

WHERE HAVE ALL THE LEADERS GONE?

by Patrick Smith, PE, TSPE President



As I look at our profession, I see a void in leadership. I am not referring to your boss, executives, or directors. There are great leaders within all of our various organizations. But when I look out across the landscape of our state, engineers in leadership positions are absent.

We have long advocated that being a Professional Engineer holds the same esteem as doctors and lawyers. While we shower ourselves with this esteem, those outside our profession see us less as professionals. Why?

Prior to the Industrial Revolution, people trained in the applied sciences were held in high regard. These were the engineers of the day. They created canals, power plants, bridges and buildings. Much the same as we do today. But our predecessors were policy makers and community leaders. They were looked to and sought out for leadership roles because

of their knowledge and training.

Within our State's elected officials, there is only one engineer. The vast majority of our State Senators and Representatives are from the medical and legal profession. Is this because doctors and lawyers make more money and can afford to serve the public at this level? Or do they make more money because they are serving the public at this level?

Where is the professional engineer? Have we over time conceded that those trained as doctors and lawyers are better at leadership roles? Have we yielded our knowledge of science, math, building materials, construction practices, the natural environment, those things that most affect people's everyday lives to those trained in law and the dynamics of the human body?

If we have decided to take a sideline role in the leadership of our State, then we have decided that we are not on the same level as doctors and lawyers. We are the ones communicating to the public and

continued on page 3...

MARK POLLOCK AND NE STATE UPDATE

by Candy Toler



For many years, Mark Pollock, Ph.D., has been the champion of a very active Student Chapter of TSPE at Northeast State Technical Community College in Blountville. Dr. Pollock retired from teaching at Northeast State this spring.

"Mark Pollock brought a unique blend of industrial experience and a passion for teaching to his role. He used his extensive contacts within both industry and academia to develop a robust program that enabled local students to begin their engineering education near to home, to get exposure and experience through local industry, and to use Mark's contacts to matriculate to a variety of accredited engineering programs," said John Perdue, PE, Eastman Chemical Company, one of the advisors for the Student Chapter.

"Mark's infectious enthusiasm resulted in one of the most vibrant and active student sections of NSPE in the nation, even though his school did not have an accredited engineering program. Mark's motto for the student section of NSPE "see and be seen" resulted in an unprecedented

level of interaction between his students and local engineers, local industries, local technical societies, and accredited engineering programs across the southeast," Perdue continued.

The Student Chapter, which was certified by NSPE in May 1999, is open to all students interested in STEM. The chapter visits area schools and encourages students to consider careers in engineering and other STEM areas. One of their mottos is STEM subjects and skills enhance all careers.

The pre-engineering students and faculty have also been involved in the Upper East Tennessee Chapter's MATHCOUNTS competitions

continued on page 3...

INSIDE

- New PEs
- Member News

- PE Review
- TEF Luncheon
- Annual Meeting



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CIVIL PE EXAM REVIEW COURSE

TSPE will offer the Civil PE exam review course starting August 12. If you know someone who is taking the exam on October 25, 2013, please pass this information along. If you would like to sit in on some of the sessions as a refresher for PDHs, you may register for a single session (or more) also.

TDOT approached TSPE about offering the PE Civil exam review course at TDOT regional facilities twice a year. They specifically want to have non-TDOT people in the course, so there will be interaction with folks from the private sector and more opportunities to create study groups.

The course will be available statewide, for the first time. The live session will be at TDOT's Region 3 complex in Nashville and will be simulcast to regional offices in Tri-Cities, Knoxville, Chattanooga, Jackson, and Memphis (if there are enough registered in each area).

As we have in the past, the course will be taught by Professional Engineers and based on the Civil Engineering Reference Manual (Lindenburg 13th edition). It will focus on the "breadth" portion of the exam and will include the general topics covered during the morning part of the exam. Seismic and land surveying will not be covered, as they are not covered on the morning exam.

One participant (before he found out he passed the exam!), said:

I just wanted to drop you a note and let you know that the prep class was very helpful in preparing for the PE Exam. I hope that I don't have to take the class again, but I will recommend it to others!

The class will meet every Monday evening from 5-8 pm Central Time (except Labor Day, when the class will be on Sept. 3) for ten weeks.

The registration form is posted on www.tnspe.org. The cost will be \$400 per person and will include TSPE membership free for 6 months. The deadline to register is July 31, 2013.

CIVIL PE EXAM REVIEW COURSE SCHEDULE

| Date | Topic | Hours | Instructor |
|---------|--|-------|---|
| Aug 12 | Exam Overview | 0.5 | Kyle Peters, PE |
| | Engineering Economics | 2.5 | AMEC |
| Aug 19 | Fluid Mechanics & Open Channel Flow | 3 | Bill Hamilton, PE, PhD BWSC |
| Aug 26 | Hydrology | 3 | George Garden, PE BWSC |
| Sept 3 | Waste & Water Treatment Facilities | 3 | Greg Davenport, PE J R Wauford & Company |
| Sept 9 | Concrete Design | 3 | Adam Price, PE TDOT Structural Design Division |
| Sept 16 | Mechanics of Materials & Timber Design | 3 | Marcus Knight, PE Middle TN State University |
| Sept 23 | Geotechnical | 3 | Tim LaGrow, PE Terracon Consultants |
| Sept 30 | Steel Design | 3 | Adam Price, PE TDOT Structural Design Division |
| Oct 7 | Transportation | 3 | Lori Lange, PE TDOT Reg. 3 Project Develop. |
| Oct 14 | Construction | 3 | Eric Gardner, PE Cannon & Cannon |



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LEADERS

continued from page 1

young students trying to determine what profession to enter that doctors and lawyers are above engineers.

The mission of TSPE is to promote the ethical and competent practice of engineering and advocate licensure, serve the needs of and enhance the image and well-being of all engineering professionals and promote the involvement of engineers in society. As President I will serve our membership and uphold the mission of TSPE. I see no better way to fulfill the mission of TSPE than to demand we fill the void in leadership within our State.

MARK POLLOCK

continued from page 1

since 1999. Northeast State has hosted the competitions since 2006.

The group credits part of its success to its advisory board of area industries, businesses, and engineers. Opportunities such as mentoring, job shadowing, internships, and more have been created by the advisory board.

The chapter has even created a foundation and recruited sponsors for endowed scholarships for pre-engineering students. Supporters include Eastman Chemical Company and the Holston Section of ASME.

Trips to visit the engineering colleges at UT-Knoxville and Tennessee Tech are another of the highlights for the students.

“With Dr. Pollock’s retirement, who will perform the STEM Magic Shows at Cora Cox Academy? His energy and enthusiasm for engineering have been an inspiration for countless students. We wish him well in his retirement and hope that he will continue to be involved with the Student Chapter,” said Scott Schallon, PE, Eastman Chemical Company.



CONGRATULATIONS TO NEW PE's

CHATTANOOGA CHAPTER

Derek Allen Blackwood, PE
Jonathan Jason Chandler, PE
Stephen Douglas Craven, PE
Charles Thomas Harden, PE
Douglas Nathan Hooker, PE
Nathan Albert Jones, PE
Joshua Alan Mabry, PE
Nicholas Anthony McClung, PE
William Joshua Melhorn, PE
Rozh Abdulkadir Mohamadameen, PE
Christopher Daniel Smith, PE
Edward Frank Wellmann, PE
Jon Clark Whidby, PE
Robert Joseph Wise, PE

KNOXVILLE CHAPTER

Sally Rose Anderson, PE
Brent Douglas Barnes, PE
Lester Alexander Barnes, PE
Brian Keith Calloway, PE
Seth Wayne Frank, PE
Jeffrey Allen Gateley, PE
David Rutledge Grant, PE
Christopher Hans Heins, PE
Adam Thomas Kohntopp, PE
Charles Jason Land, PE
Noelani Akemi Laney, PE
Hiram Manuel Morales-Moreno, PE
Andrew Thomas Myers, PE
Amanda Hall Purkey, PE
Rebecca Cline Rogers, PE

Kevin Paul Shay, PE

Jeffrey John Smolik, PE
Damien Paul Strimple, PE
Christopher James Tong, PE
Louis Benjamin Vineyard, PE
Christopher James Weaver, PE
Joyce Katherine Wells, PE
Raheem Woodbury, PE
Steven Daniel Zimny, PE

LAKEWAY CHAPTER

Michael Bradford Coppock, PE
Danny Eugene Maxwell, PE

MEMPHIS CHAPTER

Nicholas Wayne Brown, PE
Jeremy Chadwick Hart, PE
Randall Kyle Hyneman, PE
Andrew Curtis Kizzee, PE
Charles Randolph Lord, PE
Jonnye Brooks Mcelyea, PE

MEMPHIS CHAPTER CONT.

Adam Brooks November, PE
John Charles Phillips, PE
Betty Kay Rudolph, PE
John Benjamin Tatum, PE
Gregory David Van Sickel, PE

NASHVILLE CHAPTER

Joseph Stephen Badyrka, PE
Christopher Brandon Barns, PE
Allen Frank Bollinger, PE
Krystle Danielle Bratton, PE
David Kevin Counts, Jr., PE
Jaimi Evans Ensey, PE
Michael Nathaniel Green, PE
Phillip James Hall, PE
Jeremy David Harwell, PE
Buford Taylor Hayes, PE
Robert Bruce Hume, PE
Chase Brandon Jones, PE
Wesley Scott Magill, PE
Eric Clay McElroy, PE
Steven Andrew McGill, PE
Mark Stephen Mize, PE
David William Morse, PE
Michael Coy Norris, PE
Mark William Pollak, PE
Michael Ramey Porter, PE
Elisabeth Marie Ramirez, PE
John Paul Saalwaechter, PE
Gregory Scott Schiefer, PE
Gregory Ryan Simpson, PE
Jacquelyn Alise Ladd Smith, PE
Andrew Baker Steele, PE
James Charles Thomason, PE
Akeem Malik Turner, PE
Blake Anthony Turner, PE
Patrick Hamilton White, PE
Kenneth Scott Wolfe, PE
Jennifer Lyn Wood, PE
Johnathan C. Woodside, PE
Steven Kyu Yi, PE
Benjamin L. York, PE

UPPER EAST CHAPTER

Michael Coy Eades, PE
Gregory R. Simpson, PE
Robert James Whiting, PE

***TSPE Members in bold**

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|--|---|---|



Imagine the result

ANNUAL MEETING AND PROFESSIONAL DEVELOPMENT CONFERENCE

ACEC of TN, TSPE and ASCE will join forces for an Annual Meeting to remember - mark your calendars! The details are on the brochure enclosed with this newsletter.

There will be four education tracks, with something for everyone. Plan to get most of your required professional development hours (12) in a concentrated and cost-effective manner. You will also have the opportunity to network with engineers, business owners, product experts, and service providers!

Make your room reservations early by calling the Embassy Suites Murfreesboro by August 21, 2013, at 615-890-4464 (or 1-800-Embassy) and ask for the "PEG" group rate, which is \$131 per night (plus tax, of course!)

Online registration is now available at www.tnspe.org. To register by mail and check, complete the registration form enclosed with this newsletter.

To sponsor or register for the TEF Luncheon, contact Judy Logue (jlogue@tnec.org). Online registration is also available for the TEF Luncheon at www.tnspe.org.

SUPPORT THE TENNESSEE ENGINEERING FOUNDATION

The Tennessee Engineering Foundation (TEF) was created in 1986 to advance and support the engineering profession in Tennessee. TEF raises funds for scholarships and other K-12 STEM education support activities such as MATHCOUNTS – the primary source of funding for these initiatives is the TEF Luncheon, which will be on September 12, 2013.

The TEF is a charitable, educational, and scientific organization (501(c)(3) and contributions are deductible to the extent allowed by law.

We hope that you will plan to attend this year's luncheon at the Embassy Suites Murfreesboro. Information on purchasing tickets is included on the enclosed brochure.

Watch for the 2013-14 TEF scholarship announcements which are scheduled to go out late summer/early fall and the application will be posted to the www.tnspe.org website. Because of a successful fundraising luncheon in September 2012 at which TDEC Commissioner Martineau was the keynote speaker, scholarships were awarded to three engineering students. Rebecca Escue from Portland, TN, who is a junior in mechanical engineering at Tennessee Technological University, won the \$3,500 Dorothy and Arthur Crouch Memorial Scholarship. TEF scholarships of \$3,000 each were awarded to Dustin Morris from Lewisburg, TN, who is a junior in electrical engineering at Tennessee Technological University, and to Nicholas True from Georgetown, TN, who is a sophomore in mechanical engineering at the University of Tennessee at Chattanooga.

MEMBERS NEWS

Eric Gardner, PE, has joined Cannon & Cannon, Inc. (CCI) and will serve as a Project Manager in the Nashville Office.

Kevin Long, PE, has joined Gresham, Smith and Partners as a Transportation Engineer in their Nashville office.

At a recent Chapter meeting, the **Tullahoma Chapter** presented their **Robert L Young Scholarship**, a \$1500 award to a rising freshman enrolled in an engineering curriculum at an ABET accredited school, to **Jacob Griffin (pictured below)**, a senior at Warren County High School who will attend Tennessee Tech. This scholarship is awarded annually to the qualified applicant who may be expected to be the "best future representative of the values of the Tennessee Society of Professional Engineers."

The **Chattanooga Chapter July Membership Meeting** will be on the 16th, at the Stadium Club at Finley Stadium at 12 Noon. The speaker will be Tyler Jeffery, Regional Director for TDEC. She will be presenting on TDEC and Consultant Communications. Contact **Ric Gibbs** for additional details, at 423-756-7970 or email at rgibbs@thompsonengineering.com.



Jacob Alan Griffin was awarded the Robert L Young, PE, Engineering Scholarship by the Tullahoma Chapter Scholarship Committee, Chaired by John McInturff, PE. Jacob graduated from Warren County High School and is accepted for enrollment during the Fall Semester at Tennessee Technological University. Jacobs hobbies are amateur rocketry and fishing.

Calendar of Events

JULY 17-21

NSPE Annual Meeting
Minneapolis Marriott City Center Hotel

SEPT 12-13

Annual Meeting,
Embassy Suites Murfreesboro

SEPT 12

TEF Luncheon
Embassy Suites Murfreesboro

DEC 4-6

Crow Friedman Seminars
Knoxville, Nashville, Memphis

NEW TSPE MEMBERS

Knoxville Chapter

Joshua Michael Butterfield, PE
Jeffery Todd Ogden, PE
Benjamin Simerl, PE

Memphis Chapter

Tim Mulrooney, PE
Daniel J. Sours, PE

Nashville Chapter

Brad Stephen Winkler, PE
Stephen A. Steele, PE

Chattanooga Chapter

Jonathan Melton

Student Chapter

Brian Sharp

WHY DID THE CHICKEN CROSS THE ROAD?

Captain Kirk

To boldly go where no chicken has gone before.

Fox Mulder

You saw it cross the road with your own eyes!
How many more chickens have to cross before you believe it?

Bill Gates

I have just released eChicken 2003, which will not only cross roads, but will lay eggs, file your important documents, and balance your checkbook - and Internet Explorer is an inextricable part of eChicken.

Albert Einstein

Did the chicken really cross the road or did the road move beneath the chicken?

Colin Powell

Now at the left of the screen, you clearly see the satellite image of the chicken crossing the road.

Sigmund Freud

The fact that you are at all concerned that the chicken crossed the road reveals your underlying sexual insecurity.

Voltaire

I may not agree with what the chicken did, but I will defend to the death its right to do it.

Grandpa

In my day, we didn't ask why the chicken crossed the road. Someone told us that the chicken crossed the road, and that was good enough for us.

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AN ALL-STAR LINE-UP IS SCHEDULED FOR THE ANNUAL MEETING

By Candy Toler, Executive Director of TSPE and ACEC of TN

Committees of engineers have been working for months to pull together a great line-up of speakers and seminars for the TSPE/ACEC/ASCE Annual Meeting September 12-13 at the Embassy Suites Murfreesboro.

Look for yourself at the enclosed meeting program... Engineering Ethics is the first thing on the agenda and the State Architects' and Engineers' Board will close out the 2-day meeting with a presentation and Open Forum. In between are TDEC Commissioner **Bob Martineau**, who will give us an overview of departmental activities, followed by sessions on teamwork on the 2 million square foot Music City Center in Nashville, soil and rock slope stability issues, TDOT audit procedures, and sustainable design on several TVA facilities, to name a few.

Engineering students from some of Tennessee's colleges and universities will join us on Friday for sessions and their traditional competition.

An invitation has been extended, but we do not yet have a response about the **Tennessee Engineering Foundation Luncheon** keynote speaker, but there will definitely be a luncheon on September 12. The event will raise money for the State MATHCOUNTS competition, scholarships for engineering students, and STEM-related activities.

At the annual state TPE PAC Auction, we will put the fun in fundraising. 2013 might not be an election year, but 2014 is. We want to be able to support state legislative candidates who are sympathetic to our issues. Join us for the Welcome Reception and PAC Auction.

Don't miss the all-star line-up of speakers and events plus the opportunity to network with your colleagues at the Annual Meeting. You will be able to meet Tennessee's required professional development hours for the year, catch up with your colleagues from across the state, and support TSPE.

Make your plans **now** to be there. The Annual Meeting schedule and registration information is enclosed with this newsletter.



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