



The Missouri Engineer

The official publication of the Missouri Society of Professional Engineers
whose mission is to promote the ethical and competent practice of engineering

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MoAPELSLA Engineering Division Meeting

MSPE's Vice President Britt Smith, P.E., (left) and Executive Director Bruce A. Wylie (right) met with Missouri Board of Architects, Professional Engineer, Land Surveyors and Landscape Architects' engineering division members (from left to right) C. Royce Fugate, P.E., Kevin C. Skibiski, P.E. and Abiodun "Abe" Adewale, P.E. at their January 2010 meeting in Jefferson City where they discussed proposed legislation amending Chapter 327 RSMo which regulates MoAPELSLA and the professions it oversees; posting licensee actions on their website; developing a long range strategic plan; and word from the Division of Professional Registration that the Governor is proposing legislation to sweep \$1.6 million of the Board's reserve fund to help balance the state's budget.



MSPE Troubled By Auditor's QBS Statements

MSPE is concerned about remarks Missouri State Auditor Susan Montee is quoted as making on the selection of engineering services when called on to do local government audits.

"Our society works very hard to educate state agencies and political subdivisions about QBS and the positive impact it makes to the public's health, safety, and welfare. We depend on Missouri's elected officials to represent the full and accurate intent of the law." MSPE's March 10 letter signed by Executive Director Bruce Wylie said.

MSPE was prompted to write the letter when the Columbia

"Good business practice says you bid these services out," State Auditor Susan Montee on selecting engineering services

Daily Tribune newspaper wrote an article last month about the 2010 audit report on transportation development districts which read: "State law doesn't require districts to solicit proposals for professional services, but Montee said it's a good idea. 'Good business practice says you bid these services out,' she said."

In its letter, MSPE contends the term "bid" when used in this context implies that

agencies should attempt to find the cheapest professional services provider when in fact, state law (RSMo 8.285-8.291) prohibits public agencies -- including cities, counties, school districts, water districts, and transportation development districts, among others -- from bidding out professional engineering services.

The society's letter goes on to point out the Transportation Development Districts, February 2010, Report 2010-22 and other reports prepared by the State Auditor's department has mischaracterized the QBS process by suggesting cost is a factor when determining

the most qualified firm. The fundamental tenant of QBS is that professional services providers are selected based on their qualifications and experience and cost is only negotiated after the most qualified provider has been selected.

MSPE has offered to have representatives meet with the state auditor to discuss these issues. MSPE President Ben Ross, P.E. says the society will continue to vigorously challenge public officials who mischaracterize the QBS requirements mandated by state law. Ross asks that members, "Please notify the MSPE staff of any QBS related issues you encounter."

President's Message: Seeing The Big Picture

By Benjamin A. Ross, P.E.
MSPE President

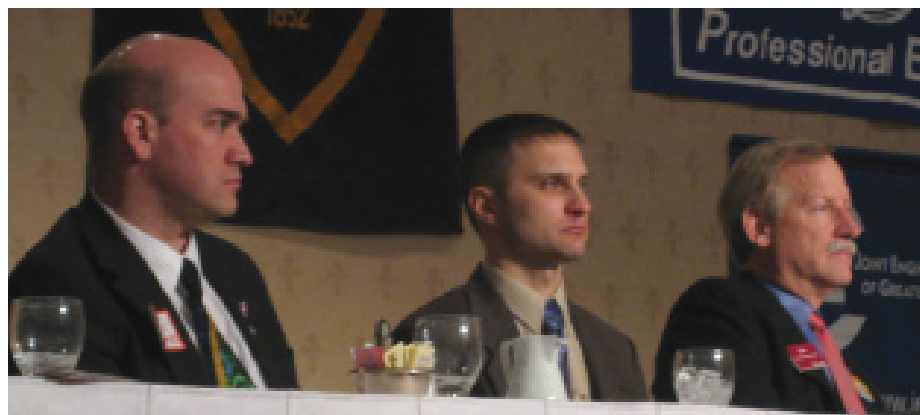
The past few months have been a busy time for MSPE's Executive Committee. Here are some of the highlights:

State-Only Membership

NSPE's Board of Directors endorsed the NSPE Continuity Task Force's plan to allow states to officially offer two-tier membership. MSPE Past President Mike Meyers, P.E. serves on this committee. Mike deserves a big thank you from MSPE for his hard work. I am quite relieved NSPE is focusing on new ways to make sure both the state and national society prosper. *See related article on this page*

FE Test Graduation Requirement

MSPE received a response from UMC College of Engineering Dean James E. Thompson, Ph.D., P.E. to our letter encouraging all of Missouri's engineering schools to include



MSPE President Ben Ross, P.E. (left) sits at the Engineers Week Lunch head table with Western Chapter's Young Engineer of the Year Clint Mason, P.E. (center) and President Joe Marsh, P.E. (right).

passage of the FE test as a graduation requirement. Dean Thompson's letter described the discussions that took place among the engineering faculty, but politely decided not to implement our recommendations.

City of Columbia PE Issue

MSPE responded to the City of Columbia's proposal to remove the professional engineering licensure requirement for the Water and Light Department Director from the City Charter as part of the department's restructuring. City of Columbia officials, in a meeting with MSPE, agreed to make sure only licensed engineers have the authority and independence to protect the public's health, safety, and welfare. *See Page 3 for more details.*

Budget

During the Executive Committee's meeting in January, we discussed MSPE's budget in executive session. MSPE has been running a deficit budget for several years, but luckily we have a healthy reserve fund to use for these "rainy days." However, we cannot continue to spend down our reserves and challenged Executive Director Bruce Wylie to present a balanced budget plan for FY 2010-2011. No membership dues increases were to be included in the proposed budget, but nothing was off the table, including staff salaries, as far as spending cuts. The Executive Committee is planning a phone conference to talk about the budget before we meet again on April 9, 2010.

Auditor's Statements

Missouri's State Auditor was quoted by a Mid-Missouri newspaper as encouraging public agencies to bid their engineering services instead of using Qualifications Based Selection (QBS) required by state law. MSPE wrote to the Auditor asking for a retraction of her statements that

were contrary to State Law. *Read more about this issue on Page 1.*

Annual Convention

Join us for fun time on June 13-16, 2010 and help chart our course into the future. The Annual Convention planning committee is finalizing a schedule featuring great speakers and lots of networking opportunities for our meeting at the Lake of the Ozarks. We will be staying at the lake's newest resort hotel, Camden on the Lake.

Engineers Week

As MSPE President, I had the opportunity to attend several Engineer's Week functions around the state including the Kansas City Engineer's Lunch, St. Louis Chapter's Awards Presentation, and the Central Chapter Engineer's Week meeting. These were all outstanding functions. Thank you for the opportunity to celebrate Engineers Week with your chapters.

At the Western Chapter's Engineer's Lunch I was allowed two minutes to address the 700 or so attendees. I was trying to think of an inspiring engineering story to tell the group when I thought of the following true story that happened this past Christmas:

I was visiting with family over the holidays and, believe it or not, I was in the kitchen helping with dishes while my niece and mother-in-law decorated cookies. My mother-in-law asked my 11-year-old niece: "What do you want to be when you grow up?" My niece said, "I don't know." That's a perfectly good answer for an 11-year-old.

I thought to myself, this is a great opportunity to encourage a young lady to consider a career in engineering. She would love to hear about the sewers, and roads, and water mains I design... But then I thought of the big picture and said: "How about a profession where every

day you: Improve the quality of life for people in your community; protect the environment; bring light to the darkness; save more lives than doctors; and make the world a better place. That's what I do, I'm an engineer." As soon as I said "that's what I do," my niece spun her head spun around and gave me a look like "Whatever!"

My Mother-in-law asked: "How do you save more lives than doctors?" And I explained how engineers provide clean drinking water and sanitation to prevent disease. Who knows, maybe this seed of an idea will grow into our next generation of engineers.

On Engineers Week and every week, let's try to see the big picture. The world would be a drastically different place without engineers.

NSPE Board Accepts Proposal To Allow State-Only Membership

National Society of Professional Engineers (NSPE) Board of Directors voted unanimously, to accept recommendations that will, upon approval of proposed NSPE bylaw changes, allow state societies to implement two-tier membership as outlined in a report by the NSPE Continuity Task Force. The task force was appointed by NSPE President Sam Grossman, P.E. to find a compromise that would allow those states that wanted to offer two-tier, or state and local, membership to do so while at the same time allowing NSPE to offer a national only membership option in those states. The report includes proposed bylaws changes and a new Operating Procedure to implement its recommendations. It was the underlying intent of the task force to maintain strong state societies and a strong national society.

MSPE Past President Mike Meyers, P.E., the North Central Region Representative on the NSPE Board of Directors and member of the NSPE Continuity Task Force, reported some of the NSPE Board members did not necessarily agree with the State-Only / National-Only concepts, however they could, in the spirit of compromise, support the task force report. Minor tweaking to the proposed bylaw changes for consistency and proposed Operating Procedure were still being discussed by the Task Force at press time, but the general intent of the original report was to remain the same. All of the NSPE Board will be making a concerted effort to get this passed at the House of Delegates (HoD) meeting in July.

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Columbia City Manager, MSPE Discuss Move to Remove P.E. Licensure Requirement for Water and Light Department Director

MSPE President Ben Ross, P.E. and Executive Director Bruce Wylie met on February 22, 2010 with Columbia City Manager Bill Watkins, Acting Columbia Water and Light Director Mike Schmitz, P.E. and John Conway, P.E., chair of the Columbia Water and Light Advisory Board and MSPE member, to discuss the Columbia City Council's proposal to remove the professional engineering licensure requirement from Section 99 of the City Charter which outlines the qualifications of the Director of Columbia's Water and Light Department. The proposal to change the City's Charter will be voted on in the April 6, 2010 election.

MSPE is concerned this proposal would ultimately permit a non-licensed person to perform engineering responsibilities,

because the powers and duties of the Water and Light director outlined in Section 100 did not change; these include serving as the operating engineer of the water and light plants, having charge of the physical properties of the water and light plants, designing and constructing water and light plants, and having charge of the mechanical and engineering work of the department.

The meeting was the result of a letter MSPE's President wrote on behalf of the society to the Columbia City Manager expressing that the engineering powers and duties outlined in Section 100 of the City Charter can only be performed by licensed professional engineers in accordance with RSMo 327. At the meeting, Watkins explained how the City is making organizational changes

to the Water and Light Department in order to expand the pool of potential department directors while leaving the engineering functions to the licensed staff. Watkins stated that the City would prefer to hire a licensed professional engineer for the director position and that whether the director was licensed or not, the director would work through their licensed staff to accomplish the department's engineering duties as outlined in the City Charter. The need for the professional staff to have the authority and independence to utilize their professional engineering judgment to protect the public's health, safety and

See the City of Columbia's advertisement for the Water and Light Department Director on Page 6.

welfare was emphasized by MSPE.

Following the meeting, Watkins wrote a letter assuring MSPE that only licensed professional engineers will have responsible charge of engineering functions following the department's reorganization.

Mr. Watkins also proposed the City of Columbia run an advertisement in The Missouri Engineer advertising the director position. MSPE's Executive Committee debated whether the society should help an agency remove the P.E. requirement from a position by printing their advertisement, but decided that publishing the ad could actually maximize the possibility of a licensed engineer being selected for the director position; especially when combined with this informative article.

FE Exam Policy Supported By Board of Directors

At their Winter Meeting on January 23, 2010, MSPE's Board of Directors voted 25-4 to support a policy of "requiring students to pass or make a good faith effort to pass the NCEES Fundamentals of Engineering (FE) exam as a graduation requirement." The vote came following the Executive Committee's action of sending an informational letter to the deans of Missouri's school of engineering deans advising them of MSPE's position and encouraging them to provide their school's views on the subject. So far, only Dean James E. Thompson, Ph.D., P.E., has responded to the letter.

In other action, the Board of Directors:

- Observed a moment of silence for deceased members: William E. Chamberlain, P.E., James R. Knox, P.E., Donald D. Myers, P.E. and Hossein A. Novin, P.E.

- Supported MSPE's signing a Memorandum of Understanding with the AIA/Missouri, Missouri Society of Professional Surveyors and the Missouri Association for Landscape Architects outlining future dealings with the MoAPELSLA.

- Acknowledged the Internal Audit Committee's report, which found no major issues MSPE's bookkeeping for the last fiscal year.

- Heard from President Ben Ross, P.E. that NSPE sent letter alleging bylaws violations because MSPE is allowing two-tier memberships. Ross explained the letter was expected, and the board should not be overly concerned because NSPE's Board of Directors unanimously



MSPE's Board of Directors (top) act on agenda items at their Winter Meeting. At right, state directors (facing forward, from left to right) David Bange, P.E., Michael Purol, P.E. and Jason Sommerer, P.E. talk with MSPE Vice President Britt Smith, P.E. (facing away) before the board meeting.

approved the Continuity Task Force report which establishes bylaws and operating procedures to provide national-only and two-tier (state and chapter) membership options. It was pointed out NSPE House of Delegates will be voting on this issue in July. (*See related article on Page 2*)

- Recognized Past President Mike Meyers, P.E., current North Central Region Representative to the NSPE Board of Directors and member of the NSPE Continuity Task Force, for his tireless efforts in advocating two-tier membership.

- Received the financial report from Treasurer Neil S. Brady, P.E. indicating a budget shortfall. Executive Committee members explained they've asked the MSPE staff to make immediate cuts in this year's expenditures, and also charged Executive Director Bruce Wylie to introduce a balanced budget for 2010-2011 without increasing membership dues.

- Granted life membership to Ulysses Carriker, P.E.; Joel Cerwick, P.E.; James Hummert, P.E. and Leonard Kirberg, P.E. The board also authorized retired membership for Larry A. Ross, P.E.

- Approved a request from Nominating and Tellers Chair Charlie Powell, P.E. to appoint Mike Meyers, P.E., Past President, Western Chapter; Breck Washam, P.E., State Director, St. Louis Chapter; John Huss, P.E., Past President, Central Chapter; and Mike Fritz, P.E., State Director, Jefferson City Chapter as committee members.

- Authorized a Resolution of Recognition for Eagle Scout Benjamin Jonah Gott, son of MSPE member Tony Gott, P.E.

- Unanimously approved the nomination of Ronald Zitterkopf, P.E. for NSPE Fellow.

- Referred St. Louis Chapter's Proposed Bylaws Changes to the Bylaws Committee for their review.

MSPE EDUCATIONAL FOUNDATION

Serving in their capacity as the Board of Directors for the MSPE Educational Foundation, the board:

- Authorized presenting a lease contract to the Missouri Community College Association that offers a two year extension with no increase in payment.

- Accepted the financial report from Treasurer Brady for the six-month period ending December 31, 2009.

- Applauded the Executive Committee's decision to have Investor Services' representative Bill Graves attend their April 9th meeting to review the Foundation's investments.

SEE US AT THE
**2010 Transportation Engineer
Association of Missouri
(TEAM) Conference**

March 17 - 19, 2010
Branson, Missouri
Booth #400

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
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MSPE Opposes “Sweep” Of Licensure Funds; Ethics Reform Language

By Bruce A. Wylie
MSPE Executive Director



It's the half-way point of the legislative session. An ever-increasing budget deficit - impacting this fiscal year and next - and ethics reform have dominated.

Unfortunately MSPE is being impacted by both concerns.

The Governor's office wants to sweep perceived excesses from various dedicated funds and convert them to general revenue to help balance the state's budget. This initiative is spelled out in two bills, SB 1000 by Senator Tim Green (D-St. Louis) and HB 2305 by Chris Kelly (D-Columbia). Both measures

seek legislative permission to “hijack” \$1.6 million of the Missouri Board for Architects, Professional Engineers, Land Surveyors and Landscape Architects' (MoAPELSLA) reserves set aside to protect architects, engineers, surveyors and landscape architects. The reserves are the result of careful management of your license fees and should be returned to the licensees if they are deemed to be excessive. I testified against SB 1000, and I urge you to contact your legislators regarding these bills and voice your feelings on using your license fees for general revenue funds.

I also testified against ethics reform bill, HB 1872, sponsored by Rep. Shane Scholler (R-Willard) because it specified that no “state agency or political

subdivision shall use any public resources to pay any membership dues on behalf of the agency or political subdivision or any officer or employee of the agency or political subdivision to any organization or association if such dues directly or indirectly pay all or part of the salary of any person required to register as a lobbyist under this chapter in an attempt to influence the passage or defeat of any matter pending before a legislative committee...”. Needless to say a considerable number of MSPE members work for state and local agencies and MSPE hires me and legislative consultant, Mark Rhoads, to lobby for you. This measure impacts many more groups than just MSPE. With all the opposition, it will be difficult for this language to progress through the legislative process.

MSPE is supporting HB 1639 by Rep. Jay Wasson (R-Nixa) which includes changes to RSMo 327 that includes the engineering licensure law. This bill will help the effectiveness of our licensing board. It has heard in committee and is expected to progress through the legislative process once the legislators return from Spring Break.

All MSPE members can be citizen lobbyists by contacting your state representative and state senator on a regular basis regarding the various issues we track at our website, www.mspe.org. That personal contact by you is invaluable as we represent your interests on a daily basis in the state capitol.

Professional Engineers Day At The Capitol

Members from the Missouri Society of Professional Engineers (MSPE) and the American Council of Engineering Companies of Missouri (ACECMo) participated in Professional Engineers Day at the Capitol on March 3, 2010. Mark Rhoads (pictured center right) of The Rhoads Company, LLC, lobbyist for both organizations, discusses this year's legislative session while Executive Director Bruce Wylie (top right) reviewed each group's legislative priorities including proposed amendments to the engineering licensure law, a potential sweep of funds from various state boards including the Missouri Board for Architects, Professional Engineers, Land Surveyors and Landscape Architects, the Missouri STEM program and ethics reform in the legislature. Members had an opportunity to meet with their legislators individually and attend group visits like the one below (lower left) with House Speaker Representative Ron Richard.



Sustaining Organizations

- ABNA Engineering, Inc.
St. Louis, MO
- Allgeier, Martin & Associates
Joplin, MO
- Ameren Services
St. Louis, MO
- American Concrete
Paving Association
Overland Park, KS
- Anderson Engineering, Inc.
Springfield, MO
- Anderson Survey Company
Lee's Summit, MO
- Barton Engineering Co., Inc.
Lebanon, MO
- Black & Veatch
St. Louis and Kansas City, MO
- Burns & McDonnell, Inc.
St. Louis and Kansas City, MO
- Central Missouri
Professional Services
Jefferson City, MO
- CEPCO, LLC
Ozark, MO
- Cook, Flatt & Strobel
Engineers
Topeka, KS
- Fred Weber, Inc.
Maryland Heights, MO
- George Butler Associates,
Inc.
Lenexa, KS
- Gibbens Drake Scott, Inc.
Raytown, MO
- M.J. Harden Associates, Inc.
Kansas City, MO
- Harrington & Cortelyou, Inc.
Kansas City, MO
- HNTB Corporation
Kansas City, MO
- Holmes Murphy
Overland Park, KS
- Lockton Companies
Kansas City, MO
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Springfield, MO
- Payne & Brockway, P.A.
Olathe, KS
- Scurlock Industries
Springfield, MO
- Shafer, Kline & Warren
Overland Park, KS
- TranSystems Corporation
Kansas City, MO
- University of Missouri-Rolla
Rolla, MO
- Walter P. Moore
and Associates
Kansas City, MO

Classifieds

CITY OF COLUMBIA, MO WATER AND LIGHT DEPARTMENT DIRECTOR OF WATER AND LIGHT

Possession of a Bachelor's degree in Engineering supplemented with a variety of training and/or education in Management or Business Administration and five years increasingly responsible administrative experience in utilities, preferably with electric utility emphasis; or any equivalent combination of education and experience which would provide the following knowledge, skills, and abilities: Thorough knowledge of engineering principles, practices, and methods. Thorough knowledge of prevailing laws, regulations, and present trends related to electric, water, and rail utility operation. Thorough knowledge of local government tax structure, industrial financing programs, and enterprise funding. Ability to analyze and evaluate complex engineering and operating issues, problems, and programs. Ability to prepare and present oral and written reports, presentations, and recommendations. Ability to successfully direct and evaluate subordinate personnel. Ability to establish effective working relationships with administrators, employees, legislators, boards and commissions, media representatives, and the general public. Ability to manage enterprise operations and major capital improvement projects. Excellent work history and attendance record. *Registration as a Professional Engineer, with ability to be registered in the State of Missouri. Possession of a valid Missouri driver's license and an excellent driving record.

**Note: A charter amendment removing this requirement is on the April 6, 2010 municipal election ballot.*

Contact our HR Dept. at 573-874-7235, located at 600 E. Broadway, Columbia, MO or visit our website at

GoColumbiaMo.com.
PREFERRED DEADLINE:
Monday, March 29, 2010
EOE: M/F/D/V

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To place your classified advertisement, please contact The Missouri Engineer editor, Cherie Bishop at cheriebishop@mspe.org or call 573-636-6949.

Visit our web site at www.mpse.org for more information about advertising in The Missouri Engineer.



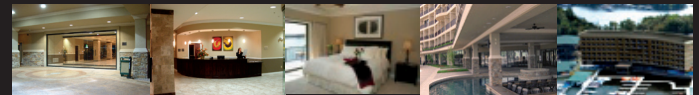
2010 Annual Convention

Hop On Over To Toad Cove

June 13-16, 2010

Camden On The Lake Resort Hotel, Lake Ozark, Missouri

(formerly The Resort & Yacht Club @ Toad Cove)



luxury accommodations

resort setting

pdh sessions

networking

family fun












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Tentative Schedule of Events

Time	Sunday	Monday	Tuesday	Wednesday
8:00 am			Check-In/Registration	
7:00 am				Check-In/Registration
7:30 am		Check-In/Registration	PDH Session Keynote: Mark Mayfield 7:30 to 9:30 am	Practice Division PDH Session 7:30 to 8:30 am
8:00 am		Practice Division Meetings		Practice Division PDH Session 8:30 to 9:30 am
8:30 am		MSPE-PEPP 10-11:30 am		
9:00 am			PDH Session Transportation Update 9:30 - 11:00	PDH Session Biometrics Speaker: Dr. Reza Derakhshani 9:30 to 10:30 am
9:30 am				Practice Division PDH Session 10:30 to 11:30 am
10:00 am			PDH Session Lake Issues Speaker: David Shorr 11:00 - 12:00	
10:30 am				Engineer Lunch 11:30 am to 12:30 pm
11:00 am			Engineers Exhibitor Lunch 12:00 - 2:00	PDH Session Innovative Project Delivery Methods 12:30 to 1:30 pm
11:30 am				PDH Session Renewable Energy's Holy Grail: Energy Storage Speaker: Kevin Hopper, P.E. 1:30 to 2:30 pm
12:00 pm		Check-In/Registration	PDH Session Bagnell Dam Speaker: Phil Thompson 2:00 - 3:00	PDH Session Economic Forecast 2:30 to 3:30 pm
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Phillip Teeple, P.E.
City of Columbia
701 E. Broadway
Columbia, MO 65202

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Mo. Army National Guard
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Jefferson City, MO 65101
Eric Stevens, P.E.
Bartlett & West
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Jefferson City, MO 65109

Northeast Chapter

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Hannibal Board of Public Works
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Hannibal, MO 63401

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Students

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Nathan Minor
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St. Louis Chapter

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Chesterfield, MO 63017

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Life members provide voluntary donations

Every year MSPE's Life Members receive a letter asking for their voluntary support of MSPE's goals and objectives. Without fail, this group of long time members provides generous donations. Life members making voluntary contributions through March 5, 2010 are listed below. On behalf of a grateful society, we thank:

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In Memoriam

MSPE has received word on the death the following members:

J. Emerson Finney, P.E. of Jefferson City, Missouri. He joined MSPE on February 1, 1962 and was affiliated with the Jefferson City Chapter. On June 19, 1962, he was granted life membership.

Isadore Millstone, P.E. of St. Louis, Missouri. He was a member of St. Louis Chapter joining the society on March 1, 1950. He has held life membership since November 7, 1975.

Harry L. Callahan, P.E. of Leawood, KS. He joined MSPE on August 1, 1963 and was a Western Chapter member. He received life membership on June 22, 2002.

Jack F. Daily, P.E. of Olathe, KS. He enjoyed a 52-year career with Lutz, Daily & Brain, LLC of Overland Park, Kansas retiring in 1999 after 30 years as the firm's senior partner. He joined MSPE in 1954 as a member of the Western Chapter.