accepts Deanship at Tennessee

Effective June 30, Dr. Robert E.C. Weaver resigned from Tulane University to accept the deanship at the University of Tennessee in Knoxville.

Since July 1977, Bob had served Tulane as Head of the Department of Chemical Engineering. Even then he had not newly come to the Tulane campus, having already instructed and influenced large numbers of Chemical Engineering alumni. Bob began his association with Tulane as an undergraduate receiving a B.S. degree in Chemical Engineering in 1953 and an M.S. in Chemical Engineering in 1955. He departed from New Orleans to study at Princeton where he received a Master of Arts degree in Economics and a Ph.D. degree in Chemical Engineering in 1958. Between 1958 and 1960 he worked with the Ethel Corporation in Baton Rouge, returning in 1960 to the Tulane Department of Chemical Engineering. He was promoted to full Professor in 1965.

Professor Harris Retires

After twenty-six years of service on the faculty of the Department of Mechanical Engineering, Professor Edward H. Harris retired effective June 30, 1981. Professor Harris came to the Mechanical Engineering Department in 1955, after a number of years in industry including work with Remington Arms Company, E.I. duPont, Creole Petroleum Company and the Olay K. Olson Company. Professor Harris’ interest in mechanics and biomedical matters served to train and educate a great number of graduates in the School of Engineering, both at the graduate and undergraduate level.

Ed and Ann have retired to their home in Bay St. Louis. Their presence on the Tulane campus will be sorely missed.
Business...

Presidents Message

Dear Fellow Members,

Another year in the life of our society has passed. On November 7, 1981, at the Homecoming meeting a new year will begin. Since there was no spring newsletter this year, this is the only opportunity that I will have to speak to you as President of the Society of Tulane Engineers. Unfortunately, we have not been able to provide our normal services to the alumni of the School of Engineering, mainly because of budget limitations. We are however still working to accomplish the goals set forth under the guidelines of the Articles of Association.

These goals include providing alumni with news of university activities, serving in advisory capacity to the School of Engineering and providing financial support for special projects not funded through the University budget. With your support and active participation we will be able to fulfill our goals.

The major goal of the Society is to provide a direct link between the School and the Alumni. Generally, this is accomplished through the STE newsletters which are usually published twice a year in the spring and in the fall. This year we were unable to publish the spring newsletter. Since every graduate of the School of Engineering automatically becomes a member of the Society, we provide newsletters for over 4000 people per mailing. This represents a cost to the Society for printing and mailing of over $1200.00. Therefore, the Executive Committee decided to provide a single newsletter, and to distribute the newsletter in the fall prior to the annual meeting. We sincerely hope that you will be receptive to the single newsletter concept.

Our society has always operated on a tight budget which in recent years has become even tighter. However, serious though this problem is, I am very concerned about the lack of participation by our members. As I stated before we have over 4000 members and furthermore nearly 300 graduates enter the Society each year. Unfortunately, very few contribute to the support of the Society. In 1979, approximately 600 people contributed to the Society, in 1980 about 350 contributed and only 197 people contributed in 1981. Less than 5% of our membership contribute to our Society. We can do much better than this and we have to if the Society is to continue. So, please review your financial situation and contribute to the Society if at all possible.

This year we are trying something new. We arranged to have Mr. Jack Marsal, a recent graduate, present his nationally acclaimed engineering project; a computerized robot. We also will have an open house to provide interested alumni an opportunity to tour the renovated and expanded facilities the university now has to offer. The presentation and tour will be held between 10:00 A.M. and 11:30 A.M. on November 7, preceding the annual meeting. If you are interested in attending the presentation and tour, please notify the Dean’s Office so arrangements can be finalized. Make every effort to attend what will be an interesting and rewarding experience. The annual meeting will be held in the Faculty Dining Room in the University Center. For reservations please contact the Dean’s Office, School of Engineering, 865-5764.

In closing, I would like to thank each of you for allowing me to serve the Society for the past several years. I deeply appreciate the friendships I have developed with my fellow officers who have also made my time with the executive committee extremely rewarding. Special thanks to the Dean’s Office and especially Ms. Shelly Richardson for the time she has spent making my job easier.

With kindest regards,

John W. Holtergrev, Jr.
President-1980-1981

TREASURER’S REPORT

September 1, 1981

1981 Contributions .................. $3,104.50

EXPENSES

Printing and mailing ................ 1,400.53

STE Certificates

STE Senior Awards

Banquet .................. 1,326.56

CASH ON HAND .................. 377.41

Over 4000 annual contribution notices were sent out in November of 1980. Contributions were received from 197 members - a 5% response rate. Because many of these members contributed more than the $10 requested (the average was over $15 each), the Society was able to pay its expenses for the year. However, we were forced to cut back the number of newsletters from two per year to only one. The cost of printing and mailing each edition of the newsletter is over $1000. The officers decided that, rather than cut back on the Senior Awards Banquet, one issue of the newsletter should be eliminated. It is our sincere hope that in 1982 a larger percentage of the membership will make a contribution to the Society and that the Spring newsletters can be reinstated.

ANNUAL MEETING

NOVEMBER 7

The annual Meeting of the Society of Tulane Engineers is scheduled for Saturday, November 7, in the faculty dining room of the University Center. It will begin at 11:30 with a pre-luncheon happy hour followed by lunch at 12:15. President John W. Holtergrev, Jr., will preside over the meeting.

Please make your reservations by calling 865-5764 before November 4. Luncheon cost is $7.00. The cash bar is extra. All members of the Society are invited to attend.

The annual meeting is part of the festivities surrounding Homecoming. This is an outstanding opportunity to greet classmates at the many reunions and enjoy the football game against Maryland. The School of Engineering will conduct an open house so that you may have an opportunity to view the laboratories. Mr. John Marsal, Winner of the National Paper Competition of ASME as an undergraduate, will present his prize winning paper and demonstrate the robot he constructed.
Students...

Spring Commencement

A Milestone

The spring commencement was held on Saturday, May 16. This event produced a number of important milestones for the School.

A total of 177 bachelors degrees were awarded along with 28 master of engineering degrees and one doctor of engineering degree. This is the largest number of bachelor degrees ever awarded at one commencement by the School of Engineering. Of the total number of bachelors graduates, more than twice the national average on a percentage basis elected post-graduate training. Their post graduate studies include many diverse fields: business, dentistry, law, and medicine, in addition to engineering. A total of 20 entered government service largely to discharge their military obligations. A surprisingly large number, 13, were undecided between two or more offers at the time of graduation.

Tulane graduates of 1981 found one of the most active recruiting markets in years. More than 300 companies visited the campus to interview students. Starting salaries averaged $23,579 with a top offer over $30,000. For the first time the computer industry was clearly discernible as the second most important employer of Tulane graduates. Our tradition is for the petroleum industry to clearly dominate, but it appears that computing may challenge petroleum in the next few years as the most important employer of new alumni.

The spring commencement was the first engineering commencement wherein Dr. Eamon Kelly presided as President of the University. The qualifications of our new President are described elsewhere in this issue of the Tulane Engineer.

Of the six undergraduates departments in the School, the top graduates in five were women. In Chemical Engineering, the top graduate was Ms. Sharon Delcambre; in Civil Engineering, Ms. Mary Ann Griggas; in Computer Science, Ms. Denise Bordenave; in Electrical Engineering, Ms. Lois Elizabeth Lusk; and in Mechanical Engineering, Ms. Robin Vaughn. Ms. Griggas and Ms. Lusk finished their Engineering programs with perfect 4.00 averages. They presented a joint valedictory address, one of the high points of the commencement exercise.

Ms. Griggas came to Tulane from Chicago, Illinois. During her time at the University, she served as Resident Advisor in the freshman dorm in 1979-80, and Senate Advisor in 1980-81. In addition to advising responsibilities and academic load, she found time to pursue hobbies in swimming, cycling, and reading. As a Civil Engineer, she was awarded during her junior year the first Donald Derickson Scholarship and carried the title of "Derickson Scholar" throughout her senior year. Her first employment is with Shell Oil Company in New Orleans.

Ms. Lois Elizabeth Lusk hails from Arlington, Virginia. Undergraduate affiliations with student organizations included Phi Eta Sigma, Tau Beta Pi, IEEE, The Tulane Rifle and Pistol Team, and the College Republican. She was Dormitory Vice President during her sophomore year at Tulane, and was a member of the Community Services at Salford University in England during her Junior Year abroad. In addition to these activities, she found time to pursue her interests in photography, camping, backpacking, traveling, and dancing. Her employer is Exxon in Houston.

The commencement speaker was Dr. Ayub Khan Ommaya, a scholar of many facets: a clinical biologist, philosopher, neurosurgeon and engineer. He currently serves as Clinical Professor of Neurosurgery at George Washington University Medical Center, as Chairman of the Biomechanics Research Advisory Committee to the National Highway Traffic Safety Administration, and as Medical Director of NHTSA in the Department of Transportation in Washington, D.C. Dr. Ommaya has been associated with the School of Engineering for almost 29 years. He is a widely published author of medical and scientific articles. The graduating class was particularly fortunate to hear his address which portrayed engineering as the bridge lying between two cultures: the scientific and the humanistic.

First Derickson Scholar Installed

The above picture was taken at the ceremony where Mary Ann Griggas was installed as the first Derickson Scholar at Tulane University. Also pictured are Gayden and Nancy Derickson and Walter Blessey.

Mary Ann received her bachelors degree in Civil Engineering in May, 1981. She completed her program with a perfect 4.00 average and was one of the co-vedicators of the senior class. Additional information is described elsewhere.
Miscellaneous...

The End of an Era

Truly great people, who devote their lives to helping and supporting the people about them, without thought of personal gain, happen along too infrequently. Such people are rare. Most of them never fully realize how significantly they have contributed. Few are recognized in contrast to stars that flash for a moment and vanish.

Beth Hoffman is one of those truly great people. For more than forty-four years she served the School of Engineering and cared for, guided and advised thousands of students and hundreds of faculty and staff members. She gave generously of her time and many talents. She was sensitive and responsive to every need and problem, combining judgement and wisdom with a rare mixture of compassion and humor.

Thank you Beth Hoffman for caring so much. All of us from the Society of Tulane Engineers wish you a very happy and very long retirement.

BME’s Cars are “Powered by Dixie”

To students in Dr. Cedric Walker’s Biomedical Engineering Design class, the assignment seemed a little out of the ordinary: design and build a car powered solely by a single 12 ounce can of Dixie beer. Working in groups of 3 with a $60 maximum investment, the 32 seniors built 11 cars that raced along the sidewalk from the front of the Mechanical Engineering building to Gibson Hall.

Some of the students shook the warmed cans of “fuel” and punctured the top to allow the effervescence to drive a small turbine. Others suspended a filled can from the end of a long lever arm and counted on the clock-work action of a pendulum to drive a ratchet and hence turn the wheels. One group even distilled the alcohol out of the beer and used it to fuel a model-airplane engine. The winning entry? Howard Israel, Jeff Cole, and Marc Zive hung a pulley out the window of the fourth floor of Stanley Thomas Hall, and let the beer drop slowly driving a block and tackle with a 5:1 ratio. Their car traveled 267 feet, and they could still drink the beer after it had traveled down its potential gradient.

This year, Dr. Walker’s students will be literally walking on water in a design competition to be held in the University Center swimming pool on October 31.

1982 STE Officers Nominations

President ............................................. Dan W. McCarthy
1st Vice-President .............................. Larry A. Perrin
2nd Vice-President ............................. Oliver S. Deleory, Jr.
Secretary .............................................. Ned Simmons
Asst. Secretary ................................. Dale T. Hunn
Treasurer .............................................. Marina Elliott
Asst. Treasurer ................................. Stephen D. Cook
Director and Publications Chairman ...... Richard K. Blum
Director and Historian ...................... Tip Fowler

Profile of the Entering Class

The freshman class of 1981-82 numbers 265 compared to 272 last year. The quality is up slightly with a combined SAT score of 1166. Another measure of quality is the ranks in class and exactly half of the freshmen were in the top ten percent of their high school class.

Thirty-four states are represented in the class as well as Puerto Rico and fifteen foreign countries. The first student from Alaska enrolled after a seven day nonstop drive.

The number of women continues to increase with 29 percent in this class. By any yardstick, this is the second best class the School has recruited and is surpassed only by the 79-80 class.

In Memoriam

The Society was saddened to learn of the death of Dr. Francis M. Taylor on September 17, 1981. Dr. Taylor joined the Tulane faculty in 1938. In 1945 he was selected as a Professor and chosen to head the Chemical Engineering Department, a position he held until his retirement in 1970. At retirement he was awarded Emeritus status. The Chemical Engineering Lab was also named in his honor.

The search for candidates for the position of Head of the Department of Electrical Engineering has been continued. Nominations and applications are solicited. Curriculum vitae including at least three references should be sent before October 15, 1981 to Dr. Paul F. Duvoisin, Search Committee Chairman, Department of Electrical Engineering. Applicants should have demonstrated outstanding research, teaching and leadership abilities. Alumni are requested to call if they have a nomination.

Professor Cronvich has again agreed to postpone his retirement and chair the Department in 1981-82.
Faculty...

BERT WILKINS, JR. joined the faculty of Tulane as Associate Professor of Computer Science in July 1980. He received his B.Ch.E. at Georgia Institute of Technology in 1958; his M.S. (Nuclear-Ch.E.) from the same institute in 1961 and his Ph.D. from the same institute in 1965.

He has worked for several private industry groups including Lockheed-Georgia Company in various capacities. He also worked in Research at Columbia University and was an instructor at Georgia Institute of Technology and University of Missouri. His research interests include transport phenomena, applied math, bio-engineering, ecological systems analysis development of self-instructional materials, technology assessment, energy planning.

AYSEL ATIMTAY joined the Chemical Engineering faculty as a Visiting Assistant Professor in April 1981. She is taking a year’s leave from the Middle East Technical University in Ankara, Turkey where she is doing research on environmental pollution and clean energy. Dr. Atimtay did her undergraduate work in chemical engineering at the Middle East Technical University and earned her Masters in Science from Clarkson College of Technology in Potsdam, New York. Her doctorate is from Hacettepe University in Ankara, Turkey.

In addition to teaching positions her experience includes work as research engineer at the Foxboro Company in Boston.

HENRY H. LUTTRELL joined the faculty of Chemical Engineering this July. Before coming to Tulane, Dr. Luttrell was Associate Professor at McNeese State University where he had been since 1977. Dr. Luttrell has also worked with Cities Service Company in Lake Charles, Louisiana, with Monsanto Company in Pensacola, Florida, and with Enjay Chemical Company in Baton Rouge.

Dr. Luttrell received his B.A. in Chemical Engineering from Louisiana Polytechnic Institute in May, 1976. He graduated from Florida State University with a MBA degree, and received his Ph.D. in Chemical Engineering from Louisiana State University in December, 1975.

While with Cities Service Company, Dr. Luttrell’s research involved problems associated with the production of low-density polyethylene. He designed a new very large polyethylene reactor which is currently in operation and worked on debottlenecking the existing facility.

Dr. Luttrell, as consultant for Cities Service also worked on the development of a mathematical model for low-density polyethylene autoclaves.

MOSHE SOLOMONOW joined the faculty of Tulane in July, 1980 as an Associate Professor in Biomedical Engineering. Solomonow received a B.S. in Engineering from California State University in 1970; a M.S. in Biomedical Engineering from California State University and also his Ph.D. in Biomedical Engineering and Physiology from the same institute in 1976.

Before coming to Tulane, he worked in California in various capacities as Research Engineer, Project Engineer and a Clinical intern for a Child Amputee Prosthetic Program in California.

JOON B. PARK joins the School of Engineering. Before coming to Tulane, Dr. Park was Associate Professor of Bioengineering and Materials Engineering at Clemson University.

He has also been Visiting Associate Professor of Bioengineering at the University of Illinois at Urbana - Champaign.
More Faculty

From January 1972 - July 1973, Dr. Park was a research fellow in the Cardiovascular Training Program, National Institute of Health, University of Washington, Seattle.

Dr. Park's major research interests are in the areas of biomaterials, biological materials, polymers, enzymology and biomechanics. Current research activities include pre-coating of orthopaedic implant with bone cement, inhibition of femoral head resorption by electrical stimulation and free radical formation of bone cement monitored by EPR spectrometer.

JOHNETTE HASSEL joined the faculty at Tulane in July, 1980 as an Associate Professor in the Department of Computer Science. She received her B.A. and M.S. in Mathematics at Texas Tech University and received her Ph.D. in Mathematics from Tulane University in 1975.

She has had several papers published and presented which include “Why Logical Arguments Don’t Work”, “Piaget-Based Learning” and “A Valued Vector Space Model for Tor”.

Professor Hassel’s professional experience includes teaching positions with Xavier University of Louisiana, Hardin Simmons University, Louisiana College and Louisiana State University at Alexandria.

DAVID A. RICE joined the Biomedical Engineering faculty this July as Associate Professor. His areas of interest include instrumentation design, development and application - acoustics, ultrasonics, physiologic monitoring; data analysis and display; physical, quantitative, conceptual systems modeling; interpretation, display and evaluation; and biologic systems and components.

Dr. Rice attended the University of Alaska, Fairbanks, where he received his B.S. in Engineering Science. He then attended Purdue University where he received both the M.S. and Ph.D. in Electrical Engineering.

He has been Research Assistant, Adjunct Professor, Quality Assurance Officer and University Postdoctoral Fellow in the Ohio State University (Columbus) Department of Veterinary Physiology and Pharmacology. While at Purdue, Dr. Rice was a graduate instructor and a graduate teaching assistant.

KYRIAKOS PAPADOPOULOS, joined the Chemical Engineering this July. He received a B.S. in Chemical Engineering in May 1978 and in February 1980 he received a M.S. in Chemical Engineering, both from Columbia University. He will receive the Eng. Sc. D. in Chemical Engineering in October 1981; his thesis title is “The Role of Anions in the Setting of Zinc Suspensions”.

While at Columbia, Dr. Papadopoulos was a research participant in a student originated studies project supported by N.S.F. During the summer of 1977, he served as teaching assistant for courses on the subjects of chemical reaction kinetics, thermodynamics, and transport phenomena, and was a graduate research assistant.

YOUNG G. KIM is Visiting Professor of Chemical Engineering for 1981-82. Dr. Kim received a B.S. in Pharmacy from Seoul National University, a B.S. in Chemical Engineering from Bucknell University in Pennsylvania and a Ph.D. in Chemical Engineering from Princeton.

Dr. Kim's work experience includes 12 years teaching at Northwestern University. He was a member of the research staffs of American Cyanamid Company and American Oil Company. In 1973-74 he was a visiting scholar (NSF-SEED Program) at the Korea Institute of Science and Technology.

In 1974 Dr. Kim left Northwestern to return to Korea to set up a chemical engineering department in the newly created Korea Advanced Institute of Science. He was appointed Dean and then served in the newly created post of Vice President for Planning and Development. In the summer of 1979 he returned to full-time teaching and research.

Dr. Kim's research fields are reaction kinetics, catalysis, reactor design, statistical modeling and biochemical engineering.
More Faculty

CHARLES GRIMWOOD who is an Associate Professor in the Civil Engineering Department joined our faculty in January of 1980. Professor Grimwood received his B.S. degree from Drexel Institute of Technology in Electrical Engineering and went on to obtain his M.S. Degree in Electrical Engineering from Louisiana State University. He also holds a M.S. Degree in Civil Engineering from Tulane University. In 1978, he received his Ph.D in Civil Engineering from Tulane.

Before joining the faculty at Tulane he worked with the U.S. Army Corps of Engineers in New Orleans as a Project Engineer in Hydrologic Water Quality and Instrumentation Studies.

FREDERICK E. PETRY joined our faculty in July of 1980 as an Associate Professor in the Computer Science Department. His scholastic career began at Loyola University where he graduated in Physics with honors. He received his M.S. from Louisiana State University at Baton Rouge in Physics and was granted his Ph.D. from Ohio State University in March of 1975.

Before joining the staff at Tulane he held numerous teaching positions with schools such as the University of Alabama, Ohio State University and Southern University and Louisiana State University.

His fields of research interest include software engineering, data base systems, artificial intelligence and word recognition systems.

LEE A. BECKER, Assistant Professor in Computer Science, comes to Tulane from Indiana University.

His research interest are in the areas of programming languages and artificial intelligence. His knowledge of foreign languages includes Russian, German, French, Srbo-Croatian and Polish.

Dr. Becker received a B.A. in Russian languages and Literature from the University of Illinois. He completed his M.S in Computer Science at Indiana University this August. Also from the University of Illinois he received his Ph.D. in Slavic linguistics in 1978.

Before joining the Tulane faculty this July, Dr. Becker taught in the Department of Computer Science and in the Department of Linguistics at Indiana University in Alberta in Canada. Dr. Becker served as a Russian translator in the U.S. Army from 1966-70.

WALTER C. SHERMAN, Visiting Professor of Civil Engineering, joined the department January, 1981. He received his B.S. in Civil Engineering from Purdue University in 1946 and his M.S. in Civil Engineering from Harvard University in 1947. He also attended Imperial College, London University where he received an M.S. in Civil Engineering and the DIC in 1973.

Professor Sherman has been with the U.S. Army Engineer Waterways Experiment Station since 1947. He has served as Chief of the Engineering Studies Section, Soils Division, Chief of the Soil and Rock Mechanics Division and as Chief of the Earthquake Engineering and Vibration Division.

Most recently he has been Research Civil Engineer, directing or consulting on projects such as dredger material disposal, behavior of expansive clays and other special projects assigned to WES. He has served as a consultant on various projects involving pile foundations, dams and slope stability.
The Dedication of the Pendleton Lehde Electronics Laboratory

On Tuesday, November 11, 1980, the electrical engineering laboratory areas on the second floor of Stanley Thomas Hall were dedicated as the Pendleton Lehde Electronics Laboratory before a group of faculty and friends of Tulane and Mrs. Lehde.

Mr. Lehde's bequest made possible the renovation of the laboratory areas and the purchase of new equipment. President Sheldon Hackney pointed out some of the highlights of Mr. Lehde's career as a pioneer in wireless and radio and expressed Tulane's appreciation for the bequest. Mrs. Lehde recounted Mr. Lehde's long interest in Tulane and related some interesting facts about his early exploits in wireless.

A bas-relief of Mr. Lehde is located in the hallway of the laboratory area. It contains a brief summary of some of his activities at and contributions to education at Tulane. The bas-relief is the work of Miss Angela Gregory, well-known New Orleans sculptress, and a long-time friend of the Lehdes. Miss Gregory is the daughter of the late Tulane Professor of Mechanical Engineering, William B. Gregory.

During a tour of the Laboratory, the group was shown some of the equipment, still in use, which was purchased in 1942 with a gift from Mr. Lehde when the Radio and Electronics Laboratory was set up as a joint project of the Departments of Physics and Electrical Engineering.

As past generations of Tulane students have benefited from Mr. Lehde's earlier contributions to Tulane, so present and future generations will benefit from his bequest.

Walk, Haydel and Associates Establish Scholarship

During the past year, a new scholarship was established in the School by Walk, Haydel and Associates. Its purpose is to aid and assist a student enrolled in the Department of Civil, Chemical, Electrical or Mechanical Engineering. The scholarship is restricted to U.S. citizens and residents of Louisiana. The criteria for selection is academic merit. This award is to be made annually to a senior engineering student who has distinguished himself by his performance in the classroom.

The first recipient was Mr. John Haddad. The award was made at the Annual Awards Banquet. Mr. Haddad was presented a check by Dean Hugh Thompson as Mr. Gerald M. Haydel. Mr. John Haddad is truly an outstanding recipient of the first award of the scholarship. He has a grade point average of 3.7 after six semesters in Civil Engineering.

The generosity of Walk, Haydel & Associates will act as an inspiration and incentive to engineering students to excel.

Inventions...

Jack Marsal and Robot “Friend”

Jack Marsal, who received a bachelor's degree in Mechanical Engineering in May 1980, has developed a robot that earned top national honors at the November 1980 ASME “Old Guard” competition in Chicago.

Jack, who was helped in the project by Dr. Michael Lynch of the Mechanical Engineering Faculty, taught his "friend" to move its rubber-padded mechanical hand up and down, from side to side and to tighten and loosen its grip.

The robot, guided by a simple remote-control box in the operator’s hands, can pick up an egg from the top of an empty film can, move it to another surface, put it down, pick it up again and transfer it back to the original position - and not break it.

Industrial robots, Jack’s being an example, can do factory work customarily performed by humans. Some uses for these robots are on assembly lines in the automotive industry and performing tasks which could be unsafe for humans. Jack feels that the most economically feasible robot is the simplest one; anything more complicated than three or four joints is likely to cause diminishing economic returns.
KAMAL-ELDIN HASSAN joined the faculty at Tulane in 1980-81 and 1981-82 as a Visiting Professor. His educational career began in Egypt at Cairo University where he earned his B.Sc. and M.Sc. He received his Ph.D. from Illinois Institute of Technology at Chicago, IL in 1955.

His professional career has included positions as Deputy Director of the Centre for Solar Energy Studies, in Tripoli, Libya and Visiting Professor at Georgia Institute of Technology. In 1942-45 he worked as a Refrigeration and air conditioning engineer at the Ministry of Public Works, Cairo, Egypt. From 1945-74 he was Demonstrator to Chair Professor of Thermal Power at the University of Cairo, Egypt.

ALUMNI NEWS

Wayne Paul Wallace, Ph.D., CE ’34 MCE ’36 has been named Professor Emeritus of Civil Engineering at U.S.L. in Lafayette, LA.

Stanley G. Dinkel, EE ’42 is with the General Electric Co. in Harahan, LA.

W.A. Settoon, Jr., CHE ’74 is the Operations Advisor for McIntyre Mine, LTD in Calgary, Alberta, Canada.

Harold C. Burkert, Jr., CE ’76 is employed by Gulf Oil Co. in New Orleans.

W.E. McWhirter, CHE ’50 is with Amoco Oil Co. in Texas City, Texas.

Eugene C. Wilson ME ’49 is employed by Gulf Oil Co., Houston, Texas.

Fred N. Estopinal, Jr., ME ’48 Mechanical Construction Co. of New Orleans, Inc. in New Orleans.

George S. Schrenk, CE ’34 heads the George S. Schrenk & Associates firm in New Orleans.

James R. Pick, ME ’73 is with Exxon Pipeline Co. in Houston, Texas.

Kenneth M. Decossas, CHE ’44 is employed at the USDA, SEA, AR, Southern Regional Research Center in New Orleans.

James L. Simmons, CE ’59 is with Kirby Building Systems in Houston, Texas.

About the officers:

John W. Holtgreve, Jr., CE ’70 Design Engineer for N-Y Associates in New Orleans.

Dan W. McCarthy, Ph.D., CHE, Faculty member in Tulane’s Chemical Engineering Department.

Larry A. Perrin, ME ’69, Mid-South Sales Co. in New Orleans.

Oliver S. Delery, Jr., CE ’77, Design Engineer for New Orleans Cement Products Co., Inc.

Ned Simmons, ME ’77, Design Engineer for Exxon in New Orleans.

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