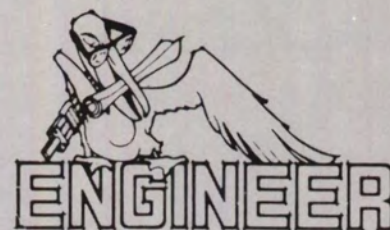


FEBRUARY, 1996
LOUISIANA



LES HONORS SEVEN ENGINEERS



D. Walter Jessen, Sr., P.E.
Andrew M. Lockett Medal



George J. Mahl, III, P.E.
Charles M. Kerr Award



Arthur A. DeFraities, Jr., P.E.
A. B. Paterson Medal



Susan H. Richard, P.E.
F. Hugh Coughlin Award



John R. Collier, P.E.
*James M. Todd
Technological
Accomplishment Medal*



Glynn P. Gautreau, P.E.
*Leo M. Odom
Professional Services Award*



Bobby E. Price, Ph.D., P.E.
*Waldemar S. Nelson
President's Award*

Inside This Issue

- ❖ Honors and Awards Statewide Meeting Registration
- ❖ Legislative Information
- ❖ Honors and Awards Recipients



High Efficiency Technology Is Standard Equipment.

It's a simple fact of physics: water is a more efficient heat transfer vehicle than air. That's why many medium-size and most large buildings find it more economical to cool their buildings by distributing chilled water to remote air-handling units than to use large air ducts from a central air handler.

Today's state-of-the-art electric heat recovery chillers take this efficiency one step further, recovering heat removed from occupied areas to provide water heating, space heating, or even process heat. When both heating and cooling are considered, a heat recovery chiller delivers energy at 20% to 40% of the cost of a traditional boiler-chiller. Typical electric chillers operate at 0.70 kilowatts per ton, compared to about 1.2 kilowatts per ton for direct expansion systems.

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Entergy can provide you with complete information on electric chiller technology and its advantages. We can help determine suitable equipment, run operating cost projections, and even help with financing options. Call Entergy today for information on the electric chiller and its benefits to you.



ENTERGY

Louisiana Power & Light

Managing Editor
Brenda W. Gajan

Publishing Consultant
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LOUISIANA ENGINEERING SOCIETY
P.O. BOX 2683, BATON ROUGE, LA 70821
STREET ADDRESS: 1213 NICHOLSON DR., BATON ROUGE, LA
TELEPHONE (504) 344-4318 • FAX (504) 344-4319

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PRESIDENTIAL PRIVILEGE

CARL A. JAKOB, P.E. • PRESIDENT • LOUISIANA ENGINEERING SOCIETY

This month's issue of your LE Magazine honors this year's recipients of our LES awards. These well deserving and unassuming individuals join the ranks of those previously recognized for their contributions to society and the engineering profession. Let them all serve as leadership role models and mentors for us in the future. My deepest respect and congratulations to each of them!

Please join us at our next statewide meeting in Houma, February 29 and March 1. Thursday night will feature a crawfish boil social gathering. On Friday we will have some very informative continuing professional development seminars, a luncheon featuring a key representative of the new state government, practice division meetings and our awards dinner. Details are contained in this magazine.

Amazingly I am writing this article as I return to Louisiana to dry out. With 10 members present, Louisiana was well represented at the recent National meeting in Portland, Oregon. Of course the meeting occurred at the height of the Pacific storms so we experienced delayed flights, 70 mph winds and a constant blanket of rain and fog. Almost like storm season in South Louisiana, but at least the rain ends here after a few hours.

One of the greatest benefits of our society is the ability to literally travel the country and expose our minds beyond our own community through group interaction with fellow professionals. This interaction takes place through electronic media, publications, multiple office project involvement and in person meetings like in Portland. It is fascinating to be in a room with individuals from Alaska to Puerto Rico and from Maine to California all with varying ideas and personalities. Yet we manage to find common ground, share ideas and develop consensus courses of action. You learn to look beyond your

own boundaries (paradigms is the key buzzword) and challenge your mind to view the world outside of engineering. Our own state society mimics this on a smaller scale with individuals from all parts of the State coming together.

What will the world be like in 2020? (Just 24 years away. If you went backwards the year would be 1972.) Do we have U.S. registered or World registered engineers? Does advanced technology create such an impact that engineers are forced to become the civic leaders of society? Does industry (I include all employers of engineers here) utilize individual employment contracts for engineers such as free agents in sports? Do we have major deregulation including engineering licensure and let market forces set the parameters? (Michigan and other areas are already seeing this.) These are just some of the issues being explored. I know many questions do not impact us in our daily lives, but I challenge you to think about such global ideas. Many outside of engineering already are.

In Louisiana, we have the opportunity to directly control our future through involvement with LES. We can find solutions to immediate problems facing engineers locally and work on programs for where we want to be 24 years from now. I encourage each of you to get a fellow professional involved, particularly those of you in industry with the upcoming proposed revision to the industrial exemption for registration. Interaction, networking and communications are the key.

For myself the trip was an actual completion of my journey through the United States. Oregon and Washington were the only two states (including the commonwealth of Puerto Rico), that I had never been to. I now can say I have at least stepped foot in each although I need to go back to the latter when I can see more than the mist in my eyes. *LE*

NEW REGISTRANTS

The Louisiana Engineering Society would like to congratulate the following new registrants of the Board of Registration. These Engineers have passed their professional engineer exam and are far along in the continuum of becoming a registered professional engineer.

LES invites these individuals to any local or state meetings and encourages LES members to personally contact these new registrants and bring them to a chapter meeting.

If anyone would like more information about joining their professional organization, contact Brenda Gajan at (504) 344-4318. Again, congratulations on your achievement!

New Registrants for the Period 10/11/95 - 01/09/96

CHEMICAL

Darrell Gene Jacob
SULPHUR, LA

CIVIL

Jeffrey Joseph Ceruti
STOUGHTON, MA

Jeffrey Alan Wagner
FORT MILL, SC

Thomas Adrian Hagood, Jr.
MARIETTA, GA

James Edward Booth Davis
ATLANTA, GA

Stephen Craig Horne
RINGGOLD, GA

Philip John Kelly
JACKSONVILLE, FL

John Steven Hough
TALLAHASSEE, FL

Charles Lynn Miller
LUTZ, FL

James Ray Brown
PELHAM, AL

William Christopher Bridges
DAPHNE, AL

Jugbir Singh
HENDERSONVILLE, TN

Kenneth Alexander Richards
NASHVILLE, TN

Kenneth Dale Taylor
VERSAILLES, KY

Gordon Russell Baker
MEDINA, OH

Don R. Miller
NEW MADISON, OH

David Jonathan Galey
MINNETONKA, MN

Melvin Ron Spooner
NEW ORLEANS, LA

Daniel Joseph Holder *

LAKE CHARLES, LA

Daniel Luther Cobb *

HAUGHTON, LA

Austin Thomas Dwyer
PINE BLUFF, AR

Karl Edward Stickley
EDMOND, OK

Walter Randolph Wilcox
CEDAR HILL, TX

Gary Kenny Williams
BELLAIRE, TX

Douglas William Baker
BELLVILLE, TX

Charles John Randle
SAN DIEGO, CA

Arvid Per Hammer
HUNTINGTON BEACH, CA

Dan McCaskill Butler
BELLINGHAM, WA

ELECTRICAL

Joel Owen Williams
CHARLOTTE, NC

James W. Alexander
PIEDMONT, SC

Richard Ira Underwood
ATLANTA, GA

Souheil Said Chehayeb
CLEARWATER, FL

Douglas Frank Queen
MONTEVALLO, AL

Constance Hickey Scott
CORDOVA, TN

Dempsey Barney Morrison III
JACKSON, TN

Ronald M. Parsley
CHICAGO, IL

David Anthony Tretter
OVERLAND, MO

Simon Henry Brown, Jr.
BATON ROUGE, LA

John Thomas Smart
CAMDEN, AR

Daniel Stuart Berndt
TULSA, OK

David Arthur Bradshaw
LUBBOCK, TX

Charles Edward Gumeson
ENGLEWOOD, CO

Kenneth Larry Kinlaw
TIJERAS, NM

INDUSTRIAL

Dennis Burton Webster
BATON ROUGE, LA

MECHANICAL

Roy Oliver Scandrol
BETHEL PARK, PA

Tom Curtis Corman
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Christopher Randolph Larson
LEAWOOD, KS

George Washington Wood
WICHITA, KS

Allen Thomas Wiley
SHREVEPORT, LA

Christopher Allen Davenport
ALEDO, TX

Richard Maxwell Gordon
ENGLEWOOD, CO

Patricia Wintermeier Ulrey
HENDERSON, NV

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Yan Chen
PARSIPPANY, NJ

Almaz Tekeste
TUCKER, GA

Robert Patrick Schutt
MIAMI, FL

Nahid Arasteh
SAFETY HARBOR, FL

Muthuswamy B. Swaminathan
CORDOVA, TN

Bao-Zhu Wei
MEMPHIS, TN

Asim Haque
VICKSBURG, MS

Liexiao Kong
CANTON, MI

Justin Brian Tracy
METAIRIE, LA

Marilyn Webster LaNasa
METAIRIE, LA

Matthew Patrick Massa
METAIRIE, LA

Anthony Joseph Turley, Jr.
METAIRIE, LA

Gino Vincento Lubrano
METAIRIE, LA

William Jay Gieseler
DESTREHAN, LA

James Byron Carroll, Sr.
HARVEY, LA

Jacob Mauricio Solano
KENNER, LA

Sidney Anthony Rovira III
KENNER, LA

Lisa Shava Grant
KENNER, LA

Juan Carlos Claros
KENNER, LA

Steven P. Bauer
KENNER, LA

Murphy J. Allo, Jr.
MARRERO, LA

Stephen Charles Kenney
NEW ORLEANS, LA

Swaminathan Krishnan
NEW ORLEANS, LA

Patricia Michelle Shea
NEW ORLEANS, LA

Nagoor Preetam
NEW ORLEANS, LA

Sydney Alisa Boone
NEW ORLEANS, LA

Terence A. Dritz
NEW ORLEANS, LA

David Leland Glasgow
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Gerrold Scott Burk
NEW ORLEANS, LA

Michael Frank Bourlet
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PORT BARRE, LA

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LAKE CHARLES, LA

David Eric Nixon
LAKE CHARLES, LA

Lance Errol Gomes
LAKE CHARLES, LA

Biao Wang
LAKE CHARLES, LA

Majid Ahmed El-Zoobi
LAKE CHARLES, LA

Ginny Mercer Bradley *

LAKE CHARLES, LA

Brandon Blake Gaspard
LAKE CHARLES, LA

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SHERIDAN, AR

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HOUSTON, TX

Nabil Ennaouaji
LAREDO, TX

Jose Emilio Herrera
BRIAN HEAD, UT

*Denotes LES member

LES Honors Seven Engineers



Andrew M. Lockett Medal for Civic Activities

The Andrew M. Lockett Medal is the Society's civic activities award and was first given in 1951. It is named to honor Andrew M. Lockett, a member of LES from 1900 until his death in 1945.

D. Walter Jessen, Sr., P.E., P.L.S.

Mr. Jessen is the Principal and Owner of the firm of D. W. Jessen and Associates, Civil and Consulting Engineers, Lake Charles, Louisiana, which he established in 1949. He graduated Cum Laude in 1940 with a Bachelor of Science Degree in Civil Engineering from Louisiana State University.

Mr. Jessen has been instrumental in the development of many facilities in the Lake Charles area. He was responsible for the design and construction of the Lake Charles Civic Center, Burton Coliseum, the Lake Charles Municipal Airport, the coke loading facilities at the Port of Lake Charles, and various bridges, overpasses and streets in the City of Lake Charles. He has served as engineer for the Gravity Drainage Districts No. 5 and the Lake Charles Harbor and Terminal District. He has served as the City Engineer for Lake Charles since 1949 to present. He also presently serves as the City Engineer for the town of Iowa, and as the Engineer for Gravity Drainage District No. 4. He is also a life member of LES.

Mr. Jessen has been an active Mason for all of his adult life. He was honored in 1969 as Inspector General Honorary, 33rd degree, for service to Masonry, community, family and to God. The 33rd degree rank is the highest within Masonry.

Mr. Jessen loves children and not just his own grandchildren (9), and great grandchildren (2). One of his meaningful

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Charles M. Kerr Public Relations Award

The Charles M. Kerr Public Relations Award is given to an engineer for distinguished service in the promotion of public relations for the engineering profession in Louisiana. It was first presented in 1965 and was named to pay tribute to Charles M. Kerr, LES President in 1954. Mr. Kerr was very active in the business world in promoting his chosen profession, engineering.

George J. Mahl, III, P.E.

George J. Mahl, III, P.E., is president of Mahl and Associates, Inc., a mechanical and electrical engineering firm in New Orleans. He was awarded his Bachelor of Science degree in Electrical Engineering in 1967 from Louisiana State University. He is a Registered Professional Engineer in the states of Louisiana, Alabama, Mississippi, Texas, Nevada and California. He and his family reside in the Harahan, LA.

Mr. Mahl joined Freeport Sulphur Co. upon his graduation in 1967, where he designed facilities for the local operating companies, then served as resident engineer for the design of the Queensland Nickel Project and the Indonesian Copper and Gold Mine. He later joined Waldemar S. Nelson and Company where he served as a project engineer before establishing Mahl and Associates, Inc.

During his professional career, Mr. Mahl has served many professional and technical societies in the New Orleans area, including president of the New Orleans Chapters of the Louisiana Engineering Society; Instrument Society of America; and the American Society of Mechanical Engineers. He is also a member of National Society of Professional Engineers, the Institute of Electrical and Electronics Engineers, the American Institute of Plant Engineers and the Society of American Military Engineers.

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A. B. Paterson Medal for an Engineer in Management

The Louisiana Engineering Society has a special award for an engineer who distinguishes himself in management. This is the A.B. Paterson Medal, which was first given in 1965. Albert B. Paterson, an active member of the Society from 1923 until his death in 1952, was an engineer, administrator, executive, banker, civic leader and humanitarian.

Arthur A. DeFraitres, Jr., P.E., P.L.S.

Arthur A. DeFraitres, Jr. received his Bachelors Degree in 1953 and Masters Degree in Civil Engineering in 1958 from Tulane University. He is a registered professional engineer in Louisiana, Mississippi and Florida, and a registered land surveyor in Louisiana.

Mr. DeFraitres began his professional career in the U.S. Navy in 1953, serving three years active duty aboard a hydrographic survey ship. From 1956 through 1958, he worked as a structural design engineer in New Orleans, Louisiana. In 1958, he joined his father's firm, DeFraitres Associates, in Houma, Louisiana, and in 1959 was made a partner. In 1963, the firm was incorporated, and he served as the secretary-treasurer and design engineer. In 1972, DeFraitres Associates, Inc., became a management and holding company, and Gulf South Engineers, Inc., became a wholly owned engineering company. He has served as President of Gulf South Engineers, Inc. since 1972, and President of DeFraitres Associates, Inc. since 1981.

Mr. DeFraitres' early activity in the Louisiana Engineering Society began in the late 1960's when he approached LES/PEPP to establish a uniform accounting system for the private practitioner. These early endeavors led to the establishment of a

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F. Hugh Coughlin Young Engineer Award

This award is given to an engineer not over 35 years of age who has, to a high degree, demonstrated capabilities in his chosen field. F. Hugh Coughlin was a member of the LES from 1944 until his death in 1979. His financial support not only pays for this award to infinity but other awards in our program. His interest in and support of young engineers was very instrumental in the establishing of this award. His name was added to the award in 1975.

Susan H. Richard, P.E.

Susan Herpin Richard, a native of Kaplan, Louisiana, graduated from the University of Southwestern Louisiana in 1987 with a Bachelor of Science degree in Civil Engineering. She began her career as an Engineer-In-Training I in the Road Design Section of the Louisiana Department of Transportation and Development in Baton Rouge. In 1988, Susan accepted a position with the consulting engineering firm Bishop & Associates, in Sarasota, Florida, where she worked as a design engineer on various private developments. She moved back to Lafayette in 1991, working for the City of Lafayette Public Works Department as a Project Engineer on various drainage improvement projects. In 1992, Susan joined the firm of Domingue, Szabo & Associates as a project engineer. She is currently a project manager with the firm, working on private development projects as well as municipal water, wastewater, and drainage projects. Susan has worked extensively in the field of sanitary sewer collection system rehabilitation and repair. She has administered sewer rehabilitation grants for the municipalities of Bunkie, New Iberia, and Breaux Bridge, and is currently administering a one mil-

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James M. Todd Technological Accomplishment Award

The Technological Accomplishment Medal is given for distinguished services by an engineer for technological advancement or discoveries as contributions to the advancement of engineering.

Dr. John R. Collier, P.E.

The Louisiana Engineering Society's 1996 James M. Todd Technological Accomplishment Award is bestowed on Dr. John R. Collier of LSU. This award is for development of a process to convert agricultural residues to value added, environmentally useful products. Specifically, erosion control mats from sugar cane rind and/or bagasse were developed, and successfully field tested this past summer at the Millerville exit of I-12 in Baton Rouge. The early work was accomplished in the Polymer Processing Laboratories of Chemical Engineering, the Audubon Sugar Institute, and the Textile Laboratories of Human Ecology at LSU. The larger scale production of fibers was accomplished at the Cinclore Sugar Mill in Brusly using a reactor designed by the engineering research team at LSU and built by Cameco in Jeanerette. The process involves low concentration alkali treatment of rind or bagasse while imposing specific mechanical action that causes the material to spit in the axial direction but not in the cross direction. Mats are then formed on a screen and dried. Besides being a lower cost alternative to commercial mats, the sugar cane mats perform better after rains than currently available mats.

Dr. John R. Collier is a Professor of Chemical Engineering, Associate Director of the Institute for Recyclable Materials, and is an Adjunct Professor in both the

Continued on page 18



Leo M. Odom Award for Services to the Profession

The Leo M. Odom Award, named after its first recipient in 1972, is given for distinguished service to the engineering profession in Louisiana by a registered Professional Engineer member of the Society who, over a period of long duration, has demonstrated leadership in technical societies and other professional engineering groups.

Glynn P. Gautreau, P.E.

Glynn P. Gautreau, P.E., considers himself a native of Baton Rouge, where he has lived all of his life, except for his teens in Gonzales, and a year in New Orleans. He earned a BSCE degree from Louisiana State University in 1962 and undertook post-graduate courses at LSU in 1964, 1965, and 1976. His advanced studies in foundation engineering were accomplished at M.I.T. between September 1974 and June 1975. He is a registered Professional Civil and Environmental Engineer, and Land Surveyor in the State of Louisiana and a registered Professional Engineer in the States of Texas and Mississippi.

After graduation and until September 1965, Glynn worked on contract in Industry and in the Manned Space Program.

Beginning in September 1965 and for 22 years, Glynn worked for a Baton Rouge soil and foundation engineering firm. After about 10 years, he was appointed to Chief Engineer. In January 1984, he became Manager of Engineering Sales.

In September 1987, Glynn formed Gautreau & Gonzalez, Inc., a firm specializing in Geotechnical Engineering.

From 1965 to 1982, Glynn served on or held offices in the following Chapter and

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**Waldemar S. Nelson
President's Award for
Distinguished Service to LES**

The Waldemar S. Nelson President's Award is given for distinguished service to the Louisiana Engineering Society by an engineer member of the Society, who has provided outstanding service to the Society, in an unselfish manner and in keeping with the highest professional standards. This award is named in honor of Waldemar S. Nelson, P.E., a distinguished member of the Society since 1936.

Bobby E. Price, Ph.D., P.E.

Dr. Bobby E. Price, P.E. holds the position of University Distinguished Professor and Associate Department Head in the Department of Civil Engineering at Louisiana Tech University. He has been on the faculty of the University since 1967 and has held positions in the College of Engineering as Director of Graduate Studies and Director of Undergraduate Studies. His areas of interests are in hydraulics, fluid mechanics, open channel flow and computer applications to the analysis and design of hydraulic systems.

Dr. Price is very involved in professional and technical organizations activities. He presently serves as Chairman of the Professional Engineers in Education Practice Division for both the National Society of Professional Engineers and the Louisiana Engineering Society (LES). He also serves as NSPE National Director for Louisiana. These respective positions place him on both the NSPE and LES Executive Committees and the NSPE and LES Board of Directors. He serves on the NSPE Research Committee.

In addition to the activities listed above, Dr. Price has served in all the offices at the Monroe Chapter and LES state levels including serving as LES President in 1987-88. He has served continuously on the LES Board of Direction as either chapter president, state elected officer or PEE chairman since 1983, with the exception of 1989-90.

He has chaired or served on various LES committees or task forces since 1970. He is presently serving on the Louisiana Engineering Foundation Board of Direction as Vice Chairman and serves as Chairman of the LEF Planning Committee.

Dr. Price is serving on the American Society of Civil Engineers' Committee on Curricula and Accreditation which recommends and administers ASCE policies and criteria regarding the accreditation of civil engineering programs around the nation. He is also serving as Senior Director for the Civil Engineering Division of the American Society for Engineering Education, which seeks new and innovative teaching/learning methods and curricula of the future for civil engineering programs.

Dr. Price is active in his community by serving as 1995 Treasurer of the Ruston/Lincoln Chamber of Commerce and Chairman of the Industrial Study Committee, and by serving as Chairman of both the Lincoln Parish Communications District (E-911) and the Lincoln Parish Geographical Information System Commission. He is a member and past-president of the Ruston Sunrise Kiwanis Club and serves as Sunday School Department Director and Deacon at Temple Baptist Church of Ruston.

Dr. Price has been recognized over the years for his academic endeavors. He received the Louisiana Tech Alumni Foundation Professorship Award; the Louisiana Tech Engineering Foundation awards for Outstanding Instruction, Distinguished Service, and Education Achievements; and 12 outstanding teaching awards from student organizations. He was named a University Distinguished Professor by Louisiana Tech University in 1993.

Dr. Price has been previously recognized by the Louisiana Engineering Society by receiving the Leo M. Odom Services to the Profession Award in 1986 and the Andrew M. Lockett Award for Civic Activities in 1992. He was selected by the Louisiana Engineering Foundation to receive the Engineering Faculty Professionalism Award in 1990.

Dr. Price is married to Patsy Patrick Price. They have two children, Barry Earl Price and Kami Kay Price; and have two grandchildren, Megan Price and Christy Schockett.

Dr. Price believes a person should use their time and talents to serve his family, his profession, his community and his church.

D. Walter Jessen, Sr.

Continued from page 6

achievements is his work with the Scottish Rite Speech-Hearing-Language Clinics in Louisiana which serves children with this type of disability, free of charge. In 1977, Mr. Jessen was elected by Louisiana membership to serve as Chairman of the Louisiana Scottish Rite Foundation. At that time, the Foundation had approximately \$100,000. Through Mr. Jessen's vision and leadership, the Foundation presently has accumulated over one million dollars and has instituted two Scottish Rite Speech-Hearing-Language Clinics, one is in New Orleans and one is in Shreveport. At these clinics, approximately 75 children are evaluated and 30 receive private therapy annually, all free of charge. The Foundation honored Mr. Jessen by naming the clinic in New Orleans the D. Walter Jessen Clinic.

The Louisiana Scottish Rite Foundation also bestows two scholarships annually to deserving individuals working on a Master's Degree in the speech/hearing area of study.

Other evidence of Mr. Jessen's dedication to children is his work with the Masonic Children's home in Alexandria. He has served on the Board of Directors for over 20 years and continues his service presently. The Home began in 1925 and took care of children whose own families were unable to, whatever the circumstances. These children were well cared for at the home and after high school, were offered college educations if they desired, all free of charge to them and their families. The Home was closed in 1995 due to lack of enrollment. The governmental foster care system has reduced the number of children available for such care as given at the Masonic Children's Home.

Another concept of importance to Mr. Jessen is the value of a good education. As a result, he has been honored by the Louisiana Scottish Rite Foundation in November 1994 with a \$41,000 check to the Foundation to annually bestow two (2) scholarships in the amount of \$2,000 each to 2 deserving junior or senior Civil Engineering students enrolled in an accredited curriculum in the state of Louisiana. As funds increase, so will the number and amount of the scholarships. The scholarships will be given in Mr. Jessen's name beginning in 1996. The \$41,000 was donated by Mr. Jessen's friends and family.

Nothing is closer to Mr. Jessen's heart than his lovely wife of 55 years, Barbara, and his family.

National Engineers Week — February 18-24, 1996

THE WHITE HOUSE
WASHINGTON
DECEMBER 12, 1995

Warm greetings to everyone observing National Engineers Week, 1996.
From home appliances to aircraft to highways to the printer that produced this message, virtually every object in our lives owes its existence to the careful work of an engineer. Advancements in engineering over the past century have given us extraordinary capabilities in travel, communication, and health care. Engineers truly turn ideas into reality, and our continued commitment to this fascinating field of study can ensure America's long-term success and leadership in the world.

This week offers a special chance to learn about the miracles of engineering in our everyday lives and to discover new opportunities for personal achievement in the engineering field. I especially encourage our young people to take part in the different demonstrations, contests, and projects offered in conjunction with National Engineers Week. By understanding more about our universe and the principles that govern it, we can build a bright future, filled with exciting innovations and promising new opportunities for all. I join all Americans in thanking our engineers for their remarkable achievements. Best wishes for a most successful week.

Bill Clinton

State of Louisiana

M. J. "Mike" Foster, Jr.
Governor

Proclamation

WHEREAS, engineers have served to improve the quality of life by our vision, innovation, and skill for thousands of years. Engineering designs have resulted in new thinking, water, air conditioning and heating, automobiles and highways, modern day conveniences, and

WHEREAS, engineers are ultimately tied to public safety. The profession impacts the public on a daily basis in almost everything we do, and

WHEREAS, the Louisiana Engineering Society was founded in 1896 by a group of New Orleans engineers and has been a member of the National Society of Professional Engineers since 1977, and

WHEREAS, the LEE and NSPE focus on the engineer's responsibility to the public and their involvement in the community, particularly in relation to licensing as a Professional Engineer, and

WHEREAS, engineers as a Professional Engineer assume specific education, an internship, passing several professional examinations and the written testimony of other Professional Engineers as to an individual's professional and ethical character, and

WHEREAS, more than 10,000 Professional Engineers are currently registered by the Louisiana State Board of Registration for Professional Engineers and Land Surveyors and are authorized to practice engineering. The Board is the legal body that regulates engineers and engineering activities, and

NOW, THEREFORE, I, M. J. "MIKE" FOSTER, JR., Governor of the State of Louisiana, do hereby proclaim February 18 through 24, 1996, as

ENGINEERS' WEEK

in the State of Louisiana, in recognition of the many contributions made by Professional Engineers to the people of our state, and in annual celebration by the LEE and NSPE.

Attest By
The Secretary
Joseph A. Kuller
Secretary of State

M. J. Foster, Jr.
Governor of Louisiana

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WARREN J. WILDER • CEC/L EXECUTIVE DIRECTOR
CONSULTING ENGINEERS SECTION

CEC/L SPONSORS FORUM...

Consulting Engineers Council of Louisiana is sponsoring a one-day conference, "1996 OUTLOOK FORUM", ON February 27, 1996 at the Radisson Hotel in Baton Rouge, Louisiana. The forum presents a unique opportunity to spend the day with representatives of six public agencies whose activities are vital to the consulting engineering community. The workshop will kick off at 8:00 A.M. with registration and coffee, and will conclude at 4:00 P.M.

In the morning session, which begins at 9:00 A.M., each of the six agency representatives will present remarks on such topics as con-

sultant selection procedures, loan/grant opportunities and forecasts for upcoming projects.

After lunch, the afternoon session will be devoted to individual visits with these representatives. You will have the opportunity to talk one-on-one with these people in an informal setting.

Public agencies and speakers include:

Mr. Tom Griggs representing State of Louisiana, Department of Environmental Quality, Municipal Facilities Division;

Mr. Robert Boagni representing State of Louisiana, Department of Transportation and Development;

Mr. Roger Magendie representing State of Louisiana, Division of Administration, Facility Planning and Control;

Ms. Dottie Tapscott representing State of Louisiana, Division of Administration, State Planning Office, Community Development Section;

Ms. Pamela Davidson representing United States Department of Commerce: Economic Development Administration; and

Mr. Mike Taylor representing United States Department of Agriculture: Farmers Home Administration.

The keynote speaker for the luncheon will be **Mr. James L. Meyer, P.E.**, President, Meyer, Meyer, LaCroix & Hixson, Inc.,

Alexandria, LA. Meyer serves as chairman of the England Air Force Base Commission. He will relate to the group the process utilized for the successful conversion of the Base into a business/industrial park. This may well serve as a model for other communities that are impacted by a closure of a significant employer in their area. Meyer will detail the work with the numerous public agencies during this project.

The fee is \$25 per person for CEC/L Members, and \$100 per person for non-CEC/L Members. The nominal fee includes the day-long seminar, all materials, coffee breaks, and lunch. *LE*

CEC/L 1996 OUTLOOK FORUM REGISTRATION FORM

Please register me/us for the workshop on February 27, 1996 at the Radisson Hotel, Baton Rouge, Louisiana.

FEE: \$25.00 PER PERSON (CEC/L MEMBER)

\$100.00 PER PERSON (NON-CEC/L MEMBER)

Name _____

Name _____

(Firm) _____

(Address) _____

(Phone) _____

Make checks payable to "Consulting Engineers Council of Louisiana" and mail it and this registration form to P.O. Box 1549, Baton Rouge, Louisiana 70821-1549. Phone (504) 387-0843.

★ BALLOT ★

Ballot to Elect CEC/L Members to Louisiana Engineers Selection Board

Act 721 passed in the 1975 Legislature amended Chapter 10 of Title 38 of the Louisiana Revised Statutes of 1950 by adding thereto a new Part VII, Selection of Professional Services for Public Contracts. Three selection boards - Architect, Engineer, and Landscape Architect - are authorized under this Act. Each board is charged with selecting design professionals for various state agency design contracts.

Consulting Engineers Council of Louisiana is required by Act 721 to elect two consulting engineers to serve one-year terms. One term begins on July 1, 1996, and the other, January 1, 1997.

Each consulting engineer working and living in the state is eligible and urged to vote.

Space on the ballot is provided for write-in candidates. A write-in candidate must be a Louisiana consulting engineer and must have agreed to serve if elected. No member or firm of which a member is an associate, employee, or stockholder shall be eligible to receive agency contracts during the term of his service, and for a period of six months thereafter.

Louisiana Engineers Selection Board BALLOT

1. Mark and return to CEC/L, P. O. Box 1549, Baton Rouge, LA, 70821, by June 30, 1996. Late ballots will not be accepted.
2. Ballot signature is not required.

Vote for One Candidate in Each Position

POSITION ONE (Term July 1, 1996 - June 30, 1997)

☐ Robert A. Basinger, P.E., Shreveport, LA

☐ For write-in candidate

POSITION TWO (Term January 1, 1997 - December 31, 1997)

☐ Giddings M. Emery, P.E., Slidell, LA

☐ For write-in candidate

IS THIS "TOOL TIME" OR WHAT??

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AWARDS MEETING
February 29, 1996 to March 2, 1996
HOUMA, LOUISIANA

All those associated with Engineering are encouraged to attend! Your registration includes admittance into all four seminars as well as lunch. All participants of this one day program will receive 6 hours of Continuing Education Credits. For those registered in other states, attendance may be credited towards CPC/CPD requirements. Please call for further information.

Overnight accommodations may be made by calling Holiday Inn, 210 S. Hollywood Road, Houma, LA at (504) 868-5851. A special room rate will be given for reservations received by February 22nd, so make your reservations early!

Please register by February 22, 1996 for a special discount.

Name: _____

Guest/Spouse: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Number: () _____ Chapter: _____

		How Many	Total
Early Member Registration	\$35.00	_____	_____
Early Non-Member Registration	\$45.00	_____	_____
Late Member Registration (after 2/22/96)	\$50.00	_____	_____
Late Non-Member Registration (after 2/22/96)	\$60.00	_____	_____
Thursday Golf (fee includes green fees & refreshments)	\$50.00	_____	_____
Thursday Crawfish Boil	\$15.00	_____	_____
Friday Lunch	FREE	_____	_____
Friday Awards Banquet	\$22.00	_____	_____
	TOTAL	_____	_____

_____ Please ✓ here if ♥ Heart Healthy is desired.

_____ My check is enclosed made payable to LES or bill my: _____ VISA _____ Master Card

Signature: _____

Account #: _____ Exp. Date: _____

Please complete and mail or fax this form by February 22 to: Louisiana Engineering Society • P. O. Box 2683, Baton Rouge, LA 70821
Phone: (504) 344-4318 FAX (504) 344-4319

AWARDS MEETING AGENDA

Holiday Inn, Houma

February 29 to March 2, 1996

Thursday, February 29, 1996

- 1:00 p.m. - 5:00 p.m. Golf
Tournament will be held at the Ellendale Country Club. For more information contact Emery Chauvin at (504) 868-1050.
- 3:00 p.m. - 5:00 p.m. Registration
- 6:00 p.m. - till Social gathering
Enjoy boiled crawfish at Gino's Restaurant located at 3019 Grand Coilleau Rd. Dress is casual. Open to everyone and all are encouraged to attend!

Friday, March 1, 1996

- 7:30 a.m. - 4:00 p.m. Registration
- 8:00 a.m. - 9:00 a.m. Committee Meetings
Membership; Legislative; Long Range Planning
- 9:00 a.m. - 10:00 a.m. Committee Meetings
Young Engineers; Liaison/State Board of Registration; Inter-Society Relations
- 10:00 a.m. - 10:55 a.m. SEMINAR I: Environmental Issues
Wynn White, P.E. will conduct a seminar on environmental issues impacting excavation, building renovation, and environmental remediation projects. This program will identify potential environmental problems and solutions to these problems.
- 11:00 a.m. - Noon SEMINAR II: Loss Prevention
Charles Seemann with Deutsch, Kerrigan and Stiles. Mr. Seemann,

construction law attorney will conduct a seminar on liability issues facing engineers and steps that can be taken to minimize exposure to claims and litigation.

Noon - 1:00 p.m.

LUNCH

Guest Speaker: H.B. "Hunt" Downer, Jr., Louisiana House of Representatives, Speaker of the House

1:00 p.m. - 3:00 p.m.

Louisiana Engineering Foundation Board meeting

1:10 p.m. - 2:10 p.m.

Seminar III: 3D Computer Animation

Steven Lee with Vision 3D will conduct a seminar on 3D modeling and animations. This seminar is designed for sciences, engineering, architecture, promotional videos and industry.

2:20 p.m. - 3:20 p.m.

SEMINAR IV: Industrial Exemption

Edgar Benoit, P.E. will discuss the status of the proposed changes to the registration law made by the Industrial Advisory Committee (IAC) to the Professional Engineers and Land Surveyors.

3:30 p.m. - 5:00 p.m.

Practice Division Meetings

6:00 p.m. - 7:00 p.m.

Cocktails and Publicity Pictures

7:00 p.m. - 10:00 p.m.

Awards Banquet

Saturday, March 2, 1996

8:00 a.m. - 10:00 a.m.

Louisiana Engineering Society Board of Direction meeting

WELCOME NEW MEMBERS

Alexandria Chapter

Mitchell W. Charrier, Jr., E.I.T.
 Alfreda Sampson, E.I.T.
 Ralph A. Scott
 Louis C. Guidry, P.E.

David Randolph

Kyle Smith
 Will Vidrine
 Douglas D. Dorsey, Jr. E.I.T.

Lake Charles Chapter

Edward Hart, E.I.T.

Baton Rouge Chapter

Thomas L. Hunt, P.E.
 Allen Neal, P.E., P.L.S.

Monroe Chapter

Johnny R. Russ, E.I.T.

Lafayette Chapter

Barry J. Hebert, P.E.
 Todd J. Blanchard
 Brad Bonin
 Brady Boudreaux
 Kelli Breaux
 Anthony Cocita
 John Collet
 Dennis Hebert
 Ross Huval
 Timothy Jones
 Susan Justice
 Kent LeBlanc

New Orleans Chapter

Jean Paul Bergeaux
 Amy Brasset
 Mark Bryan
 Doug Fisher
 Scott Maddox
 Michelle Robichaux
 Michelle Spraul
 Sammy Tom
 Randall J. Abadie, P.E.

Out-of-State

Gregory Poole, E.I.T.

Toys for Tots

Our December Toys for Tots campaign was a success! The State Office collected over \$300 in cash contributions and approximately \$300 in toys. Thanks go out to all individuals who contributed this year and we are looking forward to this program growing in 1996.

Call for 1996/97

NSPE Committee Nominations

Nominations are being accepted for individuals to serve on NSPE committees for 1996/97. Self-nominations are welcomed. Anyone interested in serving on a national committee may contact the State Office to obtain nomination forms. *All forms must be sent to NSPE Headquarters no later than February 15, 1996.*

To assist you in making your nominations, the following criteria should apply to the persons identified:

1. Must be a member of NSPE, or where appropriate, a State Society Executive;
2. Should be knowledgeable about the identified committee activity;
3. Should be able to devote the time and attention required to fulfill committee responsibilities (most committees meet by conference call);
4. Must be willing to serve if appointed.

CALENDAR OF EVENTS

We invite all technical and professional organizations to submit their meeting dates for publication in the *Louisiana Engineer* to: Editor, P. O. Box 2683, Baton Rouge, LA 70821.

February 1996

- 1 LES Executive Board Meeting - Baton Rouge
New Orleans Chapter Board Meeting
- 2 Lafayette Chapter Board Meeting
- 3-24 Chapter MATHCOUNTS competition
- 15 Baton Rouge Chapter Engineers Week Banquet
- 18-24 National Engineers Week
- 20 Mardi Gras
- 22 Planning Meeting for 1996 Fall Joint Meeting
Baton Rouge
Lafayette Chapter Meeting-Engineers
Week/MATHCOUNTS Banquet
New Orleans Chapter Engineers Week Banquet -
Shell Auger

29-3/2 LES Honors & Awards Meeting - Houma

March 1996

- 1 LES/NSPE 3rd and final dues notices mailed
Lafayette Chapter Board Meeting
- 5-7 New Orleans Science Fair
- 7 New Orleans Chapter Board Meeting
- 13 Lafayette Chapter Board Meeting
- 15 Deadline for copy, LE Magazine, April issue
- 16 MATHCOUNTS State Competition - Lafayette
- 20 Alexandria Chapter Meeting
- 31 Last day to pay 1996 membership dues

April 1996

- 4 Lafayette Chapter Board Meeting
- 7 Easter Sunday
- 17 Lafayette Chapter Meeting - Election of Officers
- 19 Alexandria Chapter Crawfish Boil
- 26 Lafayette Chapter Board Meeting

Dues are Due!

Members who have not yet paid 1996 dues are urged to do so by March 31st to insure continued services, mailings, etc., and good standing. Members remaining "unpaid" on April 1 forfeit membership. *LES needs all if its members . . . Members need LES!*

LAKE CHARLES CHAPTER

By Melissa R. Jensen, P.E.
Lake Charles Chapter President

October, November, and December were busy months for LES here in Lake Charles. We were involved in many events and each turned out very well.

Registration Law Forum: On November 28th, we hosted a forum on the status of the proposed changes to the registration law made by the Industrial Advisory Committee (IAC) to the Louisiana State Board of Registration for Professional Engineers and Land Surveyors. Sixty-four engineers, of which approximately 30 were non-LES members, attended this lively discussion! Answering questions from the crowd were 3 members of the IAC, (1) Mr. Kerry Hawkins, P.E. with Exxon Company in Baton Rouge, (2) Mr. Edgar Benoit, P.E. with Cajun Electric Power Cooperative in Baton Rouge, and (3) Mr. Vernon Meyer, P.E. P.L.S. of Meyer & Associates, Inc. in Sulphur. Forty five minutes after the meeting had officially ended, there were about 27 people still present discussing the topic. What a meeting!!!

MATHCOUNTS Workshop: The goal of the **MATHCOUNTS Workshop** was two-fold:

- to have fun meeting all potential coaches and to encourage them to participate in MATHCOUNTS, especially those new to the program, and
- to improve coaching skills.

Based on the comments on the evaluation form completed by the teachers at the end of the day, our workshop successfully met the goals! On October 6th, 37 teachers representing 27 schools from across Louisiana attended our Coaching Workshop. Two of the 37 teachers in attendance were from Texas. Our program, which began at 9:00 AM and ended at about 2:30 PM, ran smoothly all day and was well received. Comments on the evaluation form were all very positive and included some very good ideas to incorporate into next year's workshop. The success of our workshop was in LARGE part due to Dr. George Mead and his excellent teaching staff with the Department of Math, Computer Science and Statistics at McNeese. The Lake Charles Chapter appreciates the time and effort that Dr. Nola Tracy (probability), Dr. Karen Aucion (number theory) and Dr. Bobbie Yellott (geometry) extend each year to make the workshop possible.

MATHCOUNTS Scrimmage Game: On December 1st, approximately 120 middle school students from 8 area schools participated in a MATHCOUNTS scrimmage hosted by Our Lady Queen of Heaven School. It began at 9:00 AM and ended at about 1:30 PM. We want to thank OLQH and especially Liz Pirolo for all her efforts to organize this event.

We would like to thank all those who have contributed financially this year to our MATHCOUNTS funds. They are Edward and Beverly Lanier, Citgo Petroleum Corp., Calcasieu Mechanical Contractors, Fugro-McClelland (Southwest), Vista Chemical, Livingston Engineers, Charles Miller Construction, Kiwanis of South Lake Charles, Gulf States Utilities, Meyer and Associates, Ron Jones, F. Miller and Sons, Transit Mix Concrete, Rivers Fence Co., Firestone,

Calcasieu Refining, Montell USA, McManus Construction, and PPG Industries. We appreciate your support!!!!

General Meeting with Dr. Proffitt: On October 10th, 25 local engineers attended our meeting at Ryan's Steak House to hear Dr. Edward Proffitt discuss the ongoing work at the Louisiana Environmental Research Center at McNeese State University. He reviewed a number of studies on oilspill effects and remediation results in marsh systems, and restoration in the Sabine Refuge. Thank you Dr. Proffitt !!!

MSU Homecoming Tailgate Party: October 21st was McNeese University's Homecoming and we had a great tailgate party to celebrate. The party was sponsored by **Keystone Southeast** in Baton Rouge. We especially appreciate **Mr. Cary Goss and Mrs. Toni Tueter with Keystone** for making it all possible. Approximately 50 LES members, students, and guests had a great time visiting, eating, and playing volleyball. LES student memberships will be provided to 7 engineering students. Congratulations to McNeese Football Team on such a winning season!!!! Go Cowboys!!!!!!

Many thanks those who helped with the party: Lee Lancon, Dan Jacobsen, David Duhon, Dan and Debbie Holder, Liz Miller, Chellie Boudreaux, Ronnie Dupont, and Walter Jessen.

We are happy to announce that the McNeese Engineering Society (MES) won first place in the small division in the MSU Homecoming Parade Float Contest!!!! The students put together a great float with a space shuttle replica blasting off through a football goal post. Their sound system was used to play music, of course, but also to announce to the crowd that the field of engineering is an exciting place to be and has a tremendous impact on society.

Congratulations to the many students that worked on the project: Keisha Turner, Robert Whaley, Richard Tyler, Chad Coleman, Joel Stromer, Russell Gross, Laura Reed, Alicia White, Aaron Guidry, Rusty Istre, Lee Guidry, Tim Soileau, Tyson Godzy, Eric Simpson, David Coleman, Alan Dickerson, Erin Ball, Shamon Ecung, Suzanne Reeves, Ellis Boyd, Neal D'Souza, Darren Goudeau, and Brandon Gaspard.

MES would like to thank those that contributed to the success of their float: Dr. Valentine, David Duhon (Fugro- McClelland), Dan Holder (Soil Testing), Lee Lancon, Mere's Wrecker Service, Prien Pines Nursery, and Russell Gross's uncle. Thank you !!!!!

Upcoming events:

1. **The Internet:** On January 30th, we will have a general membership meeting with hands on computer instruction concerning the Internet. It is planned for 7 P.M. at the MSU Engineering Conference Room.
2. **Southwest Louisiana Regional MATHCOUNTS Competition:** On February 3rd, 20 schools will be participating in our MATHCOUNTS Competition!
3. **Engineers Week Banquet:** The Lake Charles Country Club will be the place to be on February 15th at 6:30 P.M. for our annual banquet.

See you there!!!!!!

VOLUNTEERS NEEDED!

With the start of a new year, the LES State Office is in need of volunteers to help perform many of the tasks required in keeping up with the growing need to provide service to our members. We need volunteers to help in the office by answering the phone, filing, stuffing envelopes, etc. Anyone interested please call Brenda or Sharon at (504) 344-4318.

Mandatory Continuing Professional Development

(Managing the Change)

by Robert A. Brossette, P.E.

Mandatory Continuing Professional Development (CPD) has long been debated within the engineering community in Louisiana, and based on the input of LES membership an overwhelming 67% were against the mandatory provision. While we can debate the pros and cons of this issue, the general LES membership, at this time, is not supportive of the mandatory provision, and urged LES leadership to strongly oppose and be resolute to any such movement by the Louisiana Legislature and/or other parties. Because there is a national movement and trend to implement mandatory CPD for engineers and land surveyors, an ad hoc committee was formed with representatives from the Louisiana Society of Professional Surveyors (LSPS), the Board of Registration for Professional Engineers and Land Surveyors (Board) and the LES (Dr. Bobby E. Price and myself represented LES, with Ann Trappey providing valuable backup) to study and determine if passage of a mandatory CPD requirement in Louisiana was appropriate. Some of the issues and concerns that were addressed by the ad hoc committee are as follows:

- Over 30 states have mandatory CPD for surveyors, less than 10 for engineers
- Professional surveyors who are members of LSPS were supportive of mandatory CPD, LES members were not
- Passage of mandatory CPD could further splinter and divide the engineering profession
- Could be costly for the Board to implement, and track mandatory CPD
- Quantifiable and measurable benefits questioned
- Customers (clients, general public) view of engineering profession as a learned one thus requiring mandatory continuous learning and education
- Is mandatory CPD, as proposed, a solution to a vague issue that hadn't gathered significant support
- If there is a real concern within the profession, is mandatory CPD a necessary solution and/or the only alternative
- The Industrial Advisory Committee (IAC) (representatives of the Board, Industry and LES) has not endorsed mandatory CPD
- IAC believes that mandatory CPD could be impediment to the committees primary goal of motivating more engineers in industry to become registered

The ad hoc committee solicited input from Louisiana technical societies (IEEE, ASME, ASCE, AICHE, etc.) and other states with enabling legislation. After examining this data and subsequent to meaningful, open and honest discussion by the ad hoc committee members, the ad hoc committee recommended that the Board promulgate rules to provide for the implementation of mandatory CPD for professional engineers and/or land surveyors upon written request by the Board of Direction of the Louisiana Engineering Society and/or the Louisiana Society of Professional Surveyors. The respective Boards shall include guidelines and a time schedule for implementation with their request.

The Louisiana Board of Registration for Professional Engineers and Land Surveyors voted on January 23, 1996 to consider the need to promulgate rules that would provide for mandatory continuing professional development upon written request from the Board of Direction of the LES and/or LSPS and with the recommended guidelines and time lines for implementing said CPD. The LES Board of Direction, in accordance with the feedback and aspiration of its membership *will not approach* the Board with any such request, and will work within the engineering profession to manage this change when, and if appropriate. *LE*

Walt Disney's Magic Kingdom Club

MEMBERSHIP APPLICATION

11/96

41614

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The Young Engineers Committee is hard at work, trying to attain the goals set forth at the beginning of the year. These goals and the status of each are as follows:

1. Changing the title of Engineering-in-Training (EIT) to Engineer Intern. The Committee feels the latter title relays a more professional connotation than the former title. The LES Board of Direction expressed its support of this change to the State Board of Registration for Professional Engineers and Land Surveyors, who subsequently had stated its support of this change, and its intention to pursue the change during the next legislative session.
2. Establishing graduated dues for graduate students and new graduates, to promote membership among recent graduates. NSPE is currently researching this possibility, so the Committee will coordinate with their efforts.
3. Establishing a student chapter of LES at each university which offers engineering studies in the state. The Committee feels that if membership is begun at the student level, it is more likely to be continued into the post-graduate and professional stages of an engineer's career. Furthermore, LES involvement at a student level will serve to better promote registration as a professional engineer, which is a primary goal of LES. Currently, the only student chapter in the state is at the University of Southwestern LA, which is extremely active and thriving. Constitution and By-Laws

of the U.S.L. Student Chapter have been forwarded to all chapters with engineering colleges within their chapter, for their use in establishing student chapters. Please support and assist your local Young Engineers Committee in this endeavor.

Long term goals of the Committee include:

- Establishing an LES paper contest with monetary awards for the winners. The contest would be held in conjunction with the Spring Conference.
- Establish an award for the best student chapter in the state. This would not be a single competition, but one based on the organization and activity of the student chapter.
- Arrange for student chapters to receive the "LE" Magazine. In addition, the students will be encouraged to submit articles for inclusion in the magazine to inform the rest of the members of their activities.
- Establishing a Contact Member program similar to ASCE's, in which a professional (or two) would be assigned to the student chapter and would attend their meetings, be a liaison between the students and the professionals, and offer the students assistance and advice.

The support, encouragement and suggestions of all LES members in these programs is greatly appreciated. *LE*

LES Honors Seven Engineers (*continued*)

George J. Mahl, III, P.E.

Continued from page 6

Many of Mr. Mahl's contributions to the public awareness of the engineering profession are a result of his actions in the public arena. He began this service in 1983 when he co-founded and served as the initial vice-president of the Imperial Estates Civic Association. Soon after, he was appointed, by the mayor of the City of Harahan, as Chairman of the City of Harahan Environmental Defense Committee, where he planned and moderated a public hearing attended by 2,000 residents which culminated in the successful defense of the residential character and property values of the City. He was then appointed to the Planning and Zoning Board of Harahan, where, during his tenure as chairman, he led the re-write of the City zoning ordinance, which successfully established City zoning authority over the Mississippi River Batture within the City. He has received extensive publicity during his tenure as Commissioner of the East Jefferson Levee District where he is a leader in technical and fiscal responsibility. He is a now serving his second term as treasurer of the University of New Orleans' Business/Higher Education Council. As chairman of the Council's Elementary and Secondary Education Task Force, he established Compact 6, which is partnership of

the the public school systems of Orleans, Jefferson, St. Tammany, St. Bernard, Plaquemines, and St. Charles and the University of New Orleans.

The publicity Mr. Mahl actions have received has firmly demonstrated to the public the value of the contributions that engineers make to society.

Arthur A. DeFraités, Jr., P.E., P.L.S.

Continued from page 6

chart of accounts compiled from several private practice firms. In 1977, he met Mr. Neal Harper of Harper and Shuman, Boston, Massachusetts, who was working with the American Institute of Architect on a uniform accounting package for architectural services. In 1980, as a member of the National PEPP Executive Committee, he served on the committee that negotiated an agreement between NSPE/PEPP and Harper and Shuman to develop a stand-alone version of Computerized Financial Management Systems (CFMS) which would be directed towards the engineering profession. That relationship continues today and has been a major service that PEPP provides to its members.

Mr. DeFraités is additionally either an officer or a member of the Board of Directors of a number of closely held corporations

involved in business management, real estate development, and oilfield services. These firms include Geographic Computer Technologies, Inc., Gulf South Environmental Consultants, Inc., Devland Corporation, Houma Oil and Gas Production Center, Inc., and Preeminent Energy Services, Inc.

Mr. DeFraités received special recognition for outstanding service as Chairman of the LES Legislative Committee in 1974, and the Leo M. Odom Award for professionalism in 1984. In 1988, he received the national Annual PEPP award for the outstanding engineer in private practice.

Mr. DeFraités is very active in community affairs having been a former Jaycee and Civil Defense Director. He is a Past President of The Houma-Terrebonne Chamber of Commerce; a member of the Houma-Terrebonne Rotary Club, the Terrebonne Historical Society, and is the current chairman of the Tulane University Engineering School Advisory Board.

He is presently serving his fourth term as a member of the Louisiana Democratic State Central Committee, and has served on its Executive Committee. He was a delegate to the 1984 National Democratic Convention.

Mr. DeFraités is married to the former Mary Helen Starnes of Hammond, Louisiana. Together they have five children: Arthur, Christopher, Alan, Diane and Mary.

Susan H. Richard, P.E.

Continued from page 7

lion dollar sewer rehabilitation grant and a 1.1 million dollar DEQ loan-funded sewer rehabilitation project for the City of New Iberia.

Susan has served in various capacities in professional societies. As a student at U.S.L., she served as Treasurer of the American Society of Civil Engineers, and was a member of LES and Chi Epsilon. In Florida, she served as treasurer and secretary of the local chapter of the American Society of Civil Engineers, and was a member of the Florida Engineering Society. Since 1991, she has been a member of LES and NSPE, and has served the Lafayette Chapter as Treasurer, First Vice-President, President, and as chairman of various standing committees. Susan is currently serving a two-year term as State Director of LES. During Susan's time as President, the Lafayette Chapter continued its successful activities, such as the Annual U.S.L. Tailgate Party and the MATHCOUNTS competition and Banquet, developed a strong relationship with the U.S.L. Student Chapter, and initiated several new activities, such as an Annual Food Drive in association with Acadiana's Foodnet Program, participation in a Habitat for Humanity project, and a Lower Elementary and Junior High School Awareness Program, to make first graders and junior high school students aware that "not all engineers drive trains". Susan also serves on the Outreach Committee of Our Lady of Fatima Church, and assists with Facilities Planning, is a Bayou Council Daisy Scout Troop Co-Leader, and is a member of the Krewe of Bonaparte Mardi Gras Krewe.

Susan is married to Chris Richard, also a professional civil engineer with the firm of Domingue, Szabo and Associates, is the mother of twin five-year-old girls, Brooke and Sarah, and is expecting their third child in May.

Susan Richard has demonstrated exceptional capabilities in her chosen field of engineering and has generated an enthusiastic approach toward professional achievement. Her success can only serve to inspire and encourage other young engineers.

Dr. John R. Collier, P.E.

Continued from page 7

Audubon Sugar Institute and Biological and Agricultural Engineering, at Louisiana State University and the LSU Agricultural Center in Baton Rouge. He is the immediate past chair of the local section of the American Institute of Chemical Engineers and is Vice

President of the Faculty Senate at LSU. He and his wife, Dr. Billie J. Collier, Director of the School of Human Ecology and a Professor of Textiles, Apparel Design and Merchandising came to LSU in 1988, with John as chairman of the Chemical Engineering Department and Billie as an Associate Professor in Home Economics. Prior to coming to LSU, both were faculty members at Ohio University, with John being a chaired professor of Chemical Engineering, formerly Associate Dean of the Graduate College and Research Institute, and the recipient of a university award for undergraduate teaching excellence. Billie is a Louisiana native, with her father, Jack Rumbelow living in Metairie and her brother, Randy Rumbelow and his family living in Kenner. John is a registered professional engineer in both Louisiana and Ohio.

Both Dr. Colliers are responsible for this development, are co-inventors on a pending patent application and co-principal investigators on the grants that have supported this research. The project started with Dr. John Collier, as an engineering professor, supported for a fraction of his time through non-formula funding to LSU, developing preliminary data. Subsequently the Louisiana Board of Regents, through the Louisiana Education Quality Support fund, awarded a grant to the Drs. Collier for this project. The results of this research led to grants from the American Sugar Cane League, the US Department of Agriculture, and the Louisiana Transportation Research Center. The latter sponsored and participated in the field test, and is part of LSU and the Louisiana Department of Transportation and Development.

The Colliers have been assisted in this effort by graduate students in Chemical Engineering and Human Ecology, including Maryoud Elsunni, Julia Thames, Ovidiu and Simona Romanoschi, Simona Despa, Pankaj Agarwal, Yong Ping Chen, Manpreet Arora, and Wei Ying Tao, and by John Oglesby and Curtis Fletcher at LTRC. Additional products from sugar cane and kenaf rind, and bagasse are being developed by this research group with assistance from Dr. Phiroze Dastoor in Human Ecology and Dr. Mike Mailander in Biological and Agricultural Engineering.

Dr. Collier's outstanding achievements make him a worthy recipient of the James M. Todd Technology Accomplishment Medal.

Glynn P. Gautreau, P.E.

Continued from page 7

State Louisiana Engineering Society (LES) Committees: Vice Chairman of Membership; Vice Chairman and Chairman of Vocational Guidance; Publicity Chairman for Engineer's Week; Intersociety Relations; Chairman of Career Day at LSU; Chairman of Young Engineers; Legislative Chairman; Vice Chairman of Public Relations; Secretary/Treasurer; 2nd Vice President; and President Elect. From 1982 to 1983, Glynn served as the Baton Rouge Chapter President.

Glynn focused most of his LES activities beginning in 1983 at the State level. These included: Mathcounts; Public Relations; State Board of Directors; Long Range Planning; Vice Chairman of the Ethics and Professional Conduct; Secretary/Treasurer; 2nd Vice President; and 1st Vice President. In 1992, Glynn served as LES State President.

As LES State President, Mr. Gautreau's leadership was called upon to help resolve difficult legislative matters. Two bills were introduced during the 1993 Legislative Session that would, if enacted, significantly modify the law that regulates the practice of engineering and land surveying. He was instrumental in helping the opposing parties understand the impact that the proposed law would have on practicing professional engineers, engineers in industry and the public. He was successful in achieving a compromise between the parties that resulted in the establishment of the Industrial Advisory Committee of the Louisiana State Board of Registered Professional Engineers and Land Surveyors. The committee is continuing to operate.

Following that, his tasks included those of the Past President: Vice Chairman and Chairman of Honors and Awards.

In 1989, Glynn received the "Outstanding Engineer in Private Practice" Award for the Baton Rouge Chapter of LES.

Glynn has been active in the American Society of Civil Engineers, serving in all elected offices in the Baton Rouge Branch. He is also a member of the National Society of Professional Engineers (NSPE).

Glynn is married to the former Bonnie Babin of Duplessis and has three sons, two daughters, and two grandchildren.

Mr. Gautreau has clearly exhibited the meaning of the Leo M. Odom Award, by his dedication and service to the engineering profession.

Member Placement Service

Participation in the LES Member Placement Service program is offered at NO CHARGE to members in good standing (current year dues paid). Qualified members seeking employment in engineering positions may submit a "positions wanted ad" of 50 words or less. Ad must contain the following: position desired, brief description of experience, years of experience, degree (specialty or major, name and location of school), license type, and relocation status (if desired). A code number will be assigned to your ad in order to protect the confidentiality of your search for employment. NOTE: DO NOT SEND RESUMES! Only ads of 50 words or less, containing the information requested, will be accepted.

Submit ads to: Louisiana Engineer, ATTN Classified/MPS, P. O. Box 2683, Baton Rouge, LA 70821. For additional information, call the LES office at (504)344-4318. You may fax your ad to LES at (504)344-4319.

Employer: If you are interested in speaking with any of these or other LES member candidates seeking employment, please complete this form and mail to LES, P. O. Box 2683, Baton Rouge, LA 70821 or fax to (504)344-4319.

Name: _____

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LES will contact the member candidate to inform him/her of your interest and will be given the name and phone number of the person from your company that desires an interview or discussion. The member candidate is responsible for contacting the company directly if he/she chooses. LES does not guarantee that the company will be contacted by the candidate or that the candidate will obtain employment as a result of this service.

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Dennis R. Bagneris, Sr. (D), #3
4948 Chef Menteur Highway
Room 318
New Orleans, Louisiana 70126
504/942-8198

Diana E. Bajoie (D), #5
Post Office Box 15168
New Orleans, Louisiana 70175
504/568-7760

Robert J. Barham (D), #33
Post Office Box 249
Rayville, Louisiana 71269
318/728-6830

Ron Bean (R), #38
2520 Burt Kouns Industrial Loop,
Suite 201
Shreveport, Louisiana 71118
318/688-9865

Mike Branch (R), #13
17433 Abundance Drive
Greenwell Springs, LA 70739
504/261-2070

James David Cain (D), #30
Post Office Box 427
Dry Creek, Louisiana 70637
318/328-7266

Foster L. Campbell (D), #36
1800 Jimmie Davis Highway
Bossier City, Louisiana 71112
318/746-2078

Tommy Casanova, III (R), #26
Business Address
Post Office Box 1022
Crowley, Louisiana 70526
318/783-3073

Jim Cox (D), #27
723 Broad Street
Lake Charles, Louisiana 70601
318/436-6611

Donald R. Cravins (D), #24
200 West Pine Street
Lafayette, Louisiana 70501
318/234-9695

John L. "Jay" Dardenne (R), #16
Post Office Box 2976
Baton Rouge, Louisiana 70821
504/342-9788

Lynn Dean (R), #1
8404 Colonel Drive
Chalmette, LA 70043
504/682-5772
504/277-9397

B.G. Dyess (D), #29
2015 Shirley Park Place
Alexandria, Louisiana 71301
318/445-1793

Noble E. Ellington (D), #32
4272 Front Street
Highway 15
Winnsboro, Louisiana 71295
318/435-9752

Randy Ewing (D), #35
Chautauqua Square
206 East Reynolds Drive, Ste. H1
Ruston, Louisiana 71270
318/251-1431

Wilson Fields (D), #15
Post Office Box 52814
Baton Rouge, Louisiana 70802
504/389-4831

Thomas A. Greene (D), #17
Post Office Box 338
Maringouin, Louisiana 70757
504/637-3546

John M. Guidry (D), #14
Post Office Box 387
Baton Rouge, Louisiana 70821
504/342-9793

John Hainkel (R), #6
704 Carondelet Street
New Orleans, Louisiana 70130
504/581-3838

Francis C. Heitmeier (D), #7
3709 General DeGaulle
New Orleans, Louisiana 70114
504/361-6014

Donald E. Hines (D), #28
Post Office Box 262
Bunkie, Louisiana 71322
318/346-7283

Ken Hollis (R), #9
Post Office Box 6522
Metairie, Louisiana 70009
504/838-8979

Paulette R. Irons (D), #4
3308 Tulane Avenue, Suite 300
New Orleans, Louisiana 70119
504/826-2498

Jon D. Johnson (D), #2
7240 Crowder Boulevard
Suite 405
New Orleans, Louisiana 70127
504/245-1542

Charles D. Jones (D), #34
141 Desiard Street, Suite 315
Monroe, Louisiana 71202
318/362-5469

J. Lomax Jordan, Jr. (R), #23
315 South College Road,
Suite 161
Lafayette, Louisiana 70503
318/233-9984

Louis Lambert (D), #18
Post Office Box 94183
Baton Rouge, Louisiana 70804
504/342-0667

Ron Landry (D), #19
Post Office Box 189
LaPlace, Louisiana 70069
504/652-2379

Arthur J. "Art" Lentini (R), #10
Business Address
2551 Metairie Road
Metairie, Louisiana 70001
504/838-8777

Max T. Malone (R), #37
610 Marshall
Shreveport, Louisiana 71101
318/425-3464

Cecil Picard (D), #25
Post Office Box 430
Abbeville, Louisiana 70511-0430
318/898-4304

Michael Robichaux (D), #20
Post Office Box 68
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504/537-7546

Craig F. Romero, (R), #22
Post Office Drawer 12539
New Iberia, Louisiana 70562-2539
318/364-8006

Tom Schedler (R), #11
106 Fountain Drive
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Phil Short (R), #12
Post Office Box 3064
Covington, Louisiana 70434
504/893-2023

John Siracusa (D), #21
Business Address
8905 Highway 90 East
Morgan City, Louisiana 70380
504/384-0703

Mike Smith (D), #31
Business Address
Post Office Box 1381
Winnfield, Louisiana 71483
318/628-3075

Gregory Tarver (D), #39
1104 Pierre Avenue
Shreveport, Louisiana 71103
318/676-7874

Chris Ullo (D), #8
2150 Westbank Expressway
Suite 705
Harvey, Louisiana 70058
504/361-6690

HOUSE OF REPRESENTATIVES

Elias "Bo" Ackal, Jr., (D) # 48
P. O. Box 13408
New Iberia, LA 70562-3408
(318)367-8791
(318)373-0148

John A. Alario, Jr. (D) #83
1063 Muller Parkway
Westwego, LA 70094-5616
(504)340-2221
(504)621-7630
(504)341-0794

Avery C. Alexander (D) #93
115 S. Galvez
New Orleans, LA 70119
(504)821-7435
(504)522-9819

Rodney Alexander (d) #13
P.O. Box 665
Jonesboro, LA 71251
(318)259-8694
(318)259-7324

Glenn Ansardi, (D) #92
1940 I-10 Service Road, Suite 125
Kenner, LA 70065
(504)466-1331
(504)621-5640
(504)466-6677

Robert E. Barton (D) #8
434 Mayfair Dr.
Bossier City, LA 71111
(318)741-7158
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Clara G. Baudoin (D) #39
1209 Mardi Gras
Carencro, LA 70520
(318)896-1340

Ernest Baylor, Jr. (D) #3
1902 Midway Street
Shreveport, LA 71108
(318)635-1850
(318)632-2047
(318)636-5285

Shirley Bowler (R) #78
1321 Hickory Avenue
Harahan, LA 70123
(504)738-1922
(504)736-7113

Beverly G. Bruce #7
1516 Starks Drive
Mansfield, LA 71052
(318)872-1666
(318)872-3764

Roy Brun, (R) #5
725 Lane Bldg., 610 Marshall St.
Shreveport, LA 71101
(318)424-1802
(318)424-1441
(318)226-7901

C. E. "Peppi" Bruneau, Jr., (R) #94
145 Robert E. Lee Blvd., Suite 206
New Orleans, LA 70124
(504)568-7604
(504)621-7604
(504)483-4686

Joel T. Chaisson, II, #56
P. O. Box 1255
Destrehan, LA 70047
(504)764-9911
(504)725-1701
(504)764-9686

Jacquelyn Brechtel Clarkson, (D) #102
Westpark One - One Seine Court
Suite 200
New Orleans, LA 70114
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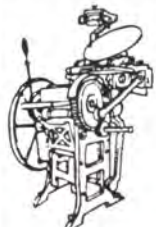
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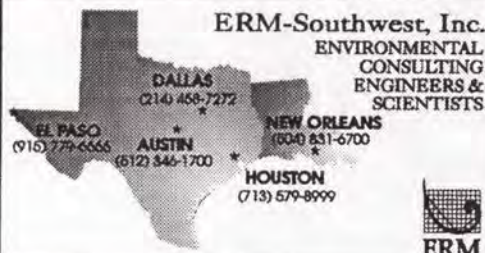
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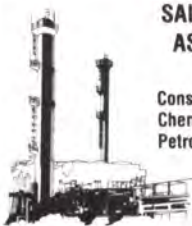


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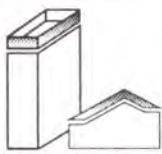
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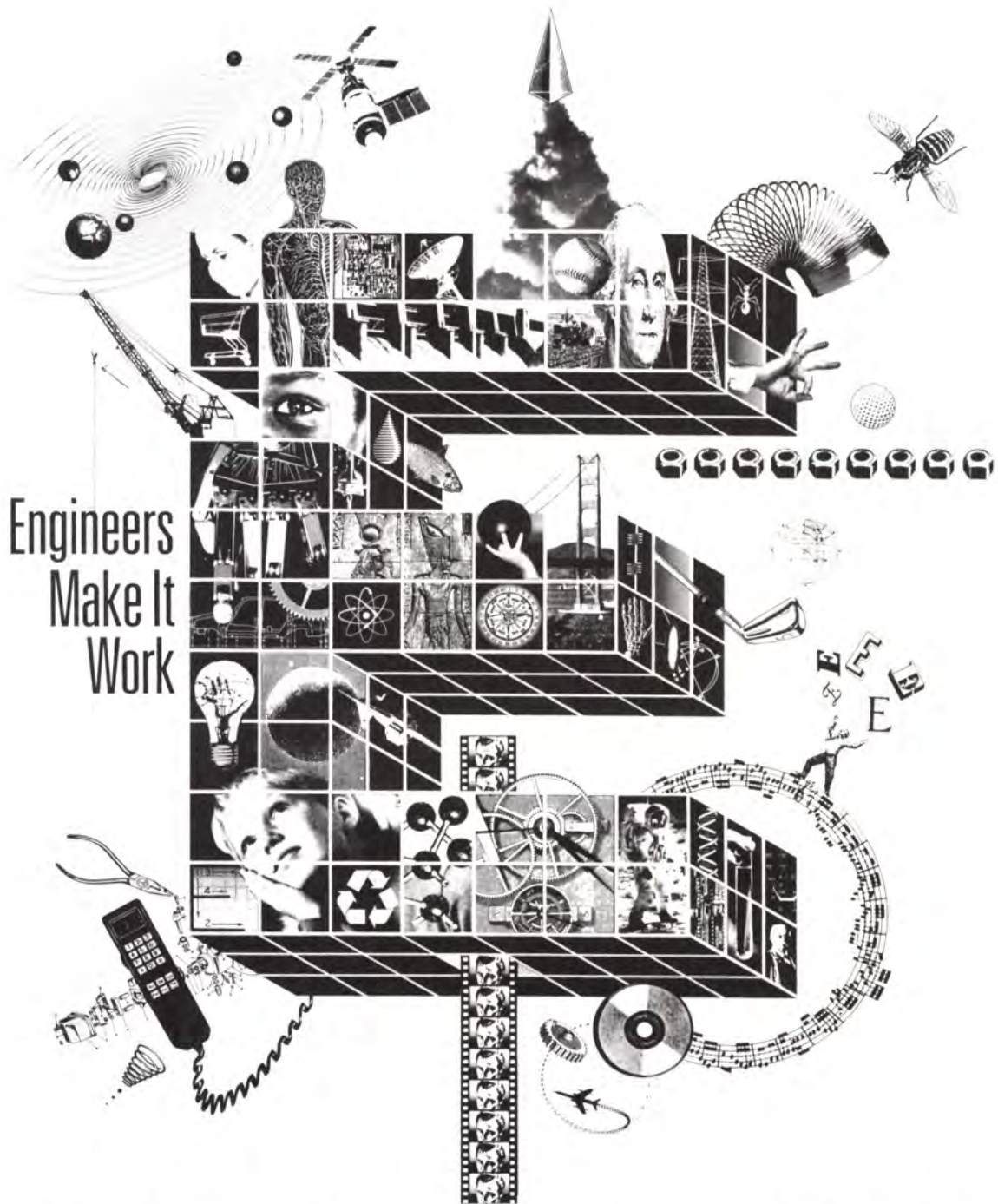
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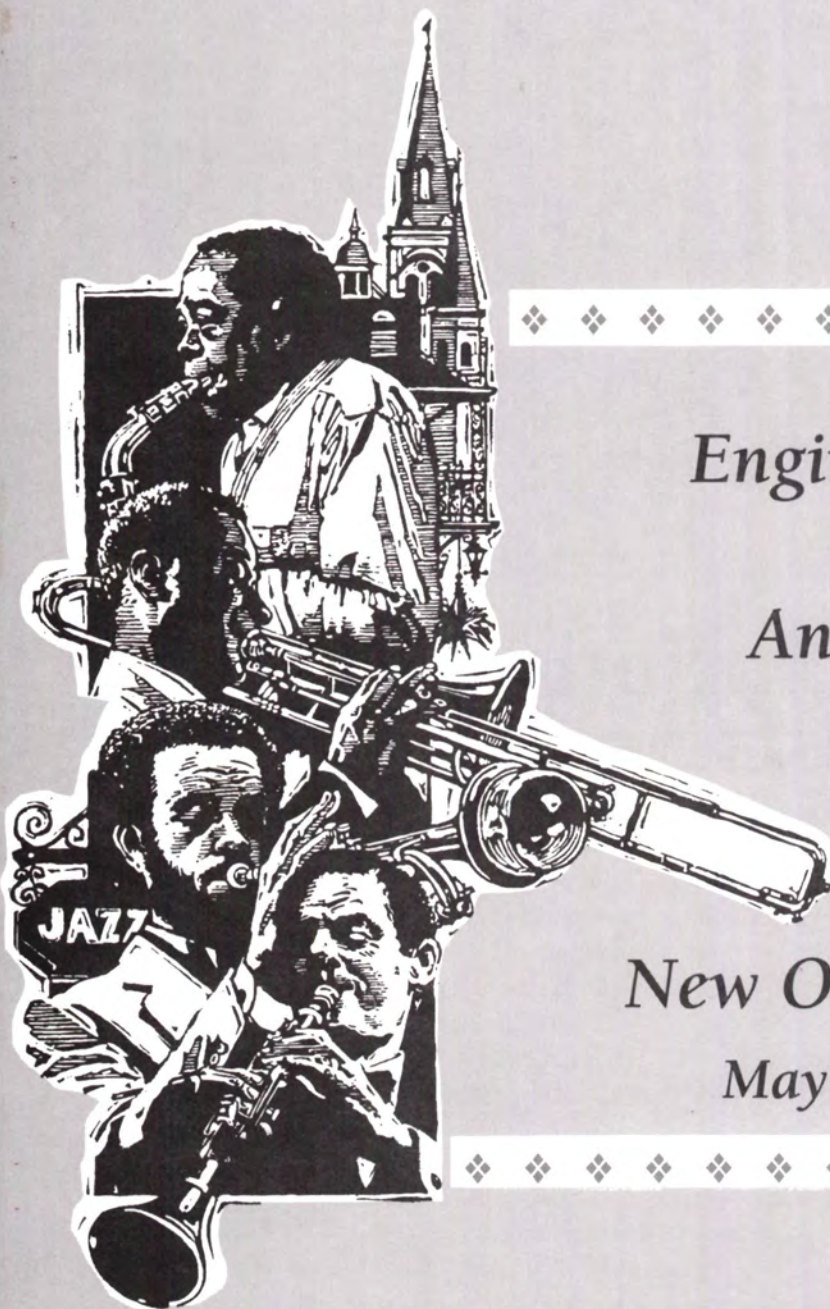
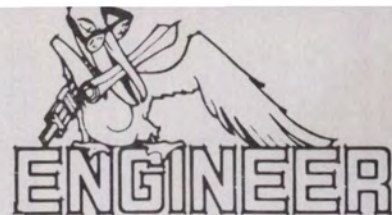


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Inside This Issue . . .

- ❖ LES 98th Annual Meeting Registration — see page 12 and 13
- ❖ Ballot — Engineers Selection Board — see page 8
- ❖ The Spec Sheet — see page 14



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Hopefully when you get this issue of the Louisiana Engineer you will have survived the annual tax filing season. Our state special legislative session and the national election debates have all touched on an unusual combination of tax, ethics and campaign financing reform. So what does this have to do with professional engineers? Consider the following:

Taxes are needed to run government. Some PE's are employed by government while many others are dependent on government contracts, grants and funding for their livelihood. Those remaining PE's not directly tied to government are greatly affected by government regulations.

Elections require substantial funds to publicize a candidate. Contributions are actively sought and received. Human nature dictates that a supporter or "friend" will have a more direct communication link to a candidate than a non-participant.

Elected officials control government. They can tax us, make or not make reforms, can change regulations, hire and set terms of employment for civil servants including engineers, and can delegate government contracts and grants.

PE's in industry, private practice and construction or their employers are often sought as prime sources of contributions by candidates. Recent newspaper published campaign disclosures for Louisiana state and parish elections attest that

engineers are at the top of the list. Unfortunately, there is usually a direct proportion from the amount contributed to the amount of favors or future contracts that can be expected. This can lead to over zealous actions by both contributors and those seeking contributions which often conflicts with ethical standards.

While our PE's outside of government are paying taxes to run government and contributing to elections, many of our PE's in government and education are restricted in their activities. These PE's are often not allowed to participate in the political process since their own position as well as that of their university, school or department could be damaged if there was disagreement with an elected officials position.

Many of our PE's in government are also not allowed to participate in professional or technical society activities unless it is on their own time or at their own expense. This is despite the fact that beneficial activities related directly to one's job can make for a better employee who in turn can improve a business, particularly government.

As PE's we should be leaders in seeking quality government, financed by reasonable taxes, led by competent and ethical officials that have access to the best solutions for mankind's needs that professional engineers can provide. Reforms are needed for the protection and betterment of the public. They will help all of us. LE

Design Professionals Day Gathers Support

The Louisiana Engineering Society, the Louisiana Chapter of the American Society of Landscape Architects, and the Louisiana Society of Professional Surveyors have each committed to support and participate in Design Professionals Day, the brainchild of Consulting Engineers Council of Louisiana.

The day-long event will take place on Tuesday, May 21, 1996, and it is designed to allow members of all organizations to meet with their legislators during the Regular Session. Speaker of the House, Hunt

Downer will address the groups that morning presenting an overview of legislative activities, the process and the importance of solon-constituent contacts. Senate President Randy Ewing will talk to the groups before the start of the afternoon legislative session. The event will conclude with an informal soiree in the Courtyard of the Pentagon Annex for the legislators and their spouses or dates hosted by the participating organizations. The festivity will feature a delicious buffet, open bar, and a band providing music for the evening.

The purpose of the entire event is to demonstrate a show of strength and unity among the various groups in the design professional community to the legislators and to inform them of some of the concerns of that community.

.....
Through this announcement, all members are invited and encouraged to attend Design Professional Day on May 21, 1996. For further information, please contact Warren Wilder at (504) 387-0843 LE

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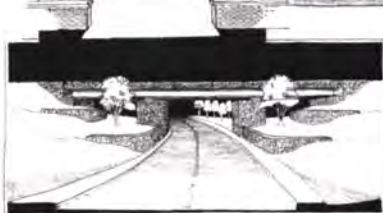
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We're looking forward to the remainder of 1996, and would like to share some of our recently completed and upcoming projects with the Baton Rouge business community. The project list for this year includes a mix of new facility and infrastructure design, as well as a representative portion of additions and renovations. With this in mind, we have compiled a sampling of work that illustrates the versatility of our firm.

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Calendar of Events

We invite all technical and professional organizations to submit their meeting dates for publication in the *Louisiana Engineer* to: Editor, P. O. Box 2683, Baton Rouge, LA 70821.

April 1996

- 4 Lafayette Chapter Board Meeting
- 7 Easter Sunday
- 9 New Orleans Chapter Meeting
- 17 Lafayette Chapter Meeting - Election of Officers
- 19 Alexandria Chapter Crawfish Boil
- 26 Lafayette Chapter Board Meeting

May 1996

- 1 Executive Board Meeting - State Office
- 2 New Orleans Chapter Board Meeting
- 9-12 National MATHCOUNTS Competition
Washington, D. C.
- 10 Lafayette Chapter Meeting - Annual Crawfish Boil
- 15 Alexandria Chapter Meeting
- 15 Deadline for copy, LE Magazine, June issue
- 21 Design Professionals Day
Pentagon Annex - Baton Rouge, LA
- 30-31 LES 98th Annual Meeting & Installation Banquet
Radisson Inn, Kenner, LA

June 1996

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PRESIDENTS MESSAGE

The current state legislature includes many incoming freshmen elected to their first terms only last fall. The group is distinguished by the fact that they include the lowest percentage of lawyers in recent memory. If ever a chance existed for reform in the State of Louisiana, that chance exists now. The Louisiana Engineering Society can capitalize on this historic opportunity at the **Design Professional Day** (Legislators Day) scheduled for Tuesday, May 21 in Baton Rouge. If you do nothing else in 1996 to better your profession and your state, help LES make **Design Professionals Day** a success by attending and requesting that your representatives attend. Look for details of activities in this issue of *Louisiana Engineer*.

NSPE Seeks New Products Awards

NSPE is seeking entries for the best new products of 1997. Any new product, machine, process, or material developed in the United States and placed on the market between July 1, 1992 and July 1, 1995, is eligible. The entries are judged on added employment, annual sales, innovative use of engineering principles, and how the product strengthens the nation's competitive position internationally and contributes to the public's standard of living.

New Product Award program is sponsored by NSPE's Professional Engineers in Industry. The deadline for entries is July 1, 1996, and all entries must be submitted through an NSPE-affiliated state society. To obtain a nomination form, contact NSPE Customer Service at (703) 684-4811 and ask for publication number 3043.

Council of Deans Meeting

The Council of Engineering Deans and the LES Executive Committee met in Baton Rouge on March 20, 1996 to continue dialogue on items of common interest. The Deans and other representatives from all seven engineering colleges in Louisiana attended and shared their views on the state of engineering education with LES. Several issues were discussed in depth and a plan to address these issues was framed. The benefits of cooperation between the Dean's Council and LES were reinforced. The Council and the Executive Committee will work on these issues and meet again during May to monitor progress and continue dialogue. If you have any engineering education related issues that you believe these groups should address, contact the LES State Office and offer your suggestions.

Those in attendance representing the Council of Deans include; Dean Edward McLaughlin, Ph.D., P.E. from Louisiana State University, Dean Barry Benedict, Ph.D., P.E. from Louisiana Tech University, Dr. Bobby E. Price, Ph.D., P.E. from Louisiana Tech University, Dean Carroll Karkalitis, P.E. from McNeese University, Dr. Trent Montgomery, P.E. from Southern University, Dean William Van Buskirk, Ph.D., P.E. from Tulane University, Dean John Crisp, Ph.D., P.E. from University of New Orleans, Dean Tony Ponter, Ph.D., from University of Southwestern Louisiana, Dr. Kam Movassaghi, P.E., also from the University of Southwestern Louisiana. In attendance representing LES were: Carl Jakob, P.E., President, Bob Brossette, P.E., First Vice President, Ron Rodi, P.E., Second Vice President, John Plaisance, P.E., Secretary-Treasurer, Dale Hunn, P.E., Past President, and Brenda Gajan, Executive Director.

**REMEMBER, this is LES voting season.
Send in your ballots by April 19.**

Alexandria Chapter

Tony DeMarco, P.E.

February is historically an active month for LES and 1996 was certainly no exception. Our MATHCOUNTS team chaired by **Eric Duck, P.E.** hosted a record 17 schools including over 100 Mathletes. Many thanks to our dedicated MATHCOUNTS committee for once again producing a competition which is a shining example of cooperation and team effort. The **Engineer-for-a-Day** program was administered by **Ralph Scott, P.E.**, of Farmland Industries. The program brought 14 area students who have expressed an interest in engineering into the offices of local industries and consultants for a brief overview of our profession. The **Discover "E"** program led by **Lisa Smith, P.E.** planned sessions at 14 local high schools introducing 3,000 students to engineering.

The culmination of our combined efforts occurred at the February **Engineers Week Banquet**. Under the direction of our incoming 1st Vice President, **M.L. Virden, P.E.** The banquet was held jointly with the Alexandria Post of the Society of American Military Engineers and the Alexandria Chapter of CEC/L. Among the honorees were 3 outstanding engineering students from the central Louisiana region. Each of the students was the recipient of a \$1,000 scholarship from the engineering community.

The March general membership meeting will feature Arthur Williams of the Louisiana Department of Wildlife and Fisheries. Mr. Williams is the Program Manager for the construction of a \$14,000,000 fish hatchery at Woodworth.

Baton Rouge Chapter

David L. Miller, P.E.

The Engineer's Week Banquet is now behind us and the 1995 - 1996 service year is quickly winding down. We only have three more chapter meetings scheduled for this year, the March joint meeting with ASCE with the Secretary of the Department of Transportation and Development, the April joint meeting with ASCE with the Mayor-President of East Baton Rouge, and the Annual Picnic and Crawfish Boil.

While the year may be winding down, there are several matters remaining to be taken care of. One item is nomination of Officers and Directors for the Baton Rouge Chapter. In spite of what some may think the nomination process is not intended to be a closed process. Anyone is more than welcome to make recommendations and suggestions. If you would like to make a recommendation or a nomination, please call me or drop me a note. Quite often the nomination winds up going to the person willing to accept the responsibility!

Once you accept a nomination as Vice President you are in the traditional "rotation" in that you are the Second Vice President one year, the First Vice President (and President Elect) the next year, then the President the following year. In other words, accepting the nomination for Second Vice President starts a three year commitment. This on top of typically having served as a Director for two years and MATHCOUNTS Coordinator for one year.

The other Officer of the Chapter is the Secretary-Treasurer. This is a two year position. One requirement is to take and distribute minutes of all Board meetings and Chapter meetings. The other requirement is to maintain the Chapter financial books.

There are two Directors positions in the Chapter, each with a two year term. The terms are staggered so that we elect a new Director each year. The primary job during the second year of a Director's term is to coordinate the MathCounts competition. During the first year of a Director's term he assists with MATHCOUNTS.

With the size of the job in mind, we are now seeking nominations for First Vice President (and President Elect), Second Vice President, Secretary-Treasurer, and a Director. If you know of someone willing to assume these responsibilities please let me know and I will contact them.

We need Officers, Directors, and Committee Chairmen (Chairs for those politically correct among you) willing to shoulder the burden for the good of the profession. (Boy, is that well worn or what?)

Lafayette Chapter

Dale LeBlanc, P.E.

February was a busy month for the Lafayette Chapter. The MATHCOUNTS Lafayette Chapter competition was held on February 3. Approximately 60 students from 11 schools braved the ice and cold weather to participate in the event. On February 22, the chapter held the annual Engineers Week banquet, joint meeting with technical societies (ASCE and IEEE), and MATHCOUNTS awards banquet. Approximately 70 people attended the meeting. Mel "Skip" Didier Jr. gave an excellent speech encouraging the mathletes to become "Champs". Thanks to First Vice-President **George Comeaux, P.E.** for an excellent job on planning the banquet.

On March 13, the March meeting included a presentation by Mr. Barry Berthelot on the status of the Lafayette City/Parish consolidation. Mr. Berthelot gave an informative talk on the planning underway for the new form of government for City of Lafayette/Lafayette Parish to take effect on June 3, 1996.

On March 15 and 16, the Lafayette Chapter hosted the MATHCOUNTS state competition.

Twenty six (26) teams from all eight LES Chapters competed in the event at the Hotel Acadiana. The Lafayette Chapter provided

participants with a crawfish boil and fish fry in Girard Park on Friday afternoon. Thanks to chef **Warren Boudreaux, P.E.** for organizing the crawfish boil and fish fry, and to a great group of 25 volunteers that made the event such a success. The Friday event was sponsored by the Louisiana Engineering Society/MATHCOUNTS, the Lake Charles LES Chapter, and the Lafayette LES Chapter. Thanks to **Chris Richard, P.E.** and **Scotty Baudoin, P.E.** for their coordination of the MATHCOUNTS chapter and state competition. The Lafayette LES Student Chapter held Engineering Day at USL in conjunction with the MATHCOUNTS competition. The theme for this year's presentation was Engineers: Turning Ideas into Reality. There were projects and displays in every engineering department. Many of the MATHCOUNTS participants attended Engineering Day and viewed the exhibits. The Lafayette Chapter would like to thank members of ASCE and IEEE, representatives of all eight LES Chapters and the state office, and the Lafayette LES Student Chapter members for their help with the state competition.

Upcoming events for the Chapter include the election of officers for the 96-97 term in April, and the spring crawfish boil with ASCE and IEEE in May.

Lake Charles Chapter

Melissa Jensen, P.E.

February was a busy month for LES with Engineers Week Activities and the Regional MATHCOUNTS Competition. Many people worked together to make these events successful, but there are three (3) special individuals that made it all work. It has been through their dedicated efforts and leadership capabilities that the Lake Charles Chapter continues to grow and flourish as a professional organization. Outstanding members of this Chapter are: Dan Jacobsen, E.I.T., Angela Jones, E.I.T., and Liz Miller, E.I.T. Many thanks to Jake, Angela, and Liz.

Engineers Week Banquet - Wow!!!! What a turnout!!!! A total of 171 engineers, students, professors, and spouses came out to celebrate the profession of engineering at our annual Engineers Week Banquet held at the Lake Charles Country Club. Mr. Murphy Foster, III was our guest speaker.

MATHCOUNTS - Icy conditions was the cause for the one week delay of our 13th annual Southwest Regional MATHCOUNTS Competition. Approximately 120 students representing 20 schools met on February 10, 1996 at the Our Lady Queen of Heaven Family Life Center for a fun-filled day of math. MATHCOUNTS was funded this year through generous donations from sponsors. We appreciate their continued commitment to math excellence in southwest Louisiana.

★ BALLOT ★

Ballot to Elect LES Members to Engineers Selection Board

Act 721 passed in the 1975 Legislature amended Chapter 10 to Title 38 of the Louisiana Revised Statutes of 1950 by adding thereto a new Part VII, Selection of Professional Services for Public Contracts. Three Boards - Architect, Engineer and Landscape Architect Selection - are authorized under this Act. Each board selects persons or firms to perform certain professional services for public contracts.

The Act refers to the Louisiana Engineering Society, specifying the following: The Louisiana Engineers Selection Board shall be composed of six members. Two members shall be named in an election conducted by the Louisiana Engineering Society at which all properly licensed engineers residing in the State of Louisiana may vote for positions to be filled. LES has two positions to fill this year, one term ending June 30, 1997, and one ending December 31, 1997.

The LES Nominating Committee nominates Christopher P. Knotts, P.E., Baton Rouge, for the June 30 position and Richard L. Savoie, P.E., Baton Rouge, for the December 31 position.

Each Louisiana Registered Professional Engineer working and living in the state is eligible and urged to vote.

Space on the ballot is provided for write-in candidates. A write-in candidate must be a LA Registered Professional Engineer and must have agreed to serve if elected. No member or firm of which a member is an associate, employee, or stockholder shall be eligible to receive agency contracts during the term of his service, and for a period of six months thereafter.

LES Engineers Selection Board BALLOT

1. Mark and return to LES, P. O. Box 2683, Baton Rouge, LA, 70821, by May 30, 1996. Late ballots will not be accepted.
2. Make sure your name and address is on the envelope that forwards the ballot to LES. Ballot signature is not required.

Vote for One Candidate in Each Position

POSITION ONE (Term July 1, 1996 - June 30, 1997)

☐ Christopher P. Knotts, P.E., Baton Rouge, LA

☐ For write-in candidate

POSITION TWO (Term January 1, 1997 - December 31, 1997)

☐ Richard L. Savoie, P.E., Baton Rouge, LA

☐ For write-in candidate

The deadline for applicants to submit applications to the Chapter Scholarship Chairman has been set at **April 30, 1996**. The state scholarship selection committee meeting will be held in May to select the LES and the NSPE award recipients. Please call Keith Warden at (318) 484-7400 for further information.

The Engineer

Doctors can cure what ails you
Lawyers can sue when all else fails you
But when you pour a drink of water - pure and clear
Say thank you to an engineer

For a machine to filter your blood
For the taming of a raging river - so it won't flood
For a bridge to get you there from here
Say thank you to an engineer

For planes, trains and motor cars
For space ships that have gone to the moon and Mars
And all the highways that shrink our hemisphere
Say thank you to an engineer

We cook your meals, turn factory wheels, we heat your coffee pot
Thus was the song sung by Reddy Kilowatt
And for oil and gas that keeps everything in gear
Say thank you to an engineer

So whenever there's a problem to be solved
Be assured an engineer will be involved
And for all the advancements and conveniences - we hold so dear
Just say thank you to an engineer

Betty Davies
Oklahoma Professional Engineer

*Congratulations to
Paul Landry, P.E., P.L.S.
on his retirement as
Executive Secretary of the
Louisiana State Board of Registration for
Professional Engineers
and Land Surveyors.*

*The State Board has selected
Glenn Kent, P.L.S.,
to succeed Paul and we look forward
to working with him.*



SimCity participants Carlos Stewart, Jason Mellad and Bradley King sit with their winning project at the regional competition in Baton Rouge.

Legislative Report

by John K. "Jack" Laws, Jr., P.E., P.L.S.

On March 24, 1996 the State Legislature will convene in Special Session and then on April 29, 1996 they will convene in Regular Session (45 days). Almost a third of each house (13 Senators and 39 Representatives) are newly elected freshmen that have promised to do great things for our State. Of the two thirds that are returnees about one half (or one-third the total) could be considered reformers. The final third could probably be considered as loyalists to the old way of doing things.

Remembering back to my sixth grade math, I seem to remember that one-third plus one-third equals two-thirds. This would seem to bode well for the reform minded majority. Wrong. Many of the freshmen reformers will be working hard to keep their campaign promises. Unfortunately they all ran in different districts and each has a slightly different agenda. This, combined with their unfamiliarity with the "rules of the road", will cause them to quickly look for allies.

One would think that these new freshmen would naturally align with the veteran reformers. Think again. This is politics. The veteran loyalists have returned because they are masters at manipulation. They will suck in more bright eyed freshmen than one would hope. Once sucked in it will be hard to "get out the trap". I predict that for many issues both sides will have to fight very hard to obtain each victory and that alliances will be like waves in the surf - a new one on each vote.

Now that I've explained it in Socrates' terminology I will translate it into engineering terminology.

30 Sen. = 100% 105 Rep. = 100%

20 Sen. + 63 Rep.

39 Sen. 105 Rep. = 1 majority

or (for certain issues)

26 Sen. + 70 Rep. = 1 Super Majority

39 Sen. 105 Rep.

The bottom line is this. With a Governor promising to give the people what they want, this group will be more open to influence by their constituents than any previous legislature in my adult life. This is where you come in.

To be successful in our legislative efforts the L.E.S. has always counted on the personal contact between our members and their legislators. If you don't already know your Representative and your Senator then take a few minutes to call or write to them today. Do it even if you already know them. Let them know that you are one of

SimCity Classic Competition Winners

Three students from McKinley Middle Magnet School in Baton Rouge won third place in a national competition in Washington, D.C. for their model city, which they designed with the help of a computer program and their teacher, Coral Kelso.

Sixteen other Louisiana schools competed in the state competition, which took place at LSU in January. After winning first place, Bradley King, Jason Mellad, and Carlos Stewart each received a \$500 savings bond. They went on to the national competition in Washington, D.C. where representatives from ten states competed and the McKinley team gained a 3rd place victory in the nation.

After going to college, King plans to become an engineer, and stated that his father, who is an engineer, has influenced him. King says he likes building things. Stewart stated he likes math and science and would also like to become an engineer. Mellad stated that it was fun because he liked the game and he got to learn new things. For the team members this project has proven to be educational as well as fun! *LE*

their constituents, that you are an engineer and that you will be glad to answer any questions relating to engineering matters whenever he/she calls. Also let them know that you will be calling on them from time to time to support various issues. Always introduce yourself to your legislator whenever he/she appears at a function that you attend.

To this end we have committed to join with CEC/L to host a reception for your legislators on May 21, 1996. For this to be a successful event it is extremely important that each of you personally contact your Senator and your Representative and personally invite him/her to attend. It is also important that our own members attend. So pick up that phone and tell your Senator and your Representative that you will see him/her at the reception.

You will shortly be receiving a flyer with a few more details such as time and place, but don't wait. Call your legislators now so that you each have May 21st listed on your calendar.

LES/AGC Partnering Agreement

This past fall, LES and Louisiana Associated General Contractors signed a partnering agreement to foster development of solutions to areas of common concern. Not content to merely have a colorfully worded document, a task group was created and is meeting regularly to actively pursue mutual items affecting our professions. Anyone with an issue that pertains to both engineering and construction should contact the state office and is welcome to participate in the discussions.



LES and AGC task group - standing: Carl Jakob, Harold LeRay, Kirt Clement, and Bill Monroe. Seated: Brenda Gajan and Ken Naquin.

Restructuring of LES Standing Committees

The LES Executive Committee has proposed a change to LES Bylaw 12 - Committees. The present Bylaw 12 requires the Society to have specific Standing Committees with members from each chapter appointed by the chapter presidents.

The committee structure has not functioned well in most cases due to several reasons including; a lack of participation of chapter appointees, failure to receive appointees from each chapter, continuity of committee members from year to year, and committee assignments that are too broad to be effectively dealt with. On the other hand, task groups and ad hoc committees with specific purposes and time limitations have worked well.

It is proposed that the bylaw be modified to waive the requirement that there be a person appointed from each chapter to each standing committee. The change would allow the appointment of individuals with a desire, commitment and time to serve on the standing committees. This would allow the standing committees to better function as task groups by being composed of members willing to serve. Members could be appointed for more than one year thereby providing continuity necessary for the completion of tasks. Each chapter president sits on the LES Board of Direction. Thus, if any chapter felt strongly that they needed a member from their chapter on a committee, their chapter president (who under the present system appoints a member to a committee) could easily do so. The proposed change merely removes the requirement that each committee has someone from each chapter.

The following represents two different views concerning the proposed change. At the last Board of Direction meeting, chapter presidents were asked to poll their members for their opinion on this issue as a vote will be taken at a Board Meeting scheduled in May.

POINT - Robert A. Brossette, P.E. and Ronald J. Rodi, P.E.

"If it ain't broke, don't fix it." This philosophy has long been embraced as the traditional method of operating systems and businesses worldwide. It was an established way of conducting business, and improvements were made slowly and deliberately. No one wanted to "upset the

cart," or "rock the boat." Business continued operating in the status quo, until profit margins began evaporating, and worldwide competition broadened and changed forever the way business is conducted. The business processes that had been carefully developed and nurtured in the past were now aiding the demise of many corporations. They were unable to change how they were doing business, and as a result were victims to mergers, acquisitions, and bankruptcy. Time to market with new products has been improved while product life expectancy has been drastically reduced. Change. It's inevitable, it's constant, and it cannot be predicted. The only thing that is certain is that change will occur. The magnitude, swiftness, and breadth of change is related to the risk of doing nothing at all. Sometimes change can be managed, sometimes it can't.

Because of the changing business environment, employees have also changed. The downsizing of businesses, constant reorganizations, mergers and acquisitions, dwindling profit margins, greater shareholder expectations, greater regulations, etc., have resulted in fewer employees expected to produce more. The stress of this environment has resulted in many employees allocating more of their personal time to their job in an effort to provide the results expected. With precious little time for family, many professionals are refusing to "commit" their valuable personal time to volunteer organizations. And if a long-term commitment is requested, it better enables the individual to garner some direct tangible benefits, or potential career advancement. The days of altruism may be over!

LES, as every other professional organization, has encountered this dwindling resource of volunteers. Consequently, the LES committee structure may need reengineering. The annual requirement to re-staff our standing committees is causing a conundrum to Chapter Presidents. The structure of standing committees reminds one of the hierarchical organizations of yesteryear where each vertical "chimney" did its own thing without interaction with the other "chimneys." This was inefficient in business, and has since long been replaced with more cross-functional work teams and streamlined, horizontal organizations. Using small teams to work on issues, problems, concerns, opportunities, etc., seems the method of choice in today's world.

Especially in the volunteer organization where people's unwillingness to make commitments causes potential volunteers to "self-select" from any commitment whatsoever. Maybe, just maybe, an individual may be more receptive to committing to perform a well defined task, with an "end-product," over a set time frame.

While it is agreed that the strength of the organization lies at the chapter level, many chapters may be slowly hemorrhaging because of inadequate resources and may, if no changes are made, slowly pass away. This modification in resource allocation would help a chapter become stronger by utilizing its resources more effectively and allowing work on projects that are chapter specific, and at the same time would ensure that the important state-coordinated projects (scholarship, legislative, MATH-COUNTS, etc.) are properly staffed. It is envisioned that chapters could select which committee(s) its members wish to participate in during the year and be certain that representation is included.

As someone once said, "It's but little good you'll do, watering last year's crops."

COUNTERPOINT - Charles L. Eustis, P.E. and Dale T. Hunn, P.E.

The visionaries who founded the Louisiana Engineering Society ninety-eight years ago could not have imagined that the future leaders of the Society would have any difficulty enlisting the support of their peers to advance the goals of the profession. In 1898, LES, a newly formed professional organization of twenty-nine engineer members, had only a few common goals. They were to pool resources to enable engineers to avail themselves of expensive technical publications and to have a law passed to regulate the practice of engineering to enhance public safety.

The Society has evolved and its members have broadened their areas of professional activity, interest and involvement. To address these changes and to accomplish defined goals, standing state committees were created. As the number of chapters in the Society grew, the size of the standing committees also grew. Each chapter president was asked to assign to each standing state committee a chapter chairman and a chapter vice chairman. With the large number of active chapter members staffing these state committees, the Society

accomplished many goals and membership and the organization swelled from the original twenty-nine visionaries to over 3,500 during the early 1980's. The process of appointing state standing committee members had been proven effective!

When the LES Constitution and Bylaws (C&B) Committee was in the process of drafting the new documents, which were approved by the general membership and adopted unanimously by the Board of Direction in 1994, consideration was given to the number of standing committees, the goals of these committees, and the process of appointing the committee members. The C&B Committee believed then and still believes today that the effectiveness (or lack thereof) of some of the standing committees is not just a result of the appointment process, but also of the commitment of those who accept appointments to the committees. It is the responsibility of the committee chairman to set goals and to develop plans to achieve those goals. The goals should be reviewed by the Board of Direc-

tion to ensure that the committee's goals are consistent with the Society's policies.

LES is not a business seeking to maximize profits by down-sizing staff, reducing services or bringing new products to market. The business arguments offered in the POINT article simply do not apply to a volunteer organization like ours. LES is a professional organization of like-minded individuals who are seeking the enhancement of the profession in its service to mankind. LES exists to serve engineers.

It must never be forgotten that LES is an organization of members. We must not lose sight of the grass-roots strength of LES. Turning the committees inward, by looking to the Board of Direction for committee appointments, as proposed in the Bylaw change is wrong! It will be perceived that a wall is being erected between the Society leadership and the general membership. The Society will be strengthened by the Board encouraging grass-roots participation by opposing the proposed Bylaw change. LE

SET THE DATE: November 7 & 8, 1996

**LES Joint Meeting with
AEE, SWE, AICHE, IEEE,
ASME, ASCE, SPE**

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Exhibitors • Banquet**

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Kenner, LA**

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Louisiana Engineering Society - 98th Annual Meeting

May 30 - June 1, 1996

Registration fee includes admittance into all seminars, Thursday Dinner meeting, and Friday Luncheon. All participants of this one day program will receive 6 hours of Continuing Education Credits. For those registered in other states, attendance may be credited towards CPC/CPD requirements. Please call for further information.

Registrant's Name: _____

Chapter: _____ SS# _____

Street Address: _____

City: _____ State: _____ Zip: _____

Telephone: () _____ FAX () _____

Spouse/Guest Name: _____

IMPORTANT: complete this registration form and return to LES with payment by the registration deadline of May 24, 1996 to receive pre-registration discount. Registration fees are required for all attendees.

PLEASE NOTE: REFUNDS WILL BE MADE ONLY IF CANCELLATION IS RECEIVED BY MAY 24, 1996

REGISTRATION FEES	NO.	COST	TOTAL	THURSDAY EVENING DINNER MEETING	NO.	COST	TOTAL
Member Registration	_____	\$40.00	_____		_____	N/C	_____
Reg. after 5/24/96	_____	\$50.00	_____	FRIDAY LUNCHEON	_____	N/C	_____
Spouses	_____	N/C	_____	INSTALLATION BANQUET* (Stuffed Double Pork Chop)	_____	\$25.00	_____
Students	_____	\$10.00	_____	* _____ Please indicate if Heart Healthy Meal is desired. (Herb Roasted Chicken Breast)			
Non-member Registration	_____	\$60.00	_____	TOTAL FEES REMITTED:	\$	_____	

_____ My check is enclosed made payable to LES or bill my: _____ VISA _____ Master Card

Signature: _____ Account #: _____ Exp. Date: _____

Please complete and mail or fax this form by May 24, 1996 to: Louisiana Engineering Society • P. O. Box 2683, Baton Rouge, LA 70821
Phone: (504) 344-4318 FAX (504) 344-4319

Hotel Accomodations

Radisson Inn New Orleans Airport - 2150 Veterans Blvd. - Kenner, LA 70062

For reservations call: (504) 467-3111

Special Room Rate of \$79.00 for single or double occupancy. Must state "LES Meeting" to get rate!

REGISTER EARLY! Hotel reservations must be made by **May 16, 1996.**

1996 Annual Meeting Agenda

Thursday, May 30, 1996

5:00 p.m. - till

Chapter Presidents & Board of Direction Dinner Meeting

All members are invited to enjoy a relaxed atmosphere at Messina's Restaurant (22717 Williams Blvd., Kenner) with outgoing & incoming chapter presidents and members of the Board of Direction as they meet to compare activities of the past year. This event will be hosted by the New Orleans Chapter!

Friday, May 31, 1996

7:30 a.m. - 12:00 noon

Registration

8:00 a.m. - 10:00 a.m.

Committee Meetings

Membership

Inter-Society Relations

Long Range Planning

Young Engineers

Public Relations

Executive Committee/State Board of Registration

Legislative

Scholarship

10:00 a.m. - 10:45 a.m.

Leadership Skill Seminar - The Business of Paradigms by Joel Barker

10:45 a.m. - 11:00 a.m.

Break

11:00 a.m. - 12:00 a.m.

Personality Profile Seminar by Nancy Burris, Management Consultant for MindShare Associates will discuss the 16 basic personality types, help you identify what type you are and provide insights on more effective communication with people of different types - at work and at home.

12:00 noon - 1:45 p.m.

Lunch and General Membership Meeting (includes LEAP presentation by Dean Crisp & Proposed Education/Licensure Model Law presentation by Bobby Price.) Everyone is encouraged to attend.

1:45 p.m. - 2:00 p.m.

Break

2:00 p.m. - 3:15 p.m.

Catch the Wave of the Internet Seminar, by Vanessa Wilburn with Computerized Processes Unlimited, Inc.. A multi-media presentation that will focus on how to use Internet resources in every day business.

Topics covered will include the following: Electronic mail, The Internet and World Wide Web, and Getting connected.

2:00 p.m. - 3:30 p.m.

Council of Deans Meeting

2:00 p.m. - 4:00 p.m.

Louisiana Engineering Foundation Board of Direction Meeting

3:15 p.m. - 3:30 p.m.

Break

3:30 p.m. - 5:00 p.m.

Practice Division Meetings

Professional Engineers in Construction

Professional Engineers in Education

Professional Engineers in Government

Professional Engineers in Industry

Professional Engineers in Private Practice

6:00 p.m. - 6:30 p.m.

Past Presidents Gathering - All state and chapter past presidents of LES are encouraged to attend this informal "meeting of the minds".

6:30 p.m. - 7:00 p.m.

Cocktails (cash bar) and Publicity Pictures

7:00 p.m. - till

Banquet and Installation of New Officers - Clyde Tipton, P.E., NSPE President will be with us to install the 1996/97 Officers. Everyone is invited.

Saturday, June 1, 1996

8:00 a.m. - 10:00 a.m.

Louisiana Engineering Society Board of Direction Meeting



THE SPEC SHEET

WARREN J. WILDER • CEC/L EXECUTIVE DIRECTOR
CONSULTING ENGINEERS SECTION

Don't Forget to Vote

In the February issue of this magazine, there is a ballot to elect two consulting engineers to serve one-year terms on the Louisiana Engineers Selection Board.

The selection board is specifically charged with the responsibility of awarding state agency, capital outlay-funded, contracts for design services in connection with projects whose Anticipated Construction Budget is \$200,000 or more.

IF YOU HAVE NOT YET VOTED, PLEASE LOOK UP YOUR FEBRUARY ISSUE, MARK YOUR CHOICES AND MAIL YOUR BALLOT TO THE ADDRESS INDICATED. THE PEOPLE WHO SERVE YOU AND THE STATE OF LOUISIANA ON THIS BOARD ARE THERE BECAUSE OF THE VOTE OF FELLOW ENGINEERS. DO YOUR DUTY AND VOTE!



Council Happenings

❖ The CEC/L Transportation Liaison Committee met recently with representatives of the Louisiana Department of Transportation and Development in a continuing series of Roundtable Sessions which are cited in a Partnering Agreement between the two groups. Agenda items included:

- 1) Prime/Subconsultant Relationships and Responsibilities;
- 2) Review of DOTD Proposed Consultant Evaluation Criteria; and

- 3) Review of DOTD Proposed Procedures for Providing Consultant Input in Resolving Liability Issues.

The new Secretary of the state agency, Frank Denton, attended the important session.

❖ CEC/L recently sponsored a seminar at which several representatives from state and federal agencies spoke to a group of over 40 engineers and firm key personnel. Topics ranged from agency economic forecasts, grant/loan opportunities, to selection procedures for design services contracts. Keynote speaker at the luncheon was James L. Meyer, P.E., president of the Alexandria consulting engineering firm of Meyer, Meyer, LaCroix & Hixson, Inc. He presented slides and remarks on the successful conversion of the closed England Air Force Base into an industrial/business park. The afternoon session was devoted to one-on-one conferences between the agency representatives and individuals who had specific questions or needed additional information. Judging from the numerous favorable comments, the seminar was apparently highly successful.



Fanning to Speak

Financial management wizard, William F. Fanning, Marietta, Georgia, will present a timely

seminar, "Financial Management for Design Firms," at CEC/L's 1996 Annual Meeting, June 28-30, 1996, at the Isle of Capri Resort, Biloxi, Mississippi.

The seminar, slated for Saturday morning, June 29th, will include information on Financial Management Basics - reporting systems, cash management, invoicing and collections, pricing projects and negotiating fees; Financial Analysis - ratios, which ones are important and how to use them; Financial Planning - how to develop a business plan; and Introduction of Accounting Systems.

Fanning is the founder and president of Design Management Consulting, Inc., a financial management consulting firm serving A/E professionals. He is also the director of research for the Professional Services Management Journal (PSMJ) and conducts the annual Design Industry Surveys sponsored by PSMJ on executive management salaries, financial statistics, and design service fee structures. With a background in accounting, he was formerly the chief financial officer for a large planning and design firm.

The CEC/L Annual Meeting promises to be an equitable mix of business, education, and FUN!



United States and Mexican Engineers Commit to Cooperation

Citing mutual interest in continuing their efforts to better serve

the common interests and welfare of their memberships and societies of both countries, Richard G. Weingardt, President of the American Consulting Engineers Council (ACEC), and Felipe Ochoa, President of La Camara Nacional de Empresas de Consultoria de Mexico (CNEC), signed a strengthened and renewed agreement of cooperation between their two organizations in early February in Acaapulco, Mexico.

Among the specific items included in the U.S./Mexican agreement of cooperation are:

- ❖ courtesies in the efforts of firms to establish transborder partnerships
- ❖ cooperation on regional issues
- ❖ reciprocal understandings in the spirit of NAFTA
- ❖ joint participation in one another's meetings, seminars, and other events
- ❖ cooperation between communities and staffs of the two organizations
- ❖ information exchange

The signing culminated two days of joint discussions between the Executive Committees of ACEC and CNEC about the implementation of the North American Free Trade Agreement (NAFTA). "This agreement represents a solid commitment by both American consulting engineers and our Mexican colleagues to partnering in every sense," Weingardt said. "Afterall, it is the professional services industries, especially the engineering and architectural design professions, that will be the cutting

edge of infrastructure improvements and make possible the realization of NAFTA's vision."

The key to the ACEC/CNEC agreement, according to Weingardt and Ochoa, is the commitment to work together on binational and international issues while upholding and advancing the integrity, dignity and business interests of their memberships. For example, Weingardt and Ochoa agree that Qualifications-Based Selection, or QBS, is critical to the ability of consulting engineers to meet client needs in both countries. QBS is a public policy that affirms the importance of competence, not price, as the basis for the selection of engineering services.

"In case after case, the QBS process has resulted in the best quality, usefulness and cost effectiveness in the life cycle of projects," said Weingardt. "It allows owners and taxpayers the opportunity to get the best and most for their construction dollar."

Alliances between small and mid-sized U.S. and Mexican firms was another important issue considered by the two executive committees. More than 80 percent of ACEC's member firms have fewer than 25 employees each, and most Mexican consulting engineering firms also are smaller. "The small and medium-sized firms face a multitude of opportunities, especially as specialized consultants on larger projects," said Weingardt. "By enlarging the North American marketplace, NAFTA also has underscored the tremendous needs for infra-

structure construction and rehabilitation in this part of the world. Engineering firms who partner with one another across borders are better able to respond to these needs."

Minister Leandro Arellano, a Director General from Mexico's Ministry of Foreign Relations, stressed that the services industry, specifically the consulting engineering industry, will facilitate all business and economic development in the Western Hemisphere in the 21st century. He pointed out that commerce cannot exist without sound transportation, proper waste removal or water systems, all key components of the built environment that must be designed by consulting engineers.

For more information, or to speak with a U.S. or Mexican consulting engineer about the impact of this renewed agreement, please contact Bill Murray or Angelo Iasiello at ACEC (202) 347-7474.

The American Consulting Engineers Council (ACEC) is the largest national organization of engineers engaged in the independent practice of consulting engineering. ACEC has more than 5,500 member firms employing nearly 200,000 professional engineers, land surveyors, scientists and technicians who design over \$100 billion in construction projects annually. More than 75 percent of these firms are small businesses with fewer than 25 employees each.

Frivolous Lawsuits Still a Big Fear

The American Consulting Engineers Council's (ACEC) 1995-96 Comprehensive Liability Report shows more and more engineering firms are carrying liability insurance because they fear unfounded lawsuits being filed against them.

In a survey of about 1000 member firms, ACEC found that the number carrying liability insurance increased in all engineering disciplines, except for architectural work, where it slipped from 98 percent to 95 percent (still the highest rate among disciplines).

The 1995-96 report shows the number of cases resolved with no payment to the plaintiff rose to an astounding 49 percent from 41 percent in 1994. "Half of the claims filed against our firms are indeed frivolous," says ACEC General Counsel Mark Casso, "yet these small companies must spend time and money to resolve them."

"Despite state and federal efforts to sway legislation, society's litigious ways remain unchanged," remarked Casso. While the average number of claims rose only slightly, by less than one percent per firm, more claims were filed in the courthouse rather than through negotiation, mediation, or arbitration.

"The good news is that claims have leveled off," says Tom Porterfield, Vice President of liability insurer Victor O. Schinnerer, Inc. "We give a lot of credit to design professionals. They are doing a better job

of jumping on issues before they become problems, and they are taking a much more proactive approach to risk identification and management, and to client-owner education."

Despite the perceived leveling of claims, civil engineers were still hit with the most lawsuits garnering more than a third of all claims filed against engineers. Structural claims were second, and environmental third. Claims against mechanical engineers slid from second to fourth place, declining 4 percent. Tracking a two-year trend, 52 percent of all claims in 1995 were filed by owners. Claims made by contractors and subcontractors decreased from 17 percent to 13 percent.

In 1995 firms reported they had turned down an average of \$113,000 worth of billable work per firm due to the threat of litigation. This number is down from \$176,000 in 1994. Still, according to ACEC President Stan Kawaguchi, "97 percent of the engineers surveyed say the continuing threat of litigation alone stifles innovation in engineering and design." Also the ability to hold down costs, and therefore prices, remained burdensome due to the possibility of lawsuits.

If you would like to interview an engineer who took part, or if you would like a copy of the survey, please contact Bill Murray or Sally Thompson at ACEC (202) 347-7474. LE

Louisiana Engineering Foundation Presents Engineering Faculty Professionalism Awards

The Louisiana Engineering Foundation awards the Engineering Faculty Professionalism Award annually to an engineering faculty member in each Louisiana engineering school with EAC/ABET accredited programs. Each recipient is selected by his/her peers, in that all full-time registered professional engineers in each school make the selection.

The goals of the award are to bring to the attention of the faculty those members who are registered professional engineers at their school; to encourage the faculty to work toward registration and professionalism; and to benefit the students, the public and the promotion of professional ideals.

There were five engineering faculty members selected in 1996. Waldemar S. Nelson, P.E., President of the Foundation, presented the awards at the LES Spring Meeting on March 1, 1996, in Houma, Louisiana. *LE*



Dr. Mohamed Alawady, P.E.

Associate Professor of Civil and Environmental Engineering, Louisiana State University.

Dr. Alawady is a registered professional engineer in Louisiana and a strong supporter of professional engineering registration. Dr. Alawady received the following teaching awards: 1995 Tiger Athletic Foundation Teaching Award; 1994 Student Government Association Faculty Award; 1993 American Society of Civil Engineers Teacher of the Year; 1991 Department of Civil Engineering Teacher of the Year; 1990 American Society of Civil Engineers Outstanding Faculty Member; and the 1989 American Society of Civil Engineers Outstanding Faculty Member.

Dr. Alawady exemplifies the meaning of "professionalism" and serves as an excellent role model for his colleagues in the college.



Dr. Jay Uppot, P.E.

Professor of Civil Engineering, McNeese State University.

As stated by his colleagues, "Dr. Uppot is an outstanding teacher having consistently received high evaluations from his students." He is an active researcher in soils and foundations having been major professor for several graduate students and inventor of an instrument too more easily measure soil permeability. Dr. Uppot also finds time to consult in his specialty and teach summer short courses at the University of Missouri at Rolla where he obtained his Ph.D. in Civil Engineering.

Dr. Uppot is a registered Professional Engineer in Louisiana and serves his professional community well.



Dr. Randall F. Barron, P.E.

Professor of Mechanical Engineering, Louisiana Tech University.

Dr. Barron's accomplishments include: he was appointed by Governor Edwards to serve a 6-year term on the State Board of Registration for Professional Engineers and Land Surveyors; served as national American Society of Mechanical Engineers Professional Development Lecturer from 1988 to present presenting a four-day course on "Cryogenics"; invited to present a one-day lecture/symposium on "Cryogenic Heat Transfer" to the technical staff at the Superconducting Super-Collider in Dallas, Texas; served on the Louisiana Board of Regents Formula Review Committee to review and revise the formula used to determine funding for higher education institutions in Louisiana; and, he is a published author on a number of articles on cryogenics.

Dr. Barron is recipient of a number of awards. To name only a few: the National Pi Tau Sigma Gold Medal Achievement Award in 1968; the Louisiana Tech Alumni Foundation Award in 1979; Engineer and Scientific Council of Shreveport Professional Engineer Achievement Award in 1981; the F.J. Taylor Outstanding Teaching Award in 1990; and the Tech's Distinguished Professor Award in 1990.

Dr. Barron, a registered Professional Engineer in Louisiana, exemplifies professionalism at Tech and in the Ruston professional community.



Dr. Hugh A. Thompson, P.E.

Professor, Mechanical Engineering, Tulane University

Dr. Thompson, a native of Chattanooga, Tennessee, received his academic degrees from Tulane University. He has received a number of honors and awards, recently being appointed the Entergy Professor of Electric Power Engineering at Tulane University.

Although Dr. Thompson has done extensive design and consulting in the areas of vibration and heat transfer in electrical power generation and transmission equipment, we believe that his professionalism is exemplified primarily by his activities as a faculty member of the School of Engineering from 1964 to the present time and as dean during the period of 1976-1991. During this period, Dr. Thompson served as mentor and advisor to members of the faculty. He encouraged and facilitated continuing professional develop.

Dr. Thompson, a registered Professional Engineer in Louisiana, exemplifies a thoroughly professional engineer.



Dr. Robert W. Cline, P.E.

Professor, Electrical and Computer Engineering, University of Southwestern Louisiana.

Dr. Cline has been recognized by his peers in many ways. They include: in 1994 he was appointed Co-chairman of the Governor's Telecommunications Task force; Session Chairman ICC/Supercon, New Orleans, Louisiana, also, in 1994; received IEEE Region 5 Outstanding Engineering Educator Award, 1993; served on University Advisory Council for International Engineering Consortium, 1988-present; awarded the M. Eloi Professorship in Engineering, 1984-1987; developed the first formal telecommunications option in accredited BSEE programs in the nation, 1983; Educational/Professional Activities Chairman, IEEE Region 5 Conference, Lafayette, Louisiana, 1986; elected Senior Member, IEEE, 1980; and USL Distinguished Professor Award. Dr. Cline is an outstanding teacher and exemplifies "professionalism".

SUPPORT YOUR ENGINEERING FOUNDATION

Every engineer, land surveyor, and engineering technician during his or her career, and every organization employing the same, should preserve a substantial sum for the improvement of the profession. The **LOUISIANA ENGINEERING FOUNDATION** is one way by which this can be accomplished.

The **FOUNDATION'S** financial goal is \$150,000. These funds are needed in order to purchase property, construct a building or renovate a building, to be **THE ENGINEERING CENTER OF LOUISIANA**. A "center" for all engineers, land surveyors, and engineering technicians to use as appropriate and to honor the engineering profession in the State of Louisiana.

Please consider making a contribution now. For the future, place a clause in your will that bequeaths assets to the **LOUISIANA ENGINEERING FOUNDATION**. Suggested wordage you may wish to use in a will:

"I will, bequeath, and devise the Louisiana Engineering Foundation, a Louisiana non-profit corporation, for such use as the Foundation shall in its sole discretion determine, to promote the profession of engineering through education scholarships and programs or scientific inquiry or legislative means, the following described property, to wit":

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{Description of movable or immovable property}

{Description of mineral rights}

or

{Description of other property or choses in action}

REPORT ON PROFESSIONAL ENGINEERS IN EDUCATION

Bobby E. Price, Ph.D., P.E., Chairman
LES Professional Engineers in Education
NSPE National Director

The Professional Engineers in Education (PEE) Practice Division is an important entity within both LES and NSPE. PEE has as its objectives to advance the public welfare, promote the professional, social and economic interest of the engineer employed in education, continue encouraging the registration of qualified engineers in education, and encourage the development of a professional and ethical attitude among all engineers in education. Some of the more important current topics being discussed at both the state and national levels follow.

Changes to the Fundamentals of Engineering Exam —

Beginning with the October 1996 offering, the FE exam will change so that results from the exam can be used as a better assessment document by universities to evaluate programs. The exam will have a 4-hour morning session with a possible 120 points and will be very much like the current FE exam in both subject areas and question difficulty. Subjects to be covered include math, physics, chemistry, engineering science, and engineering economy. There will be fewer questions, but still will be short and very specific as to knowledge tested. The 4-hour afternoon session will also have a possible 120 points, but will be discipline specific and will cover "core" topics in the field of study of the person taking the exam. There will be six exams—Chemical, Civil, Electrical, Industrial, Mechanical, and General Engineering. Each has about 12 areas to be tested. The exam is a no-choice exam, as is the current exam.

The discipline specific part will pose a problem for those whose engineering program did not have all of the areas covered in its program curriculum. The Southeast Civil Engineering Department Heads/Chairs recently passed a resolution to be sent through ASCE to NCEES requesting that the grading of the exam be conducted so that the person taking the exam would not be penalized. The LES Professional Engineers in Education Practice Division at its meeting in Houma on March 1 voted to send a similar resolution to the LES Board of Direction requesting that Board to support a similar resolution to NCEES. Stay tuned.

Education/Licensure Model —

NSPE initiated a study to relook the procedures for attaining a professional engineers licensure. Five organizations are involved; namely, NSPE, NCEES, Accreditation Board for Engineering and Technology, American Society for Engineering Education, and the Engineering Deans Council. This group represents all the major players in engineering education and the registration process. This group presented an informational article in the 1995 December issue of NSPE's *Engineering Times*, and had both break-out sessions covering different aspects of the proposed plan and a public hearing on the entire package at the NSPE Leadership Forum/Professional Edge Meeting in Portland, Oregon in January. The basic premise is to provide an easier mechanism to get more engineers licensed, but still safeguard the public welfare. The revised Fundamentals of Engineering exam allows this model to be more palatable. A graduate who passes the FE exam would be called a Professional Engineer, then after passing an exam on codes, standards, and ethics after four years experience the person would be called a Licensed Professional Engineer.

Although some aspects of the plan were questioned, a straw vote of those present in Portland indicated a strong willingness to proceed with the plan. Each of the five organizations will now deter-

mine if their individual membership will buy into the program. Implementation of the plan will probably be a couple years down the road. Stay tuned.

Single Board of Higher Education —

Governor Foster's push for a single board of higher education, coupled with the present study dealing with duplicate engineering programs, will probably have a major impact on engineering education within the state. Some may remember the proposal from a 1986-87 study conducted by a Board of Regent's blue ribbon committee to eliminate all engineering programs at several universities. Will this be an agenda item for the single board? Stay tuned.

Continuing Professional Competency Update —

The Louisiana State Board of Registration for Registered Professional Engineers and Land Surveyors established a task force of representatives from the LSBPELS, LES and the Louisiana Society of Professional Surveyors to study and make recommendations whether or not a mandatory CPD program should be established for licensure renewal. There is a movement across the nation to implement such programs. More and more states are establishing such a requirement. The task force made two recommendations; one that the LSBPELS would not push for such a requirement but would allow either LES or LSPS to request such a requirement be established through the LSBPELS. No legislation is being proposed by LES at this time. Stay tuned.

NSPE Leadership Forum/Professional Edge Program —

This writer cannot over emphasize the importance and benefits to be gained from engineers within the state to participate in the NSPE Leadership Forum and/or Professional Edge Program. The Forum is not just for NSPE/LES leaders. It is a well conceived and well conducted vehicle to develop the leadership skills of any engineer. Some parts of it are directed toward specific persons holding leadership positions, but the knowledge gained is outstanding. Likewise, the Professional Edge Program is composed of seminars to aid engineers to do a better job in whichever practice of engineering they are employed. For those who question the benefits of membership in NSPE should look into all the myriad of programs NSPE is trying to provide. The cost to benefit ratio will sell any engineering project as being worthwhile. Stay tuned.

NSPE Re-engineering —

A NSPE task force has the unenviable job of developing a workable plan to make NSPE leaner and meaner, and provide programs and services indicative of a major engineering organization. Based on a set unified dues of \$78, the task force is proposing a major shift of operation and governance of NSPE. Some aspects of the plan are beneficial; other parts are receiving considerable opposition. Stay tuned.

Participation —

Your participation at both the state and national level is strongly encouraged. For a few pennies a day you can help support the efforts of LES/PEE and NSPE/PEE in planning, developing, conducting and pushing programs that benefit those of us in engineering education. LE

Justice Department Closes Investigation of Design Professions

The U.S. Department of Justice has closed its most recent investigation into whether the architectural profession has violated Federal antitrust laws by attempting to restrict the role of engineers in building design. DOJ had conducted an earlier investigation into the matter in the early 1990's and reopened the investigation after a request from the National Society of Professional Engineers (NSPE).

NSPE's request to the Justice Department was made after numerous attempts failed to stop a systematic campaign by architectural groups to change state licensing laws so as to restrict engineers from their lawful role in building design.

NSPE's efforts to protect engineers' right to practice will continue at the state level.

A recent issue of the American Institute of Architects' newsletter highlighted AIA's top legislative interests for 1996. AIA has specifically targeted legislation dealing with architectural practice or the overlap of architecture and engineering under state licensing laws in Delaware, Arkansas, Maryland, Texas, Minnesota, Pennsylvania, Idaho, and Montana. NSPE will continue its vigorous pursuit of this issue on a state-by-state basis. The decision by the U.S. Justice Department will have no impact whatsoever on any state antitrust investigations or private antitrust actions currently being considered.

"The fact that this second investigation by the Justice Department has been closed in no way indicates that there isn't a concerted effort on the part of the architectural profession to restrict the practice of engineering," said NSPE President Clyde R. Tipton, Jr., P.E. "NSPE is pleased with the Justice Department's interest in this issue as demonstrated by their willingness to conduct two separate investigations. We will continue our intensive efforts at the state level to assure that engineers' right to practice will not be infringed. We will be eternally vigilant and will report any new developments to the Department of Justice." LE

We Want You to Get Involved!

They say "you get what you pay for." But people who are active in their professional associations report that they get a lot more back than they put in! Both statements are true!

If you pay your dues, file the membership directory for reference, read the newsletter, and attend meetings if it's convenient, you'll get your money's worth. But if you get involved, you'll get more than your money (and time's) worth. You'll get acquainted with engineering leaders, have an early warning on changes in the profession, and polish skills such as organizing meetings, making presentations, budgeting, planning, building leadership and management skills, and more.

So how can you get involved in LES? Volunteer at the chapter or state level, let a board member know that you'd like to serve on a committee. Pick an area of interest, **just get involved, your society needs you!**

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Key Position with the Sewerage and Water Board of New Orleans

The Sewerage and Water Board of New Orleans is seeking applicants for the position of Deputy General Superintendent.

The S&WB is the water, sewerage and drainage utility serving the City of New Orleans.

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- 10 years of progressively responsible professional experience in the engineering fields listed above which included work in either water purification, utilities, pumping and power, operations or, waste treatment, public works, and industrial construction.

Resume should be sent to: Personnel Division, Sewerage & Water Board of New Orleans, 625 St. Joseph Street, New Orleans, Louisiana 70165.

More information may be obtained by contacting Tony Moore in the Personnel Department of the S&WB at 504-585-2023.

Applications must be received by May 31, 1996.

The Sewerage and Water Board of New Orleans is an equal opportunity employer and does not discriminate on the basis of race, color, religion, national origin, sex, age, disability or sexual orientation.

Member Placement Service

Participation in the LES Member Placement Service program is offered at NO CHARGE to members in good standing (current year dues paid). Qualified members seeking employment in engineering positions may submit a "positions wanted ad" of 50 words or less. Ad must contain the following: position desired, brief description of experience, years of experience, degree (specialty or major, name and location of school), license type, and relocation status (if desired). A code number will be assigned to your ad in order to protect the confidentiality of your search for employment. NOTE: DO NOT SEND RESUMES! Only ads of 50 words or less, containing the information requested, will be accepted.

Submit ads to: Louisiana Engineer, ATTN Classified/MPS, P. O. Box 2683, Baton Rouge, LA 70821. For additional information, call the LES office at (504)344-4318. You may fax your ad to LES at (504)344-4319.

Employer: If you are interested in speaking with any of these or other LES member candidates seeking employment, please complete this form and mail to LES, P. O. Box 2683, Baton Rouge, LA 70821 or fax to (504)344-4319.

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LES will contact the member candidate to inform him/her of your interest and will be given the name and phone number of the person from your company that desires an interview or discussion. The member candidate is responsible for contacting the company directly if he/she chooses. LES does not guarantee that the company will be contacted by the candidate or that the candidate will obtain employment as a result of this service.

I understand that my company will be charged a \$75 administrative service fee upon confirmation that a qualified candidate has secured employment with my company through this Service.

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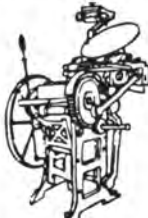
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Mechanical Engineer, self-directed engineer with over 15 years of natural gas experience. Extensive knowledge of design engineering, operations, measurement and maintenance. Broad knowledge of PC and network hardware and software, including troubleshooting and management. B.S. in Engineering Science from UNO. LA registered PE, mechanical.

#1961

Civil Engineer, E.I.T., MSCE-MSU-1996, seeks entry level position. 8 months construction experience, one summer LA DOTD. Thesis: "dispersive clays". Broad computer knowledge and file management skills. 5 years PC ownership and experience. Fluent in MS-DOS, Windows 3.11 Networked, Word, Excel, Access, DesignCad, and more. Available to relocate worldwide.

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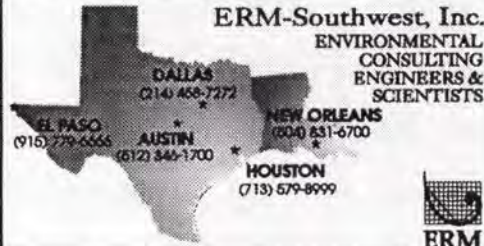


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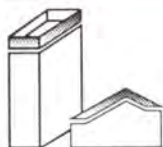
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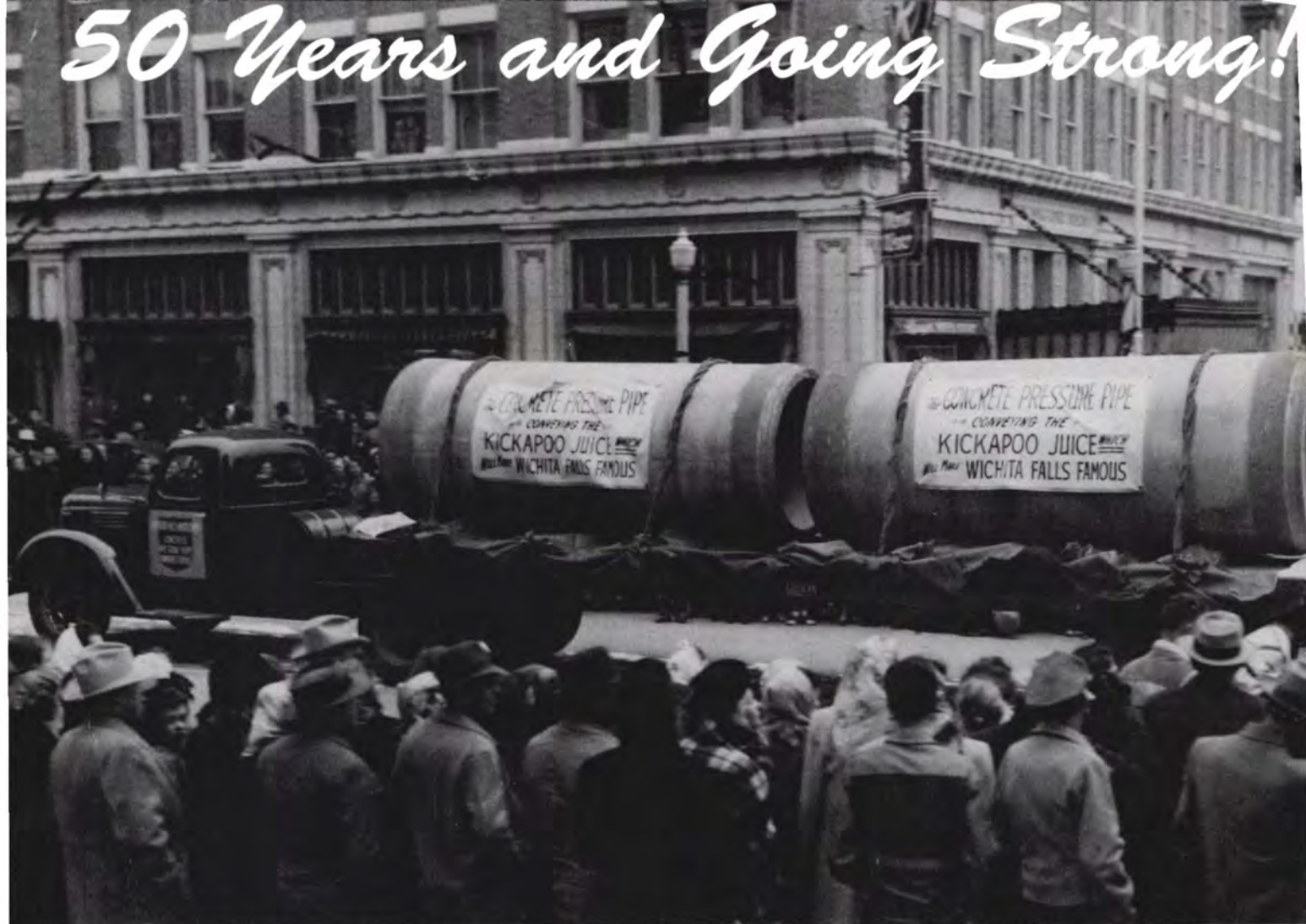
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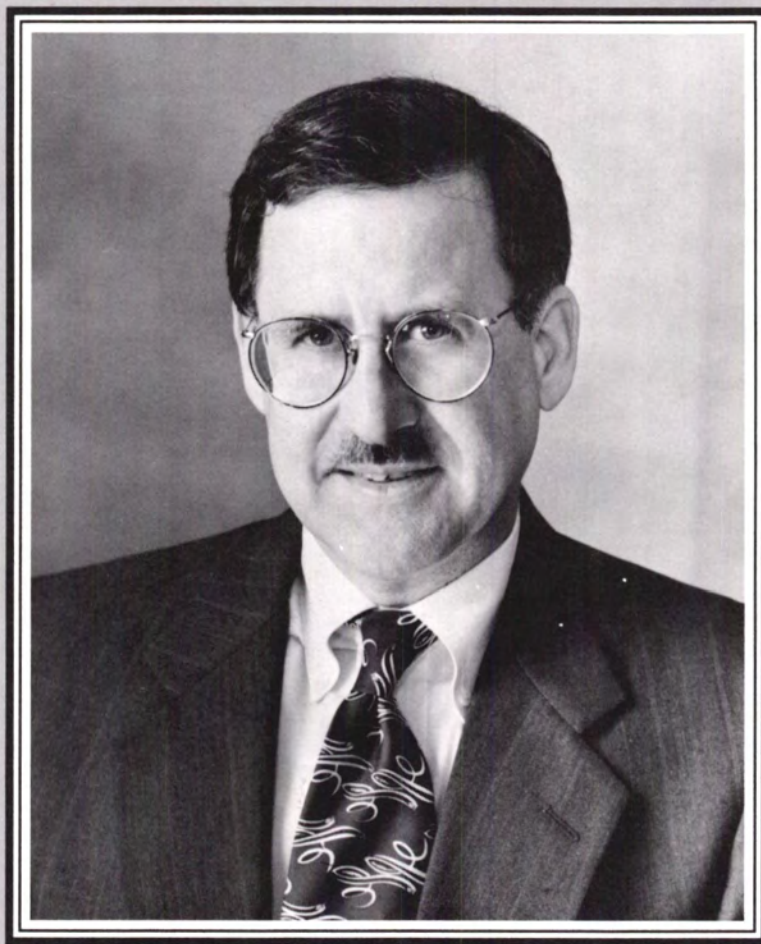
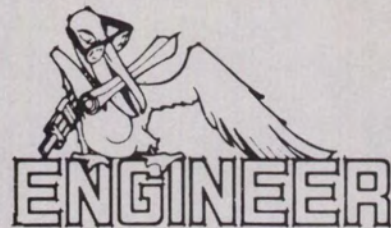


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Inside This Issue . . .

- ❖ MATHCOUNTS — see page 11
- ❖ LES 1996-97 Board of Direction — see page 12 and 13
- ❖ The Spec Sheet — see page 14



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Mission Statement

The Louisiana Engineering Society is dedicated to the advancement of the engineering profession by pursuing an active leadership role through:

- Providing avenues for members to elevate their skills, competencies and ethics.
- Communicating that engineering work must be performed by a professional engineer or supervised by a professional engineer.
- Public awareness activities.
- Services to the public and profession.
- Advocating registration of all engineers.
- Recognition of engineering achievements.

The LOUISIANA ENGINEER is the official publication of the Louisiana Engineering Society. The magazine is published in February, April, June, August, October and December. Subscription fee of \$24 yearly for engineers and non-engineers not living in the state of Louisiana. Two dollars of each LES member's annual dues is set aside for six issues of the LOUISIANA ENGINEER. Second class postage paid at Baton Rouge, La. The Louisiana Engineering Society does not guarantee the accuracy of statements made or necessarily concur with opinions expressed in this publication. ISSN: (0024-6794)

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Future State

If you are reading this article it is probably because you receive the *Louisiana Engineer*. This means that you financially support the Louisiana Engineering Society, and have decided that the future health and statue of the engineering profession in Louisiana is worth your investment. For this, I and the entire LES Board of Direction thank you! In support of the LES you make a definitive statement that you believe that it is imperative to protect the public and preserve the image of the engineer as a learned profession. You believe that engineers must actively participate in the legislative process, not only to protect the engineering profession, but to ensure that our government serves its constituents. You believe that we all should give something back to the community and your profession, and in doing so support MATHCOUNTS, Scholarships and other programs. At Christmas you donate money and toys for the poor. And for those who have the time to become active in chapter and state activities, you are the ones that make it all happen! **These are the values of the LES, and these are your values!**

Where does LES go from here? Here is my 'future state' or vision for LES. I see a time when ALL engineers recognize the need for registration, and engineering tasks are performed by professional engineers. I see an organization that is recognized as a proactive force in the legislative process. I see an organization that is diverse, not only in the engineering disciplines of its members, but with the multi-cultural differences of its members. I see an organization that is actively involved in the primary and secondary school systems, sharing time with our children and young adults exemplifying the attributes of an engineer. I see a strong and vibrant MATHCOUNTS program that has our young people energized by the challenge, and a scholarship program that provides financial support to assist needy students in completing their engineering education. I see a time when all engineering professors are registered, and endorse the preface that graduation is only the first phase in the continuum of becoming a professional engineer. I see a future where its members assist young engineers in making the transition to the work environment, assist in future job opportunities, and provide mentoring to those wishing to rapidly advance in the competitive world. I see an altruistic group recognizing that it is our responsibility to give something back to our community and the

profession and support those programs that accomplish this goal. I see an organization that provides seminars, meetings, and learning experiences to its members to enable all professional engineers to become the best that they can! No this is not a utopia that will happen in the next millennium, it can happen now! **Whatever the mind can conceive, can be achieved!**

How do we get there from here? A journey of a 1000 miles begins with the first step, and an accurate map! In September of 1995 LES members met in Alexandria and developed the LES vision statement and its supporting objectives. Each objective identified the tasks, priority, deadline and responsibilities. Committee structures may be modified and resources reallocated to ensure those tasks and assignments, whose results support the LES vision, are accomplished. We will be focused on what is done, and how it is done. **We Planned the Work, now we will Work the Plan!**

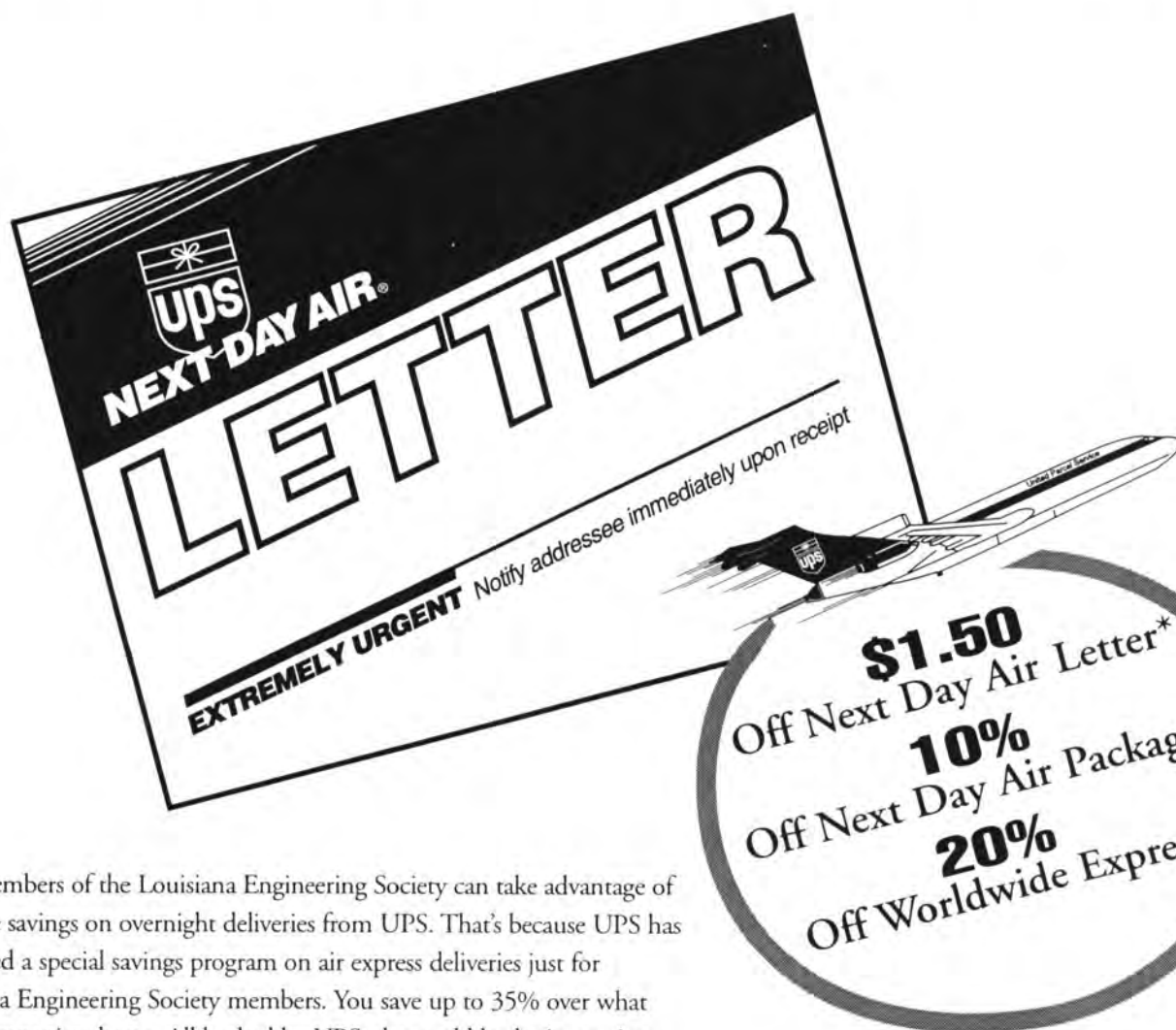
How do we know when we arrive? The feeling that each and every LES member will have is a contagious feeling of pride and accomplishment of the engineering community. A sense of belonging and actualization, knowing that we HAVE made a difference in our lives, companies, communities, and families. A quiet, reflective feeling and attitude knowing that we are in control of our destiny and are changing the future by our actions and decisions today. An interdependence and synergy among colleagues.

How is this achieved?

- a) Continue your financial support of the LES. I understand that everyone cannot be actively involved in every organization they belong. I only ask that you continue your financial support, attend a local or state meeting occasionally, and if possible communicate the needs that LES is not currently performing.
- b) If you have some time to invest, call me or your chapter president and we'll help direct you to the area that suits your interest.
- c) Provide us your name for work on specific tasks, not as a long term commitment, but only if you can provide some of your valuable time for short term projects.
- d) If any of your colleagues are not LES members, invite them to the next meeting and/or contact your local membership chair.

Success builds upon success! We can and will be as successful as our dreams allow! **LE**

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Letters to the Editor . . .

More to the Point

By James C. Porter, P.E.

I believe that both point and counterpoint articles in the April LES concerning the LES standing committee structure missed the point. Leadership is the point - not commitment, altruism, reengineering (If it ain't broke - break it!) Or any other incitement offered. The failure to respond to change is as fatal to a business as it is to a volunteer organization. Continuous improvement and reengineering are quality processes (vehicles of internal change) driven by leadership responding to external conditions and changes. Organization effectiveness is founded in leadership where structure is but one manifestation - not "the" solution.

I believe that the fading and failure of most of the standing committees of the LES is directly related to lack of leadership. The LES Board of Direction fails to understand or accept that the function of a committee is to act on *direction* from a board of directors. A board *commits* "issues", problems, concerns and opportunities" to a committee to investigate and/or recommend solutions. This primarily avoids a board having to handle the details as a committee of the whole. A standing committee is formed when the "issues, problems..." are recurring or ongoing.

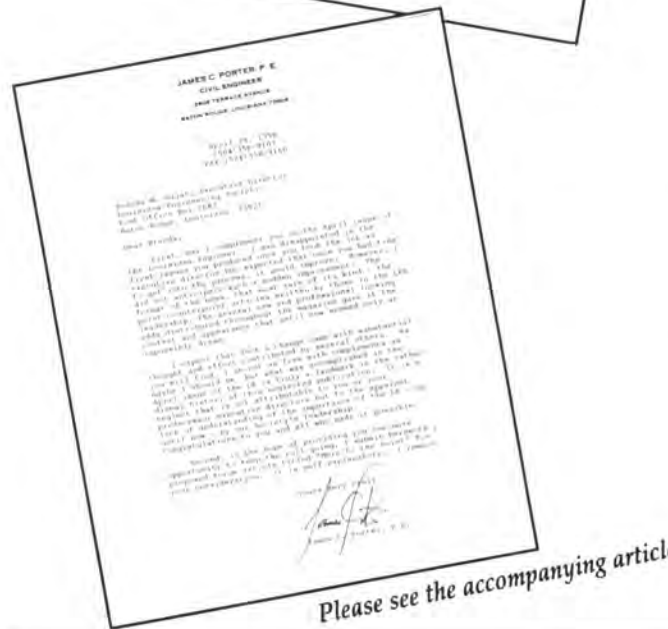
A small team (another word for special committee) that works or focuses on "issues, problems..." makes more sense than an LES standing committee only because its task is initially defined through a leadership process that occurs prior to its formation and that gives the team's tasks poignancy and urgency. The Board has the notion that the "committed" standing committee chair is able to independently know or quickly discover the breadth of the Society's "issues, problems..." within the scope of the committee's responsibility and exercise the leadership to develop and execute the program(s) to address them in one administrative year. This notion is absurd as most who have served as a "committed" committee chair can attest. Equally absurd is that the Board's only anticipated interaction with its standing committees' independently derived programs is to superficially review them for applicability to the Society goals and policies.

Standing committee chairs can intimately share leadership responsibilities with the Board to identify "issues, problems..." and develop programs but the Board must lead in defining the issues and developing and integrating all of the committee activities that are significant to the Society. Until the Board is prepared to accept and execute its leadership responsibility, I believe committee effectiveness - irrelevant of structure - will continue to be sporadic with some success but measured mostly in degrees of failure.

Standing committee activities at the chapter level should be based purely on whether there is a parallel need or role in the chapter and a similar willingness of the chapter's defined tasks and accomplished with - if not through - the chapter presidents to involve their constituents. The tenure of the committee should not necessarily be limited to an administrative year but should be more consistent with the expected time to complete the major task(s) of the committee that can span two or more administrations.

It may be appropriate to consider reconstituting the annual training and planning conference where no one was trained and nothing was planned and that was eventually done away with. Reconstitute it as a facilitated leadership conference where the Board and its standing committee chairs - along with all interested Society members - jointly develop and update the plans and programs of the Society and establish priorities consistent with its goals.

The titles of the current LES standing committees essentially identify the issues that are - or should be - of regular concern to the Society. However, it is the responsibility of the Society's leadership to lead in identifying associated plans and programs. If there are no regular plans and programs identified or ongoing then there should not be a standing committee standing around waiting for something to happen. In business, this is a waste of resources. In a volunteer organization it is an exercise in frustration. Both tend to demoralize and destroy the commitment of the members victimized. **LE**



Please see the accompanying article.

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Calendar of Events

We invite all technical and professional organizations to submit their meeting dates for publication in the *Louisiana Engineer* to: Editor, P. O. Box 2683, Baton Rouge, LA 70821.

June 1996

- 1 LES Board of Direction Meeting
- 12 Monroe Chapter Installation Banquet
- 25 LES Liaison Committee Meeting with AGC - State Office

July 1996

- 10 LES Membership Meeting - Lafayette
- 13-20 NSPE Annual Meeting - Boston, MA
- 15 Copy due for LE - August issue

September 1996

- 12 LES State Planning Session & Board of Direction Meeting - Alexandria

Special Thanks

Thanks to all of the members who are participating in the UPS "For Members Only" program. Over \$300 in revenues have been received through this source of income!

❖ Lafayette Chapter ❖

Dale LeBlanc, P.E.

At the April meeting, the Lafayette Chapter elected officers for the 96-97 term. Congratulations to the following officers elected:

President	George Comeaux, Jr., P.E.
First Vice-President (President-Elect)	Jeffrey Duplantis, P.E.
Second Vice-President	Darrell Hicks, P.E.
Treasurer	Doug Dorsey, Jr., EI

Our chapter elected a great slate of officers for the new year, and we ask all chapter members to support our new officers.

The Chapter ended the 95-96 year with our annual crawfish boil on May 10. This year the event was held as a joint meeting with ASCE, IEEE and LES. ASCE Acadiana Branch member **Craig Gautreaux** and LES Lafayette Chapter member **Warren Boudreaux, P.E.** provided 120 members and guests with boiled crawfish, hamburgers and beverages. Many USL student members of LES attended the event. Thanks to Craig, Warren, and all volunteers for another successful crawfish boil.

The Lafayette Chapter was well represented at Design Professional Day in Baton Rouge on May 21. Many of the Acadiana area Legislators visited with chapter members at the reception. Thanks to ASLA, CEC/L, LES, and LSPS for organizing the event on behalf of the state's design professionals. *LE*

❖ LEGISLATIVE REPORT ❖

by: Jack Laws, P.E.

"Design Professional Day" was a great success. This day long event at the State Capitol, held on May 21st, was co-sponsored by four professional organizations - The Louisiana Engineering Society, The Consulting Engineers Council of Louisiana, The Louisiana Society of Professional Surveyors and The Louisiana Chapter of the American Society of Landscape Architects.

Members of all four organizations arrived at the State Capitol and roamed the halls of the Legislature wearing 3" blue and gold buttons which simulated registration stamps. Each participant was asked to visit various committee hearings and to personally speak with their respective representatives and senators. In the early afternoon Speaker of the House Hunt Downer and Senate President Randy Ewing addressed a standing room only crowd in the Ellender Conference Room. Also speaking and representing the Governor's Office was Director of Municipal Affairs Lynda Imes.

Participants then returned to the legislative halls to witness their Legislators in action in the House Chamber. Beginning at 4:30 p.m. we kicked off an informal reception in the courtyard of the Pentagon Barracks. The reception was extremely well attended by your Senators, Representatives and their executive staff members. The excellent food, bountiful beverage and live music created a wonderful atmosphere as the nearly 500 participants enjoyed a picture perfect Louisiana sunset on the Mississippi River.

Special thanks are in order. Frank Nicoladis, CEC/L President is to be commended for his vision and dogged insistence that the event become reality. Vince Provenza, Ann Trappey, Ron Rodi, Brenda Gajan, Sharon Schexnayder, Warren Wilder and Debra Bagley all did their jobs well. However the real thanks goes out to all those members wearing blue buttons. By showing up and participating in a significantly visible fashion you made a very favorable impression. Let's do it again next year. *LE*



Stork News

- Kathryn Kelly Baudoin, daughter of Scotty and Maggie Baudoin, was born on April 4 weighing 7lbs, 13oz.
- Breanne Elizabeth Carol Plaisance, daughter of John and Diane Plaisance, was born on April 19 weighing 8lbs, 5oz.
- Andrea Rene Richard, daughter of Chris and Susan Richard, was born on May 21 weighing 8lbs, 8oz.

❖ In Memory ❖



Leo M. Odom, a Baton Rouge Consulting engineer and leader of state and local professional engineering organizations, died May 8 at 1:30 a.m. at his home in Baton Rouge. He was 90 years old.

A life long Louisianian, Mr. Odom attended Louisiana Tech in 1924, and worked his way through Louisiana State University as a draftsman with the Louisiana Department of Highways, and received a Bachelor of Civil Engineering degree in 1927.

He worked for the U.S. Army Corps of Engineers as a design engineer until 1942. He designed the first reinforced concrete lock structure in the New Orleans District at Harvey, LA.

From 1942 to 1948 he served as the Chief Engineer for the Louisiana Department of Highways under Gov. Sam Jones, Gov. Jimmy Davis, and Sen. Sam Overton for whom he acted as primary technical advisor in matters of highway system development, and flood control and drainage. Mr. Odom and then Director of the Department of Public Works Dewitt L. Pyburn were responsible for the development of the State Highway Program and the State Flood Control Program.

In 1948, he and Mr. Pyburn started the consulting engineering firm, Pyburn and Odom. He pioneered the design of pipeline river crossings and developed Pyburn & Odom, Inc.

Mr. Odom, an active member of The Louisiana Engineering Society since 1942, served in and chaired numerous committees and was elected president from 1968-69.

In 1978 Mr. Odom was a founding member and sat on the Board of Directors of the Engineering Foundation which promotes charitable, educational and scientific objectives. He and Mrs. Odom made a substantial contribution to finance the LEF Center located in Baton Rouge.

As a member of the Louisiana State Board of Registration for Professional Engineers and Land Surveyors for 32 years, he served as director for the Southern District of the National Council of Examiners for Engineers and Surveyors and received a distinguished service award from the Council. During his service to the Board of Registration, he was instrumental in developing registration laws and ethical standards for engineers.

Leo Odom was the first recipient of the Louisiana Engineering Society Award for Service to the Profession in 1972, which was named in his honor and has been presented annually to deserving engineers. Mr. Odom was a founding member of the Louisiana Association of Levee Boards, and a founding member of the Red River Commission. In 1973 Mr. Odom was presented the Charles M. Kerr Public Relations Award for distinguished service in promotion of public relations for the engineering profession in Louisiana. Mr. Odom went about the business of publicizing professional engineering through his active participation and involvement in guiding students and young engineers through the registration process and through contacts with state and local governments, national government agencies, private companies, engineering colleges and national societies.

In 1994, Mr. Odom was included in the Louisiana Tech University Centennial Distinguished Alumni.

Mr. Odom was a Mason and a Rotarian. In 1980, the LSU College of Engineering

elected Mr. Odom to the Engineering Hall of Distinction, among the first thus recognized. He is listed in Who's Who in America, Who's Who in Engineering and has written numerous technical articles and papers.

He served as president of the Louisiana Section of the American Society of Civil Engineers; and belonged to the National Society of Professional Engineers, the International Oceanographic Foundation, the International Association for Hydraulic Research, the LSU Foundation, the LA Tech Engineering Foundation, and the LSU Alumni Federation. He was a founding member of the City Club of Baton Rouge, a member of the Baton Rouge Country Club, and of St. James Episcopal Church.

In 1973 he was appointed chairman of the National Alliance for Businessmen for Baton Rouge by President Richard Nixon.

The Romans had a saying: *eSic transit gloris mundi*, Thus passes the glory of the world. Earthly fame is fleeting, but there is another more enduring recognition. Leo was blessed with every honor the engineering world offered, yet he recognized his own debt to honor GOD, who gifted him.

He is survived by his wife, the former Aimee Sorrel, by a daughter Aimee Odom Bateman and a son Harold Louis Sorrel Odom, 10 grandchildren, 4 great grandchildren, and was preceded in death by his son, Leo James Odom.

In lieu of flowers, donations may be made to the Leo James (Jimmy) Odom Scholarship Fund in memory of his son at St. Aloysius Catholic School, 2021 Stuart Avenue, Baton Rouge, LA 70808, the Louisiana Engineering Foundation, 1213 Nicholson Dr., Baton Rouge, LA 70802, the Louisiana Tech Foundation, P.O. Box 3183, Ruston, LA 71270, or the LSU Alumni Association, 3838 W. Lakeshore Dr., Baton Rouge, LA 70808. *LE*

WELCOME NEW MEMBERS

Alexandria Chapter

Kenneth D. Honaker, E.I.T.
Shane Hough, E.I.T.

Baton Rouge Chapter

Tim Miller
James A. Anderson
George D. Wright, P.E.
David R. Clymer, P.E.
Anant M. Vyas, P.E.

Andre E. LeBleu, P.E.

Bayou Chapter

Samuel C. Stone, E.I.T.
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Lafayette Chapter

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Lake Charles Chapter

Darrell G. Jacob, P.E.

Jerry W. Arkless, Jr., E.I.T.

Monroe Chapter

William L. Meyers, Jr., E.I.T.

New Orleans Chapter

Harry Nelson
Scott Brady
Mark Strain
Anuk Suwanachat

Lionel E. Flotte, Jr. P.E.

Brent A. Ledet, E.I.T.

Anthony Turley, Jr., E.I.T.

James D. Walker, P.E.

Lisa S. Grant, E.I.T.

Shreveport

Karen S. Loftus, P.E.

Matthew A. Mangham, E.I.T.

LES 98th Annual Meeting Highlights

by: Pete Dammon, P.E.

To put it mildly, the meeting was a success, starting with a dinner meeting on Thursday, May 30th, for incoming and outgoing chapter presidents, through the climax of Friday night's banquet and Saturday's Board of Direction meeting. The agenda was in tune with the times, and the food was excellent. The 1996-97 officers were installed for both State and Chapter offices, and a good time was "passed by all".

Aside from the committee meetings where the business of LES was conducted, seminars were held to further the attendees skills in "Leadership", show the importance that "Personalities" can play in a work group, and catching the "Wave of the Internet".

If you have never heard about Paradigms, you need to do so. My wife attended the meeting with me, book in hand, so she could catch up on the latest novel in

print, while I would listen to a speaker that she would not be interested in. The seminar turned out to be a video describing "Paradigms", those things in life that prevent us from making the wise choice. Needless to say, my wife and everyone else in the room gave the video their full attention. This video is available for showing at the chapter level through NSPE. You may contact Brenda at the State Office to get the details.

Are you a "Thinking" or a "Feeling Person"? Are you a "Sensing" or "Intuitive Person"? These were only two of the many personality profiles demonstrated in a seminar presented by MBTI's Nancy Burris. All work groups need a balance and you should assign the right people to these groups or they cannot get the best job accomplished.

The Internet seminar demonstrated what the Internet is about and how to use this tool

that will soon be commonplace in every office.

Clyde Tipton, President of the National Society of Professional Engineers, was present to install our new officers, observe, make recommendations on national issues, and to take our needs and concerns back to NSPE.

The New Orleans chapter picked up the tab for Thursday night's dinner that was open to all, provided an excellent location for the assembly, and provided Brenda with names for the excellent seminar conductors. This was a preview of the 1998 annual meeting which will also be held in New Orleans. That date has been relinquished by the Bayou Chapter, since the Louisiana Engineering Society was founded in New Orleans and this meeting will mark the Society's 100th anniversary.



LES distinguished "Past Presidents."



Carl Jakob receiving Outgoing President's plaque from Bob Brossette.



LES 1996-97 Board of Direction



State and Chapter officers were installed for 1996-97.



Kristen Brossette drawing the "winning" ticket from Boddin Hugger for the Scholarship Fund.



Thursday evening's dinner meeting at Messina's Restaurant.



"Strength in Unity", Bob Brossette, LES President, Pete Dammon, New Orleans Chapter President, and Clyde Tipton, NSPE President.



LES 1996-97 Executive Board



Bob and Yvonne Brossette with children, Kelly, Robin and Kristen.
(Can you guess who is really the boss?)



MATHCOUNTS

by: Brenda Gajan

NATIONAL COMPETITION — WASHINGTON, D.C.



State Competition



National MATHCOUNTS team pictured is David Lambeth, Mark Richard, Nina Tang, Adam Lawrance, and Claudia Allums.

State Competition

The 1996 competition was held at the Hotel Acadiana in Lafayette on March 15 & 16, hosted by LES and the Lafayette chapter. The top three teams from each of the eight LES chapters as well as seven individual winners from chapter competition, competed head to head, determined to be one of the top four Louisiana ambassadors to the national competition in Washington, D.C.

This year MATHCOUNTS was scheduled to coincide with Engineering Day at the University of Southwestern Louisiana. The College of Engineering opened its' doors to the mathletes for tours of the laboratories, class projects, and several industry displays which represented the varied fields available through engineering. All Departments in the College of Engineering participated in the day's activities, which ended with a crawfish boil/fish fry at Girard Park. The students, teachers, parents, and guests found the day enjoyable as well as educational.

Congratulations to the following top Louisiana teams and individuals:

Top Ten Schools

1. McKinley Middle
2. Sherwood Middle
3. Lake Castle Private
4. Paul Breaux Middle
5. Galvez Middle School
6. Caddo Middle Magnet
7. Cedar Creek School
8. Brother Martin
9. Boyet Junior High
10. L. J. Alleman

Chapter

- Baton Rouge
- Baton Rouge
- New Orleans
- Lafayette
- Baton Rouge
- Shreveport
- Monroe
- New Orleans
- New Orleans
- Lafayette

Top Ten Individuals

1. David Lambeth
2. Adam Lawrance
3. Mark Richard
4. Nina Tang
5. Gary Chan
6. Ali Tahvildari
7. Ben Hixon
8. Suhitha Reddy
9. Ben Bucu
10. John Murchisen

School

- Sherwood Middle
- Galvez Middle
- Lake Castle
- McKinley Middle
- Paul Breaux Middle
- McKinley Middle
- L. J. Alleman
- Curtis Penrod
- Sherwood Middle
- Caddo Middle Magnet

National Competition

The 1996 Louisiana MATHCOUNTS team was comprised of Adam Lawrance from Galvez Middle School, Nina Tang from McKinley Middle Magnet, David Lambeth from Sherwood Middle School, Mark Richard from Lake Castle Private School, and Coach Claudia Allums from McKinley Middle Magnet. Our Louisiana team placed 19th in national competition from a field of 57 teams, with individual rankings being 102, 106, 127 and 129. They were joined by 228 mathletes from all 50 states, the District of Columbia, Guam, Puerto Rico, the Virgin Islands, and Defense and State Department schools worldwide.

I would like to take this opportunity to sincerely thank the hundreds of volunteers who helped to make this years MATHCOUNTS program a huge success. Also, the Louisiana Engineering Society congratulates Coach Claudia Allums and the 1996 Louisiana Team for an excellent performance.

Next year's chapter competition will begin in early February. Now is the time for you to consider taking part in your community to make a difference in education in Louisiana by supporting the MATHCOUNTS program. As you help promote MATHCOUNTS, you help the teachers to demonstrate that mathematics is important, you help students by providing an avenue to gain recognition for their hard work, you help the community by developing a math literate work force and finally, you will have an opportunity to work with some of the best and brightest young people this state has to offer. If you lend your support to the MATHCOUNTS program, everyone will be a winner. *LE*

Without the financial support of the MATHCOUNTS Sponsors, our program would not be successful and the opportunities which have been created for our children would not exist. Sincere thanks to these sponsors:

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Warren J. Wilder • CECIL Executive Director
Consulting Engineers Section



Baton Rouge engineer, C. Carter Brown, P.E., was honored recently by the American Consulting Engineers Council (ACEC) when he was named the 1996 recipient of the most prestigious ACEC Past Presidents' Award. The honor was conferred at that organization's annual convention which was held in early May in Denver, Colorado.

The award is based on the extraordinary service and contributions by an individual to the profession. Candidates can only be nominated by a past president of ACEC, or by the Executive Committee. Nominees are then evaluated by a special subcommittee chaired by ACEC's immediate past president and including the Council's four most recent past presidents. The winning nominee must be approved by at least two-thirds of those past presidents voting.

Carter Brown has devoted 62 years of his life as a professional civil engineer, including stints with the U.S. Coast and Geodetic Survey, the Soil Conservation Service and the Louisiana Department of Public Works (now the Louisiana Department of Transportation and Develop-

ment) where he worked his way up to Director. During this time, he took two years off, from 1944 to 1946, to serve as a U.S. Naval officer in the Pacific Theater. In 1948, he and Charles Butler, who also was at DPW then, decided to leave the department and start their own equal-partnership firm.

Carter Brown served as Vice President on the Executive Committee of the Consulting Engineers Council of the United States (predecessor to ACEC) from 1966 to 1968. During that time, he faced an uphill battle in his efforts to get others in his firm interested and involved in the national organization.

Sam Bogen, an ACEC past president, explained, "From the start, he alone in his firm thought that CEC/US was worthy of support. His partners were dead set against a minute of the firm's time or a penny of the firm's assets being put to work for CEC/US. Without a murmur of complaint, Carter, no doubt helped by Sylvia Brown, set out to do the job he had undertaken, at his own cost and on his own time. He did so well, so whole-heartedly, and so cheerfully, that none of us on the Executive Committee in those years suspected what it cost him in personal effort."

Warren Wilder, Executive Director of Consulting Engineers Council of Louisiana, wrote in his letter of support for this nominee... "He is a man of impeccable dignity and integrity... In my opinion, he is a living testament exemplifying the reasons and criteria for the Past Presidents' Award."

And Larry McKee, Baton Rouge, himself a past ACEC Vice President, who considers

the nominee both a mentor and a friend, said that he "challenges you to be more ethical, to be uncompromising of your principles, to be more professional and to serve the public in every way possible."

On hand in Denver to accept the award for Carter Brown, who could not attend the convention because of health reasons, were CEC/Louisiana's president, Frank Nicoladis, and Executive Director Warren Wilder. Wilder presented some poignant, personal remarks about the recipient in order to "share him" with those to whom he spoke.

To a most deserving individual, we simply say, "Congratulations, Mr. B!"



Governor Foster Signs Landmark Legal Reforms

On April 16, 1996, Governor Mike Foster signed into law three bills which bring major reform to Louisiana's civil justice system. HB 18, 20, and 21 by Rep. Chuck McMains (R-Baton Rouge) represent comprehensive changes in the way courts may decide how to judge the financial responsibilities of individuals and businesses involved in legal disputes.

This landmark legislation brings Louisiana to the nation's forefront in civil law reform. The bills, which have national implications, are intended to create a more equitable legal environment for Louisiana's citizens and businesses.

Governor Foster stated, "I campaigned on a promise to restore some common sense to

our legal system. Making the system fair to both sides is something I promised individuals and small businesses who are unable to defend themselves against unreasonable lawsuits."

HB 21 provides that in a civil lawsuit a person cannot be held liable for more than his or her actual share of fault and will only be required to pay for that percentage of fault. Under the old law, an injured party could make a defendant pay 50 per cent of his damages even though that defendant may have been only 5 per cent at fault. With the new law, courts must consider the relative responsibilities of all persons in a lawsuit.

"There is no other bill which brings more badly needed change to our legal system. In the past people have been required to pay for injuries or damages at a level way out of proportion to their actual responsibility. It simply wasn't fair," Governor Foster said.

HB 18 abolishes strict liability, or liability without fault, based on ownership or custody of property including objects, buildings, and animals. Under the previous law, the courts viewed owning something which contributed to an injury as more important than whether or not the owner was actually at fault for the injury.

Under the new law, liability for the things a person owns or has custody of is based on negligence, not mere ownership or custody. People will now have the chance to defend themselves against lawsuits by showing that they exercised reasonable care.

HB 20 repeals the statute which authorized the award of

punitive damages for injuries caused by the improper storage, handling, or transportation of hazardous waste or toxic substances. The old law created uninsurable risks for many businesses, large and small.

In signing HB 20, Governor Foster re-stated his commitment to protecting Louisiana's environment through enforcing existing environmental laws. The Governor says the relatively new practice of law enforcement agencies using criminal codes to prosecute many environmental violations is adequate to insure that those who deliberately, blatantly damage Louisiana's environment will be held accountable.



NCEES Approves New Engineering Discipline Licensure Exam

Topeka, Kan., April, 1996 - The National Society of Architectural Engineers has announced that the National

Council of Examiners for Engineering and Surveying has agreed to sponsor a licensing exam - called the Building Architectural Engineering Exam - for states to use in testing candidates specifically for the professional engineering discipline of architectural engineering.

NCEES is the authority which provides the engineering licensing exams that states use to certify candidates.

"Our members are tremendously gratified to know that NCEES has acknowledged them as practicing a distinct engineering discipline requiring a separate exam," said NSAE President Mark McAfee, P.E. "This is a great leap forward for the profession, and we are enthusiastic about working alongside NCEES to develop the Building Architectural Engineering Exam."

Currently, candidates practicing in the architectural engineering field are commonly licensed using the exams of the structural, electrical, or mechanical engineering disciplines. NSAE has argued this testing

method jeopardizes the public interest, because these exams do not sufficiently test the candidate's knowledge in the specific field or area that they are practicing, which is the application of engineering principles in the design of building systems. This is not to be confused with architecture - essentially, the practice of designing buildings - whose licensees are already tested using a separate exam.

NSAE estimates that states will begin using the Building Architectural Engineering Exam to test candidates beginning in the spring of 1998.

NSAE has begun a fund-raising drive so that they may fulfill their obligations in establishing the exam. These include retaining a private firm to conduct a professional activities and knowledge (PAK) analysis survey of persons practicing in the discipline of architectural engineering. The funds will also be used for preparing a study guide. Over the next 18 months, NSAE members will also be preparing exam test items, attending NCEES training ses-

sions, and other activities associated with exam development.

"This is truly a milestone in the evolution of our profession. It is critical that we receive the support we need to move forward," said McAfee. He added that anyone who is interested in the effort to develop and implement the Building Architectural Engineering Exam, including participating in focus groups and the PAK analysis survey, should call or write the NSAE National Headquarters, 700 S.W. Jackson St., Ste. 702, Topeka, KS 66603-3758; tel. (913) 232-5707; fax (913) 357-6629. The NSAE home page may be found at <http://energy.arce.ukans.edu/nsae/main.htm> on the World Wide Web.

The National Society of Architectural Engineers is a not-for-profit professional association of practicing engineers, educators and students. The Society has over 1,000 members in 46 states and eight foreign countries.

Engineering on the Discovery Channel

The July 14 episode of Discovery Channel's new series Discover Magazine will focus on modern engineering, targeting three disciplines in a one-hour documentary. Viewers will get an inside look at one of Manhattan's most remarkable skyscrapers—the triangle-topped Citicorp Center. The buildings' chief engineer will take us on an insider's tour, discussing the 400-ton tuned mass damper and his novel system of wind bracings, and how these systems were put to the test soon after Citicorp's completion.

The hour will also include new discoveries about the Titanic's construction. New metallurgical evidence indicates that the Titanic's steel hull may have played a role in the famous disaster. Could builders have prevented the tragedy? Three Canadian engineers and a small piece of steel offer clues to unlocking the mystery.

Discover Magazine will also investigate the devastating 1980 fire at the MGM Grand Hotel in Las Vegas. The fire killed eighty-five people—one of the highest losses of life from fire in U.S. history. The show will examine why the inferno killed so many, and how our knowledge of fire protection engineering has advanced since then. We'll also include an inside look at Worcester Polytechnic Institute's cutting edge fire lab, where engineers burn everything from plastics to particle board to help understand and prevent tragic fires.

Discover Magazine is a new television science series affiliated with America's most popular science magazine, Discover. The hour-long program will appear every Sunday night at 8:00 p.m. on the Discovery Channel. LE



LES Hot Links

Yes, LES is now online!

You can find us on the web at

<http://www.eng.lsu.edu/les.html>.

Our e-mail address is les@communique.net.



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Web page written by: Jim Ellis, Editor



Louisiana
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A state society of the National
Society of Professional Engineers

State Office Location



Our office is located at 1213 Nicholson Drive in Metairie, Louisiana. Our telephone number is (504) 884-4118 and our fax number is (504) 884-4119. We are located on Nicholson Drive between the Interstate 10 overpass and Terrace Drive. Click here for pictures of our office as seen from the direction of the Interstate 10 overpass and from the direction of the I-10 exit. This is the sign in front of the building.



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NEW REGISTRANTS

The Louisiana Engineering Society would like to congratulate the following new registrants of the Board of Registration. These Engineers have passed their professional engineer exam and are far along in the continuum of becoming a registered professional engineer. LES invites these individuals to any local or state meetings and encourages LES members to personally contact these new registrants and bring them to a chapter meeting.

If you would like more information about joining your professional organization, contact Brenda Gajan at (504) 344-4318. Again congratulations on your achievement!

New Registrants for the Period 01/10/96 - 04/18/96

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Member Placement Service

Participation in the LES Member Placement Service program is offered at NO CHARGE to members in good standing (current year dues paid). Qualified members seeking employment in engineering positions may submit a "positions wanted ad" of 50 words or less. Ad must contain the following: position desired, brief description of experience, years of experience, degree (specialty or major, name and location of school), license type, and relocation status (if desired). A code number will be assigned to your ad in order to protect the confidentiality of your search for employment. NOTE: DO NOT SEND RESUMES! Only ads of 50 words or less, containing the information requested, will be accepted.

Submit ads to: Louisiana Engineer, ATTN Classified/MPS, P. O. Box 2683, Baton Rouge, LA 70821. For additional information, call the LES office at (504)344-4318. You may fax your ad to LES at (504)344-4319.

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(Current as of June, 1996)

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Civil Engineer, E.I.T., MSCE-MSU-1996, seeks entry level position. 8 months construction experience, one summer LA DOTD. Thesis- "dispersive clays". Broad computer knowledge and file management skills. 5 years PC ownership and experience. Fluent in MS-DOS, Windows 3.11 Networked, Word, Excel, Access, DesignCad, and more. Available to relocate worldwide.

#6961

Chemical Engineer, E.I.T., BSChE-Louisiana Tech - 1995, seeks entry level position. Currently working for software company as production assistant, one summer land surveying, and two years bookkeeping and manager of photography company. PC experience including MS Windows, Word, and Excel. Available to relocate and travel if necessary.



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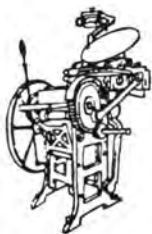
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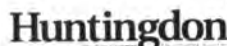
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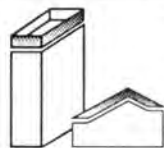
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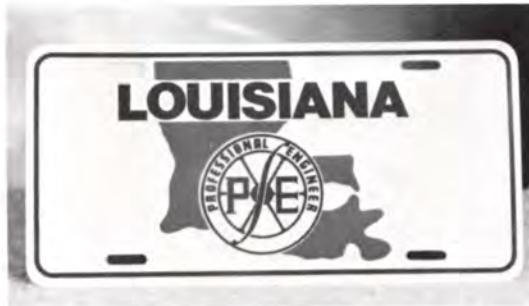
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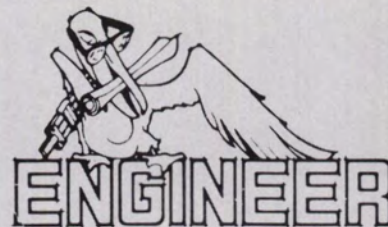
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Liaison w/ State Board of

Registration

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Long Range Planning

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MATHCOUNTS

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Membership

Ted H. Thompson, P.E.
(318) 439-4552

Public Relations

Kenneth Smith, P.E.
(504) 868-1050

Scholarship

Bodin A. Hugger, P.E.
(504) 461-0577

Young Engineers

Chris Richard, P.E.
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Advertising Rates

Size	Width	Depth	Cost per issue	Cost per year
Full page	7"	10"	\$200	\$960
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- 1) Prices quoted apply to camera-ready copy. A one-time charge will be added for composition of an ad, art work, or if changes are made during the contract period.
- 2) All ads must be prepaid. Advertisements with payment should be sent to LES by the 15th of the month preceding month of issue.

The LOUISIANA ENGINEER is the official publication of the Louisiana Engineering Society. The magazine is published in February, April, June, August, October and December. Subscription fee of \$24 yearly for engineers and non-engineers not living in the state of Louisiana. Two dollars of each LES member's annual dues is set aside for six issues of the LOUISIANA ENGINEER. Periodical postage paid at Baton Rouge, La. The Louisiana Engineering Society does not guarantee the accuracy of statements made or necessarily concur with opinions expressed in this publication. ISSN: (0024-6794)

POSTMASTER: Please send Change of Address Forms to LOUISIANA ENGINEERING SOCIETY, P. O. Box 2683, Baton Rouge, La. 70821. Telephone 504/344-4318, FAX 504/344-4319; 1213 Nicholson Drive, Baton Rouge, La.



PRESIDENTIAL PRIVILEGE

Robert A. Brossette, Jr., P.E. • President • Louisiana Engineering Society

GOALS - 1996/97

Several member's have asked what the goals and objectives for this administrative year are. In response to this question and as a continuation of last issue's presidential privilege, I would like to share with you the objectives and goals I have established:

Membership

- **Development** - We will afford members the opportunity to enhance their professional development skills by offering seminars at all LES state meetings. To this end, we are planning a joint meeting involving LES and several technical societies for November 7 & 8 in New Orleans. Several concurrent sessions will be offered including vendor displays to enable the engineering community an opportunity for continued learning and interaction with colleagues of our profession. Sessions will also be offered during the Annual Honors and Awards meeting in Monroe on February 28- 29, 1997.
- **Recognition** - I have challenged all chapters to provide at least one candidate for each of the LES state awards. I believe we must do a better job of recognizing the accomplishments of fellow professionals, and to inform the general public of their achievements. We need not be bashful or timid when recognizing worthy and deserving professionals.
- **Growth** - If LES is to provide its members the services and products that will be needed, we need to have a robust, growing organization. This year our goal is to have 165 new members. Plans are being developed to make this a reality, and with your assistance this objective can be realized.
- **Communication** - We will continue improving the *LOUISIANA ENGINEER*, and use it as the primary medium to communicate issues, news and information to our membership. We will continue the Point/Counterpoint concept for debate on contemporary concerns and issues to the profession, introducing an ISSUES CORNER and modifying the format to make the publication more reader friendly. We are finalizing a LES Homepage (<http://www.eng.lsu.edu/les.html>) and are available through the Internet (les@communique.net) for easier access by our membership.

Governance

- **Legislative** - Ensure that members have the opportunity to understand and debate the PROPOSAL FOR LONG RANGE STRATEGY TO INCREASE ENGINEERING LICENSURE BY ELIMINATION OF INDUSTRIAL AND UTILITY EXEMPTIONS. This edition's Issues Corner discusses this topic. Chapters will be asked for a 'strawman' vote on this proposal at the September 12 Board meeting in Alexandria. The final Board of Direction decision will be made at the November 8 meeting in New Orleans. This is a very emotional and controversial issue, and we will strive to ensure that LES members understand the puts and takes of this proposal.

I urge you to participate in 1997 Legislators Day. LES and individual members need to increase our interaction and become much more proactive with our legislators, especially on issue(s) that effect our profession. The decision made by Governor Foster in June not to seek Senate confirmation for the LES nominees to fill the two engineering vacancies on the Board of Registration magnifies the unfamiliarity politicians may have concerning LES, the Board of Registration and the engineering profession. These nominees were submitted by the LES, as per R.S. 37:683, and selected by then Governor Edwards. Governor Foster's decision was both confusing and enlightening. We need to change the opinion and perception of some and increase the knowledge of other legislators, and their staffs, regarding LES, Board of Registration and the engineering profession. While Governor Foster's action wasn't isolated and directed exclusively on the Board of Registration (he also did not confirm several other Board's appointees of the previous governor) it is troubling and disturbing if this is the perception people have of the engineering profession, LES and the Board of Registration.

Determine if it is appropriate to approach the Legislature with the NSPE Good Samaritan Act.

MATHCOUNTS

- Increase total number of participating students by 5%, and seek to improve overall national ranking of the Louisiana team. MATHCOUNTS is a very successful program, and this is a challenge for all chapters to continue to find methods of growing and strengthening this worthy program.

Scholarships

Transition to a university scholarship program to assist needy and worthy engineering students obtain their undergraduate engineering degree. For years NSPE/LES has had an outstanding scholarship program directed at the high school senior level. The funding for this program has been severely reduced by NSPE, and LES will now allocate its resources to focus on engineering students at local universities.

These are the primary goals and objectives for this year. It is, of course, not a comprehensive listing of all the activities of the society, but it is the direction in which I will allocate most of our resources. There are other areas that will be addressed such as: Work with the Louisiana Engineering Foundation to 'complete the vision' of having a first-class engineering center, ensure that the 5 Practice Divisions (PEC, PEE, PEG, PEI and PEPP) effectively discharge their duties and responsibilities, work with the Council of Deans to improve the quality of engineering education at Louisiana universities, improve the working relationship between LES and the State Board of Registration, assist Young Engineers in continuing the transition from the university life into the mainstream of the engineering profession, and assist the local chapters in satisfying the needs of it's members.

Yes, there is a lot 'going on', our plate is overflowing, and as Thomas A. Edison once said " I never allow myself to become discouraged under any circumstances...The three great essentials to achieve anything are, first, hard work; second, stick-to itiveness; third, common sense." I assure you, your Board has these ingredients, and with the efforts and commitments of all chapter and state volunteers, we will persevere and be successful. LE

ATTEND JOINT CONFERENCE '96

Thursday, November 7 and Friday, November 8, 1996

LES joint meeting with AEE, SWE, AICHE, IEEE, ASME, and SPE

Meetings, Seminars, Exhibitors, Banquet

Radisson Inn, Kenner, Louisiana

EXHIBITS OF ENGINEERING PRODUCTS AND SERVICES

Visit the booths of our exhibitors and find out more about products and services for the engineering community. Approximately 30 companies will showcase the latest technology. Many of them will have drawings for prizes, so be sure to visit them all.

No engineer should miss this opportunity to meet the companies that have a direct impact on the profession!

ATTENTION VENDORS AND POTENTIAL VENDORS:

Exhibit your product and /or service on November 7 & 8

RESERVE BOOTH SPACE NOW

- Reach the key people in your markets—the leaders of the engineering profession • Acquaint your prospects with your products and services • Over 12 hours of exhibit time to reach hundreds of engineers • Daily continental breakfast on the exhibit floor for delegates • Specialty areas include energy, civil, electrical, municipal, chemical, mechanical and more!

For more information, fax this form to (504) 344-4319 or call Brenda at (504) 344-4318.

☐ Yes, I want to exhibit at the 1996 Joint Meeting and Exhibition.

ALL THIS FOR JUST \$400

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THE SPEC SHEET

Warren J. Wilder • CEC/L Executive Director
Consulting Engineers Section

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Jerry G. Lazenby, P.E.

Jerry G. Lazenby, P.E. recently assumed the office of President of Consulting Engineers Council of Louisiana, Inc. He has served on the board as President-Elect, Vice President, Treasurer, Secretary and Member-at-Large for the past five years. Lazenby is a 1965 graduate of Louisiana Tech University with a Bachelor of Science degree in Civil Engineering. He is President of Lazenby & Associates, Inc., a West Monroe, Louisiana consulting firm offering civil engineering and land surveying services. He is Past Chairman, PEPP Division of the Louisiana Engineering Society, Past Chairman of the Monroe Chapter of LES, Past President of the Monroe/West Monroe Chapter of CEC/L, and holds membership in the Louisiana Engineering Society, National Society of Professional Engineers, Louisiana Society of Professional Surveyors, American Society of Civil Engineers, Institute of Transportation Engineers, and the Water Environment Federation. Lazenby is the 1993 recipient of the Charles M. Kerr Public Relations Award of the Louisiana Engineering Society, and is the 1994 recipient of that organization's Andrew M. Lockett Civil Affairs Award. He is also the CEC/L representative on the Louisiana Public Bid Law Study Commission. Lazenby is Immediate Past President of the West Monroe Rotary Club, and is active in the Government Affairs Division of the West Monroe-West Quachita Chamber of Commerce. He and his wife, the former Christine Wilson, have two sons and a daughter.

Warren J. Wilder, CEC/L's Executive Director, commented recently, "With regard to personalities, Jerry Lazenby and his predecessor, Frank Nicoladis, are as different as day and night, and that's good. With regard to enthusiasm, they are equal. I expect to be very busy again this year, and that's also good. Jerry has goals and expectations and will work most diligently to realize those goals. His priorities include membership development and resolution on the Industrial Exemption issue."

"The Board of Governors is laced with old and new members this year," Wilder concluded, "which will create a great system of checks and balances as well as a general blending of ideas. Under Jerry's leadership, we will continue to go forward."

F. Bren Kramer, Jr., P.E.

F. Bren Kramer, Jr., P.E. was recently elected President-Elect of CEC/L after having served terms as Vice President, Secretary, Treasurer, Member-at-Large, and Baton Rouge Chapter President. He is a graduate of Louisiana State University with a Bachelor of Science and a Master of Science degree in Electrical Engineering. He is licensed to practice engineering in Louisiana, Mississippi, Texas, and Maryland. He is President of Kramer Engineering, Inc. a Baton Rouge, Louisiana firm providing consulting engineering services and project management. Prior to forming his present firm, he was co-owner of Levy-Kramer & Associates, and he has been in private engineering practice since 1967. Kramer is a member of the Louisiana Engineering Society and Tau Beta Pi. He is a member of the Rotary Club of Baton Rouge, and he serves as a director of Gables Academy of Baton Rouge, The Gables Foundation, and the Evelyn Daniel Education Foundation. He is married to the former Susan Curtis.

Donald W. Clayton, P.E.

Donald W. Clayton, P.E. was elected to the office of Vice President, having served the last two years as Treasurer and Secretary, two years as a Member-at-Large and three years as Alexandria Chapter president. He serves as President of Ballard & Associates, Inc. an Alexandria, Louisiana based consulting firm providing professional services in Civil, Structural, and Environmental Engineering; Architecture; Surveying; and Laboratory Analysis. He holds registration in the states of Georgia, Louisiana, Mississippi and Texas. Clayton graduat-

ed from Georgia Tech in 1973 with a Bachelor of Science degree in Civil Engineering. He is a member of the Louisiana Engineering Society, the National Society of Professional Engineers, the Central Louisiana Chamber of Commerce, and the Alexandria Rotary Club. He is married to the former Kathryn Byrd, and they have two sons.

Russell J. Ponder, P.E.

Russell J. Ponder, P.E. was elected to serve on the Board of Governors as Treasurer. He was Secretary last year and Member-at-Large two years ago. He has also served the New Orleans Chapter as Secretary and then as its Vice President. Licensed to practice in Louisiana and Arizona, Ponder is a 1970 graduate of Louisiana Tech University with a Bachelor of Science degree in Civil Engineering. He began his career as a construction engineer with Gulf Oil Co. Alliance Refinery. He has been with Walk, Haydel & Associates, Inc., New Orleans, for the past 21 years, currently as Senior Project Manager. He has held other positions as Design Engineer, Project Engineer, Department Head - Civil Engineering, and Director, Architectural Division. The New Orleans based Walk, Haydel & Associates is multi-discipline engineering/architectural and Project Management firm serving industrial, commercial, institutional clients and government with branch offices in Baton Rouge, Lake Charles, Mobile, Alabama and Little Rock, Arkansas. He holds memberships in the Louisiana Engineering Society, National Society of Professional Engineers, and the American Society of Civil Engineers. A single parent, Ponder has four sons: Chris, Scott, Jamie, and Ryan.

Robert A. Basinger, P.E.

Robert A. Basinger, P.E., was elected Secretary of CEC/L, having served on the Board of Governors four years as Member-at-Large and two consecutive years as Shreveport Chapter President. He is President of BBC Engineering, Inc., a Shreveport based firm providing civil engineering services, land planning, and land surveying. Basinger graduated from Louisiana Tech University in 1970 with a Bachelor of Science degree in Civil Engineering and is licensed to practice in Louisiana and Texas. He is also a Professional Land Surveyor licensed to practice in Louisiana. He is a member of the Louisiana Engineering Society and the Shreveport Chapter of ASCE. He is married to the former Marcia Dolin, and they have three children. Basinger is a member of Springs of Grace Baptist Church where he is an ordained deacon and teaches an adult Sunday School class. He enjoys church activities and sports of all kinds with his wife and children. He is also a member of the Shreveport Chamber of Commerce, Greater Shreveport Economic Development Foundation, Downtown Shreveport Unlimited and Bossier Chamber. Basinger will serve on the Louisiana Engineer's Selection Board for the 1996-1997 term.

Frank Nicoladis, P.E.

Frank Nicoladis, P.E. consulting civil engineer from Metairie, Louisiana, will serve as the 1996-97 National Director of the Consulting Engineers Council of Louisiana (CEC/L). Licensed to practice Civil Engineering in Louisiana, Florida, Mississippi, Texas, and Arkansas, and Surveying in Louisiana, Nicoladis was born in Gulfport, Mississippi. He received a B.S. degree in Civil Engineering in 1957 from Mississippi State University and was commissioned upon graduation as a Field Artillery Officer, serving in the United States Army Reserve for eight years. From 1957 until 1969, he was employed as an engineer with three consulting engineering firms and one construction firm in this locale. In 1969, he established his own firm in Metairie, Louisiana. Since that time he has been president of N-Y Associates, Inc., a multi-disciplinary firm providing all types of services in the fields of engineering, architecture, planning and survey-

Continued on page 17



The 1996 National MATHCOUNTS team was recently honored by having lunch with Governor Foster.

MATHCOUNTS - A Success Story

By: Kerry J. LaBauve, P.E.

After thirteen years of directing and conducting NSPE's MATHCOUNTS, one has to reflect on why this program has been successful, and why it has grown since its beginnings in 1984. Dudley Hixson, P.E., serving as LES State President in 1983 accepted the NSPE challenge to begin the MATHCOUNTS Program in Louisiana and established the first Task Force Committee to undertake the project.

The success of MATHCOUNTS can only be attributed to the continuous support and participation of the LES membership and staff, dedicated teachers, and energetic seventh and eighth graders. Many engineers at the Chapter level deserve recognition for their efforts throughout the years, but space in this letter will now allow me to list them all. However, special recognition is due the brave souls who have volunteered to be the State Coordinator, and lead the team from regional to national competition. Coordinators include; Kerry LaBauve, P.E. 1984-1989, Jim Ragland, P.E. 1990, Warren Boudreaux, P.E. 1991, Carol Fisher, P.E. 1992, Jimmy Moore, P.E. 1993, Stan Prutz, P.E. 1994, Phil Meyers, P.E. 1995, and Chris Richard, P.E. 1996.

MATHCOUNTS has provided the engineering profession with the opportunity to involve hundreds of its members in a program which is designed to improve the mathematics curriculum in junior high schools and indirectly excite and encourage young people to consider engineering as a choice of profession. All of the engineers who have participated in MATHCOUNTS have certainly gained from their interaction with the people and can feel good about their return contribution to their communities.

Please take the time to express a vote of confidence and appreciation to these men and women who have represented your profession so well and encourage them and others to continue this work. You might wish to volunteer too. LE



Stork News

- Lindsey Rae Schexnayder, daughter of Sharon and Brice Schexnayder, was born on July 29 weighing 8lbs, 4oz.

Membership Recruiting Contest

by: Ted Thompson, P.E.

July 1st marked the start of the 1996-97 NSPE/Louisiana Engineering Society member-get-a-member campaign. The contest for members runs from July 1, 1996 to March 31, 1997.

NSPE and LES recognize that the best recruiters that our organization has is you the member. To recognize your efforts in bringing on board new members, NSPE and LES are announcing the following sponsor recognition and rewards:

Recruit 1 new member and receive:

- Recognition as a member of the President's Society of Sponsors
- One \$5 discount coupon on NSPE products*

Recruit 2 new members and receive:

- Recognition as a member of the President's Society of Sponsors
- Two \$5 discount coupons on NSPE products (\$10 member value)
- NSPE Income and Salary Survey (\$50 member value)

Recruit 3 new members and receive:

- Recognition as a member of the President's Society of Sponsors
- Three \$5 discount coupons on NSPE products (\$15 member value)
- NSPE Income and Salary Survey (\$50 member value)
- NSPE Coffee Mug

Recruit 4 new members and receive:

- Recognition as a member of the President's Society of Sponsors
- Four \$5 discount coupons on NSPE products (\$20 member value)
- NSPE Income and Salary Survey (\$50 member value)
- NSPE Coffee Mug
- NSPE Mini Mag-Lite Flashlight Set

Recruit 5 new members and receive:

- Recognition as a member of the President's Society of Sponsors
- Five \$5 discount coupons on NSPE products (\$25 member value)
- NSPE Income and Salary Survey (\$50 member value)
- NSPE Coffee Mug
- NSPE Mini Mag-Lite Flashlight Set
- NSPE Business Card Holder/Address Book

Recruit 6 or more new members and receive:

- Recognition as a member of the President's Society of Sponsors
- Six \$5 discount coupons on NSPE products (\$30 member value)
- NSPE Income and Salary Survey (\$50 member value)
- NSPE Coffee Mug
- NSPE Mini Mag-Lite Flashlight Set
- NSPE Business Card Holder/Address Book
- NSPE Golf Umbrella

The Second Runner-Up to the Top Sponsor will also receive...

- * A \$250 gift check courtesy of MBNA America Bank, N.A., issuer of the NSPE MasterCard and Visa

The First Runner-Up to the Top Sponsor will also receive...

- * A \$500 gift check courtesy of MBNA America Bank, N.A.

The Top Sponsor who recruits the most new members from July 1, 1996 - March 31, 1997 will also receive...

- * A \$750 gift check courtesy of MBNA America Bank, N.A.
- * A gold/silver two-tone NSPE watch by Seiko

Additionally, LES will waive the following years' LES portion of your dues for recruiting three or more new members. Contact your chapter membership chairman for complete instructions and restrictions. Your name and membership number must appear on the new members' application to gain your recognition.

Not only are individual members rewarded for their efforts, but the chapters as well. Last year two chapters, Lake Charles and Alexandria, achieved a net growth for the year; and the Lake Charles chapter was awarded \$400.00 for the second year in a row for having the largest net growth.

Through your efforts and the innovative programs that you support in your chapter, LES can continue to grow and be responsive to the needs of the professional engineers into the Twenty First Century. LE

Calendar of Events

We invite all technical and professional organizations to submit their meeting dates for publication in the *Louisiana Engineer* to: Editor, P. O. Box 2683, Baton Rouge, LA 70821.

August 1996

- 1 Joint Planning Committee Meeting - Kenner, LA
- 8 Shreveport Chapter Family Nite & Officer Installation
- 14 Lafayette Chapter Installation Banquet
- 16 LES Executive Committee Meeting
- 22 LES Liaison Committee Meeting with AGC-State Office

September 1996

- 12 LES State Planning Session & Board of Direction Meeting - Alexandria
- 14 Lafayette Chapter Annual Tailgate Party, USL - Texas A & M
- 15 Copy due for LE October issue

1996 Professional Development Award



Thomas Dudley Hixson, P.E., Vice President of Meyer, Meyer, LaCroix & Hixon, Inc. accepting the award for Meyer, Meyer, LaCroix & Hixon, Inc. during the Joint Practice Division Awards Luncheon in Boston, MA.

We are pleased to announce that Meyer, Meyer, LaCroix & Hixon, Inc., was selected to receive the 1996 NSPE Professional Development Award for Private Practice. This award is presented annually and honors employers of engineers that have made outstanding contributions to the advancement and improvement of the engineering profession through employment policies. Congratulations on being selected for this award and we commend your organization for its impressive engineering employment practices!

LES/NSPE Membership Grades

With the 1997 dues billing coming up in September, the following membership grades are currently in effect. Please take a moment to review the member grade qualifications to ensure that your member grade is correct. If you think you may qualify for a different member grade, simply send your request in writing to the State Office. Please keep in mind that to affect membership dues billing for the 1997 billing, requests must be received by August 31, 1996. Please note that effective January 1, 1990, NSPE membership was made mandatory for all qualified members.

Member - A Member shall be defined as a person holding a valid license or certificate of registration as a professional engineer, issued under the laws of any state, territory, possession, or district of the United States.

Associate - An Associate shall be defined as a person who is: (a) a certified EIT or (b) a certified LSIT or (c) a graduate of an engineering curriculum or land surveying curriculum actively pursuing an engineering or land surveying career, or engaged in postgraduate engineering study. An associate member may remain in this classification until eligible for advancement by professional registration to Member or Surveyor Member grades, but not more than 12 years.

Affiliate - An Affiliate shall be defined as a person who, by scientific acquirement or practical experience, has attained a position in a special pursuit qualifying the member to cooperate with engineers in the advancement of professional engineering knowledge and practice, but who is not eligible to hold membership in another grade.

Student - A Student shall be defined as an undergraduate or graduate matriculate of a school or college of engineering or engineering

related sciences. Upon graduation, the student member shall be transferred to the grade of associate without application.

Privileged/Senior Engineer - A Privileged member shall be defined as a person who fulfills all of the following conditions: the member shall have retired from active practice, shall have not less than five years membership in the Society, and shall make written request for this grade of membership. Please note that LES Privileged Member and NSPE Senior Member are similar. A member shall become eligible for Senior Engineer status in NSPE if the member is at least 65 years of age and has paid dues for 25 years above the student grade.

Life - A Life member shall be a member who has paid dues for a period of at least 35 years, other than as a privileged or student member, and who has reached the age of 65.

For a full description of LES and NSPE membership categories and requirements, please call the State Office.

NEW MEMBERS

Alexandria Chapter

David R. Pfeiffer, P.E.

Baton Rouge Chapter

Nagaraju Samayam, E.I.T.

John W. Starring, P.E.

Clovis L. Morrison, P.E.

Paul G. Alley, E.I.T.

Julie D. White, E.I.T. Andre E.

LeBleu, P.E.

Lafayette Chapter

Tim Dubea, P.E.

Edward M. Simmons, Jr., P.E.

Lake Charles Chapter

Darrell G. Jacob, P.E.

Jerry W. Arkless, Jr., E.I.T.

Monroe Chapter

Arthur C. Thigpen, Jr., P.E.

New Orleans Chapter

Brian A. Florane, E.I.T.

Society News ❖ Chapter Reports

❖ Baton Rouge Chapter ❖

by Richard Savoie, P.E. - Chapter President

The Baton Rouge Chapter has held its' annual May Picnic at which jambalaya and boiled crawfish were enjoyed by many members, children and guest. It was hosted again by Dr. and Mrs. Louis Capozzoli. Thanks to the Capozzoli's.

Correspondence between our chapter and the LSU Engineering Council is proceeding with emphasis on student membership in LES.

Our first meeting for the new year is August 23rd, which will jump start many ongoing projects. *LE*

❖ Lafayette Chapter ❖

by George Comeaux, Jr., P.E. - Chapter President

The Installation Banquet for our new officers will be on August 14, 1996 at Don's Steak & Seafood downtown. The year's installation banquet is being held a little early this year for two reasons. The first reason is to allow for a straw vote on the Chapter's stance on the Industrial Exemption issue. A guest speaker from the Industrial Advisory Committee will be speaking on the issue. The other reason is that this year's annual USL tailgate party has been moved up to September. The USL-Texas A&M game on September 14 will provide the stage for this year's annual tailgate party. Our annual student membership drive will be initiated at the party.

Thanks to Keith Bergeron and Dale LeBlanc for coordinating the State LES Membership Committee meeting held in Lafayette on July 10. In addition to the goals established at the meeting, the Lafayette Chapter has decided to award a \$50.00 gift certificate to the member sponsoring the most new members during this year's membership drive. To encourage attendance at the local meetings, door prizes will be awarded to all regular scheduled meetings.

Visitors and guests are always welcome to our meetings and functions. Please join us at our installation banquet and tailgate party. Tickets for the USL-Texas A&M game go on sale August 26 at 10AM. Tickets will be available at the USL ticket office or any Ticketmaster location. *LE*

❖ Monroe Chapter ❖

by Billy Moore, P.E. - Chapter President

Officers and chairmen of committees met to discuss the goals for the upcoming year. Our goals are as follows:

1. Increase membership from 114 to 120.
2. Provide a professional development seminar at the February state meeting to assist members in their continuing professional development.
3. Have at least one nominee for each state award.
4. To have an Engineers Week meeting and hopefully have the Governor as our speaker. This will be a fundraiser for a scholarship for engineering.
5. We will conduct three executive committee meetings, seven chapter meetings with program, an E Week banquet and host the LES awards meeting in February.
6. Under legislative agenda, we will debate the industrial exemption, debate the definition of engineering, participate in 1997 legislative day activities and try to help pass a Good Samaritan Act.
7. MATHCOUNTS - We will increase the number of schools by at least one and obtain corporate funding of at least \$1000.

8. We will provide a \$500 scholarship to a deserving engineering student or high school graduate going into engineering.
9. We will have news articles on each chapter meeting, MATHCOUNTS, scholarship award and our other activities.
10. We will investigate mentoring young engineers at either the college or entry level.

We will use a mid-year meeting to evaluate the status of these goals and at the final year executive committee meeting, do a review and assist in goal setting for next year. *LE*

Call for Entries . . .

1997 Professional Development Awards

The National Society of Professional Engineers is seeking nominations for its 1997 Professional Development Awards competition. Since 1960, NSPE has used this award to recognize engineering employers which have made significant contributions to the advancement and improvement of engineering practices.

1997 awards will be for Construction, Industry, and Private Practice. To be eligible for the construction award, the employer must be a contracting firm, sub-contractor, design-build or turnkey firm of an industrial corporation whose primary function is the construction of physical facilities or structures. Eligibility for the industry award requires an employer whose primary function is to design and manufacture or supply various devices, equipment products, or systems for the use and benefit of human-kind. A private practice employer must be a for-profit firm or branch office of a firm, the primary function of which is to provide engineering design or consulting services for infrastructure, facilities, or processes to clients in accordance with applicable state laws.

All entries must be submitted through LES and nomination forms may be obtained by calling the State Office. The deadline for entries is December 1, 1996.

LES 1997 Honors & Awards

This year LES will honor seven engineers who have achieved high levels of professionalism, technical ability or civic support. The desire of the Society is not only to recognize the distinguished service of these individuals, but to also encourage and inspire other engineers to take a greater interest in their specific field. Please give serious thought to nominating someone in your professional area of expertise for one of the awards listed below. Nominations must be made through your local chapter and are due to the State Office no later than September 6, 1996. The seven categories are:

1. A. B. Patterson Medal for an Engineer in Management
2. Andrew M. Lockett Medal for Civic Activities
3. James L. Todd Technological Accomplishment Medal
4. Leo M. Odom Award for Service to the Profession
5. Charles M. Kerr Public Relations Award
6. F. Hugh Coughlin Young Engineer Award
7. Waldemar S. Nelson President's Award

Nominations for LA Highways & Transportation Hall of Honor

Nominations are now being accepted for membership in the LA Highways and Transportation Hall of Honor. This honor is awarded annually to individuals who have made extraordinary contributions to LA Highways and Transportation programs. Nominations may be made for outstanding contributions in the fields of construction, engineering design, invention, legislation, safety, etc. To be eligible for an award, the nominee must be either a deceased person or be retired no less than five years from the occupation or position from which recognition is to be made. Nomination forms may be obtained by calling the State Office. Nominations must be received on or before September 30, 1996.

LEADERSHIP MEETING AND BOARD OF DIRECTION

Ramada Inn & Convention Centre
2211 North MacArthur Drive
Alexandria, LA (318) 443-2561

On Thursday, September 12, 1996, a meeting of LES has been set up as a brief orientation and leadership meeting of the Society. All members are invited to attend.

Each Practice Division, Committee and Chapter will have 5-10 minutes to give a report. If you have the need for a committee meeting, please communicate your needs to the State Office.

9:00 a.m. - 10:30 a.m.

Welcome.

Bob Brossette, P.E.

State Office Services

Brenda Gajan

Practice Divisions

Construction

Gordon Nelson, P.E.

Education

Bobby Price, P.E.

Government

James Moore, P.E.

Industry

Harold LeRay, P.E.

Private Practice

John Plaisance, P.E.

Committees

Engineering Education

Fred Brown, P.E.

Honors and Awards

Edgar Benoit, P.E.

Inter-Society Relations

J. M. Drake, P.E.

10:30 a.m. - 10:45 a.m.

BREAK

10:45 a.m. - Noon

Committees

Legislative

Jack Laws, P.E.

Liaison with State Board

Ron Rodi, P.E.

Long-Range Planning

John Plaisance, P.E.

MATHCOUNTS

Kerry LaBauve, P.E.

Membership

Ted Thompson, P.E.

Public Relations

Kenny Smith, P.E.

Scholarship

Bodin Hugger, P.E.

Young Engineers

Chris Richard, P.E.

Noon - 1:00 p.m.

LUNCH

1:00 p.m. - 2:20 p.m.

Chapters

Alexandria

Mike D'Angelo, P.E.

Baton Rouge

Richard Savoie, P.E.

Bayou

Steve Breeding, P.E.

Lafayette

George Comeaux, P.E.

Lake Charles

Daniel Holder, P.E.

Monroe

Billy Moore, P.E.

New Orleans

Pete Dammon, P.E.

Shreveport

Ali Mustapha, P.E.

2:30 p.m. - 3:30 p.m.

Committee Meetings **

3:30 p.m. - 5:00 p.m.

Board of Direction Meeting

**** Note: If no committee meetings are scheduled, the Board of Direction Meeting will begin promptly at 2:30 p.m.**

• • • • • REGISTRATION • • • • •

Registration fee is \$20.00, which includes lunch. Please complete this registration form and return with payment by September 5, 1996 to LES, P.O. Box 2683, Baton Rouge, LA 70821. Phone (504) 344-4318 Fax (504) 344-4319

Name: _____

Chapter: _____

_____ My check is enclosed made payable to LES or bill my

_____ VISA

_____ MasterCard

Signature: _____ Card #: _____ Exp. Date: _____

NEW REGISTRANTS

The Louisiana Engineering Society would like to congratulate the following new registrants of the Board of Registration. These Engineers have passed their professional engineer exam and are far along in the continuum of becoming a registered professional engineer. LES invites these individuals to any local or state meetings and encourages LES members to personally contact these new registrants and bring them to a chapter meeting.

If you would like more information about joining your professional organization, contact Brenda Gajan at (504) 344-4318. Again congratulations on your achievement!

New Registrants for the Period 04/18/96 - 07/22/96

CHEMICAL

Scott Michael Pagendam
BASKINGRIDGE, NJ
James Richard Handley
E AMHERST, NY
David Robert Livingston
MOBILE, AL
John Harvey Williams
PONCHATOULA, LA
Mamerto Goar Luzarraga
BATON ROUGE, LA
Timothy Okereke Odi
BATON ROUGE, LA
Minghua Ye
BATON ROUGE, LA
Mark Anthony Robertson
BATON ROUGE, LA
Bill Baucum Elmore
RUSTON, LA
John Robert Loper
SEABROOK, TX
Kirk Edward Hummel
PFLUGERVILLE, TX
Matthew Todd Berghorn
LITTLETON, CO

CIVIL

Raymond Dennis Ciatto
MEDFIELD, MA
Alan Grant Ellingson
BADEN, PA
Thomas Martin Walsh
BRACKNEY, PA
Herbert Saul Zwilling
LANGHORNE, PA
Daniel Arthur Daily
COATESVILLE, PA
Lawrence Roger Baker, Jr.
DOWNTOWN, PA
Richard Henry Morath
LEXINGTON, SC
Alejandro Pascual III
CLARKSTON, GA
Brad Lyle Beczkalo
POWDER SPRINGS, GA
John Michael Flannigan
STONE MOUNTAIN, GA
William A. Thornton III
SUWANEE, GA
Tracey Darrell Bellamy
ATLANTA, GA
Jeffrey Duncan Malpass
GAINESVILLE, FL
Premasis Brahmas
ALTAMONTE SPRINGS, FL
William E. Tipton, Jr.
ORLANDO, FL
Edward Bell
TAMPA, FL
Fred R. DeLeon, Jr.
BIRMINGHAM, AL
Scott James Ritter
MOBILE, AL
Terry Wayne Grant
LOWMEADOWS, AL
Gary Lewis Tysinger
JOHNSON CITY, TN
Gerald Davis Lawson, Sr.
MEMPHIS, TN
Surya Narayan Sahoo
MEMPHIS, TN
Robert James Millette
FLORENCE, MS
David Paul LeBlanc
LONG BEACH, MS
Mark Ashley Caldwell
PADUCAH, KY
Douglas Peter Wise
BEAVER CREEK, OH
David Lavern McKenzie
INDEPENDENCE, MO
Nicholas Clark Bassar
HUTCHINSON, KS
Ronald Dean Hoagland
OMAHA, NE
Daniel Lee Bolinger
METAIRIE, LA
Stacey Uim Frost
METAIRIE, LA
Michael David Chopin
METAIRIE, LA

Jianan Wan
METAIRIE, LA
David Michael Ackermann
CHALMETTE, LA
Richard William Skolen
KENNER, LA
Mysore S. Nataraj
MARRERO, LA
Christine Yerkes Buziak
NEW ORLEANS, LA
Greg Brenton Southworth
NEW ORLEANS, LA
Laura Cinnater Johnston
NEW ORLEANS, LA
Paul Johnston
NEW ORLEANS, LA
Stephen Charles Kenney **
NEW ORLEANS, LA
Roger Dale Ramsey II
NEW ORLEANS, LA
John Henderson Shires
NEW ORLEANS, LA
Theodore Joseph May, Jr.
NEW ORLEANS, LA
Mark Herman Gonski
NEW ORLEANS, LA
Daniel Michael Gerrity
NEW ORLEANS, LA
Richard Russell Scheirman
NEW ORLEANS, LA
Timothy Benjamin Skelton
NEW ORLEANS, LA
Stacey Patricia Carr
NEW ORLEANS, LA
James Mitchell Hosman
NEW ORLEANS, LA
Cherie Elizabeth LaFleur
FRANKLINTON, LA
David Earl Goodwin
MADISONVILLE, LA
Kim Joseph Touchet **
MAURICE, LA
Donald Charles Antrobus
YOUNGVILLE, LA
Jamal Zuhair Fadda
YOUNGVILLE, LA
Virgil Warren Page
GREENWELL SPRINGS, LA
Ernest Heymsfield
BATON ROUGE, LA
Rafik Achy
BATON ROUGE, LA
Charles Rickey LeBlanc
BATON ROUGE, LA
Kamel Moh'd Qaisi
BATON ROUGE, LA
Darcy Michael Bullock
BATON ROUGE, LA
James Edward Jackson
BATON ROUGE, LA
Zhengzheng Fu
BATON ROUGE, LA
Joey Reynolds
BATON ROUGE, LA
Robert Dale Lee
BATON ROUGE, LA
Kevin Eugene Crosby **
MONROE, LA
Alaa Lotfi Atallah
RUSTON, LA
Jeffrey Ellis Shapiro
RUSTON, LA
Thomas Marshall Hill
WEST MONROE, LA
Jason Todd Thornhill **
WEST MONROE, LA
Kenneth Wayne Couch **
WEST MONROE, LA
Michael Andrew Biggs**
WEST MONROE, LA
Jonathan Louis Lachney
ALEXANDRIA, LA
Leon Steven Garner
ALEXANDRIA, LA
Todd Eric Henry
ALEXANDRIA, LA
Patrick Scott Robison
ALEXANDRIA, LA
Billy Ray Staggs
CABOT, AR
Harry Arthur Lee
DALLAS, TX
Roger Wayne Barton
ARGYLE, TX

K. K. Raghu
HOUSTON, TX
James Gregory Soules
SPRING, TX
Steven Avery Smith
BERMUDA DUNES, CA

ELECTRICAL

David Joseph Courtemanche
CONCORD, MA
Robert James Hatch, Jr.
EMERSON, N
Robert John Featherstone
AMHERST, NY
Jerry Alex Baxter, Jr.
N AUGUSTA, SC
Paul Yao-Tseng Shane
DUNWOODY, GA
Cedric Deneal Estelle CHILDERS-
BURG, AL
Eric Charles Hamilton Smith
HELENA, AL
Daniel Rodney Rhodes
REYNOLDSBURG, OH
Jerry Michael Jerabek
WESTERN SPRINGS, IL
Attila Arat
ST LOUIS, MO
Jack Herbert Neelis II
METAIRIE, LA
Monica LeBrun Hamlin
KENNER, LA
Gerald Marshall Frances, Jr.
KENNER, LA
John Robbins Albano
KENNER, LA
Donald Ray Horn
MARRERO, LA
Craig Thomas Wadsworth
NEW ORLEANS, LA
Daniel Albert Foret
RIVER RIDGE, LA
Michael Thomas James
NEW ORLEANS, LA
Gary Paul Hutchinson
HOUMA, LA
Charles Andrew Darnell
PONCHATOULA, LA
David Richard Lewis
SLIDELL, LA
Gregory Scott Strahan
SLIDELL, LA
Alvin Anthony Zerangue
LAFAYETTE, LA
Jess David McConnell
YOUNGVILLE, LA
David Wayne Boroughs
YOUNGVILLE, LA
Chris Lambros Kalkalides
PRAIRIEVILLE, LA
Darrell Glenn Vinson
PRAIRIEVILLE, LA
George Anthony Economides
BATON ROUGE, LA
Mohammad M. Saizad
BATON ROUGE, LA
Pierre Hassib Issa
BATON ROUGE, LA
Troy Christopher West **
BUNKIE, LA
Kelvin Eugene Wrenn
NATCHITOCHES, LA
Jeffery Vernon Cooley
FORREST CITY, AR
Inocentes Correas Sulapas
SPRING, TX
Joe Anton Joachim
KATY, TX
Michael Warren Olson
ORANGE, TX
Jon Paul Busack
EAGLE, ID
Kai Curry Keith Ramsing
WHITTIER, CA

ENVIRONMENTAL

David Robert Smat
MACON, GA
Michael Ray Corn
BRENTWOOD, TN
John Carlton Todd
NEW ORLEANS, LA

Karen Cox Holden
BATON ROUGE, LA
Lynton Bert Irish, Jr.
SHREVEPORT, LA

MECHANICAL

Robert Ervin Fagg
NEW MARKET, MD
Jan David Thomas
MIAMI, FL
William M. R. Greenlees
ODESSA, FL
William Thomas Tinnell
BENTWOOD, TN
Stanton Eldridge Read
MADISON, MS
Gregory Roy Stein, Jr.
INDIANAPOLIS, IN
William Howard Overturf III
ST LOUIS, MO
Richard Michael Kulka
CREVE COEUR, MO
Kelly Ryan Ortigies
OMAHA, NE
Lois Ann Fayerweather
METAIRIE, LA
Robert Rans Dowdy
METAIRIE, LA
Timothy Joseph Ragland
METAIRIE, LA
Joseph Arthur DeCuir
CHALMETTE, LA
Alan James Harris
DESTREHAN, LA
Bryan Joseph Klir
HARVEY, LA
Wayne Michael Weicks
LAPLACE, LA
Mark Allen Weavil
LULING, LA
Clifton Wade Baldwin
WAGGAMAN, LA
Damian John Kulas
NEW ORLEANS, LA
Jack Edward Baum
NEW ORLEANS, LA
Lawrence Emile Bergeron III
THIBODAUX, LA
G. Paul Ferguson
LAFAYETTE, LA
Craig A. Hebert
LAFAYETTE, LA
Edward Henry Hart **
LAKE CHARLES, LA
Martin Gerard DeRouen
SULPHUR, LA
John Michael Norris
SULPHUR, LA
Jeffrey King Brightwell
SULPHUR, LA
Billy Wayne West
WESTLAKE, LA
Louis Chad Watts
PRAIRIEVILLE, LA
Randall Earl Jones
PRAIRIEVILLE, LA
Waseel Ahmad Ansari
BATON ROUGE, LA
Benjamin Franklin Hillman II
BATON ROUGE, LA
Bradley Kevin Blanchard
BATON ROUGE, LA
Blake Randal Duplechin
BATON ROUGE, LA
Timothy John Rhymes
BATON ROUGE, LA
Dirk Edward Smith
BATON ROUGE, LA
Donald Scott Rogers
BATON ROUGE, LA
William Cutler Sharp
BELLA VISTA, AR
Timothy Craig Geary
ROGERS, AR
Andrew Charles Taylor
RUSSELLVILLE, AR
Carl Lewis Eichstaedt, Jr.
TULSA, OK
Kip Douglas Hanzlicek
CARROLLTON, TX
Marvin Hecht
DESOTO, TX

Michael Barr Rugh
HOUSTON, TX
Aparajita Sengupta
HOUSTON, TX
David Lee Coym
KATY, TX

PETROLEUM

Mark Robert Agnew
KENNER, LA
Vincent Joseph Amedee
ABITA SPRINGS, LA
Robert Charles Southard
LAFAYETTE, LA
Jon Blake Shivers
LAFAYETTE, LA
Mark Keith Castell
LAFAYETTE, LA
David Kiser Balusek
LAFAYETTE, LA
Donna Geraldyn Andrus
YOUNGVILLE, LA
Michael Dale Rankin
MANY, LA
Timothy Shawn Schneider
MIDLAND, TX

ENGINEERS IN TRAINING

Hoi Yin Lam
HONG KONG, CHINA
Scott Cibotti
NASHUA, NH
Marshall Nelson Jamshidi
EASTON, CT
Robert Matthew Ferrizz, Jr.
BAYPORT, NY
Kristen Elise Hagerty
CHESTER, MD
Michael Christopher Stone
NEW BERN, NC
Justin Ray Price
CONYERS, GA
Valentin Ronald Rader
ATHENS, GA
Philip Eugene Begley
LINCOLNTON, GA
Amy Angelina MacEwen
MACON, GA
Matthew Neil McCall
JAY, FL
Steven Todd Snigg
CASSELBERRY, FL
Adrian Busch Sherrill
ORLANDO, FL
Mark-Anthony Peter Bray
MIAMI, FL
Louis Michael Lit
BOCA RATON, FL
Bethany Anne Williams
TAMPA, FL
Melissa Shawn Kurtis
CLEARWATER, FL
John James Martin III
SEMINOLE, FL
Jacob Thomas Richardson
PINSON, AL
Terrell Dee Quinn
BIRMINGHAM, AL
Jason Stephen Smith
HUNTSVILLE, AL
Lisha Marie Hudson
CLAYTON, AL
Russell Beal Gardner
SATSUMA, FL
Colin Alexander Davis
MOBILE, AL
Benjamin McMillan Cody
MOBILE, AL
Paul Frederick Crigler
MOBILE, AL
Allan F. Klein
MOBILE, AL
Andrea Leigh Westerhof
WINCHESTER, TN
Deependra Charan
KINGSFORD, TN
Yupeng Wang
MEMPHIS, TN
David Preston Rouch
VICKSBURG, MS
Dwight Lerone Chandler
BRANDON, MS

Philip William Thomas
CLINTON, MS
Maria Soraya Saruff
VICKSBURG, MS
Cynthia Smith Grogan
VICKSBURG, MS
Erin Ruth Shirley
JACKSON, MS
Amy Rebecca Lewis
HATTIESBURG, MS
Clifford Michael McDermott
LUCEDALE, MS
Steven Michael Milinkovich
GULFPORT, MS
Bruce Eric Pfleger
OCEAN SPRINGS, MS
Katherine Alice Wilson
OCEAN SPRINGS, MS
Steve Donald Greer
BOQUE CHITTO, MS
Kevin Demond Burkes
STARKVILLE, MS
Robert Watson McAlpine
LOUISVILLE, KY
Lorina June White
MORGANFIELD, KY
Garrick Bullock Graebe
MANTUA, OH
Justin Ray Lucas
FAIRFIELD, OH
Chris Jeffery Dawson
FT WAYNE, IN
Jeffrey Allen Caldwell
FORT DODGE, IA
Seth Allan Carlson
BIG TIMBER, MT
John Russell Carnahan
ARLINGTON HEIGHTS, IL
Elizabeth Lee Ogren
ORLAND PARK, IL
James Joseph Hoppe
PARK FOREST, IL
Rosafind Kah Agwe-Mbarika
COUNTRY CLUB HILL, IL
Kelly Lee Willis
BELEVILLE, IL
Donald Gene Peacock
MT VERNON, IL
Bryce Scott Zucker
ST LOUIS, MO
Robert Edward McWard
FT LEONARD WOOD, MO
Matthew William Berg
LEAVENWORTH, KS
Walter Cantline Loop **
METAIRIE, LA
Dennis deLaguna
METAIRIE, LA
Travis Lane Combel
METAIRIE, LA
Donald Wilkin Grant, Jr.
METAIRIE, LA
Michael Thomas Dwyer
METAIRIE, LA
Donald Grehan Ellis, Jr.
METAIRIE, LA
Jeffrey Thomas Drouet
METAIRIE, LA
Glenn Lynn Rose Cargel
METAIRIE, LA
Charles Edwin Zimmerman III
METAIRIE, LA
Kenneth Joseph Brooks, Jr.
METAIRIE, LA
Christopher Patrick Fernandez
METAIRIE, LA
Joseph Denton Wright III
METAIRIE, LA
Lonny James Orth
METAIRIE, LA
Paul Gerald Grossimon
METAIRIE, LA
Craig Butler Waugaman
METAIRIE, LA
Don Gerard Barilleaux
METAIRIE, LA
Brian Andrew Florane **
METAIRIE, LA
Joseph Howard Norris, Jr.
METAIRIE, LA
Kristi Lynn Trail
METAIRIE, LA
Richard Brian Wilderman, Jr.
METAIRIE, LA

Donald Joseph Hogan, Jr. DES ALLEMANDS, LA Stanley John Canepa, Jr. ARABI, LA Glenn Michael Hauptmann CHALMETTE, LA Salvador Sai Volpe, Jr. CHALMETTE, LA Gianna Marie Cothren DESTREHAN, LA Brent Paul Waguespack GRAMERCY, LA Christopher Frederick Melling BELLE CHASE, LA Ryan Carl Orgeron GRETN, LA Gerald Meade Wood GRETN, LA Keith Joseph Spampneto GRETN, LA Lori Alison Spear TERRYTOWN, LA Patrick George Gernon, Jr. GRETN, LA Brad Michael Oubre HAHNVILLE, LA Adepe Juneja HARVEY, LA Lance Joseph Baldassaro HARVEY, LA Hung Quoc Tran HARVEY, LA Michael Louis Rodrigue KENNER, LA Paul Morris Simoneaux, Jr. ** KENNER, LA Michael Edward Valentine KENNER, LA Marco Antonio Lagos KENNER, LA Li-Teh Liu KENNER, LA Scott Alan Johnson KENNER, LA Keith Michael Neumann KENNER, LA Jeffery Michael Angelico KENNER, LA Robert Clemente Mendoza KENNER, LA James Bryan Jones LAPLACE, LA Joseph Michael Sparcella III LAPLACE, LA George Augustine Lasseigne IV ** LAPLACE, LA Juan Miguel Jones LULING, LA Edgardo Jose Velez LULING, LA Joel Pastor Rachal LULING, LA David Stephen Haydel, Jr. LULING, LA Christian Boyd Pierce MARRERO, LA Lynell Marie Duhon ** MARRERO, LA Amy Marie Brasset ** MARRERO, LA Kevin Christopher Plaisance MARRERO, LA Stephen Dennis Palazzo MERAUX, LA Gordon Joseph Boudreaux MERAUX, LA James Russell Maurin RESERVE, LA Dalton Joseph Contrelle, Jr. WESTWEGO, LA Ronald Joseph Ryes, Jr. NEW ORLEANS, LA Adam Richard Herman NEW ORLEANS, LA George Conrad Flowers NEW ORLEANS, LA Renaldo Lee Logan NEW ORLEANS, LA Samir Nuruddin Ghadiali NEW ORLEANS, LA Dennis Groome Lambert NEW ORLEANS, LA Theodore Charles Lynds NEW ORLEANS, LA James Franklin Perry NEW ORLEANS, LA Juan Carlos Teruel NEW ORLEANS, LA David John Weiman NEW ORLEANS, LA Mingbo Gu NEW ORLEANS, LA Christopher Mario Rabensteiner NEW ORLEANS, LA Ryan Anthony O'Regan JEFFERSON, LA Sammy Tom ** NEW ORLEANS, LA Anwer Sami Bashi NEW ORLEANS, LA Richard Hampton Wade RIVER RIDGE, LA Shane Subervielle RIVER RIDGE, LA	Jason Allen Ross BATON ROUGE, LA Cyrus Mehdi Motehari RIVER RIDGE, LA Mark Allen Gwaltney RIVER RIDGE, LA Marilyn A. Ricciardi RIVER RIDGE, LA James Anthony Ricciardi RIVER RIDGE, LA Brian Wallace Whitley NEW ORLEANS, LA Kai Zhao Jiang NEW ORLEANS, LA Mark Christopher Latta NEW ORLEANS, LA Michael Kelly Powers NEW ORLEANS, LA John Peter Cavaroc, Jr. NEW ORLEANS, LA Patrick Allen Croley NEW ORLEANS, LA Kevin Patrick Larsen NEW ORLEANS, LA Peter David Guerra NEW ORLEANS, LA Felix Terrence Readus NEW ORLEANS, LA Elizabeth Collier Zellner ** NEW ORLEANS, LA William David Crochet NEW ORLEANS, LA Stephen John Hebert NEW ORLEANS, LA Sandra Iris Holloway THIBODAUX, LA Danny Daniel Temple PIERRE PART, LA Lyle Harold Thomas BERWICK, LA Connie Marie LeBlanc BOURG, LA Chad Joseph Bourgeois DONALDSONVILLE, LA Kelly Jean Bellina DONALDSONVILLE, LA Steven Francis LeBoeuf GRAY, LA Craig Dwain Rogers GRAY, LA Bryan David Thibodeaux HOUMA, LA Ray Joseph Lapeyrouse, Jr. HOUMA, LA Glen Paul Authement HOUMA, LA Daniel Paul Blanchard, Jr. HOUMA, LA William Joseph Cook II HAMMOND, LA Allen Thomas Capdeboscq, Jr. AMITE, LA Scott Orville Jones COVINGTON, LA Mark Gaines Bryan ** LACOMBE, LA Daniel Michael Cousin MADISONVILLE, LA James Carl Potter MANDEVILLE, LA Alicia Armond Fradella PEARL RIVER, LA Brian Heath Sullivan PONCHATOULA, LA Roy Gary Esteven SLIDE, LA Mickey Joseph Authement II SLIDE, LA David Earl McCrary III SLIDE, LA Kevin Kuo Chien Liu SLIDE, LA Donald Scott Esslinger SLIDE, LA Gregory John Henkhaus SLIDE, LA Luis Manuel Luis SLIDE, LA Frank Anthony Maraia SLIDE, LA Jon Martin Shoemaker SLIDE, LA Chetan Chand Kumria MANDEVILLE, LA Christopher Lane Hudson LAFAYETTE, LA Donald James Anderson, Jr. LAFAYETTE, LA Stephen Joseph Guion LAFAYETTE, LA Susan Jones Justice ** LAFAYETTE, LA Michel Anthony Cazayoux ** LAFAYETTE, LA Robert Craig Campbell II LAFAYETTE, LA Miguel Urrutia LAFAYETTE, LA Charles Randall Reynolds LAFAYETTE, LA Haitham Mohamed Shubair LAFAYETTE, LA Christopher Ross Clark LAFAYETTE, LA	Brian Gerard Broussard LAFAYETTE, LA John Lee Abbott LAFAYETTE, LA Ronnie Pierre Provost LAFAYETTE, LA Henry Lastrapes Mayer III LAFAYETTE, LA Gerril Lynn Simon LAFAYETTE, LA Erik Neil Drewry LAFAYETTE, LA Darrell John Delhomme LAFAYETTE, LA Kyle Joseph Marks LAFAYETTE, LA Andre Nole Broussard LAFAYETTE, LA Bryan Cleveland Boyer LAFAYETTE, LA Robert Thomas Parker LAFAYETTE, LA John Saul Prejean ABBEVILLE, LA Chad Joseph Bonvillian BREAUX BRIDGE, LA John Eugene Bosch, Jr. BROUSSARD, LA Troy Christopher Ledet BROUSSARD, LA Blake Anthony Wiltz CARENCRO, LA Dwayne Patrick Breaux CARENCRO, LA Robert Bruce Brown EUNICE, LA Michelle Andrea Perkins EUNICE, LA Brandon Royce Myers EUNICE, LA Andre Joseph Porter NEW IBERIA, LA Lori Annette Lasseigne NEW IBERIA, LA Kelli Alane Breaux ** NEW IBERIA, LA Andy Allen Gardner NEW IBERIA, LA Brad Thomas Bonin ** NEW IBERIA, LA David Jude Braquet NEW IBERIA, LA Harold Joseph Daigle OPELOUSAS, LA Robert Cleve Wight, Jr. OPELOUSAS, LA Roderick Brent Ardoin II OPELOUSAS, LA David Wayne Stout OPELOUSAS, LA Mark Anthony LeBlanc PORT BARRE, LA Dane Louis Domingue RAYNE, LA Kathryn Kara McLeod ST MARTINVILLE, LA Jason Paul Chapman VILLE PLATTE, LA Charles Virgil Jessiard III WASHINGTON, LA Brian Casey Warburton LAKE CHARLES, LA Richard Anthony Tyler LAKE CHARLES, LA Lloyd Raymond Stephens LAKE CHARLES, LA Mirna Martinovic LAKE CHARLES, LA Sean Paul Newell LAKE CHARLES, LA Damon Paul Lechtenberg LAKE CHARLES, LA Scott Alan Hall LAKE CHARLES, LA Matthew Lane Bryan LAKE CHARLES, LA Chad Douglas Coleman LAKE CHARLES, LA Heather Lynn Collins LAKE CHARLES, LA Robert Glenn Bearse LAKE CHARLES, LA Holly Rachelle Simon ** LAKE CHARLES, LA Carrie Louise Baldwin LAKE CHARLES, LA Christopher Scott Dugas LAKE CHARLES, LA Russell William Young LAKE CHARLES, LA Willis Randall Young MOSS BLUFF, LA Russell Clinton Gross LONGVILLE, LA Scott Lamar Maddox ** PITKIN, LA Michelle Lynn Larsen SULPHUR, LA Jason Matthew Krall SULPHUR, LA David Wayne Corley SULPHUR, LA Stacey Marie Delapasse ADDIS, LA	Danny J. Miller BAKER, LA Brad Joseph Antle BUECHE, LA Konan James Marino DENHAM SPRINGS, LA Phillip A. Logsdon GREENWELL SPRINGS, LA Edward Simon Aydel III LIVINGSTON, LA Louis Murrell Marionneaux III LIVONIA, LA Gregory Joseph Knight, Sr. OSCAR, LA Harold Bell Martin, Jr. PLAQUEMINE, LA Ayanne Kytara Davis PLAQUEMINE, LA Andrew Edward Pecquet PORT ALLEN, LA Terry Lynn Dyer PRAIRIEVILLE, LA Eric Paul Amos PRAIRIEVILLE, LA Clay Edwin Hollowell WALKER, LA Tina Dale Hollowell WALKER, LA Shane Matthew Johnson BATON ROUGE, LA Chad Thomas Kirk BATON ROUGE, LA Fenelon Nunes BATON ROUGE, LA Yew Khim Loo BATON ROUGE, LA Yew Sheng Loo BATON ROUGE, LA James Dale Fruge BATON ROUGE, LA Tung Thanh Do BATON ROUGE, LA William Allen Beal BATON ROUGE, LA Jason Wade Bittling BATON ROUGE, LA Lisa Fernandes Madden BATON ROUGE, LA Michael Graham Scheurich BATON ROUGE, LA Christopher James Broders BATON ROUGE, LA Yong Chen BATON ROUGE, LA Enrique Hartmann BATON ROUGE, LA Jeffery Glynn Bostick BATON ROUGE, LA Neal Anthony Boudreaux BATON ROUGE, LA Brad Alan Bokun BATON ROUGE, LA Akram N. Aishawabkeh BATON ROUGE, LA Bijan Seyfzadeh BATON ROUGE, LA Thomas Oliver Smailus BATON ROUGE, LA Maryam Soraya Sabbaghian BATON ROUGE, LA Brian Kay Strupp BATON ROUGE, LA Tracy Etel Morris BATON ROUGE, LA Mickey Lee Robertson BATON ROUGE, LA Robert Joseph Slimp BATON ROUGE, LA Thomas Bernard Shields BATON ROUGE, LA Jacquelyn Michelle Davis BATON ROUGE, LA James Hugh Curry, Jr. BATON ROUGE, LA Rhett Jason Ortis BATON ROUGE, LA Robert Langford Roland BATON ROUGE, LA Mrinal Divjen Desai BATON ROUGE, LA Mrinal Divjen Desai BATON ROUGE, LA Lawrence Edward Broussard BATON ROUGE, LA Laif Christian Wismar BATON ROUGE, LA Trevia Paul Daniels BATON ROUGE, LA Eric Bernard Lewis BATON ROUGE, LA Yvette Diane Morgan BATON ROUGE, LA John Lance Fish BAKER, LA Phillip Michael Dupuis BATON ROUGE, LA Michele Brandolynn Bryant BATON ROUGE, LA Mark David Wakeling BATON ROUGE, LA Dana Beckers Smith BATON ROUGE, LA Shoba Narayanan BATON ROUGE, LA	Carlos Alberto Rosas BATON ROUGE, LA John Ford Gathney BATON ROUGE, LA Bianca Correa Giulio BATON ROUGE, LA John Christopher Goida BATON ROUGE, LA James Ray Carney III BATON ROUGE, LA Thomas Napier Tremblay, Jr. BATON ROUGE, LA Karl Frederick Rothermel BATON ROUGE, LA Mark Alan Perrien ** BATON ROUGE, LA Kurt Eric Carlson BATON ROUGE, LA Thomas D. 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The following article was written by members of the Industrial Advisory Committee, and is intended to provide information concerning the proposed elimination of exemptions in the engineering registration law, and is for discussion purposes only. It is not the position of the Board of Registration, nor is this the final draft. It should be considered work in progress.

If you have any comments, problems, or concerns, please communicate these to your LES Chapter President.

1. Introduction

1.1 The Louisiana State Board of Registration for Professional Engineers and Land Surveyors has a responsibility to register engineers in order to safeguard life, health and property, and to promote the public welfare. The Board is developing a proposal for a long term strategy that will result in more practicing engineers being registrants of the Board, and subject to the laws, rules and standards of conduct administered by the Board. An Industrial Advisory Committee (IAC) of the Board is actively developing this strategy. The IAC has proposed a comprehensive program that includes changes to the law to enable the Board to carry out parts of the proposal. To be effective, the parts of the proposal should be considered together, the proposed changes to the law agreed upon in advance, to minimize additional changes by individual legislators. The organizations represented on the IAC are being asked to co-sponsor the proposed changes to the law.

1.2 The Board has asked the Public Service Commission to arrange discussions with utility company representatives to develop a strategy that will result in their engineers being registered.

2. Background

2.1 Controversy over the registration requirements for engineers in industry resulted in the formation, in early 1993, of an Industrial Advisory Committee (IAC). It includes representatives from the LSBRPELS, LES, CEC, LCA, LMOGA, LABI and LCIA. Representatives from ASME, ASCE, AICHE and IEEE have attended recent meetings in an advisory capacity.

2.2 The IAC developed a strategy to overcome complex problems that had prevented registration of most engineers in industry. The problems have existed in some form ever since the registration law provided for registration of other than civil engineers. To implement part of the strategy, it was necessary to assist industry in understanding the intent of the law and the intent of the Board to interpret and enforce the professional standards dictated by the law to protect the safety and well-being of the citizens of the State. The Committee started as an Ad Hoc Committee and has continued to serve the Board. Many interpretations and definitions of the existing law were addressed and debated in this learning process, with technical and historical guidance from the Board's members and staff.

The perceived "Industrial Exemption" R.S. 37:701(c) states that, except for civil engineering and land surveying, the Chapter (LA R.S. 37:681 through LA R.S. 37:703) shall not apply to, affect, interfere with, or in anywise regulate employees of a firm, or corporation engaged in industrial operations. However, it further states that if any of the activities set forth in the subsection shall fall within the definition of the practice of engineering, such activities shall be under the supervision and charge of a professional engineer duly registered under the provisions of this chapter.

Various interpretations of definitions of certain words and phrases within 37:701.C, particularly the word employees and the phrases practice of engineering and supervision and charge created ambiguities. After much debate the Committee unanimously proposed and the Board adopted Rule 105.J to clarify work "under the supervision and charge of a professional engineer" to be:

1. The work performed by a professional engineer, duly registered under the provisions of this Chapter; or
2. The work reviewed and approved by a professional engineer, duly registered under the provisions of the Chapter, who is authorized to direct changes to the engineering work; or

3. The work performed in accordance with a system of engineering practices approved by a professional engineer, duly registered under the provisions of this Chapter.

This clarification recognized the unique situations that apply to employees of industrial operations firms, as defined in Rule 105, K. The work performed in accordance with a system of engineering practices rule does not apply to:

- An outside third party engineering firm or contractor providing services to the industrial operations firm
- Civil engineering or land surveying work

This clarification was adopted by the Board as a rule and was not required to be brought before the Legislature. Industrial operations firms are not required to be registered as "engineering firms" since they would not be providing engineering to others as a third party consultant. The type or quality of the system of engineering practices was not defined in the rules, and is left up to the professional judgement of the registered professional that is approving the practices on behalf of the firm.

The law/rules require that Registrants shall perform services only in the area of their competence, when qualified by education or experience in the specific field of engineering involved. Registrants are not restricted to practice in the branch for which they took an exam, and the registrant himself, normally determines branches and areas of competence in which he can practice. He is not limited to sealing drawings only in the branch in which he was registered. The Board does not normally determine competency in the areas in which a registrant practices, or can practice.

2.3 In 1994, the IAC received a more global challenge from the Board. The new objective was to make recommendations on how to get more engineers in industry registered, and on signing and sealing of plans in industry. The IAC is developing a proposal for law changes to facilitate registration and increase the percentage of engineering work in industry performed by a registered engineer or supervised by a registered engineer. Only about 30% of the engineers in industry are registered. This new objective does not require that all industry engineers be registered nor does it assume that all work that industry engineers perform is engineering work that requires registration. Accomplishing this new objective would allow the Board to better fulfill its primary mission, which is to protect the public. Requirements for sealing can be handled by rules, and do not require a law change.

The organizations represented on the IAC conducted a survey of their respective memberships in the fall of 1994 to increase our knowledge of the issues that engineers, primarily in industry, face in the registration process. Findings from the survey provided insights to a number of issues involved with the registration process/requirements and confirmed the suspicion that registration is hampered by several issues. Results of the survey are available to interested parties.

The IAC has developed a proposed long-range strategy to eliminate most exemptions. It recognizes the need for specific actions and a transition period that would result in a program to protect the public and be acceptable to most of the representatives of the parties involved.

The strategy includes: communication with and feedback from all affected organizations; requirements for all persons practicing engineering to be registered after a long transition period, improvements to PE exams to make them more applicable to engineers in industry, and work with other states toward uniform laws/rules in these areas.

3. Proposed Law Changes

3.1 The IAC developed a draft of a proposed law addition that will allow certain categories of qualifying engineers to become registered, without exams or with limited examination requirements. The goal of

this "window" is to provide an opportunity for compliance with the law while maintaining the quality and professionalism of the Louisiana engineering community. It also removes those practicing "engineering design for construction or significant alteration of facilities" from all the special provisions for employees of industrial firms, and maintains the requirement that those covered by the special provisions have to be under the supervision and charge of a registered engineer.

It is recognized that changes in corporate structures, combined with mobility in the engineering career field, have put even greater emphasis on the need for engineers to become registered. Following is a summary of the results of the proposed law change:

- It provides a method for engineers in industry to become registered under reasonable rules and schedule. It allows the Board to re-open the grandfather clause for a limited period, and with stricter requirements than previous grandfather clauses.
- It removes all persons practicing "engineering design for construction or significant alteration of facilities" from the special provisions for employees of industrial firms.
- It maintains the quality of the Louisiana State Registration laws and the Board's position regarding professionalism. It will make persons practicing engineering in industry subject to the professional standards and rules of the Board.
- It encourages industrial firms to better utilize registered engineers. It puts a higher value on registered engineers.

It is the goal of the IAC to have draft legislation ready for final review and consideration by November 1996 for the 1997 Legislative Session. The IAC has sought input from the industries affected and from professional societies whose members would be impacted by the proposed changes.

3.2 There are many misconceptions on the question of "qualifications" versus the requirements of the law. The law requires certain achievement by those registered under the law. This does not mean that the individuals who are not registered are not qualified. The qualifications of the individual to do the job assignments they are performing in the plants are well documented, and the plants maintain a quality control system that assures a qualified person is performing the jobs required. The individual engineer's qualifications for future career development, particularly in the area of third party engineering and construction companies is enhanced by being registered. The future employment opportunities are shifting from the traditional long-term permanent employee (graduation to retirement) to greater mobility within the profession regarding job opportunities. The criteria for registration within the state must be maintained at a high level to ensure that the individual has a reasonable opportunity for registration "reciprocity" in other states. This is an incentive for them to take the registration exams as the preferred action rather than applying for registration without all recommended exams.

3.3 There are also misconceptions about liability. An individual engineer has personal liability for his work product. In the case of individuals working for design firms, the corporation usually provides liability coverage for the individual through its professional liability insurance. Some engineers have said, "If I am registered and seal the drawing, I will increase my liability for the work product." This is not the case. If the work product requires a seal under the law or rules and the engineer does not seal it, he is not following the law or rules and therefore increases his liability exposure. If the engineer is not registered and the work product requires a registered engineer to seal the document, he is then violating the law by practicing engineering. Most work products are signed in the title block by the designer and a manager who approves the work product. These signatures in the title block obviously assign a higher degree of responsibility. The sealing of the drawings, or signing as a registered engineer for those instances where the Board rules do not require a seal, would not necessarily increase liability. Regardless of registration, plant engineers and plant managers assume a great deal of responsibility because their actions can impact the public sector within the perimeter of the plant and possibly beyond. The risk management program and other EPA regulations, and the

increased reporting required by the plants, both voluntary and by law, are an indication of their recognition of this potential public liability exposure.

3.4 The intent of the IAC proposal is to provide a method for engineers in industry to comply with the proposed law, with minimum competitive impact to industrial plant operations. Noncompliance with the law may not become evident in routine plant engineering design activities, unless an incident or accident triggers an inquiry such as an OSHA audit or investigation. The evaluation of that potential exposure is with the industrial plant management.

3.5 It should be noted that, contrary to most popular thinking, the sealing of drawings by specific disciplines is not generally required throughout the State. Orleans Parish and East Baton Rouge Parish, other than the industrial area, are the only ones which require sealing by specific discipline. The State Fire Marshal permit drawings must be stamped by discipline. Other than that, any registered engineer, regardless of discipline, can stamp drawings in any discipline, provided he has the personal or professional experience and competency in that discipline to do so.

4. Application of Proposed Law Additions to Employees of the U.S. Government, REA Co-ops and Utility Corporations

The IAC does not specifically represent these groups. However, the special registration provisions in the proposed law addition are not limited to engineers in industry. The Board has asked the PSC to set up meetings with interested parties to develop a strategy similar to the one requiring that engineers in industry be registered. If acceptable, changes similar to those for industry will probably be proposed to R.S. 37:702 (3, 4 & 5).

5. Proposed Additions to Louisiana Registration Law for Professional Engineers and Land Surveyors

Add to R.S. 37:693:

B.(2) (e). On or before December 31, 2000, the Board shall promulgate rules to register an applicant who is a graduate of an approved engineering curriculum of four or more years and which was at the time of the applicant's graduation an ABET (EAC)-accredited curriculum or an equivalent approved by the Board, and that the applicant presents written recommendations acceptable to the Board of at least five professional engineers registered under this Chapter, and that the applicant is of good character and reputation, and:

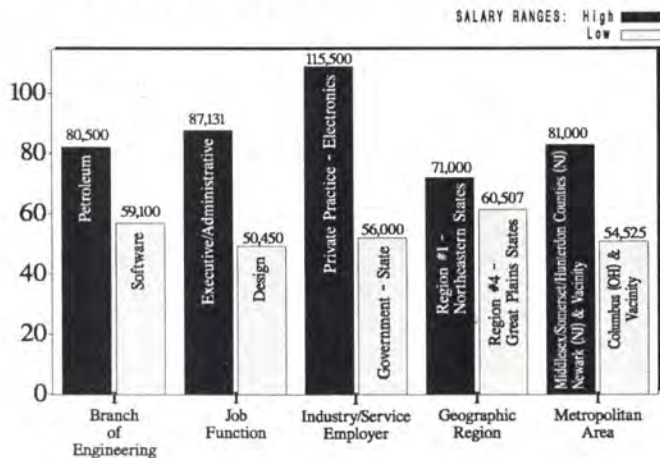
1. that the applicant submits proof that he has had at least twenty (20) years of successful practice as of December 31, 2000 in responsible charge of engineering work satisfactory to the Board without written examination, or
2. that the applicant submits proof that he has had at least ten (10) years of successful practice as of December 31, 2000 in responsible charge of engineering work satisfactory to the Board, who has passed a written examination in the principles and practices of engineering approved by the Board, or
3. that the applicant submits proof that he has had at least fifteen (15) years of successful practice as of December 31, 2000 in responsible charge of engineering work satisfactory to the Board, who has passed an examination designated by the Board in its rules, and who meet all other requirements the Board may designate in its rules for applicants in this category.

The Board shall require, by adopting rules and regulations, that applicants allowed by this subsection meet significantly more restrictive requirements when applying for registration in civil engineering than those required for registration in other branches.

Add to R.S. 37:701 (at end of paragraph C):

In addition, after January 1, 2003, this subsection shall not apply to persons practicing engineering design for construction or significant alteration of facilities, who must at all times comply with the provisions of this chapter. *LE*

1996 NSPE NATIONAL SALARY SURVEY



1996 NSPE Salary Survey

These figures represent an increase of 2.8% in median income. During the same 12-month period, the Consumer Price Index (CPI) rose 2.7%. The NSPE survey is based on a questionnaire mailed to 52,398 non-student, actively employed NSPE members in January 1996. The results are based on 9,067 usable returns.

Income is defined in the survey as the individual's annual base salary from the primary employer as of January 1, 1996, plus fees, bonuses, and commissions during the preceding 12 month period, but excluding pay and income from secondary or part-time employment. Also in the full survey report are additional data including cross tabulations of the basic variables, such as income by years of experience and level of education. The full report, *NSPE Professional Engineer Income and Salary Survey - 1996* (Pub. No. 0069) is available for \$50 to NSPE members and \$120 to non-members from the NSPE Orders Dept., 1420 King Street, Alexandria, VA 22134-2715.

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Biographies

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ing. Although president of the firm, Nicoladis remains in the mainstream of all firm activities. He provides technical and managerial oversight services on all of N-Y's projects. Some of his primary concerns are seeing that projects are adequately staffed and that the firm's quality control standards are adhered to during the design process. He also ensures that the client's schedule and budget are met. Nicoladis is also extremely active at the national organization level serving as a member of the American Consulting Engineers Council's (ACEC) Federal Agencies Liaison Committee for four consecutive years. He is serving his first year as a member of the ACE/PAC Board of Trustees. He also served on the ACEC Membership Committee for four years. He has already attended two ACEC Leadership conferences, and national meetings designed to assist incoming officers to understand and meet their organizational responsibilities. Besides his service on the CEC/L Board of Governors for several years, Nicoladis has been active in a number of other organizations including the Water Environment Federation and recently received the Presidents Award for 29 years of Outstanding Service in Water Quality; American Waterworks Association, American Public Works Association, the Louisiana Engineering Society, National Society of Professional Engineers, American Planning Association, and the American Society of Consulting Planners. He is also listed in *Who's Who in Engineering* (AAES) and *Who's Who in the South and Southwest* (Marquis). He is married to the former Peggy Yemelos, and they have three children, two of whom are members of his firm.

Anthony F. Goodgion, P.E.

Anthony F. Goodgion, P.E. was elected to serve this year on the Board of Governor as a Member-at-Large. He is a native of New Orleans (Algiers) and graduated from Archbishop Shaw High School in 1975. He received a Bachelor of Science degree in Civil Engineering from Louisiana State University in 1983. During his senior year he was Vice President of the student chapter of the American Society of Civil Engineers (ASCE). Goodgion holds a Professional Engineers's License in the states of Louisiana, Tennessee and California. He also holds a private pilot's license. While a student at LSU, Goodgion worked as a structural steel and pipe fitter for Strike N Arc Fabrication Company to offset his college tuition. Past employment includes Domingue, Szabo and Associates, Inc. of Baton Rouge and Lafayette, Louisiana; and The Pickering Firm, Inc., Memphis, Tennessee. He is Vice President with Linfield, Hunter & Junius, Inc., where he has been employed for five years. Goodgion is a member of the American Society of Civil Engineers (ASCE), American Concrete Institute (ACI), and is a past president of the New Orleans Chapter of Consulting Engineers Council of Louisiana (CEC/L). He has also been active in the Big Brothers/Big Sisters program in the greater New Orleans area. Goodgion and his wife, the former Elizabeth Schwarz, a practicing physician, reside in Belle Chasse, Louisiana. They have two young daughters, Joanna, age five and Julia, age four.

John W. Holtgreve, Jr., P.E.

John W. Holtgreve, Jr., P.E. was re-elected Member-at-Large, having served last year on the board in that position and three years ago as President of the CEC/L New Orleans Chapter. He is Vice President of Design Engineering, Inc., a Metairie based consulting firm providing services in civil and structural engineering, economic analysis and project development. Holtgreve attended Tulane University where he earned a Bachelor of Science degree in Civil Engineering in 1970 and a Master of Science degree in Civil Engineering in 1975. Licensed in the State of Louisiana, he holds membership in the American Concrete

Institute, American Water Works Association, American Public Works Association, Water Environment Federation, and the National Society of Professional Engineers. He is Past Director of the Louisiana Section of the American Society of Civil Engineers, Past President of the Society of Tulane Engineers, and a past member of the Board of Advisors, Tulane University School of Engineering. He is married to the former Cheryl Ann Cerise, and they have two daughters, Paige and Mary.

Charles S. Hedges, P.E.

Charles S. Hedges, P.E. is Chief Engineer of Soil Testing Engineers, Inc., Baton Rouge, Louisiana, a multi-discipline consulting firm specializing in geotechnical engineering, groundwater engineering, and waste engineering. He was graduated from Georgia Institute of Technology in 1956 with a Bachelor of Civil Engineering degree and in 1961 with a Master of Science in Civil Engineering. He specializes in geotechnical engineering. Hedges has been elected to serve CEC/L as a Member-at-Large. He has served in the past as president of the New Orleans Chapter, Member-at-Large, Secretary, Treasurer, and Vice President. In 1988-1989, he served as President of CEC/L. He is a member of the Louisiana Engineering Society, the American Society of Testing and Materials, International Society of Soil Mechanics and Foundation Engineering, American Society of Civil Engineers and the American Society of Quality Control. He is also a member of Sigma Xi, honorary research fraternity. His wife, Patricia, is a practicing attorney and an elected District Judge in the 22nd Judicial District. They have three children. Paula is working in Washington, D.C., Ellen works in Johannesburg, South Africa for Mattel Toys, and Lloyd is a pilot for American Eagle. Hedges is a licensed professional engineer in Louisiana, Mississippi, Illinois, Georgia, Florida, Tennessee, Arkansas, and Indiana.

Ronald L. Boutte', P.E.

Ronald L. Boutte', P.E. will serve the Council this year as Member-at-Large, having served on the board several years ago as Shreveport Chapter President. He is Vice President of John J. Guth Associates, Inc. a consulting firm offering services in mechanical and electrical engineering for air conditioning, heating, ventilating, refrigerating, plumbing, fire protection, solar energy, energy conservation, and process piping, electrical and communication systems for commercial, industrial, institutional, municipal and military projects. He graduated from Louisiana Tech with a Bachelor of Science in Electrical Engineering in 1963 and is licensed to practice in Louisiana. Boutte' is a member of the Louisiana Engineering Society, National Society of Professional Engineers, American Society of Heating, Refrigerating and Air Conditioning Engineers, Society of Military Engineers, and the Society of Fire Protection Engineers. He is Past President of the Shreveport Chapter of LES; Past President of the Board of Directors, Volunteers of America, Shreveport Branch; member of the Board of Directors, Goodwill Industries, North Louisiana; a member of Rotary Club of Shreveport; and a past member of the City of Shreveport Electrical Board. He is married to the former Susan E. Savoy, and they have two daughters.

Joe H. Harman, P.E.

Joe H. Harman, P.E. has been re-elected to serve on the CEC/L Board of Governors as Member-at-Large. He received a Bachelor of Engineering degree from Vanderbilt University in 1965 and a Master of Science degree in Environmental and Water Resources Engineering from Vanderbilt University Graduate School in 1972. Professionally licensed in the states of Louisiana, Tennessee, Alabama, and Mississippi, Harman is Executive Vice President of Professional Engineering Consultants Corporation, Baton Rouge, a consulting engineering firm specializing in civil engineering (municipal, structural, sanitary,

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Biographies

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drainage, flood control, highways, bridges), electrical engineering and surveying. He also holds membership and is active in the American Society of Civil Engineers, the Society of American Military Engineers, Water Environment Federation, the American Water Works Association, and the National Society of Professional Engineers. He is currently serving on the Environmental Committee of the American Consulting Engineers Council. Harman is married to the former Alice Elaine Turner, and they have three children.

Gerald A. Dubroc, P.E.

Gerald A. Dubroc, P.E. was elected to serve CEC/L as Member-at-Large. He is Founder and President of Dubroc Engineering, Inc., Consulting Engineers and Land Surveyors, Lafayette, Louisiana, a consulting firm offering services in Civil and Environmental Engineering and Land Surveying. Projects have included construction and rehabilitation of urban arterial streets and bridges; rural highways; major drainage, sewer collection and water distribution systems; subdivision and apartment developments, as well as numerous property surveys. Dubroc received his B.S. in Civil Engineering in 1960 from the University of Southwestern Louisiana and is licensed to practice engineering in Louisiana and Mississippi, and Land Surveying in Louisiana. He is a member of USL Foundation, serving as a Trustee, former board member of the USL Alumni Association, Lafayette Chamber of Commerce, American Society of Civil Engineers, Louisiana Engineering Society, National Society of Professional Engineers, Louisiana Society of Professional Surveyors. He is also active in the American Consulting Engineers Council, LeTriomphe Country Club, Honor Member of the USL Chapter of Chi Epsilon, Tau Beta Pi, and Phi Kappa Phi. An avid, though marginally proficient, golfer, he is vice president of the LeTriomphe Senior Men's Golf Association. He is married to the former Diane Ducote, and they have six children and seven grandchildren.

James P. Ledet, P.E.

James P. Ledet, P.E. has been re-elected to serve on the CEC/L Board of Governors as Member-at-Large, representing the Houma area. He is Project Engineer with T. Baker Smith & Son, Inc., a multidisciplinary consulting engineering and surveying firm in Houma specializing in streets, roads, bridge designs, construction supervision, gas, water, sewerage and utility designs and supervision, all types of field surveys, and environmental research and environmental impact assessments. A licensed professional engineer in Louisiana and Mississippi, Ledet received his B.S. degree in Civil Engineering from Louisiana State University in Baton Rouge in 1982 and is a member of the Louisiana Engineering Society (serving as Bayou Chapter President in 1989), the National Society of Professional Engineers, and the American Society of Civil Engineers. In 1992, he was appointed Public Works Director for Lafourche Parish, the first registered engineer ever to serve in that position. He was also the 1995 recipient of the James M. Todd Technological Accomplishment Award presented by the Louisiana Engineering Society for work in hydraulics. He is married to the former Louise Richard, and they have one son, Matthew.

Ara Arman, P.E.

Ara Arman, P.E. was recently elected by his peers to serve on the Board of Governors as president of the Baton Rouge Chapter. He is Vice President and Principal of Woodward-Clyde Consultants, a national firm offering services in air pollution control, chemical processing and storage, conservation and resource management, OSHA studies, soils and geologic studies, and ecological and archaeological investigations. A registered professional engineer and surveyor in

Louisiana, Arman received a B.S. degree in Civil and M.S. in Civil Engineering from the University of Texas in 1956. He began his professional career as an Assistant Project Engineer with the Louisiana Department of Highways in 1956. In 1963, he was hired as an Assistant Professor, LSU College of Engineering. He was associated with university, ultimately becoming the Associate Dean for Instruction and Undergraduate Studies for the College of Engineering until he went to work as a consultant for Woodward-Clyde in 1991. His area of practice is in geotechnical and geosynthetics engineering, with specific experience in soil lime/cement/fly ash stabilization of soils and sludges, foundations of large structures, bridges, overpasses, landfill design closures, permits and permit modifications, and construction Quality Control. He has designed and/or provided quality assurance and construction management services for a number of solid and hazardous waste landfill projects. Arman is a Fellow of the American Society of Civil Engineers and Professor Emeritus of Civil Engineering at LSU. He also holds membership in the International Society for Soil Mechanics and Foundation Engineering, Chi Epsilon, American Society for Testing and Materials, International Geotextiles Society, Louisiana Engineering Society, National Academy of Science, Transportation Research Board, American Road and Transportation Builders Association and the American Concrete Institute. He is recognized by Who's Who, American Men of Science, Men of Achievement (Cambridge, England), Phi Kappa Phi, Tau Beta Pi, International Who's Who in Engineering and the Directory of International Biography (Cambridge, England).

David E. Lourie, P.E.

David E. Lourie, P.E. was elected by his peers to serve on the Board of Governors as president of the New Orleans Chapter. He received his B.S. and M.S. in Civil Engineering (with concentrations in Construction Management and Geotechnical Engineering) from the Illinois Institute of Technology. He also has completed the 40-hour OSHA training program for hazardous waste site workers and the 8-hour OSHA supervisory training program. Lourie began his professional consulting engineering career in 1979. Prior to establishing his own firm, Lourie Consultants in 1992, he spent nine years directing the technical and financial operations of an international consulting firm's multiple-office practice in Louisiana. His client services include developing, performing, and supervising geotechnical programs for large, heavy, and settlement-sensitive industrial plant structures. He also conducts investigations and engineering studies to assess failure causes and identifies remedial measures for sheet pile walls, earth slopes, earth levees, and pavement systems. Registered to practice in Louisiana, Lourie has been an adjunct associates professor at Tulane University and visiting lecturer at McNeese State University. He is an active member of the Louisiana Engineering Society, National Society of Professional Engineers, American Society of Civil Engineers, Consulting Engineers Council, ASFE: Professional Firms Practicing In Geosciences, and Chi Epsilon. He has co-authored technical papers about coal mine waste material disposal, using electric cone penetrometers, building large tanks on very weak soil, soil sampling, and expansive clays.

Calvin Courville, P.E.

Calvin Courville, P.E. will serve a third year on the CEC/L Board of Governors as Lafayette Chapter President, having been duly re-elected by his peers. Licensed to practice in the State of Louisiana, he graduated from the University of Southwestern Louisiana in 1961 with a Bachelor of Science degree in Civil Engineering. He is Chairman of the Board of the Lafayette firm, Domingue, Szabo & Associates, Inc., which offers civil, structural, environmental engineering and land sur-

Continued on page 20

Member Placement Service

Participation in the LES Member Placement Service program is offered at NO CHARGE to members in good standing (current year dues paid). Qualified members seeking employment in engineering positions may submit a "positions wanted ad" of 50 words or less. Ad must contain the following: position desired, brief description of experience, years of experience, degree (specialty or major, name and location of school), license type, and relocation status (if desired). A code number will be assigned to your ad in order to protect the confidentiality of your search for employment. NOTE: DO NOT SEND RESUMES! Only ads of 50 words or less, containing the information requested, will be accepted.

Submit ads to: Louisiana Engineer, ATTN Classified/MPS, P. O. Box 2683, Baton Rouge, LA 70821. For additional information, call the LES office at (504)344-4318. You may fax your ad to LES at (504)344-4319.

Employer: If you are interested in speaking with any of these or other LES member candidates seeking employment, please complete this form and mail to LES, P. O. Box 2683, Baton Rouge, LA 70821 or fax to (504)344-4319.

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I understand that my company will be charged a \$75 administrative service fee upon confirmation that a qualified candidate has secured employment with my company through this Service.

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POSITION WANTED ADS

(Current as of August, 1996)

#5952

Electrical Engineer, seeking entry level electrical engineering position. Experience has been primarily oil field related. Presently employed by an international oil field service company as a field engineer. Have worked in electronics maintenance as a summer internship and also as an electrician's helper in a temporary summer position. Graduated from LSU in 12/94 with a BS degree in electrical engineering, registered EIT.

#6961

Chemical Engineer, E.I.T., BSChE-Louisiana Tech - 1995, seeks entry level position. Currently working for software company as production assistant, one summer land surveying, and two years bookkeeping and manager of photography company. PC experience including MS Windows, Word, and Excel. Available to relocate and travel if necessary.

New Registrants

Continued from page 13

Wyatt Aaron Hassel
LA GRANGE, TX
Luis Dario Fernandez
LUBBOCK, TX
Amy Kilitke Johnson
MONAHAN, TX
Erick Aaron Lewark
ARVADA, CO

Daniel Alan Wolf
DENVER, CO
Daryl James Burnette
PEORIA, AZ
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Tit-Chong Ma
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Application for Architectural/Engineering Services will be accepted until 4:00 p.m. Monday, September 9, 1996, for the following project:

1. Louisiana Engineering Foundation (LEF), Engineering Center, Baton Rouge, LA. This project consists of a new operational center facility serving Engineering and Associated organizations' staff and archival records. The building will consist of a minimum of 4,000 sq. ft. with associated parking area estimated to be on a minimum 1 acre sight. The designer shall prepare and submit all required drawings to the LEF in AutoCAD Release 12 or 13 on 3.5" DS, HD diskettes. A short list of firms submitting the necessary forms will be required to make a presentation to an A/E Selection Committee appointed by the Louisiana Engineering Foundation. Further information and the required forms for application are available from:

Mrs. Ann Forte Trappey, P.E., Secretary of the Louisiana Engineering Foundation, c/o Post Office Box 64844, Baton Rouge, Louisiana 70896, phone number 504-927-9321.

The award of the project is contingent upon funds available. A fund raising effort is currently underway. The LEF shall incur no obligation to the Architect/Engineer firm until the Contract is fully executed.

Architectural/Engineering firms must be registered under their group name if applying as a group, not just as individual architects/engineers.

Applications shall be mailed or delivered to:

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Biographies

Continued from page 18

veying services to public, private and industrial clients. Courville is a member in the American Society of Civil Engineers, National Society of Professional Engineers and the Louisiana Engineering Society. He and his wife, the former Lou Fontenot, have four children.

E. Louis McGee, P.E.

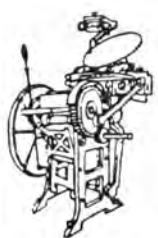
E. Louis McGee, P.E. was re-elected to serve on the board as the president of the Shreveport Chapter. A native of Gilmer, Texas, he received a B.S. in Civil Engineering from Texas A & M University in 1956. A registered professional surveyor in Louisiana and Texas and a registered professional surveyor in Louisiana, McGee has been with Demopulos & Ferguson Associates, Inc., Shreveport, for 34 years where he had been Design Engineer, Project Engineer, Project Manager, and Vice President. He has worked on every highway project undertaken by Demopulos & Ferguson since 1963 including I-20, Bossier City to Minden and four design sections of I-49, Opelousas to Shreveport. He currently is president of the firm. Demopulos & Ferguson Associates, Inc. offers complete civil and structural engineering services including highways, bridges, railroads, airports, water supply, treatment and distribution, solid waste disposal and flood control. McGee is a member and past President of the Shreveport Branch of the American Society of Civil Engineers (1969-1970), and member and Past President of the Shreveport Chapter of the Louisiana Engineering Society (1975-1976). He is a member of the Shreveport Rotary Club and serves on the Administrative Board of the Noel United Methodist Church. He and Frances, his wife of 38 years have three daughters.

Arthur E. Meyer, Jr., P.E.

Arthur E. Meyer, Jr., P.E. has been re-elected president of the Alexandria Chapter, having served as Member-at-Large two years ago. Meyer is Secretary-Treasurer and Civil Division Director of

Meyer, Meyer, LaCroix & Hixson, Inc., Consulting Engineers and Land Surveyors, Alexandria, Louisiana. He received his Bachelor of Science degree in Civil Engineering from Louisiana Polytechnic Institute in 1956 and served as a Civil Engineering Officer in the United States Air Force in the 1950s. Meyer is a Registered Professional Civil Engineer in Louisiana and Texas and is a Louisiana Registered Land Surveyor. He is also a certified fallout shelter analyst. He has served on the CEC/L Board of Governors as President of the Alexandria Chapter, Member-at-Large, Secretary, Treasurer, Vice President, President-Elect, President in 1987-1988 and National Director. He has served on several important committees during those years including Ways & Means Committee (chairman), the Legislative Committee, Rule 1 Ad Hoc Committee, the Joint Professional Societies (CEC/L-LES-ASCE) Committee and the CEC/L Transportation Committee. He is a member of the National Society of Professional Engineers and the Louisiana Engineering Society (Past President of the Alexandria Chapter). Meyer is Past State Chairman of the Louisiana Engineering Society's Engineers in Private Practice Division and LES/PEPP Water Determination Committee and is active in the American Society of Civil Engineers. He is a past member of the NSPE Construction Grants & Loan Committee and served on the Budget Finance Committee of the American Consulting Engineers Council in 1984 and 1986. He is a professional member of the Construction Specifications Institute, Associate Member of the Society of American Military Engineers, and a member of the Louisiana Airport Manager's Association. He is certified to perform value analyses of engineering projects. Meyer is a member of the Central Louisiana Chamber of Commerce. He is chairman of the Streets & Highways Committee and is past chairman of the Chamber's Aviation Committee. He is a member of the Alexandria Exchange Club (board member 1987-1989) and the Alexandria Golf & Country Club (president, 1980 and 1981). He was honored as the 1987 Executive of the Year by the LaPine Chapter of Professional Secretaries International. He is a licensed active private pilot. Meyer and his wife, the former Karen K. Burnaman, have five children. LE

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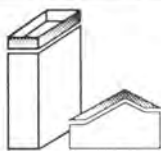
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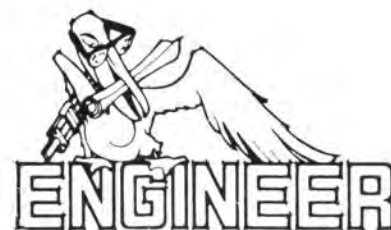
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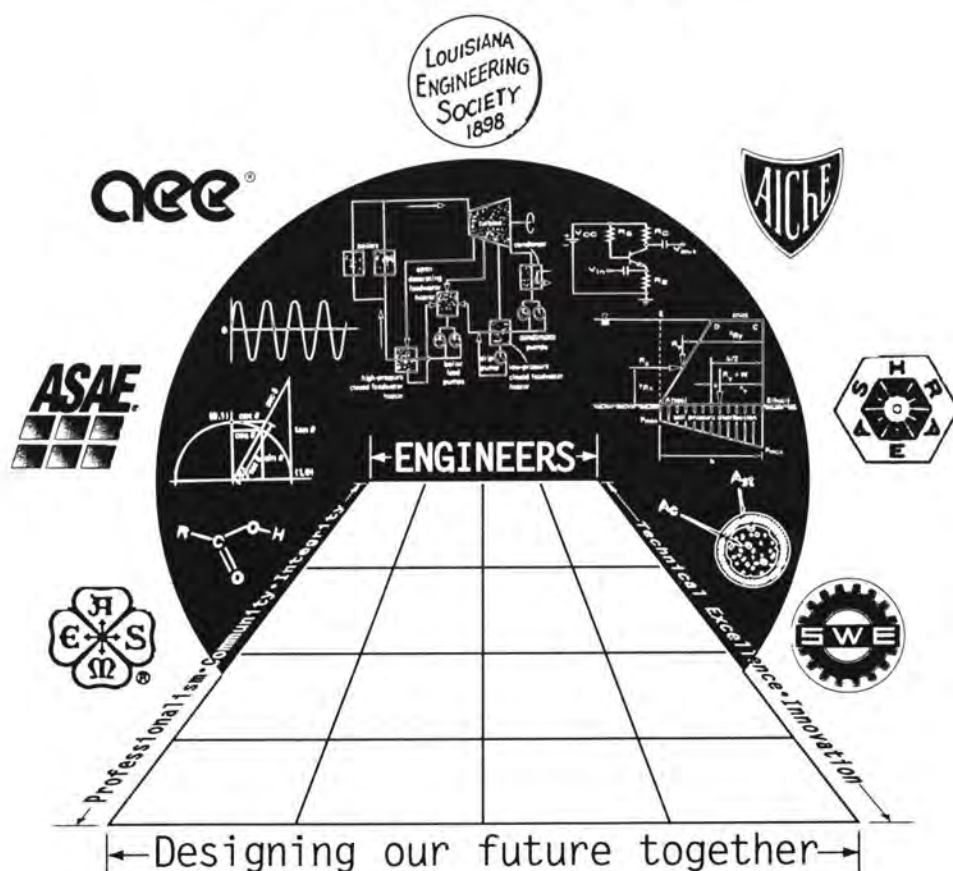
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First Louisiana Joint Engineering Societies Conference



November 7-8, 1996
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Inside This Issue . . .

- ❖ LES/Joint Engineering Societies Conference — *see enclosed brochure*
- ❖ LES Order Form — *see back cover*



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The Louisiana Engineering Society will be recognized as providing professional leadership to the individual engineer and related engineering contemporaries.

Mission Statement

The Louisiana Engineering Society is dedicated to the advancement of the engineering profession by pursuing an active leadership role through:

1. Providing avenues for members to elevate their skills, competencies and ethics.
2. Communicating that engineering work must be performed by a professional engineer or supervised by a professional engineer.
3. Public awareness activities.
4. Services to the public and profession.
5. Advocating registration of all engineers.
6. Recognition of engineering achievements.

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Engineers ... Designing our Future Together

The topic of this month's article is the Theme for the first Joint Engineers Conference scheduled for November 7 & 8 in Kenner, La. at the Radisson Hotel. With the changes that are occurring in the engineering profession, and those that are anticipated to happen in the future, it is imperative that engineers proactively participate in shaping their profession. In this edition of the La. Engineer you will see the fruits of the labor of several of your colleagues in forming a conference that touches all technical disciplines, provides an opportunity to develop non-technical but professionally critical skills and the opportunity to assess the products displayed by participating vendors.

The concept to produce this Joint Engineering Conference originated at a previous Long Range Planning Committee meeting in which the LES Mission was modified to align with the present and transition to the future state of its members. It was recognized that LES was not providing members the opportunity to elevate their skills, and although it is not mandatory at this time, there is a high probability that the near future will find engineers 'mandated' to obtain Professional Development Hours (PDH's) as a requirement for maintaining registration. While we can debate the pros/cons of this issue, we must have the infrastructure in place to provide engineers with the opportunity to earn PDH's when this occurs. At previous LES state meetings, educational sessions were provided to LES members. This joint conference is the inaugural attempt to provide this to all engineering disciplines.

In reviewing the agenda and sessions for the conference I hope you can appreciate the diversity and commonality being provided the engineering profession. On Thursday a facilitated roundtable discussion involving all participating engineering organizations will address and discuss issues/concerns that are adversely affecting all engineering volunteer organizations. The synergy and experience of the group will hopefully result in the development of new methods, concepts and ideas that will enable each organization to become more effective in meeting the needs and concerns of its members.

A townhall meeting involving the Industrial Advisory Committee (IAC) and the State Board of Registration will discuss the current status of the proposed changes to eliminate exemptions

in the registration law. Participants will be provided the opportunity to question and voice their opinion concerning the proposed change. With the changes in organizational structures of major corporations (downsizing, rightsizing, flattening of organizations, etc.), this has resulted in many engineers being displaced. This coupled with the futuristic vision that most professionals will be Independent Economic Units (self-employed) it is essential that we provide for this future in a planned, orchestrated and managed process. The engineering registration law may ultimately effect the lives of all engineers. We need to manage this transition properly, and ensure fairness to all concerned stakeholders. There has been considerable debate over the last few months, and the IAC recommendations were described in last edition's Issue Corner. I encourage you to attend this session and participate in the debate.

Of additional interest is the proposed new licensure model that was proposed and endorsed by the National Society of Professional Engineers at the Boston meeting. National Council of Examiners for Engineering and Surveying (NCEES) chose not to act upon the model at their meeting, so that more time would be allowed for digesting the concepts. Incidentally, AIChE has endorsed the new model. I will keep you informed of further changes/revisions to the model, and if NCEES endorses the concept.

Thursday night after the cocktail hour there will be a joint engineering presentation concerning the Board of Registration for Professional Engineers and Land Surveyors. How is the Board elected, what are its responsibilities, what is its mission, how does it effect the engineering profession, etc. This is a unique opportunity to hear how the Board operates and functions.

On Friday, five concurrent sessions are provided that will hopefully be of interest to all engineering disciplines. The diversity of the technical and professional sessions coupled with the vendor displays should provide an excellent learning opportunity for all concerned.

Because of the number of participating organizations I encourage you to make your reservations as soon as possible, and I look forward to a successful conference and what we hope will be an annual event! Join us at the Conference and participate in shaping your profession! *LE*

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New Orleans Engineer Receives National Community Service Award

New Orleans professional engineer and businessman Peter R. Quirk has been awarded the American Consulting Engineers Council's (ACEC) Community Service Award for his role in making the New Orleans area a better place to live. This award is significant in that it recognizes not only those who excel in the engineering profession, but those who adapt the skills and values learned and practiced as an engineer into service in their community.

Quirk, of Walk, Haydel & Associates, Inc., is active in the United Way of Greater New Orleans, serving as a member of the Board of Directors, Chairman of the Red Cross/United Way Task Force and General Campaign Chairman. He is also involved in the New Orleans Chamber of Commerce as a member of the Executive Committee. He serves as Vice Chairman of the Chamber's Economic Development Council Metro Vision

Task Force — Chemical Industry.

Quirk served on the Board of Governors of the Consulting Engineers Council of Louisiana (CEC/L) for several years and was the Council's 1982-1983 President. He has served on a number of state and national organization committees since then. During his term as President, he singlehandedly planned the 1983 CEC/L Annual Meeting which was held in Cancun, Mexico. A major effort on his part yielded highly successful results. He has won accolades from his peers as a community leader when he received, in 1989, CEC/L's A.E. Wilder, Jr. Award for Outstanding Services, Phi Kappa Theta National Foundation's Man of Achievement Award, and the Volunteer Activist Award. He has also been elevated to the prestigious level of ACEC Fellow. Quirk was honored when the award was presented recently at ACEC's Fall Conference in Rapid City, South Dakota.



Californial Says "Thanks"

In a letter to CEC/L's Exec from Paul Meyer, Treasurer of California's Taxpayers Fed Up With More State Bureaucracy, CEC/L members who contributed more than \$4,500 to fight the PECG Initiative were commended for their assistance. Says Meyer, "Please convey to your members the gratitude of their California colleagues for

their contribution to the campaign to defeat the odious PECG initiative. Thank you personally for your help in generating the contribution.

The PECG initiative has now officially qualified for the June 1998 ballot. Unfortunately, that means that PECG will collect its regular gross monthly dues of \$400,000 for quite some time. By the time of the ballot we expect them to stockpile several million dollars for a mass media campaign.

We are very pleased that the consulting engineers in Louisiana understand that this particular issue is so horrific and devastating that it truly transcends state boundaries...Thank you again for your help.



While We're on the PECG Initiative...

To refresh your memory, the PECG initiative which will be a Constitutional Amendment on the June 1998 ballot would require all state projects, and all local government and private projects that have state money, responsibility or liability, to be submitted for a design fee cost evaluation. The evaluation, to be conducted by the State Controller, would determine which, state employees or private firms, could conduct the project's design more economically. The evaluation, as structured, is heavily biased toward state employees doing the work, meaning that private firms would most likely no longer be

able to do these types of projects in California. In addition, even if the analysis is determined to favor private firms, the selection would be mandated to be made based on price, and price alone. Qualification Based Selection in California would be eliminated. The proposal also applies to architectural, engineering geology, surveying and landscape architecture services.

In an August 20th announcement, the California Secretary of State's office stated that the PECG "Stacked Deck" initiative will officially appear on the June 2, 1998 ballot. The date will change only if, for some reason, the Governor were to call a special election prior to June 2, 1998. In announcing the official qualification of the initiative, the Secretary reported that 56 of the 58 counties had reported their valid signature counts and that those 56 counties reported a total of 704,751 valid signatures. PECG needed a minimum of 693,230 valid signatures to qualify the initiative for the ballot. At the time of the announcement, two counties, Kings and Contra Costa, had still not reported their counts. Statewide, PECG submitted 1,201,754 gross signatures.

It is now impossible for PECG to withdraw the Stacked Deck initiative. PECG has no power to cause a withdrawal, and the initiative will be on the ballot. As a constitutional amendment, Stacked Deck will supersede all existing procurement statutes and regulations in California. If the initiative

passes on June 2, 1998, it will take full effect the very next day. That means if PECG is successful, on June 3, 1998, pending and future design contracts in California involving private parties, local public agencies and state agencies will be put into immediate jeopardy.

CEC/L will follow this battle as it unfolds in the future and will report to the engineering community on a regular basis.



Congress Orders Corps of Engineers to Increase UYse of Privated Sector

As reported in a recent issue of ACEC's newsletter, "The Last Word", Consulting Engineers Council of

Louisiana and the American Consulting Engineers Council fought for and won legislative report language in H.R. 3816, the Energy and Water Development Appropriations Bill for FY 1997, requiring the U.S. Army Corps of Engineers to increase the use of private sector expertise in planning, engineering and design work for Corps projects. In addition, the report language reiterates congressional policy in support of the Qualifications-Based Selection process. Charles E. Meyer, P.E., Meyer Engineers, Ltd., Metairie, Louisiana, worked closely with Rep. Bob Livingston (R-LA) to add the report language to the appropriations bill. H.R. 3816 is currently pending before a House/Senate conference committee.



In Memoriam . . .

Consulting Engineers Council of Louisiana notes with much sadness the passing of a great individual.

C. CARTER BROWN, P.E., co-founder of the consulting engineering firm of Brown & Butler, Inc., Baton Rouge, Louisiana, died on Thursday, September 5, 1996. He was 83 years old and is survived by a beautiful family which includes his best friend and wife of 62 years, Sylvia, a son, Carter Gass Brown (Jackson, MS), a daughter, Ellen Brown Swinger (Lafayette, LA), five granddaughters, and three great-grandchildren.

Mr. Brown was recently honored by the American Consulting Engineers Council at its Annual Convention when he was named the well deserved 1996 recipient of the

most prestigious ACEC Past Presidents' Award for many years of outstanding contributions to the Council. Tributes to Mr. Brown were published in recent issues of the CEC/L newsletter, "The Pipeline", and the Louisiana Engineer magazine.

Carter Brown was an outstanding human being and Christian. Though we rejoice in his passing, we will deeply miss him as a genteel person, loving and caring father, ethical professional, faithful husband and friend. Profound condolences are offered to his entire family.

"I am the resurrection and the life; he who believes in me, even if he die, shall live; and whoever lives and believes in me, shall never die."

John 11:25-26

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HOW DO I SIGN UP? For membership verification purposes you must contact Jennifer Griffin or Shannon Saucier, our BellSouth Mobility Representatives to be eligible for this offer. Certain credit requirements and contract restrictions apply.

For Greater Baton Rouge area, please call **Jennifer Griffin** at (504) 978-1500 or fax the form below to (504) 296-4238.

For Ascension Parish area, please call **Shannon Saucier** at (504) 647-3219 or fax the form below to (504) 644-0391.

For Lafayette, Hammond, New Orleans and surrounding areas, please call or fax either of the above.



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Address: _____

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Social Security No: _____ Driver's License No: _____

Society News ❖ Chapter Reports

❖ Baton Rouge Chapter ❖

by Richard Savoie, P.E. - Chapter President

The Baton Rouge Chapter is busy with the membership committee working on sponsorship of new members and also existing members. Through the use of telephone new and existing members are being contacted to inform them of upcoming events and programs (Mathcounts, LSU student jambalaya, and monthly meetings). We hope to retain more of our membership and spread the word of the Society through this process.

Correspondence between our chapter and the LSU Engineering Council is proceeding with emphasis on student membership in LES. Myself and the young engineers chairperson, Boyd Holmes, are attending their bi-weekly meetings. We have been well received and also have invited the students to our monthly meetings.

MATHCOUNTS competition is set for February 1st and Alan Krouse is busy sending out packets to the schools.

Phil Meyers has also set the Engineers Week banquet for February 20th.

The August Icebreaker was a success and Ayman Chamaa has set our next monthly meeting for September 26th. *LE*

❖ Lake Charles Chapter ❖

by Daniel J. Holder, P.E. - Chapter President

The Lake Charles Chapter kicked off the 96-97 year with the Installation of Officers Tuesday, September 10, at the Parra Ballroom at McNeese University. Nearly 20 members were there for dinner and the ceremony. We were especially pleased to have State LES President Bob Brossette on hand to conduct the Installation. Thanks, Bob!

We plan to have a full program of interesting and topical meetings this year in order to support our goal of 13 new members. Among the topics we plan to discuss this year are the Industrial Exemption, the proposed changes to the Licensure Model, and Continuing Professional Development. We will also have some fun with the Annual Crawfish Boil, a Tailgate Party at a McNeese football game, and a Christmas Party. Preparations are also underway for the MATHCOUNTS competition at the E-Week Banquet.

Two Lake Charles members were nominated for the LES State Awards, Mr. Vernon F. Meyer for the Leo M. Odom Award for Services to the Profession, and Dr. Jay Uppot for the James M. Todd Technological Accomplishment Medal. Good luck to both of these very deserving individuals. *LE*

❖ New Orleans Chapter ❖

by Pete Dammon, P.E. - Chapter President

The New Orleans Chapter started its fall season with dinner and a discussion on the Industrial Exemption led by Sonny Launey.

Future programs will be designed to be both professionally oriented (Ben Voivodich will present a program on Project Management in October), and of general interest, New Orleans Historian and Public Speaker, Buddy Stall, will speak to the group in January to provide a wide range of interesting topics.

This year we will be getting ready for the 1997-1998 Centennial of LES to be hosted by the New Orleans Chapter. Frank Gallagher has

graciously accepted the chore of working on this task. He will be happy to hear of any suggestions or offers of help from New Orleans and other chapters. He can be reached at (504) 599-5191.

Other highlights of the year will be the Joint Society Meeting at the Radisson on November 7 & 8, 1996, our joint Christmas Banquet at the Plimsoll Club on December 13, and the Joint Engineering Week Banquet scheduled for February, 1997. *LE*

PEPP ACTIVITIES, 1996-97

by: John Plaisance, P.E.

We're looking forward to an interesting year at PEPP! The most talked about event over the last two years on the national level has been the reorganization of NSPE. Well, it has finally happened. At the Annual Meeting in Boston, a reorganization plan passed. We at LES/PEPP will spend at least part of the time figuring out how that will affect us. My congratulations go out to our own Dudley Hixson, who chaired the reorganization committee. He had a very difficult job to do, and he did it professionally.

Another hot topic on the national level is the initiative by the California engineering union to eliminate private engineers from performing government work. Going by the name of the "Government Cost Savings and Taxpayer Protection Amendment", The amendment would require that the cost of any engineering contract for any project done with any state funds shall be compared to the cost using civil service employees. Of course, the cost analysis shall only include additional direct costs (i. e., no overhead) to the state for the civil service employees, but would include all costs to be incurred by the state, state agencies, and the contracting entity for the bidding, evaluation, and contract award process and for inspecting, supervising, verifying, monitoring, and overseeing the contract. We will follow the progress of this issue very closely. The initiative will be on the ballot for California citizens to vote on on June 2, 1998. The California engineering union has already spent \$1.6 million dollars just to get this initiative on the ballot.

On the state level, we also have some hot issues to watch. The definitions of engineering and surveying, as written into Louisiana law, will probably come up in the 1997 legislative session. Also, the elimination of the "industrial exemption" will probably be proposed. We will also be looking at writing a policy manual for LES/PEPP during this year.

Finally, be on the lookout for the EJCDC documents in Baton Rouge. The LES Board of Direction has approved the taking of orders for these documents through the state office. At first, the state office will only be taking orders and passing them on to NSPE/PEPP, receiving a commission on these orders. At some point in the future, LES will stock some of these documents ourselves. Also, the NSPE/PEPP Professional Development Council has produced some videotapes which can be used for continuing professional development. More information about these services will be forthcoming in future issues of Louisiana Engineer.

I hope to see you all at the meeting in November in Kenner! *LE*



Stork News

• Haley Caroline Franks, daughter of Andy & Joie Franks from the Monroe Chapter, was born on September 17 weighing 8lbs, 11 oz.

Calendar of Events

We invite all technical and professional organizations to submit their meeting dates for publication in the *Louisiana Engineer* to: Editor, P. O. Box 2683, Baton Rouge, LA 70821.

October 1996

- TBA** LES Executive Committee Meeting
16 Lafayette Chapter Meeting
17 New Orleans Chapter General Meeting

November 1996

- 7-8** LES Joint Conference, Kenner, LA
7 Honors & Awards Selection Committee meeting - Kenner, LA
 New Orleans Chapter Board Meeting - Kenner, LA
 Long Range Planning Committee meeting - Kenner, LA
 PEPP Committee meeting - Kenner, LA
 Legislative Committee meeting - Kenner, LA
11 Toys for Tots campaign begins
15 MATHCOUNTS Registration Deadline
15 Deadline for copy, LE Magazine, December issue
16 LES Centennial Celebration Steering Committee meeting, New Orleans
20 Lafayette Chapter Meeting

NEW MEMBERS

Alexandria Chapter

Glenn E. Newman, Jr., E.I.T.
 William A. Wilkinson, E.I.T.
 Stephen J. Guion, E.I.T.
 Victoria M. Werner

Baton Rouge Chapter

Gus Cretin, P.E.
 Ray F. Rials, P.E.
 Kristi Trail, E.I.T.
 Dana Michel Scott, E.I.T.
 Tamm Mosley, E.I.T.
 Robert Canfield, P.E.
 Larry P. Braud, E.I.T.

Bayou Chapter

Sandra I. Holloway, E.I.T.
 Lawrence E. Bergeron, P.E.
 Samuel E. Holland, III

Lafayette Chapter

Donald C. Antrubus, P.E.
 Marc Berard, P.E.

Lake Charles Chapter

Steve Chastain, P.E.
 Maryella B. Shinn
 Richard J. Hoffpauis

Penny Thompson

Monroe Chapter

Dr. Barry Benedict, P.E.
 Keith Huntsman, E.I.T.

New Orleans Chapter

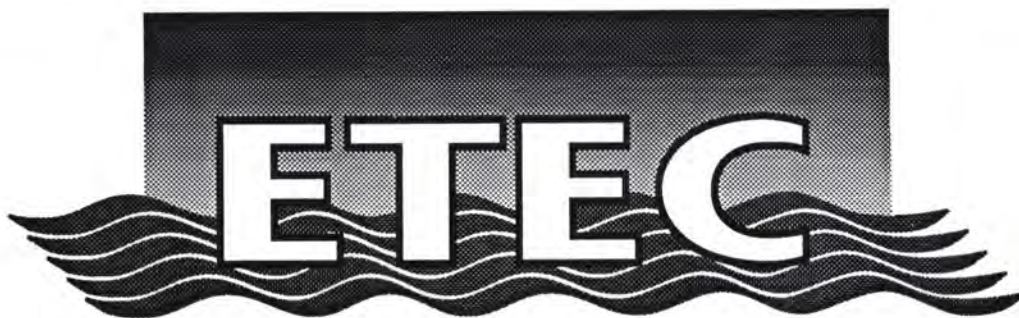
Donna Simmons, E.I.T.
 Donald G. Ellis, E.I.T.
 Gerald M. Frances, P.E.
 Gordon Boudreaux, E.I.T.
 Christopher Melling, E.I.T.
 Elizabeth F. Mantis
 Jeffery B. O'Banion, P.E.
 Jeffrey A. Bonura, P.E.
 Stephen R. Carr, E.I.T.
 Dennis G. Lambert, E.I.T..

Shreveport Chapter

Stacy Walden, E.I.T.

Non-Resident

Christopher R. Berry, E.I.T.
 Donna Simmons, E.I.T.
 A. Kititke Johnson, E.I.T.
 Anthony Brown
 Lori A. Spear, E.I.T.



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TOYS FOR TOTS



The Louisiana Engineering Society, in conjunction with the Marine Corps Reserve, is again participating in the **Toys for Tots** campaign. Toys and/or cash contributions (the money collected will be used to buy toys) will be received by the State Office beginning November 11 and ending December 13. Toys are needed for all age groups and must be in their original packaging (new). Please help a needy child by participating in this worthwhile program. If you have any questions, please call Brenda at (504) 344-4318. Toys may be mailed to 1213 Nicholson Dr., Baton Rouge, LA 70802.

ON YOUR MARK... GET SET... COUNT!

The MATHCOUNTS Foundation is ringing in the new school year with a program that offers hundreds of thousands of junior high students a two-part workout to strengthen their numerical know-how and polish their polynomial pride. MATHCOUNTS, a nationwide math coaching competition program, encourages and prepares students to pursue mathematics in high school and beyond by making the subject as fun and exciting as a school sports event.

The first phase of the highly-acclaimed program kicks off in September, with the free distribution of MATHCOUNTS "coaching" materials to math teachers nationwide. Materials focus on problem solving, analytical thinking, exploration, and teamwork.

Throughout the fall, teachers use the specially prepared math "warm-ups" and "workouts" as supplemental classroom material or as an extracurricular activity to spark seventh and eighth graders' interest and achievement in math. Community volunteers often assist teachers during this coaching phase by tutoring students, organizing team rallies, hosting field trips, and conducting special workshops for teachers and "mathletes."

The second phase of the program gets under way in February when participating schools have an opportunity to challenge other area schools in head-to-head math competition. Winning teams and individuals progress to state-level competition in March, with top students from each state earning an all-expense paid trip to Washington, D.C., in May to vie for national MATHCOUNTS titles.

MATHCOUNTS is the only program of its kind for seventh and eighth grade students. Recognized by many school administrators as an effective math teaching tool, MATHCOUNTS is being incorporated into math curricula across the country.

The MATHCOUNTS Foundation expects 350,000 students to take part in MATHCOUNTS this year. Since the program began in 1983, over three million students have participated in MATHCOUNTS coaching and competition.

Nationally, MATHCOUNTS is sponsored by the National Society of Professional Engineers, CNA Insurance Companies, The Dow Chemical Company Foundation, General Motors Foundation, Intel Foundation, Texas Instruments Incorporated, National Council of Teachers of Mathematics, and the National Aeronautics and Space Administration.

Please consider making a contribution to this worthy program. Remember, contributions are tax deductible.

For more information about MATHCOUNTS or to obtain a free school coaching kit, contact Brenda Gajan at the Louisiana Engineering Society at (504) 344-4318.

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Conference*

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on

November 7-8, 1996

Registration brochure found in this issue!

NSPE 1996 ANNUAL MEETING HIGHLIGHTS

BOSTON, MASSACHUSETTS

The following is excerpts from the NSPE Annual Meeting in July, 1996. To obtain a full copy of the final report, please contact the State Office.

Reorganization

The NSPE Board endorsed the final report from the NSPE Re-Engineering Task Force after adopting a compromise amendment to allocate funds by formula to the practice divisions in each budget cycle. The report represented the culmination of work dating from 1994, involving reviews and input from all areas of the NSPE membership and leadership. The plan breaks down as follows:

Dues

- Implement unified dues within fiscal year 1997-98 and beyond; eliminate separate practice division dues after the calendar year 1997 dues bill.
- Cap dues at \$78 at the national level for the 1997 dues year.
- Flexible dues levels are needed for special categories of members. For younger engineers, graduated dues should be implemented. The Membership Task Force has been asked to recommend an appropriate level to the Board.

Governance

- Integrate practice division in every way; treat all NSPE units uniformly.
- Maintain the current practice division.
- Have each member specify a practice division for membership, included in core national dues.

Core/expanded services

In order to create a more unified publication, expand Engineering Times to cover practice division news, as a core service. It is anticipated that additional pages will be added to Engineering Times to meet the needs of the practice divisions. Practice divisions will have editorial control over their entries. Any Additional or alternate newsletter would be an expanded service.

Meetings

- When deemed necessary, the NSPE Board shall have a truncated session at the Winter Meeting, for nonroutine business only, with director travel and accommodations/meals to be provided by states and/or the individuals themselves. Alternatively, the Board could schedule such a truncated, unfunded

meeting at each Winter Meeting, and cancel it if not needed.

- Continue the Leadership Forum format for the Winter Meeting, on core funding. Either the Annual or the Winter Meeting shall be formatted to provide for general membership meeting opportunities and attendance.

Finances

- Integrate practice division budgets in the regular Society-wide budgeting and evaluation process.

The NSPE Policy on Reimbursement for Expenses, OP No. 54-C, should be revised so that the policy is consistent for all NSPE officers and committees, including the practice divisions.

Implementation

- Implement unified dues and associated changes within fiscal year 1997-98.
- Calendar year 1997 dues bill to go out unchanged; following dues bill to reflect all changes.

Licensure, Ethics, Legal

A revised licensure model offered by the NSPE Engineering Education/Licensure Model Task Force received Board approval. The model calls for graduates of an ABET/EAC-accredited engineering program who pass the new FE exam to be called "registered engineers" (Res). The new FE, to be introduced this fall, no longer tests only the fundamentals offered in the first two years of engineering school, but also discipline-specific engineering knowledge from the full four year curriculum. Since technical engineering principles are covered by the FE exam, the model recommends that the second licensure exam - to be taken after four years of appropriate practice experience - should cover only ethics, codes, standards, and government policy issues, similar to the Canadian practice. Those who complete the process would be designated "licensed professional engineers" (LPEs). The model also recommends mandatory proof of continuing professional competency for LPE license renewal.

The Board approved a recommendation of the Licensure and Qualifications for Practice Committee that calls on ABET to change its accreditation criteria to ensure that engineering design courses are taught by licensed PEs.

Government Relations

The Board passed four new NSPE policies that codify NSPE's longstanding views on guaranty and warranty requirements, certificate of merit laws, statutes of repose, and workers' compensation as it relates to design engineers. NSPE supports enactment of certificate of merit laws, which reduce the number of baseless claims brought against PEs; statutes of repose, which protect engineers from claims long after completion of a project; and provisions in state workers compensation laws that would provide PEs immunity from third-party claims by injured workers unless the PEs have specifically assumed responsibility for safety or have been grossly negligent in their designs. NSPE opposed mandates that require PEs to guarantee or warrant their engineering services.

The Board voted for the Society to undertake efforts to promote a commemorative postage stamp that would recognize the work of professional engineers.

Membership

Board-approved changes to NSPE bylaws to reinstate the Life and Retired Member categories and eliminate the new Senior Member category. National will accommodate those members who were eligible for Life and Retired status but were denied the option due to the prior elimination of these categories, including those who resigned in protest.

The Board also endorsed an introductory dues structure in which younger members would pay one-half National dues for up to (and including) five years after graduation from an undergraduate program. National will encourage states to use this plan as a recruiting tool. Current members who are eligible for the plan will be allowed to participate for the remainder of the five-year limit.

In other moves, the NSPE membership year will be changed from the January-December calendar year to 12 consecutive months following an individual's joining date, and the current introductory dues program that gives up to 18 months of membership for one year of dues to those who join NSPE after July 1 will now give 18 months to all new members from the time they join. *LE*

Member Placement Service

Participation in the LES Member Placement Service program is offered at NO CHARGE to members in good standing (current year dues paid). Qualified members seeking employment in engineering positions may submit a "positions wanted ad" of 50 words or less. Ad must contain the following: position desired, brief description of experience, years of experience, degree (specialty or major, name and location of school), license type, and relocation status (if desired). A code number will be assigned to your ad in order to protect the confidentiality of your search for employment. NOTE: DO NOT SEND RESUMES! Only ads of 50 words or less, containing the information requested, will be accepted.

Submit ads to: Louisiana Engineer, ATTN Classified/MPS, P. O. Box 2683, Baton Rouge, LA 70821. For additional information, call the LES office at (504)344-4318. You may fax your ad to LES at (504)344-4319.

Employer: If you are interested in speaking with any of these or other LES member candidates seeking employment, please complete this form and mail to LES, P. O. Box 2683, Baton Rouge, LA 70821 or fax to (504)344-4319.

Name: _____

Company: _____

Title: _____

Address: _____

City: _____ State: _____ ZIP: _____

Phone: _____ Fax: _____

Ad number(s): _____

LES will contact the member candidate to inform him/her of your interest and will be given the name and phone number of the person from your company that desires an interview or discussion. The member candidate is responsible for contacting the company directly if he/she chooses. LES does not guarantee that the company will be contacted by the candidate or that the candidate will obtain employment as a result of this service.

I understand that my company will be charged a \$75 administrative service fee upon confirmation that a qualified candidate has secured employment with my company through this Service.

Name (please print): _____

Signature: _____ Date: _____

POSITION WANTED ADS

(Current as of October, 1996)

#5952

Electrical Engineer, seeking entry level electrical engineering position. Experience has been primarily oil field related. Presently employed by an international oil field service company as a field engineer. Have worked in electronics maintenance as a summer internship and also as an electrician's helper in a temporary summer position. Graduated from LSU in 12/94 with a BS degree in electrical engineering, registered EIT.

#6961

Chemical Engineer, E.I.T., BSChE-Louisiana Tech - 1995, seeks entry level position. Currently working for software company as production assistant, one summer land surveying, and two years bookkeeping and manager of photography company. PC experience including MS Windows, Word, and Excel. Available to relocate and travel if necessary.



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To join the Magic Kingdom Club, fill out the application form and fax it to John Plaisance at (504)632-5628 or mail it to P. O. Drawer 730, Galliano, LA 70354. For more information, talk to your Chapter President or John Plaisance at (504)632-5596.

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Managing Editor (Name and Complete Mailing Address)

Brenda W. Gajan, P.O. Box 2683/1213 Nicholson Drive, Baton Rouge, LA 70821

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PS Form 3526, January 1995

(See instructions on reverse)

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c. Total Paid and/or Requested Circulation (Sum of 13b(1) and 13b(2))	15,099	2503
d. Free Distribution by Mail (Samples, Complimentary, and Other Free)	1470	245
e. Free Distribution Outside the Mail (Carriers or Other Means)	0	0
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g. Total Distribution (Sum of 13c and 13f)	16,569	2748
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16. This Statement of Ownership will be printed in the October issue of this publication. ☐ Check box if not required to publish.

17. Signature and Title of Editor, Publisher, Business Manager, or Owner

Brenda W. Gajan 9/27/96

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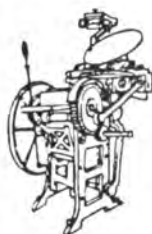
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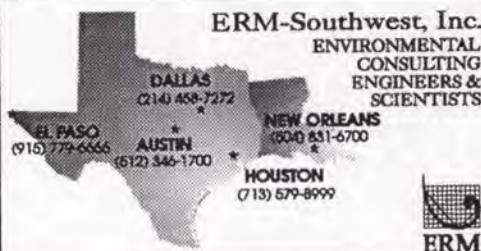


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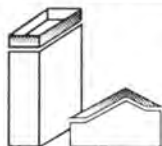
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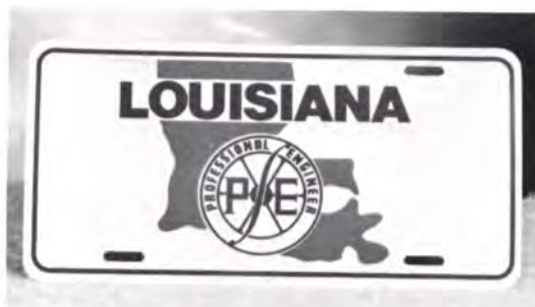


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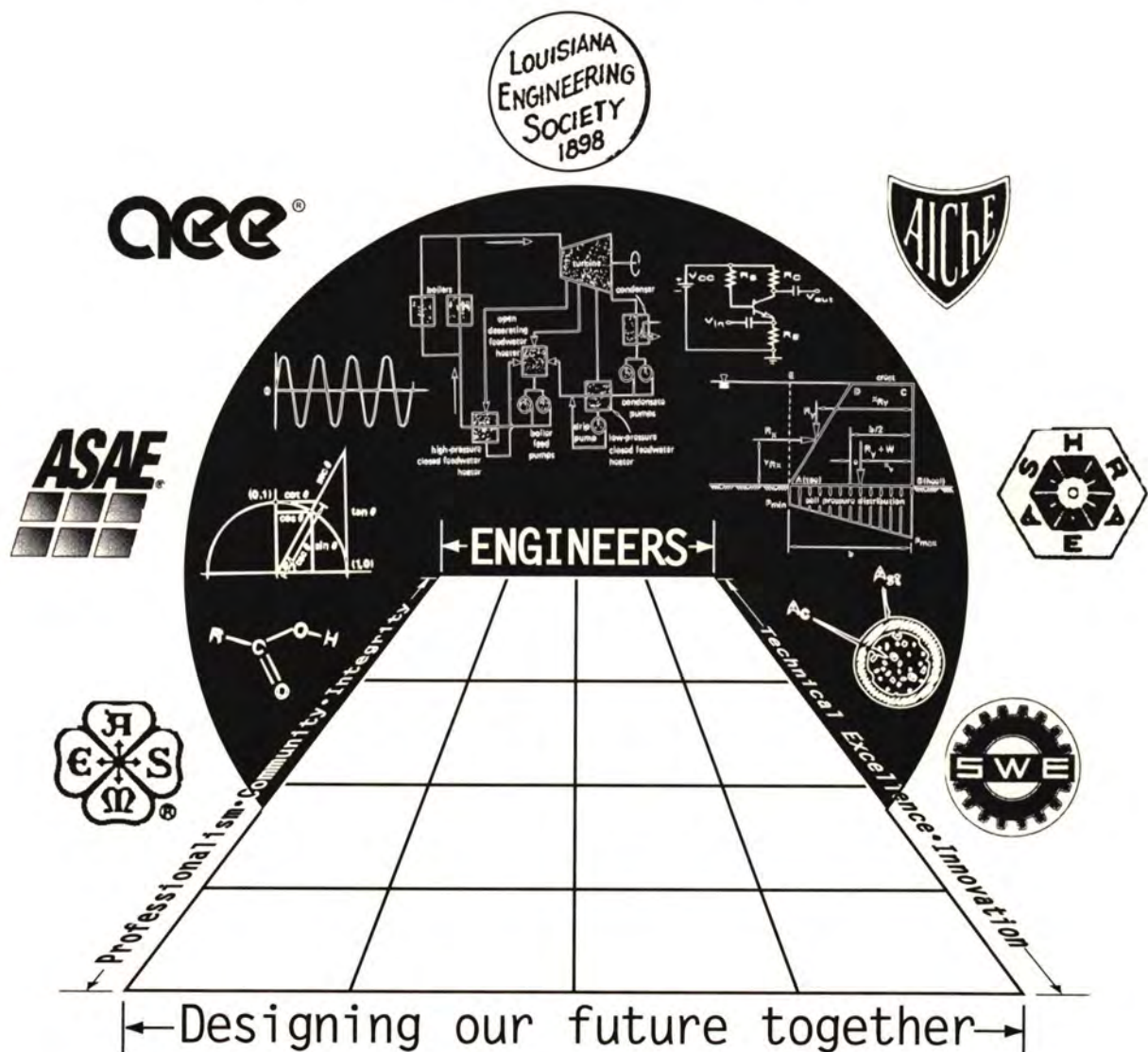
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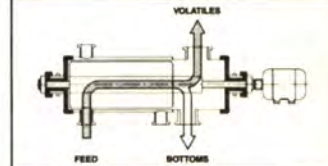


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Chairman's Welcome

It is with great pleasure and anticipation that I welcome you to this first, and hopefully annual, Joint Engineering conference. This conference was the vision of members of the Louisiana Engineering Society Long Range Planning Committee and that of participating organizations as a mechanism of providing all disciplines of engineering the opportunity to elevate their technical and professional development skills while networking with engineering associates.

The conference and its theme, "Engineers...Designing Our Future Together," is intended to provide a holistic opportunity and forum for engineers to proactively participate in to enhance their skills and assist in influencing the design of the professional landscape. The trend towards competition, re-regulation, re-engineering, technology advances, etc. is the primary impetus for the change. The scope and breadth of responsibility for practicing engineers, and the need for a conscious awareness of the factors that may effect the engineering profession is essential for all engineers.

LES and the entire Joint Engineering Conference Committee appreciate your participation and support of this concept, and we are confident you will receive far more in excess than the cost of attendance. The diversity of presentations, the Industrial Advisory Committee recommendations, and vendor exposition will hopefully provide you with the information and contacts necessary as you move forward in your career.

Bob Brossette

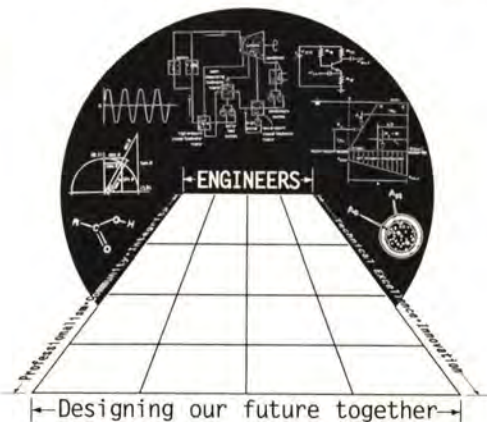
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 American Society of Mechanical Engineers (ASME)
 Institute of Electrical and Electronic Engineers (IEEE)
 Louisiana Engineering Society (LES)
 Society of Women Engineers (SWE)

THURSDAY

1:00

Exhibition opens. Registration opens.

1:30

Multi-Society Round Table: Running a local chapter

Engineering society chapters deal with many common issues. Recruiting new members, membership retention, fund raising, community service projects, newsletters, organizing social events, inter-society activities, and getting speakers for meetings are a few of the challenges chapters face. Join this open meeting, voice your opinion, and find out if a particular wheel has already been invented.

3:30

Townhall Meeting: Industry Advisory Council on registration*Speaker: Glen Kent. and members of the IAC*

Engineering registration is a concern throughout the profession. Louisiana law has specific regulations regarding engineers and the practice of engineering. How soon is mandatory registration? What is the status of the "industrial exemption" and other "existing exemptions?" Discover what the future may hold and get the chance to share your views.

5:30

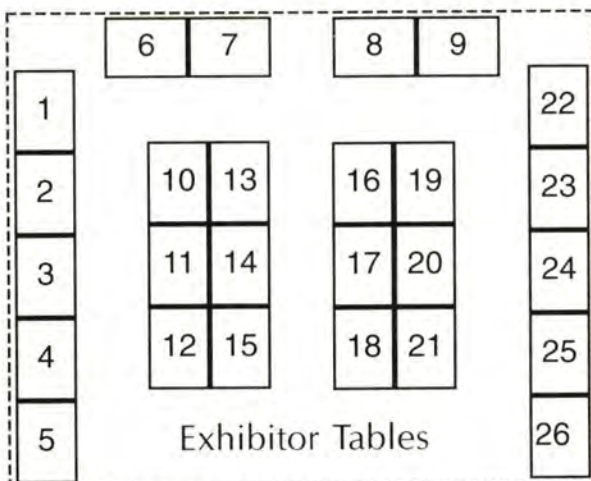
Social Hour

Thursday's admission will include two drink tickets. Hot and cold hors d'oeuvres will be available as well as a cash bar.

6:30

Louisiana Board of Registration: An information brief*Speaker: Paul Landry, P.E. and Glen Kent, P.L.S.*

Find out what the Board can do, the laws they enforce, how they do it, who the Board is, and how they get appointed.

**Pre-Registered Exhibitors**

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Featured Speaker: H. Glen Kent, Jr., P.L.S

Mr. Kent is currently the Executive Secretary of the Louisiana State Board of Registration for Professional Engineers and Land Surveyors. Serving in Baton Rouge, he is also a licensed attorney and a professional land surveyor in the State of Louisiana. Mr. Kent has been the developer and lecturer of "A Seminar of State Lands and Waterbottoms" since 1985. he has served as Assistant Attorney General for Louisiana from 1979 to 1984 and served as the Public Lands Administrator for Louisiana from 1985 to 1996. Mr. Kent earned his B.S. and J.D. degrees from Louisiana State University. He is an active member of the Louisiana State Bar Association, the Louisiana Engineering Society, and the Louisiana Society of Professional Surveyors.



Featured Speaker: Paul L. Landry, P.E.

Mr. Landry has an extensive career as an engineer in public service and private practice. He spent 24 years in the Air Force as a civil and mechanical engineer. His assignments include manager of joint R&D projects with responsibility for high technology exchange with NATO countries and manager of the USAF space simulation facilities. Mr. Landry then spent nine years as a consulting engineer throughout Arkansas and Louisiana, serving as a project engineer, resident engineer, and chief construction engineer. In 1981 he became the Executive Secretary of the Louisiana State Board of Registration for Professional Engineers and Land Surveyors. Mr. Landry retired from his position with the Board in 1996. He is a member of NSPE, LES, LSPS, ASME, SAME, TROA, and MOWW.

Other Thursday Meetings

LES Honors & Awards Selection 1:30-4:30

LES Long Range Planning committee 1:30

LES PEPP 3:00

LES Legislative Committee 1:30-3:00

Local section/chapter meetings (TBA)

Thank You!
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FRIDAY

	8:30	10:00	10:20	11:50
A	A1 Meeting Management		A2 The Leadership Continuum	
B	B1 ASAE: Water Table Mgt.		B2 ASAE: GIS Modeling	
C	C1 ASME: Engineer's role in integrity assessment (OSHA)		C2 AEE: Energy Auditing	
D	D1 AIChE: •Value of Chlorine •Heat Exchangers		D2 AIChE: •Condensing Turbines •Environmental Update	
E	E1 ASRAE: Pre-Purchase Building Evaluation		E2 SWE: Neural Networks	

Spouse Hospitality Suite 7:30 to 12:00

Registration 7:30 to 12:00

Exhibition Hall open 7:30 to 2:30 (Continental Breakfast @ 7:30)

Joint Luncheon Special Speaker**Congressman Bob Livingston**

First District, La.

Bob Livingston, a Louisiana native, was elected to the House of Representatives in a special election in 1977—the first Republican from First District in 102 years. He has been re-elected 9 times with an average majority of 85%. Prior to be elected to public office, Rep. Livingston practiced law for nine years, including serving as Deputy Chief of the Criminal Division of the U.S. Attorney's Office and Chief Special Prosecutor for the Orleans Parish District Attorney's Office.

Rep. Livingston is Chairman of the House Appropriations Committee, which has jurisdiction over all discretionary federal expenditures. At the 1988 GOP national convention he chaired the platform subcommittee on defense as well as secured a platform plank on coastal erosion, the first time a national platform had addressed this issue. He earned his B.A. and J.D. from Tulane, served three years as an enlisted man in the Navy, and has earned numerous awards and special recognitions from public and private organizations.

Friday's attendees will be eligible for six (6) professional development hours.

NOTE: While a society may sponsor a session, every session is open to all registered attendees.

**SESSION DESCRIPTIONS AND
SPEAKER INFORMATION**

A1 Meeting Management*Theodore H. Thompson, P.E.*

A multimedia presentation on the factors which contribute to meeting effectiveness and a presentation of methods to enhance conducting effective meetings.

Theodore H. Thompson, P.E. has 22 years of construction experience with F. Miller & Sons, Inc., and over 26 yrs. with the US Army. His last 7 yrs. include teaching graduate courses in quantitative decision making, problem solving, meeting management, and other courses in effective communication and management functions.

	1:00	2:30	2:50	4:20
JOINT LUNCHEON	A1 Meeting Management		A2 The Leadership Continuum	A
	B3 ASAE: •Composting •Wastewater Lagoons		B4 ASAE: Wastewater mgt.	B
	C3 AEE: Reducing energy consumption in plant air systems		C4 AEE: Energy waste of misapplied demand-side plant air	C
	D3 AIChE: Thin film processing		D4 IEEE: Modern microprocessor-based motor relays.	D
	E3 LES: Environmental issues in construction		E4 LES: Evaluating cost effective waste water treatment	E

Registration closed.

LES Board of Direction Meeting: 5:00

→ Exhibition closes at 2:30.

A2 The Leadership Continuum

Paul Kramer

Leadership skills are different than those of management. Developing both sets of skills can be critical to supervisory tasks. Paul will lead us through a discussion on the principles of leadership and the qualities of a leader.

Paul Kramer is owner of PKC and has been involved in the education, development, and motivation of business for the past 18 years. He has trained and facilitated numerous management development courses in TQM, Problem Solving, and other subjects.

B1 ASAE: Watertable Mgt. to Improve Runoff & Subsurface Water

Dr. James L. Fouss, P.E.

This session discusses how agrochemical (fertilizers and pesticides) practices can be integrated into water table management and improve the quality of runoff and subsurface drainage water.

Dr. Fouss is an agricultural engineer and team leader in the USDA Agricultural Research Science as well as an adjunct professor at LSU. He has been honored by the USDA with the Superior Service Award and is an Elected Fellow of ASAE.

B2 ASAE: Use of GIS and Simulation Models in Assessment and Mgt. of Water Resources

Dr. George Sabbagh

Simulation models and Geographic Information Systems (GIS) are being used to develop and evaluate hydrologic and water quality related management practices. This session will examine the models being used, their complexities, data requirements, sources, and reliability. We will also discuss GIS, how it is used, and the data being developed.

Dr. Sabbagh is an assistant professor in the Agricultural Engineering Dept. at Texas A&M. His work focuses on studying hydrologic and water-related issues.

B3 ASAE: Organic Waste

Dr. Bill Branch

Dr. Branch will moderate several subjects in this session. The first session is titled "**Organic Recycling**" and is presented by Dr. Bill Cochran and Dr. Bill Carney. This article focuses on organic residues from municipalities, agricultural, and forestry processors can be recycled and beneficially used to sustain the productivity of the soil.

The next topic is "**Sludge Accumulation Rates in Anaerobic Dairy Waste Water Lagoons**" by Wendall Meaux and Brad Sticker. This paper reports a study assessing the actual sludge accumulation rates within single cell anaerobic waste treatment lagoons installed as part of a dairy waste management system.

The next presenter is Dr. Caye Drapcho, an assist. prof. in the Dept. of Biological and Agricultural Engineering at LSU. Her two papers, "**Effect of Introduced Bacterial on Sludge Accumulation Rate of**

Anaerobic Dairy Waste Water Lagoon” and **“Fecal Coliform Counts in Non-point Source Discharges,”** were initiated to evaluate the impact of a dairy complex at the LSU Agricultural Center's Southeast Research Station.

Dr. Branch earned his BSAE and MSAE from the University of Tennessee as well as an MBA from California State. He is currently a specialist in environmental education at the Louisiana Cooperative Extension Service in Baton Rouge.

B4 ASAE: Wastewater mgt.

The first paper is titled **“Nutrient Content of Agitated Slurry Being Irrigated From Anaerobic Dairy Waste Lagoon”** and is presented by Dr. Fred Sanders. This paper reports on the results of a series of cleanouts from six wastewater lagoons. Jim is Assist. Specialist at the La. Coop. Extension Service and earned his Ph.D. in Vocational Ed. from LSU.

The next paper is **“Effect of Introduced Enzyme in Two-Cell, Anaerobic/Aerobic Dairy Waste System”** by Dr. Branch with Jake Martin. The final paper of this session is **“Feasibility of Aerobic Treatment for Dairy Holding Area Runoff to Meet DEQ Point Source Discharge Standards,”** by Dr. Branch.

C1 ASME: The Plant Engineer's Role in Mech. Integrity Assessment under OSHA 1910.119

Greg Garic, P.E.

The “mechanical integrity” portion of OSHA 1910 places a great deal of responsibility on the engineer. An engineer must approach this task with very little guidance from national consensus codes such as ASME and API codes, which primarily deal with new equipment and make little provision for equipment already in service. Mr. Garic will review assessing pressure systems and discuss the efforts underway by ASME and API to address in-service equipment.

Mr. Garic has 15 years experience

in analyzing mechanical hardware, structural systems, and plant components. He's experienced in finite element analysis of static and dynamic systems. Mr. Garic is a member of several ASME groups and earned his BSME and MSME from UNO.

C2 AEE: Energy Auditing and Its Applications

Shaun W. Hayes, C.E.M.

The term ‘Energy Audit’ has in itself, meant different things to different individuals. There are several variations of energy auditing procedures to conform to the application. This presentation will provide a clear understanding of the energy audit process, its different levels and applications, and how to effectively present the audit results.

Shaun has been performing energy audits and in-depth energy studies in commercial, government, and industrial facilities for over 10 years. He has designed and implemented several energy conservation projects. He is a Certified Energy Manager, Certified Lighting Efficiency Professional, and a Certified Demand-Side Management Professional. Shaun is president of Hayes Energy Consultants, Inc.

C3 AEE: Reducing Energy Consumption in Plant Air Systems

Wayne Perry

Discussion of system design, including piping storage, and pressure considerations. Primary focus is recent technology changes in compressor controls

Wayne is Quincy's Marketing Manager for Rotary Screw Products, and is responsible for new product development. He has been product manager, line manager and a unit manager for Central Engineering, a fabricator of compressed air and gas packages. Wayne has been involved with DOT's Motor Challenge Program and the Compressed Air and Gas Institute's Energy Awareness Committee.

C4 AEE: Energy Waste of a Misapplied Demand side of the Compressed Air System

Brad Deaton

Discussion of system design, including piping storage, and pressure considerations. This topic, similar to Session C3, takes a more specific examination of energy efficiency by focusing on the demand side.

Brad has 15 years of experience in the compressor industry. He has worked in the significant review of operation controls, compressor sizing, and air system sizing. Brad has responsibility for Quincy's distribution in Louisiana, Mississippi, Texas, Arkansas, and Texas.

D1 AIChE Dual Session #1

The Value of Chlorine 8:30-9:15

Linda Hartle, E.I.T.

Chlorine is a naturally occurring element and its compounds are abundant all around. Chlorine and chlorinated compounds have many uses vital to our lives, including use in drinking water purification, the manufacture of pharmaceuticals, and in crop protection chemicals. During the last decade there has been strong opposition to chlorine although a chlorine substitute, if possible, would be costly. It is important public policy take sound science into account so safe, useful products are not banned due to fear and misinformation..

Linda is a process engineer in the manufacture of chlorine and caustic soda. She works for Occidental Chemical Corp. in Taft, LA. She has a BSChE and is an E.I.T.

A Very High Pressure, High Heat Transfer Area Density Heat Exchanger/Boiler 9:15-10:00

Alfred N. Montestruc, III, P.E.

The invention described enables the construction of a modular plate heat exchanger which combines the advantages of compactness expected of a flat plate heat exchanger with the ability to contain differential pressures between the fluids as high as 3000psi without using exotic materi-

als. The very high heat transfer area to volume ratio can also be a more efficient means of quenching chemical reactions in process gas streams in the chemical industry.

Al is Vice-President of Leibkeman & Montestruc, Inc. and has a BS and MS in Mechanical Engineering. He designs boilers and high pressure heat exchangers, especially those ethylene quench coolers, and models flow of fluids in heat exchangers, including two phase flow, turbulent flow and compressible flow.

D2 AIChE Dual Session #2 **Economical Condensing Turbines**

8:30-9:15

J.E. Dean, P.E.

Steam turbines have long been used to generate power. There are three basic types of steam turbines: condensing, letdown, and extraction/condensing. This presentation will provide a frame work for preliminary economic analysis on electric power generation for condensing steam turbines.

Jim specializes in process optimization, thermodynamic/pinch analysis, generation/cogeneration strategies, energy efficiency, and environmental issues. He has a BS in Chemical Engineering and an MBA. Jim works at Entergy in Business Development - Technical Services.

Environmental Update 9:15-10:00

Gustave A. Von Bodungen

An update on constantly changing environmental laws rules and regulations.

Gus is Assistant Secretary of the Louisiana Dept. of Environmental Quality.

D3 AIChE: Thin Film Processing

Julio Ferreyra

This presentation is applications oriented and focuses on evaporation, distillation, and chemical reactions of heat-sensitive viscous materials, their applications, and various comparisons.

Julio as a BS and MS in Chemical

Engineering and has worked the last 10 years in a wide range applications involving heat- and mass-transfer in the chemical, food, and pharmaceutical industries.

D4 IEEE: Modern microprocessor-based motor and feeder management relays

Ed Lebenhaft, P.E.

Advances in controls and computers have produced a generation of relays. Ed, whose experience include 17 years in nuclear power plant protective relaying design, will present an in-depth discussion on the state-of-the-art products.

Ed earned his BSEE from the University of Toronto. He joined GE Multilin six years ago and is now the Southern US sales manager, represented locally by ACC in Baton Rouge.

E1 ASHRAE: Pre-Purchase Building Evaluation

Graham Clarke, P.E.

An overview of determining how much will have to be spent on a building to make it usable and within code. Topics include structural, plumbing, HVAC, electrical, and fire/life safety.

Graham is the principal fire protection engineer for Walk, Haydel, and Assoc. He graduated from Loyola College and McGill Univ. with degrees in civil engineering.

E2 SWE: Applications of Neural Networks to Engineering Problems

Dr. Edit Kaminsky Bourgeois

After an introduction to neural networks (NN) and their most common paradigms, Edit will discuss the NN application for the classification of remote sensing data as well as future NN improvements.

Edit earned her BSEE from the Universidad Autónoma de Centro América, Costa Rica, followed by her MS and Ph.D. from Tulane. Her work at the Stennis Space Center included signal and image processing data from a wide variety of sensor types. She is now an assist. prof. in the Dept.

of Elec. Engineering at UNO and is conducting research in a variety of signal-related challenges.

E3 LES: Environmental Issues in Construction (they won't go away)

Wynn L. White, P.E.

Any project with waste is affected by environmental rules and regulations. Did you know that excess evacuation soil is a waste (and that you may be violating the law by not handling, storing, and placing it properly?) This presentation will cover real projects and solutions.

Wynn provides environmental and safety solutions to business, industry and government. He is a registered P.E. and a member of the LES. Phone 504-751-1164

E4 LES: Evaluating cost-effective strategies for treatment of wastewater effluents

John W. Day Jr., Ph.D., Joel Lindsey, MS

Two major environmental problems affecting the Louisiana coastal zone are a high rate of wetland loss and high levels of surface water pollution. The application of secondarily treated wastewater to wetlands is proposed as a means of dealing with these problems. The benefits of wetland wastewater treatment include improved surface water quality, improved plant productivity and habitat quality, and decreased capital outlays for conventional engineering treatment systems.

John is a Professor, Dept. of Oceanography and Coastal Sciences and Coastal Ecology Institute, Center for Wetland Resources, LSU. He is nationally recognized for research achievements and competitiveness in ecology and management of wetland systems. He has a Ph.D. from Univ. of N.C. in Marine Sciences.

Joel is Manager of the Institute for Environmental Issues and Policy Assessment, Southern University. He served as Deputy Secretary of the La. Dept. of Environmental Quality 1988-1992. He has a Master of Science from LSU in Political Sociology.

Registration Form

Please complete and mail this with a check to:

LES/Joint Meeting

P.O. Box 2683

Baton Rouge, LA 70821

or fax your credit card order to **(504) 344-4319**.

For further information, call LES at (504) 344-4318.

Registration Fees

Thursday Pre-registered **\$15** After Oct. 31 **\$20**
Includes social hour and any chapter meetings.

Friday Pre-registered **\$65** After Oct. 31 **\$75**
Includes continental breakfast and luncheon.
Attendees receive 6 professional dev. hours.

Both Pre-registered **\$75** After Oct. 31 **\$85**

I'm registering for **Thursday** ☐ **Friday** ☐ **Both** ☐

You must register to attend any event or session.

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Please check all technical societies you belong to. If any are not listed, please write them in the blanks.

- | | | |
|---------------------------------|-------------------------------|--------------------------------|
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"The Leadership Continuum"*

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Automation Control Company, located in Baton Rouge and the Louisiana sales representative for **GE Multilin Division**, is proud to sponsor Mr. Ed Lebenhaft, P.E., as a speaker for Session D4, "**Modern microprocessor-based motor and feeder management relays**," at this conference.

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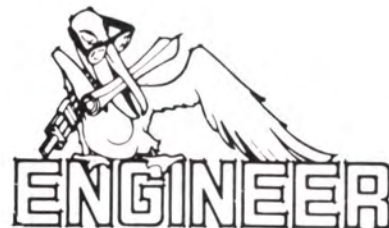
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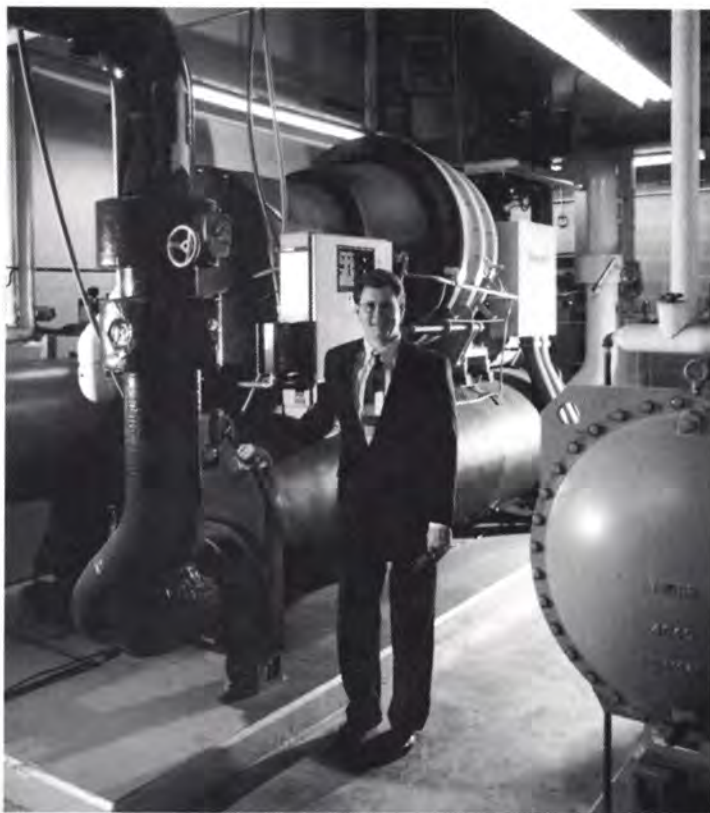


A New Louisiana Engineering Center



Inside This Issue . . .

- ❖ A New Louisiana Engineering Center — see page 15
- ❖ LES Membership Application — see back cover



There's a lot of hot air about chillers these days. Let us give you the cold hard facts.

Traditional CFC refrigerants are being phased out, and that has some people questioning the viability of electric chillers. But the fact is, electric chillers will continue to be the best choice for cooling large buildings—without becoming obsolete or having adverse environmental effects. Here's why:

- Through recovery and recycling, existing refrigerants will remain available for many years—extending the life of current installations well into the next decades.
- Alternative refrigerants are already available. Existing chillers can accept these refrigerants with minor modifications; new models are available with the new refrigerants.
- Electric chillers remain far more affordable. First cost of electric chillers is about half the cost of absorption chillers; the same is true of maintenance costs.

- The service network for electric chillers is universal, while service contractors for absorption chillers are rare.
- Electric chillers are far more economical to operate. They are two to three times more efficient than absorption chillers. (We always recommend units with a minimum efficiency of .8 kw/ton.)

As they have for the past 50 years, electric chillers will continue to excel in efficiency, affordability and viability. The changing status of CFCs will not change that.

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Vision Statement

The Louisiana Engineering Society will be recognized as providing professional leadership to the individual engineer and related engineering contemporaries.

Mission Statement

The Louisiana Engineering Society is dedicated to the advancement of the engineering profession by pursuing an active leadership role through:

1. Providing avenues for members to elevate their skills, competencies and ethics.
2. Communicating that engineering work must be performed by a professional engineer or supervised by a professional engineer.
3. Public awareness activities.
4. Services to the public and profession.
5. Advocating registration of all engineers.
6. Recognition of engineering achievements.

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1/4 page vert.	3 1/2"	5"	\$105	\$504
Professional Listings	2 1/2"	1 3/8"	\$32	\$154

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- 2) All ads must be prepaid. Advertisements with payment should be sent to LES by the 15th of the month preceding month of issue.
- 3) Published six times annually; February, April, June, August, October and December.



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STREET ADDRESS: 1213 NICHOLSON DR., BATON ROUGE, LA
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PRESIDENTIAL PRIVILEGE

Robert A. Brossette, Jr., P.E. • President • Louisiana Engineering Society

It's a Wonderful Life!

I think everyone who has seen the Christmas classic 'It's a Wonderful Life' by Frank Capra can relate to the feelings of George Bailey. George believes that family, business and community obligations have forced him into an uneventful, unappreciated, unfulfilled, and insignificant life in obscure Beaver Falls. While George lives his life, events that happen to him are not as meaningful or noteworthy as those which are occurring in the rest of the world. He leads an isolated, unappreciated and honest life. Then one day an event occurs which due to no fault of his own can ruin his life and that of his family. In these dark, traumatic and lonely hours George becomes so distressed and depressed that he contemplates suicide as the solution to this dilemma. Then, as only can happen in Hollywood, George has an opportunity to view the world as if he never lived. The trivial life he thought he lived actually was one that was purposeful, significant and profoundly impacted the lives of many people! I would like to use this theme and relate it to LES: **What would the status of the engineering profession be today if there were no LES?**

If there is no LES, the governor, absent input from professional engineers, selects candidates to fill vacancies on the Board of Registration. Considering past experiences and occurrences in Louisiana politics, one can only imagine the political appointees made to these vacancies, and the havoc that may have been wrecked on the profession. With the Board of Registration composed of political appointees, what rules, regulations and laws have been promulgated and passed? I wonder how the engineering profession would have been impacted? I wonder what the qualifications would be to become a licensed engineer?

If there is no LES, there is no registration law, and the licensing of engineers and land surveyors is not regulated to safeguard life, health and property and to promote the welfare of the public. LES led the nation in establishing registration for professional engineers and land surveyors. Had it not been for an unforeseen delay during the 1907 legislative session, Louisiana would have been the first state, rather than the second, to enact a registration law for Professional Engineers and Land Surveyors.

If there is no LES, only civil engineering and land surveying are licensed disciplines. In 1950 LES was responsible for the amendments to the original registration act to include other disciplines of engineering.

If there is no LES, there is no Louisiana Engineering Foundation (LEF), an IRS Code 501 C(3) organization which provides for engi-

neering scholarships, engineering faculty awards, and a building to house professional and technical organizations within Louisiana.

If there is no LES, there is no legislative committee. I wonder how many friends of legislators were awarded engineering contracts that were not based on qualifications? I wonder what engineers would be paying for the 'opportunity' to practice in Louisiana. Would engineers be in primary responsibility and charge of projects? What would be the public's perception of engineers? What laws would have been passed to the detriment of the engineering profession? Since the engineering profession has no legislative 'watchdog', how would the engineering profession and the values of engineers be protected?

If there is no LES, I wonder if students awarded LES engineering scholarships would have finished engineering school.

If there is no LES, there is no Ladies Auxiliary. I wonder if the students awarded Auxiliary scholarships would have finished engineering school?

If there is no LES, there is no MATHCOUNTS, and mathematically inclined students would not be provided the opportunity to compete for honors as are the more athletically blessed students. Who would be communicating to these students that it's all right to be smart, and not abnormal? Whom would these same students look to as engineering role models?

It's fun to play these 'what if' games, because you get the opportunity to pause and reflect on what may or may not have happened. One can only imagine the significant and cumulative impact the above would have had on the engineering profession had engineering volunteers not dedicated their time and talents through LES to the advancement of our profession. We may have many issues that need resolution, numerous opportunities that challenge us, but you know it really is a wonderful life! Let's be thankful for life's little blessings, what we have, and continue to improve ourselves and the world in which we live!

As Oliver Wendell Holmes said, "The great thing in this world is not so much where we are, but in the direction we are moving". I believe we are moving in the right direction, we are making difference in this world, our lives and that of the people we touch!

Have a Merry Christmas, and safe, healthy and prosperous New Year! !

Oh, and by the way, **Thank You** past LES members for caring and getting us to 1997 !

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Consulting Engineers Section

Two Louisiana Engineers Elevated to Fellow Status

Upon the unanimous endorsement of the CEC/L Board of Governors, the American Consulting Engineers Council (ACEC) announced recently that two Louisiana engineers were granted Fellow status. The designation of Fellow is reserved for those extraordinary individuals who have elevated the standards of their profession. The two engineers being honored are **ROBERT D. FENNER, P.E., P.L.S., SHREVEPORT, LA,** and **RALPH W. JUNIUS, JR., P.E., METAIRIE, LA.**



Robert D. Fenner attended grammar and high schools in Lake Charles, Louisiana and is a 1953 graduate of Louisiana Polytechnic Institute (Louisiana Tech), Ruston, Louisiana, with a Bachelor of Science degree in Civil Engineering. In 1957, he earned a Master of Science degree in Civil Engineering (Structures and Soil Mechanics) at Louisiana State University, Baton Rouge, Louisiana. He is a registered Civil Engineer in Louisiana, Texas and Mississippi and a licensed Professional Land Surveyor in Louisiana.

He served in the United States Army from 1953-1955

and taught at LSU as a Graduate Assistant from 1955-1956. His engineering experience includes: Civil Engineer in Structural Design at Ogden, Woodruff and Dyer, Consulting Engineers, Baton Rouge, Louisiana, from 1956 to 1957; Civil Engineer in Structural Design at Walter Kidde Engineers, Inc., Baton Rouge, Louisiana, from 1957 to 1958; and Civil Engineer in Structural Design for E.M. Freeman and Associates, Consulting Engineers, Shreveport, Louisiana, from 1958 to 1960. In 1960, he was a founding member of the firm of Aillet, Fenner, Jolly & McClelland, Inc.

A native of El Dorado, Arkansas, Fenner is a member of the First Methodist Church, Shreveport, Louisiana, the American Society of Civil Engineers, National Society of Professional Engineers, Louisiana Engineering Society, American Concrete Institute, Prestressed Concrete Institute, American Consulting Engineers Council, Consulting Engineers Council of Louisiana (CEC/L), and Tau Beta Pi Honor Society. Fenner served on the CEC/L Board of Governors for several years and was the Council's president in 1980-1981. He concluded his service on the board serving the following year as CEC/L's National Director. He has remained active serving on state and chapter Council committees.

In 1986, Fenner was appointed by the Governor to a six-year term on the Louisiana State Board of Registration for Professional Engineers and Land Surveyors during which time he was elected chairman of that board in 1988. He served on several committees includ-

ing the Finance Committee, Civil Committee, Nominations Committee, and the Surveying Committee. He has served with distinction the other professional and technical organizations at various levels of officership.



Ralph W. Junius, Jr., the youngest CEC/L member ever to be elevated to the status of Fellow, received his Bachelor of Science degree in Civil Engineering from Tulane University in 1970, a Master of Science degree in Civil Engineering in 1972 from the University of Illinois, and a Juris Doctorate degree from Louisiana State University in 1974.

A registered professional engineer in Louisiana and Texas, Junius began his professional career in 1970, working with Modjeski and Masters, Consulting Engineers. In 1972, he worked for Barnard and Burk, Inc., Consulting Engineers. For the next two years, he worked with Albert Switzer & Associates, Inc., Consulting Engineers. He briefly practiced general law in 1974-1975. He is a principal in the firm of Linfield, Hunter & Junius, Inc., Metairie, Louisiana. He is a member of St. Pius X Catholic Church, the American Arbitration Association, American

Consulting Engineers Council (ACEC), Consulting Engineers Council of Louisiana (CEC/L), Louisiana Engineering Society, Louisiana State Bar Association, National Society of Professional Engineers, the Society of American Military Engineers, and Tau Beta Pi Honor Society.

Junius served on the CEC/L Board of Governors for several years and was the Council's president in 1989-1990. He has served at the national level (ACEC) as a member of the Contract Documents Committee, CEC/L National Director, Design/Build Task Force II, Professional Procurement Committee, and continues to serve on the Small Firms Coalition Executive Committee. He was chairman of that coalition in 1994-1995. On the state level (CEC/L), he was appointed Legislative Committee chairman for three years, beginning in 1985. He has remained active on the Legislative Committee to the present. He has also served the other professional and technical groups at various levels of officership, illustrating through his activities his desire to serve his profession.

One of Junius' more notable contributions to CEC/L occurred when he served as a member of the Host Committee in 1995, the year the ACEC Annual Convention was held in New Orleans. At the request of the Host Committee chairman, Junius single-handedly raised more than \$12,000 from the CEC/L membership to help defray the expenses incurred by CEC/L in its role as Host Member Organization. Some of the excess funds have been authorized to be used to publish a top-notch membership directory. Some of the funds were

authorized to help defray the cost of the 1996 CEC/L Annual Meeting which allowed the cost to the membership to be minimal.

Both Robert Fenner and Ralph Junius exemplify the unique leadership quality, the unselfish dedication, and accomplishment of service to the Councils and their profession, all tenets upon which form the basis of the ACEC Fellow distinction. They join 27 other CEC/L leaders as Fellows. CEC/L congratulates these two gentlemen and their families as they take their much deserved niche of prominence in the Council.



A Word to the Wise

Speaker of the Louisiana House of Representatives, Hunt Downer, sent CEC/L a brief memo along with a copy of R.S. 38:2212(A)(1)(e) relative to copies of bid documents which are available to bidders for pub-

lic works projects. The law requires that the public entity advertising for a public works contract shall furnish all bidders with at least one set of bid documents. The law allows for a deposit up to twice the cost of reproduction to be charged, but also requires refund of that deposit if the documents are returned within 10 days of the bid opening.

In his letter, Downer says, "It has come to our attention that some of your members are requiring 'non-refundable' payments for bid documents on public works projects. It is my opinion that this is probably because they are unaware of the law."

The law states: "Each public entity advertising and letting for bid a public works contract under the provisions of this Section shall furnish all prime bidders who request bid documents and who are properly licensed by the Louisiana State Licensing Board for Contractors

with at least one set of complete bid documents. The public entity may require a deposit on the bid documents; however, the total cost of the deposit, including handling fees and other costs shall not exceed twice the actual cost of reproduction. Deposits on the first set of documents furnished bona fide prime bidders will be fully refunded upon return of the documents no later than ten days after receipt of bids. On other sets of documents furnished to bidders the deposit, less actual cost of reproduction, will be refunded upon return of the documents no later than ten days after receipt of bids. Where the public entity, itself, prepares and distributes the contract documents, the public entity may, in lieu of a deposit, charge a fee for the documents, which shall not exceed the actual cost of reproduction."

If you would like a copy of that section, please notify the CEC/L office at (504) 387-0843.

Mark Your Calendars Now...

Plans are already underway for the 1997 CEC/L Annual Meeting. Scheduled for June 13-15, 1997 (Friday - Sunday), the meeting will take place at the Marriott's Grand Hotel Resort at beautiful Point Clear, Alabama. Joe Harman, P.E., chairman of the Planning Committee has already booked the rooms and signed the contracts. He's diligently putting together another great agenda which will include a variety of tours, shopping, and fun things, as well as a worthwhile seminar and board meeting. Go ahead and mark your calendar to reserve space for a glorious and memorable meeting!



A Good Book for Your Library

The American Consulting Engineers Council's Bookshop

Continued on page 17

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Spring Meeting

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At its recent meeting in Boston, the NSPE Board of Directors approved the reinstatement of Life and Retired Member status. While they will make every effort to contact members who dropped as a result of the "closeout" of these membership categories, you may want to get a "jump start".

If you meet the following qualifications for Life or Retired Membership, please contact the LES State office at (504) 344-4318.

Eligibility for Life or Retired Membership in LES/NSPE may be determined by reviewing the following criteria.

To qualify for Life Membership, the members must be . . .

1. at least age 60;
2. retired from fulltime practice; and
3. have a minimum of 30 continuous years of membership above the student member grade.

Note: If the member has 40 continuous years of membership, retirement is not required.

To qualify for Retired membership, the member must be . . .

1. at least age 60;
2. retired from fulltime practice, and
3. have a minimum of 10 continuous years of membership above the student member grade.

Dues for Retired Members are reduced by fifty percent (50%) while Life Members are fully dues-exempt.



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MERRY CHRISTMAS!

Sharon and I would like to take this opportunity to wish all of our members a very Merry Christmas and a Happy New Year! It's been another great year!

*Merry Christmas,
Brenda*

SPECIAL THANKS . . .

Thanks to all of the members who are participating in the UPS "For Members Only" program. Over \$330 in revenues have been received this quarter through this source of income!

Nominations for 1996-97 PEPP Award and PEPP Merit Awards

Do you know someone who has made significant contributions to NSPE-PEPP or to State and Chapter PEPP organizations? They may be eligible to receive either the PEPP Award or a PEPP Merit Award this year. Nomination forms and guidelines may be obtained from the State Office. Submittals will be sent to NSPE/PEPP Director and must be received by February 3, 1997.

IMPORTANT NOTICE

Revisions to Minimum Standards for Property Boundary Surveys became effective August 20, 1996.

Calendar of Events

We invite all technical and professional organizations to submit their meeting dates for publication in the *Louisiana Engineer* to: Editor, P. O. Box 2683, Baton Rouge, LA 70821.

December 1996

- 9 LES/NSPE 2nd Dues Notice Mailed
- 16 LES Executive Committee Meeting

January 1997

- 8-10 MATHCOUNTS Late Registration Deadline
- 15 Deadline for copy, LE Magazine, February issue
- 23-29 NSPE Winter Meeting - Charlotte, North Carolina

National Engineers Week '97

Now is the time to be setting plans for your observance of National Engineers Week in 1997. The celebration will take place February 16-22, 1997. The theme this year is "Engineers Make a World of Difference." This emphasizes the impact of engineering on our quality of life. The observance is being sponsored by 18 engineering societies and government agencies with funding from 38 major corporations.

The lead players in this year's celebration is the National Society of Black Engineers and Motorola. For more information about planned programs, access the National Engineers Week web site at <http://www.eweek.org>.

National Engineer's Week planning kits are available to help give you ideas on how you can help observe and promote this celebration. The kit includes guidebooks, curriculum plans for schools, references, posters, and more. To receive a planning kit, place your order by calling (412) 741-1393 or by e-mail at eweekorders@abdintl.com. Also contact your chapter president to find out what activities are being planned in your area.

❖ Alexandria Chapter ❖

by M. L. Virden, P.E. - Chapter President

We held our Fall Outing on October 18th at Rodemacher Lake. The weather cooperated and a good time was had by all. Our next luncheon meeting is scheduled for November 20th.

MATHCOUNTS preparations are well under way with the Regional competition scheduled for February 15th. We've had sixteen schools indicate that they plan to participate. Planning is also underway for the E-Week banquet to be held on February 21, 1997. It will be a joint banquet with the local chapter of SAME and CEC.

Keith Hillman, our Membership Committee Chairman, is spearheading an effort to contact all members to gain some understanding of their views on L.E.S. All chapter officers are assisting. We expect to complete all contacts by December. LE

Dues are Due!

Members who have not yet paid 1997 dues are urged to do so by December 31, 1996 to insure continued services, mailings, etc., and good standing status. Members remaining unpaid on April 1 forfeit membership.

*LES needs all of its members . . .
Members need LES!*



IN MEMORIUM

Rodney M. Vincent, a well respected professional engineer and member of the Louisiana Engineering Society for 48 years, died October 24th in a Lake Charles hospital. He was 70 years old. He is survived by his wife, the former Della Nelson of Lake Charles, his son and daughter-in-law, Rodney Douglas and Elise Vincent, and his grandchildren, Melissa and Christopher Vincent, all of Metairie.

Mr. Vincent used his talents to accomplish much during his lifetime. He spoke with authority, credibility, and humor as he lead the way as a talented engineer and humanitarian. His professionalism and integrity served the Calcasieu Parish Police Jury well for decades.

A lifetime resident of Lake Charles, Mr. Vincent was a graduate of Lake Charles High School and a 1948 graduate of Tulane University with a degree in Civil Engineering, where

he was a member of Tau Beta Pi. He began his public service in June 1948 as Calcasieu Parish Engineer, was appointed Parish Secretary-Treasurer in 1967, and then Parish Administrator in 1972 until his retirement in 1988.

He served on the first Airport Authority formed in 1958 which resulted in the construction of the Lake Charles Municipal Airport that opened in 1961. Until his death, Mr. Vincent was still very active at the airport serving as the Engineering Advisor to the current Lake Charles Regional Airport Authority.

Since 1988, Mr. Vincent had been consulting engineer for the Gravity Drainage District No. Nine of Ward Two.

Mr. Vincent served as 1954 President of the Lake Charles Chapter of the Louisiana Engineering Society. In 1982, LES recognized his many accomplishments with the Andrew M. Lockett Medal for Civic Activities. He was a member of the National Society of Professional Engineers and the American Society of Civil Engineers.

Mr. Vincent was awarded a purple heart for service in the U.S. Army 10th Mountain Division during World War II.

He was a member of the First United Methodist Church, recently serving as Chairman of the Project First Committee to remodel the church facility. He was a past member of both the Board of Trustees and Board of Stewards, past chairman of the Finance Committee and had accepted the position of Treasurer for 1997.

At the time of his death, Mr. Vincent was currently serving on the Board of Directors of

Westlands Corporation, Vincent Heirs, Inc., Rodney M. Vincent, C.E., Inc., First Federal Savings and Loan Association, American Heart Association, and Memorial Hospital Service District Board. He was also serving as treasurer for the Salvation Army Advisory Board.

He formerly served on the Board of Directors of the Calcasieu Regional Planning Commission and the Executive Committee of the Imperial Calcasieu Regional Planning and Development Commission. He was also a past member of the National Association of County Engineers and State Planning Advisory Board. He was a past member of the Board of Directors of the Tulane Alumni Association and past Board Member of the Greater Lake Charles Chamber of Commerce.

Mr. Vincent was past President and a charter member of the Louisiana Parish Engineers and Road Superintendents Organization. He had been Special Advisor to the Parish Chart Commission and Calcasieu Industrial Development Board. He also had served on the Policy Board of Urban Observatory Program of the National League of Cities in conjunction with the City of Lake Charles and McNeese State University.

He had served on the Board of Directors and as President of the United Way Board, Chairman of United Way Fund Drive and head of the Public Employees Division. He had also served in many other civic activities. **LE**

NEW MEMBERS

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William Elliott, E.I.T.

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Elizabeth Robin, E.I.T.

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Kale Danos

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Ryan Gonsoulin

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Sonya Kidder

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Jeffrey Barry

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Richard J. Hoffpauir

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COURSE 100

- Session 1: Leadership Skills for Engineers (Part 1)**
- Session 2: Leadership Skills for Engineers (Part 2)**
- Session 3: Ethics**
- Session 4: Planning a Project**
- Session 5: Project Management: Blueprint for Success**
- Session 6: Professional Liability**

COURSE 200

- Session 1: Implementing Total Quality Management**
- Session 2: Human Resources - Management Challenge**
- Session 3: Engineering Ethics - You Be the Judge**
- Session 4: Contract Documents**
- Session 5: Risk Management**
- Session 6: CADD Contracting**

THE BOTTOM LINE:

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Name _____ Job Title _____
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 Register us for _____ Course 100 _____ Course 200 _____ Both
 Host Site _____ City, State _____

(One registration form is needed for each person participating.)

For more information, contact Julia Goodman, 703-684-2861

A New Louisiana Engineering Center

by: Waldemar S. Nelson, P.E.

President, Louisiana Engineering Foundation

The Louisiana Engineering Foundation was incorporated in 1978 by a group of Louisiana professional engineers, members of the Louisiana Engineering Society and other professional engineering groups. Its purpose was, and continues to be, the promotion of activities to support and strengthen the profession of engineering.

More specifically, its goals are:

1. To grant scholarships and fellowships to students in support of engineering.
2. To provide guidance and information to high school and college students who are interested in engineering careers.
3. To provide opportunities in the form of seminars for practicing engineers to continue their professional development.
4. To disseminate engineering information beneficial to the interested public, and
5. To establish and maintain a Louisiana Engineering Center.

The last goal was initially accomplished in 1978 by purchasing a building and surrounding grounds at 1213 Nicholson Drive, Baton Rouge, Louisiana with a generous donation by Mr. and Mrs. Leo M. Odom and by loans and contributions of practicing engineers and corporations. The building is known as the Louisiana Engineering Center and now houses the state offices of the Louisiana Engineering Society and the Consulting Engineers Council of Louisiana.

The present building and location is no longer adequate to fulfill the objectives of the Louisiana Engineering Foundations, and its

Board of Directors is developing a new Louisiana Engineering Center in Baton Rouge. A prime one acre lot has been acquired in Independence Plaza business park, on Airline Highway between Interstate Highway I-12 and Old Hammond Highway, at the corner of Brookline Avenue and Fremont Drive. The architect-engineer firm of C.S.R.S. has been retained to develop a concept of the building (shown on the cover of this issue) and to begin planning the facility.

The Foundation supports MATHCOUNTS, the program to encourage the knowledge of mathematics among junior high school students; gives Graduate School Fellowships to graduate students who express an intention of teaching at the college level; and annually confers honors on an engineering faculty member, selected by his peers in each of the accredited engineering schools in Louisiana.

Dudley Hixson, P.E., (past President of N.S.P.E.) and James L. Meyer, P.E. (original Treasurer of L.E.F.) have generously volunteered to be co-chairmen of a committee to raise the funds necessary for construction of the new Louisiana Engineering Center with a goal of \$350,000. You will be hearing from them.

If you practice engineering, employ engineers in your business, or use the benefits of engineering in your industry, the Directors invite you to consider donating funds, securities or property to the Louisiana Engineering Foundation.

Your contribution will help strengthen the profession of engineering now and in the future! *LE*



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Roster of Louisiana Engineering Societies 1996-97

AEE Southern Louisiana Chapter

Association of Energy Engineers
Judy P. Broussard, CEM, President
(O): (318) 237-6517
E-mail: pocheltd@aol.com
Poche' Associates Ltd
224 Rue DeJean Ste 200
Lafayette, LA 70508

AICHe South West Louisiana Section

American Institute of Chemical Engineers
David Klocek
(O): (318) 497-6053 (Fax): (318) 497-8099
(R): (318) 479-1227 E-mail:
dklocek@LC.Citgo.Com
Post Office Box 1562
Lake Charles, LA 70602

AICHe New Orleans Section

American Institute of Chemical Engineers
Jim Dean, P.E., President
(O): (504) 576-7174 (Fax): (504) 576-7425
(R): E-mail: jdean1@entergy.com
639 Loyola Ave.
MU L-Ent-6B
New Orleans, LA 70113

AICHe Baton Rouge Section

American Institute of Chemical Engineers
Bob Baker, President

ASAE Baton Rouge

American Society of Agricultural
Engineers
Dan Martin
(O): (504) 388-6731 (Fax): (504) 388-2478
E-mail: dmartin@agctr.lsu.edu
117 Knapp Hall
LSU POB 25100
Baton Rouge, LA 70894-5100

ASAE Baton Rouge

Mark B. Dubroc, P.E., President
ASCE Louisiana Section
American Society of Civil Engineers
(O): (318) 989-4545 (Fax): (318) 989-4546
(R): (318) 237-4212
2130 Kaliste Saloom Road, Suite 200
Lafayette, LA 70508

ASHRAE New Orleans Chapter

American Society of Heating Refrigeration
& A/C Engineers
Buddy Hodge, President
(O): (504) 837-2346 (Fax): (504) 834-7532
(R): (504) 362-6219 E-mail: bhodge@prodi-
gy.com
Air-side Equipment Inc
PO Box 8208
Metairie, LA 70011

ASME Baton Rouge Section

American Society of Mechanical Engineers
Miller W. Kerr, P.E., Chair
(O): (504) 275-9873
11733 Millburn Drive
Baton Rouge, LA 70815-6326

ASME Sabine/Lake Charles Chapter

American Society of Mechanical Engineers
Joe Churchman, Chairman
(O): (318) 497-7413 (Fax): (318) 497-8636
(R): (318) 474-7383
1601 Whispering Woods Drive
Lake Charles, LA 70605

ASME New Orleans Section

American Society of Mechanical Engineers
Robert F. Wilson, P.E., Chair
(O): (504) 599-5359 (Fax): (504) 522-0554
(R): (504) 394-9558
5836 Oxford Place
New Orleans, LA 70131-3916

ASME ArkLaTx Section

American Society of Mechanical Engineers
Patrick C. Lashley, Chair
(O): (318) 865-6351 (Fax): (318) 868-1701
Baird Industries
PO Box 61115
Shreveport, LA 71136-1115

IEEE New Orleans Section

Institute of Electrical and Electronic
Engineers
Rowland James, President
(O): (504) 576-6246

IES New Orleans Section

Illuminating Engineering Society of N.A.
William Lindsey, President
(O): (504) 455-6045 (Fax): (504) 885-3781
4300 South I-10 Service Rd West #111
Metairie, LA 70001

IIE New Orleans

Institute of Industrial Engineers
Garard Logreco, President
(O): (504) 257-3741
1313 Melody Drive
Metairie, LA 70002

ITE Deep South Section

Institute of Transportation Engineers
Chris G. Morvant, P.E.,
(O): (504) 436-3105 (Fax): (504) 436-0307
41 Asphodel
Marrero, LA 70072

LEF

Louisiana Engineering Foundation
Waldemar S. Nelson, P.E., President
(O): (504) 523-5281 (Fax): (504) 593-5261
(R): (504) 866-3641 E-mail: waldemar.nel-
son@wsnelson.com
1200 St. Charles Avenue
New Orleans, LA 70130-4334

LSPECS

Louisiana Society of Professional Engi-
neers in Civil Service
Jesse McClendon, P.E., President
(O): (504) 375-0168 (Fax): (504) 375-0260
(R): (504) 748-9704 E-mail:
Post Office Box 44311
Baton Rouge, LA 7080-44311

LSPS

Louisiana Society of Professional Surveyors
Charles G. Coyle, President
(O): (318) 746-8987 (Fax): (318) 742-1018
(R): (318) 326-5571 E-mail:
Post Office Box 6177
3925 Benton Road
Bossier City, LA 71171-6177

NSPE

National Society of Professional Engineers
Jack D. Hinton, P.E., President
(O): (913) 273-1700 (Fax): (913) 271-2194
E-mail: jhinton@nspe.org
3401 S. W. Alameda Dr.
Topeka, KS 66614

SWE Greater New Orleans Section

Society of Women Engineers
Christi Robinson, E.I.T., President
(O): (504) 835-4252 (Fax): (504) 835-0009
E-mail: christi.robinson@us.mw.com
3501 North Causeway Blvd Suite 400
Metairie, LA 70002

SWE Baton Rouge Section

Society of Women Engineers
Eleanor Carmena, President
(O): (504) 379-1556 (Fax): (504) 379-1853
(R): (504) 927-4216 E-mail:
103227.2031@Compuserve.com
7744 LaSalle Avenue #28
Baton Rouge, LA 70806-8354

Career Fair Exhibit at Tulane University

The Louisiana Engineering Society recently sponsored a booth at the Tulane Career Fair, November 2, 1996 sponsored by the National Society of Black Engineers. Lonnie Bassett, Bodin Hugger, Leon Hinson and J.M. Drake took turns manning the exhibit and talked with students about choosing engineering as a career. Many students were interested in how to become a registered professional engineer and enjoyed asking questions and hearing the comments of our society engineers who encouraged the students to continue their studies and to consider making engineering their chosen profession. Information about becoming a member of LES and NSPE was provided to the students.

NEW REGISTRANTS

The Louisiana Engineering Society would like to congratulate the following new registrants of the Board of Registration. These Engineers have passed their professional engineer exam and are far along in the continuum of becoming a registered professional engineer. LES invites these individuals to any local or state meetings and encourages LES members to personally contact these new registrants and bring them to a chapter meeting.

If you would like more information about joining your professional organization, contact Brenda Gajan at (504) 344-4318. Again congratulations on your achievement!

New Registrants for the Period 07/23/96-10/28/96

CHEMICAL

Triangle Man-Tsao Yang
SULPHUR, LA
Joseph Lee Woolbert
LONGVIEW, TX
Thomas Richard Eizember
BATON ROUGE, LA
Christopher N. Jackson
ORANGE, TX
Calvin Lionel Spencer, Jr.
HOUSTON, TX

CIVIL

Byron Douglas Webb III
KATY, TX
Roger Joseph Haddad
SUGAR LAND, TX
Thomas June Melton
AUSTIN, TX
Dean Takeo Kashiwagi
MESA, AZ
Clifford Robert Paul
SCOTTSDALE, AZ
John Alfred Martin, Jr.
REDONDO BEACH, CA
James Andrew Shiner
CORPUS CHRISTI, TX
Samir Albert Lawrence
GLENDALE, CA
Frank Sung Lam
AUSTIN, TX
Robert Bradley Graham
LITTLE ROCK, AR
Muhammad Nael Almahayni
CABOT, AR
John Livingston Elam, Jr.
HOUSTON, TX
Satyen Mohan Guha-Biswas
DALLAS, TX
Bobby Ray McMakin
LULING, LA
Oscar Lee Coston, Jr.
GRETNAL, LA
Nicola Cinali
VOORHEES, NJ
Frederick Harold Inyard
EAST NORTHPORT, NY

William Palmer Dixon
RALEIGH, NC
Michael David Yost
JACKSON, MS
Peter William McMaster
MEMPHIS, NY
James Michael California
DOVER, PA
Gregory Ray Miller
MERIDIAN, MS
David Carmichael Fischetti
CARY, NC

Joseph Talago III
BISMARCK, ND
Edward Arthur McBean
WATERLOO ONTARIO,
Bennett Dean Reischauer
MUSCATINE, IA
Kevin M. Finn
GOSHEN, IN
Cary Alan Hannon
GRAYSON, GA
Steven D. Space
LAWRENCEVILLE, GA
Charles Michael Nolan
JACKSONVILLE, FL
Daniel Edward Maschmann
WASHINGTON, MO
Manuel Martinez
ORLANDO, FL
Larry Dale Swan
ST LOUIS, MO
Keith Earl Christian
ST. LOUIS, MO
James Arthur Hartin
BIRMINGHAM, AL
Donald Beverly Heacock, Jr.
MONTGOMERY, AL
John Edward Aultman
COLUMBUS, MS

CONTROL SYSTEMS

Gary Bryant Odom
CONYERS, GA

ELECTRICAL

David Grant Newman
DULUTH, GA
Francis Joseph Kalten
WEST CHESTER, PA
Michael George Anastasio
WAYNE, PA
Louie James Powell, Jr.
GLENNVILLE, NY
Russell Alan Bleeker
KENNER, LA
Gary Edward Senical
QUEENSBURY, NY
William Graham Brandt, Jr.
RICHMOND, VA
Roy Helmut Buchert
MONTGOMERY, IL
Paul Allen Lochte
BROKEN ARROW, OK
Douglas Ketcham Phillips
TULSA, OK
Jon David Scarborough
FORTH WORTH, TX
Rajinder Krishan Soni
HOUSTON, TX

ENVIRONMENTAL

Subrata Bandyopadhyay
HOUMA, LA
Kirtland Richard Wilkes
BATON ROUGE, LA
William Fraser McHie
BATON ROUGE, LA
Christopher Howard
Schreiber
JEFFERSON CITY, MO

MECHANICAL

Alexander Steven Butkus
EVANSTON, IL
James Henry Gill
KIRKWOOD, MO
Ronald Gene Holdaway
FRANKLIN, TN
Charles McDuffee Pyron, Jr.
BIRMINGHAM, AL

David Osborne
CATLETTSBURG, KY
Charles Gavin Clayton III
YAZOO CITY, MS
George Francis Bourassa
CHICAGO, IL
Greg Howard Klebanoff
LONGWOOD, FL
Jonathan Edwards Currier,
Jr.
NORCROSS, GA
Michael Paul White
MEDIA, PA
William John Karges, Jr.
MINNEAPOLIS, MN
Robert Adam Wierschem
DALLAS, TX
Joseph Ralph Cimini
LAKE CHARLES, LA
Lynn Curtis Brown
HOUSTON, TX
John Henry Wawzeniak
ARLINGTON, TX
David Mason Burke
FRISCO, TX
Larry Michael Romine
BROKEN ARROW, OK
William Dwayne Pryor
CONWAY, AR
Edgar Kader Riddick III
LITTLE ROCK, AR
James Raymond Meyer
PLANO, TX
Martin Howland Denicke
MILL VALLEY, CA

ENGINEERS IN TRAINING

James Arnold McClurg
VICTORIA, TX
Anthony Blair James
BEAUMONT, TX
Anita Faye Swanigan
BATON ROUGE, LA
Balaji Narsipur Sastry
BATON ROUGE, LA
Gary Stephen Hamer
HARAHAN, LA

Bruce Hamill Weaver III
BATON ROUGE, LA
Essam Amer Makhlof
BATON ROUGE, LA
Li Li
NEW ORLEANS, LA
John Devin Cagnolatti
BATON ROUGE, LA
Hariz Cumurovic
NEW ORLEANS, LA
Robert Stanley Walker
BATON ROUGE, LA
Gene Leon Adoue
NEW ORLEANS, LA
Adrian Vaughn Mitchell
BATON ROUGE, LA
Oleg Alexandrovich Pimenov
NEW ORLEANS, LA
James David Dupree
RAYVILLE, LA
David DeRoussel
HOUSTON, TX
Dalton Lee McCaffrey II
SLIDELL, LA
Jing Shi
BATON ROUGE, LA
Donald Wayne Wiley, Jr.
ATLANTA, TX
Thomas Moles Rich
SLIDELL, LA
Zheng Ning
BATON ROUGE, LA
Ahmet Sanli Ozkan
BATON ROUGE, LA
Sridhar Dommasandra
Seenappa
MANDEVILLE, LA
Bryant Stanley Bernhard
MANDEVILLE, LA
Christopher Samuel Chaudoir
LAFAYETTE, LA
John Alden Masters
MONROE, LA
John Burke Fontenot, Jr.
PORT BARRE, LA
Abdullah Bari
RUSTON, LA

Craig Jude Fuselier **
ST MARTINVILLE, LA
Kenneth Brad Banks
WINNSBORO, LA
Jeffery Lance Kelly
MANY, LA
Mei Zhu
NEW ORLEANS, LA
Ennis David Johnson
NEW ORLEANS, LA
Wenbing Zheng
BATON ROUGE, LA
Wensen Li
BATON ROUGE, LA
Michael Ray Ellis
BATON ROUGE, LA
Sanan B. Shaibani
NEW ORLEANS, LA
Aruna Kumar Tripathy
BELLEVILLE, MI
Alexander Michael Moore
MIDDLETOWN, RI
Helal Uddin Ahmed
LOUISVILLE, KY
Ronald Britto
MEMPHIS, TN
Ashish Hariomprakash Raval
KENNER, LA
Hui Zhan
HARRISON, NJ
Michael Ray Brown
METAIRIE, LA
Richard Jude Boover
METAIRIE, LA
Gene Shawn Gillen
METAIRIE, LA
Jeffery Michael Pena **
MAGNOLIA, MS
Jon Alan Cabiro
KENNER, LA
Tao Li
NEW ORLEANS, LA
Alex Federico Schmidt
NEW ORLEANS, LA
Duc Huynh Ngo
HARVEY, LA

** denotes LES member

The Spec Sheet

Continued from page 7

is offering a great publication for the thinking person:

HOW TO THINK LIKE A CEO: The 22 Traits You Need to be the Person at the Top

by D.A. Benton

What makes a CEO? The title? Hardly. The person poised on the ladder with his foot on the next rung is the person who can

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- take calculated risks
- be able to look at the overall picture

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- is smart; has taken full advantage of educational opportunities

Here's a book that tells you in simple terms what a CEO is, what he or she habitually thinks, and how this person approaches the responsibility of being the head honcho. HOW TO THINK LIKE A CEO also offers a guide on how to bridge the gap between the CEO and the workers; how to handle criticism; and on obstacles in the CEO's path.

No matter where you are in your company's hierarchy, you certainly want to make progress HOW to THINK. This valuable and very easy-to-read book will tell you exactly how to do this. If you read it now, and again as you inch toward your next goal, you will

be prepared and ready to get to the top of the ladder when the right time comes.

Place your order now with the American Consulting Engineers Council, 1015 15th Street, N.W., #802, Washington, D.C. 20005, TEL # (202) 347-7474.

Book # 2114, 470pp, 1996, \$23.95, \$4.00 shipping/handling, PREPAID

♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦

Zweig White Announces 1996 Marketing Survey . . .

It wasn't very long ago that professionals thought it was sleazy to market their services. In fact, the formal credos of architects and engineers went so far as to prohibit it.

Continued on page 18

If You Can't Beat City Hall — Design It

That is exactly what 28 teams of 7th and 8th grade students teachers and engineers are doing across the state of Louisiana. These teams began in October designing new cities using the computer game SimCity 2000 by Maxis in the sixth annual National Engineers Week Future City Competition. In this competition, the teams of three students, a teacher and an engineer work together with city officials and leaders of business and industry to design cities of the 21st century that are environmentally and people friendly, as well as cost effective. According to David Pierce, the Chairman of the 1996-97 Louisiana Future City Competition, "The Future City Competition is a cleverly disguised, pre-college math and science program that introduces students to engineering, practical problem solving and their communities. The students learn to apply current technology to solve real life problems and must work as a team to design their cities. The students must apply a wide range of skills in this fun, hands-on program and must deal with city departmental budgets, taxes, zoning, crime, fire protection and pollution. To win the competition, the students must develop a city in which the citizens will want to live, work and play."

Once the teams design their cities on the computer, they build a scale model of a section of their cities, research and write an essay about an aspect of city development and then will compete in the state competition at the LSU Student Union on the Baton Rouge campus on January 18, 1997. The winners of the state competitions travel to Washington, D.C. to compete in the national finals during National

Engineers Week in February 1997. In past competitions, state champion teams won cash prizes for themselves and their schools and the national champion teams won trips to U. S. Space Camp.

This is the second year that students from across Louisiana will be able to compete in a state competition. Last year 27 teams, from all corners of Louisiana, entered the competition and the state winner, McKinley Middle Magnet School from Baton Rouge, went on to win third place at the national competition. This year's competition is being sponsored by the Louisiana Sections of the Institute of Electrical Electronic Engineers, the IEEE, LSU and Southern University Student Branches, the Louisiana Engineering Society, as well as other engineering, educational and business organizations from across the state.

An awards banquet will be held at the LSU Student Union on the evening of the state competition. Dr. Charles Alexander, IEEE's President, will be the keynote speaker and will share with all his vision of engineering in the 21st century. All are invited to attend the banquet and celebrate the future of Louisiana. Banquet tickets can be purchased from the Louisiana Future City Coordinator at a cost of \$20/citizen. Please purchase your tickets prior to January 5, 1997 if you plan to attend. If you can not attend the banquet, but would like to support this project, please send your donation to:

Louisiana Future City Competition Attn.: David Pierce c/o Brooks & Jackson, Inc 5551 Corporate Blvd., Suite 1-B Baton Rouge, LA 70808 (504) 922-9992 FAX (504) 926-2700 E-mail d.pierce@ieee.org.

The Spec Sheet

Continued from page 17

Well, today, firms are spending at record levels on marketing staffs, marketing systems, marketing materials, marketing consultants, and more. But are firms using marketing to their best advantage? What about your firm?

Announcing the revised, updated 1996 Marketing Survey for A/E/P & Environmental Consulting Firms. This is the book that breaks new ground in the understanding of how professional service firms go about the critical business of marketing and selling their services. Now in its third edition, the report is based on an in-depth, nationwide survey of more than 250 consulting engineering, architecture, and environmental consulting firms of virtually every size, type and description. A veritable mountain of information has been distilled and analyzed to help define the state of the art in marketing professional services.

The Marketing Survey won't tell you what to sell. It won't necessarily tell you how to sell. But it's the most comprehensive source there is for marketing statistics that let you measure where you stack up:

Winning on just one out of every three proposals?

Well, you're not alone - that's normal for A/E and environmental consulting firms.

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Topics covered include marketing staff (with compensation data), systems and processes, promotional activities, marketing budgets, strategies, and much more.

Find out what your competitors know about marketing that you don't; how many marketing people you really need; what are reasonable goals for business development calls, sales per person and proposal "hit rates".

The price of this new report is \$250, plus \$4 shipping and handling. TO ORDER, CALL ZWEIG WHITE TOLL FREE AT 1-800-466-6275, OR FAX YOUR ORDER AT (508) 653-6522. ZW WILL SHIP YOUR REPORT IMMEDIATELY VIA USPS PRIORITY MAIL. FEDERAL EXPRESS DELIVERY IS ALSO AVAILABLE. YOU MAY CHARGE YOUR PURCHASE TO VISA, MASTERCARD, OR AMERICAN EXPRESS. Of course, if you're not completely satisfied, return the book for a complete and immediate refund.

If you're looking for more than "fluff" on marketing, want to know more what's "normal" for salaries, spending, goals, and performance, get the Survey. Rather than finding answers by trial and error, turn to Zweig White & Associates for up-to-date research

data exclusively focused on the design and environmental professions.

◆◆◆◆◆◆◆◆◆◆

COMING ATTRACTIONS...

Consulting Engineers Council of Louisiana announces several meetings and seminars of note in the coming months:

- **Public Bid Law Seminar - An Explanation and the Requirements Necessary to Conform to the Law.** This timely seminar will occur in early 1997, DATE AND LOCATION TO BE ANNOUNCED.
- **Design Professionals Day** - a repeat of last year's successful day-long event, this function will be sponsored by CEC/L and several other design professional organizations. It will occur early into the 1997 Regular Session of the Louisiana Legislature. DATE AND LOCATION TO BE ANNOUNCED.
- **American Consulting Engineers Council's Annual Convention** - May 11-14, 1997 - Opryland, Nashville, Tennessee.
- **Consulting Engineers Council of Louisiana's Annual Convention** - June 13-15, 1997 - The Grand Hotel, Point Clear, Alabama.

Member Placement Service

Participation in the LES Member Placement Service program is offered at NO CHARGE to members in good standing (current year dues paid). Qualified members seeking employment in engineering positions may submit a "positions wanted ad" of 50 words or less. Ad must contain the following: position desired, brief description of experience, years of experience, degree (specialty or major, name and location of school), license type, and relocation status (if desired). A code number will be assigned to your ad in order to protect the confidentiality of your search for employment. NOTE: DO NOT SEND RESUMES! Only ads of 50 words or less, containing the information requested, will be accepted.

Submit ads to: Louisiana Engineer, ATTN Classified/MPS, P. O. Box 2683, Baton Rouge, LA 70821. For additional information, call the LES office at (504)344-4318. You may fax your ad to LES at (504)344-4319.

Employer: If you are interested in speaking with any of these or other LES member candidates seeking employment, please complete this form and mail to LES, P. O. Box 2683, Baton Rouge, LA 70821 or fax to (504)344-4319.

Name: _____

Company: _____

Title: _____

Address: _____

City: _____ State: _____ ZIP: _____

Phone: _____ Fax: _____

Ad number(s): _____

LES will contact the member candidate to inform him/her of your interest and will be given the name and phone number of the person from your company that desires an interview or discussion. The member candidate is responsible for contacting the company directly if he/she chooses. LES does not guarantee that the company will be contacted by the candidate or that the candidate will obtain employment as a result of this service.

I understand that my company will be charged a \$75 administrative service fee upon confirmation that a qualified candidate has secured employment with my company through this Service.

Name (please print): _____

Signature: _____ Date: _____

POSITION WANTED ADS

(Current as of October, 1996)

#5952

Electrical Engineer, seeking entry level electrical engineering position. Experience has been primarily oil field related. Presently employed by an international oil field service company as a field engineer. Have worked in electronics maintenance as a summer internship and also as an electrician's helper in a temporary summer position. Graduated from LSU in 12/94 with a BS degree in electrical engineering, registered EIT.

#6961

Chemical Engineer, E.I.T., BSChE-Louisiana Tech - 1995, seeks entry level position. Currently working for software company as production assistant, one summer land surveying, and two years bookkeeping and manager of photography company. PC experience including MS Windows, Word, and Excel. Available to relocate and travel if necessary.

#9961

Civil/Structural Engineer, P. E., in multiple states, BSCE and MS from Tulane University, 16 years structural design experience, seeking structural design position outside the New Orleans area.

IN MEMORIAM

A donation to the
LOUISIANA
ENGINEERING
FOUNDATION

is a fine way to remember and honor a departed friend. A call, a fax or a letter to the Secretary of the L.E.F. is all that is

necessary to make your donation. The family of the deceased will be promptly notified, and the friend's name will be recorded in the Foundation's register.

Please contact Leta Bueto at
5717 Landmoor Drive, Greenwell Springs, LA 70739
or phone (504) 261-7007.

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Engineers' Continuing Professional Competency Requirement Update / Status in States

(as of August 5, 1996)

Mandatory Program in Effect	Enabling Authority	Under Study (cont.)
Alabama	Arizona	Nebraska
Georgia	California	New Hampshire
Iowa	Guam	New Jersey
New Mexico	Indiana	New York
North Carolina	Minnesota	North Dakota
South Dakota	Montana	Ohio
West Virginia	Oklahoma	Pennsylvania
Wyoming	Oregon	Rhode Island
	Tennessee	Wisconsin
	Utah	
	Vermont	
	Virginia	
Mandatory Program Under Development	Under Study ³	No Reported Activity
Arkansas	Alaska	
Kansas ⁴	District of Columbia	
Michigan	Maryland	
Nevada	Northern Marianas	
South Carolina	Puerto Rico	
	Washington	
	Virgin Islands	
Voluntary Program in Effect		
Delaware ²		
Florida ¹		
Illinois ¹		
Texas ²		

Note: Information provided by NCEES, NSPE State Legislative Network.

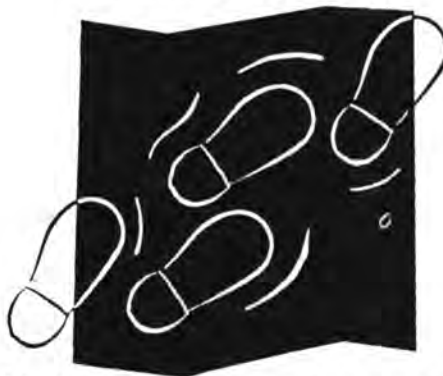
¹ Administered by professional society.

² Administered by licensing board.

³ Category encompasses a broad range of activity that has been reported by either the state PE licensing board or the state PE society, including study reports and board discussions.

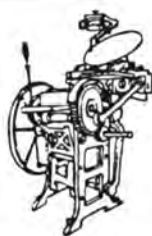
⁴ Rule adopted. PDHs to be required for licensing renewal as of March 31, 1998.

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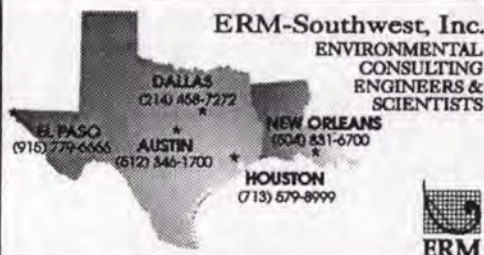


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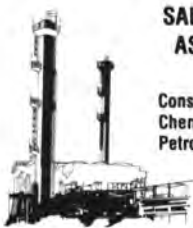


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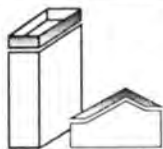
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