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REPORTER

The Magazine of the Pennsylvania Society of Professional Engineers

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Regards,
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As a Professional Engineer, I dedicate my professional knowledge and skill to the advancement and betterment of human welfare. I pledge:

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To live and work according to the laws of man and the highest standards of professional conduct;

To place service before profit, the honor and standing of the profession before personal advantage, and the public welfare above all other considerations. In humility and with need for Divine Guidance, I make this pledge.

Adopted by National Society of Professional Engineers, June 1954

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Engineers Week, a formal coalition of engineering, education, cultural societies, corporations and government agencies, was founded by the National Society of Professional Engineers. Dedicated to raising public awareness of engineers' positive contributions to quality of life, Engineers Week promotes recognition among parents, teachers and students of the importance of a technical education and a high level of math, science, and technology literacy, and motivates youth to pursue engineering careers in order to provide a diverse and vigorous engineering workforce.

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President's Message

Ernest U. Gingrich, P.E., P.L.S.



I trust that 2005 started on a favorable note for you that will continue through the year. In order for us to experience positive results, we need to exert effort to make them happen. This is

especially true for an organization, whether it is a business for profit or a professional organization like the Pennsylvania Society of Professional Engineers.

PSPE relies heavily on its executive director and staff. They act and react in accordance with issues that come from NSPE or our own local chapters, individuals and Board. Staff also keeps tabs on what is happening in other states.

One hot issue right now is continuing education. The Pittsburgh Chapter presented

a resolution at the recent PSPE Board meeting, proposing that PSPE take a leadership role in developing appropriate amendments to the Registration Act requiring mandatory continuing education for Professional Engineers to maintain registration in Pennsylvania. The resolution was provided to each chapter with the expectation that each would respond in accordance with the chapter's decision. Hopefully most of you had a chance to provide input through your chapter prior to the board meeting.

Regardless of how we may stand on this issue personally, we must recognize that many states have adopted some form of continuing education. The Pittsburgh chapter strongly recommends that PSPE take an active role in creating the system in Pennsylvania, rather than reacting to a system developed by non-engineers and imposed upon us.

On a related note, the New York State Society of Professional Engineers has now become a valuable resource to both members and non-members hoping to maintain their

license. The Society offers engineers a valuable resource - a clearinghouse of courses pre-approved for credit. Subsequently membership in their state society has increased.

Mandatory continuing education for engineers licensed in Pennsylvania is still in the planning stages. As PSPE moves forward in our leadership role, I am hopeful that the results will allow engineers adequate flexibility so that compliance will be beneficial and not burdensome. ■

[Editor's note: The PSPE board of directors voted to accept an amended resolution, stating that PSPE would take a leadership role in developing continuing education language. A task force was appointed to develop the details of that language with the recommendation that the NCEES model rules be a guide. A status report will be given in a town hall forum at the PSPE conference in May.]

PSPE Plans Order of the Engineer Induction Ceremony

PSPE will conduct an Order of the Engineer induction ceremony during the 71st Annual State Engineers Conference, May 19-21, 2005, at the Chateau Resort and Conference Center in Tannersville, PA.

The Order of the Engineer (www.order-of-the-engineer.org) was initiated in the United States to foster a spirit of pride, individual integrity and responsibility in the engineering profession, to bridge the gap between training and practice; and to present to the public a visible symbol identifying the engineer.

The "Order" is the roster of engineers in the United States who have participated in an Engineer's Ring Ceremony and who have publicly accepted the "Obligation of an Engineer." The Obligation is a creed similar to the oath attributed to Hippocrates (460-377 B.C.) that is generally taken by medical graduates and which sets forth an ethical code. The Obligation likewise, contains parts of the Canon of Ethics of major engineering societies such as NSPE's Engineer's Creed. By accepting the Obligation voluntarily, the engineer candidate pledges to uphold the standards and dignity of the engineering profession and to serve humanity by making the best use of Earth's precious wealth.

Upon the engineer candidate's formal acceptance of the Obligation, the engineer receives a stainless steel ring to be worn on the fifth finger of the working hand as a visible symbol of the engineer's commitment to uphold the Obligation of an Engineer.

There are no dues (other than the \$10 cost of the ring) and no meetings of the Order of the Engineer. Inductees are encouraged to wear the ring and to prominently display the Obligation of the Engineer certificate as visible reminders of publicly accepted Obligation as a contract with themselves.

Watch for more information about the Order of the Engineer Ring Ceremony in the upcoming Conference information and plan on joining PSPE President Ernie Gingrich and President-Elect Harry Garman as members of the Order of the Engineer.

Letter to the Editor

Continuing Professional Development

Strong membership and growth seem to be the indicators that define the success or failure of any organization. NSPE and its state organizations have worked hard to increase membership with little success, this despite major emphasis and large commitments of time and money.

Both the NSPE State Society Executive Director's 2003 Summit report and the Future Directions Task Force studied our efforts to develop a more relevant organization in order to increase membership. From my perspective, I think that we are getting close to identifying a mission that will result in stronger membership.

NSPE was conceived as a national organization to act as the umbrella for state societies that represent the practicing engineer. They were concerned that engineers who offered a service be qualified for both the protection of the public and to practice their own profession. NSPE has grown during the past six or seven decades to represent engineers in industry, education, government, private practice and construction. Many engineers don't want to invest in a seal because their positions do not require one. Unlike the consulting engineer, they don't have to put their reputation and livelihood on the line with each project. Practicing engineers on the other hand need to have knowledge of the latest technology and current regulations.

How do other professions deal with continuing professional competency? Here are three silly scenarios that should make us think:

SCENE 1: You are visiting a cardiologist for the first time. As the examination proceeds, you notice his diploma hanging on the wall. He graduated in 1965.

"That's a great school," you say to the doctor. "What kind of studies have you done since then?"

"Oh, I go to reunions every now and then," replies the doctor cheerfully, "but I haven't been in a classroom or seminar since I finished my residency."

SCENE 2: You are on a road trip and your late model car starts to act up. You pull into the first garage you can find. You notice that the computerized diagnostic systems that are standard at your usual dealership are nowhere to be found. Realizing that today's typical automobile is equipped with more sophisticated computer technology than the first manned orbital space flights launched by the U.S., you wonder about this and ask.

"I've been working on cars all my life," says the grizzled old mechanic. "Don't need no new-fangled tools."

SCENE 3: The accountant you have used for years has retired, and you go in search of a new one. Aware that there have been a number of tax law changes recently, you ask a candidate you are considering about how he keeps current with his profession.

"I read the financial section of the newspaper and some journals," he says.

"Do you take courses on a regular basis?" you ask.

When the reply is no, you go out the door.

Are these ridiculous tales? If you substitute the word "engineer" for "doctor", "mechanic" and "accountant" you could be talking about any number of our brother professional engineers in the Commonwealth of Pennsylvania.

Unlike an increasing number of states, Pennsylvania allows an engineer's knowledge to stand still once professional licensure is obtained. Practicing engineers should update their knowledge of new skills, techniques and technologies, but the consumer has no way of knowing which professional has current knowledge and which professional has stagnated for years, or even decades.

Albert M. Tantala, P.E., a consulting engineer and member of the Pennsylvania Registration Board who spoke at the PSPE 2004 annual meeting, presented a comprehensive overview of graduate engineers and professional registration. A most telling statistic is that less than 10 percent of licensed engineers belong to PSPE. This trend is nationwide. The report from the NSPE State Society Executive Directors 2003 Summit states that "approximately 10 to 15 percent of all licensed engineers belong to NSPE" and concludes that NSPE needs to shift its focus to "those [engineers] that are currently licensed and those on the licensure track." The executive director's report goes on to outline NSPE's opportunities related to professional development, emerging issues and the benefit of updating members on new and current regulations.

New Jersey recently rejected mandatory CPC and Pennsylvania turned it down years ago, but New York State recently passed strong CPC legislation. As John Wanner, PSPE Executive Director pointed out to attendees at the Northeast Region Fall Meeting, New York is the only state in the region to see growth in membership. NYSSPE also offers licensure courses that meet the requirement for NY CPC; the courses are at reduced prices for society members.

I propose that a winning formula for meeting the needs of our licensed design professionals is to pass mandatory CPC for practicing engineers. We should also include some relief for requirements of non-practicing engineers. I stand in support of the Pittsburgh resolution that calls for mandatory CPC adoption in Pennsylvania.

Barry Isett, P.E., P.L.S.

Barry Isett & Associates, Inc.

On Capitol Hill

John D. Wanner, CAE

DGS Rolling-Out Best Value Plans

After much anticipation, the PA Department of General Services is going public with plans to award large construction contracts using a Best Value Contracting system as opposed to low bid. DGS has developed an RFP form, describing the criteria which it will use in evaluating contractors proposals. Price, technical submission and MBE/WBE participation will each be given a weighted value in the evaluation of proposals. Price will always be the most heavily weighed factor, but contractors can score enough points in the other categories to be awarded a job even if they are not the low bidder.

The Technical submission considers factors such as work experience and performance, safety record, key personnel, worker training, customer satisfaction and bonding. DGS plans to use this procurement method starting later this year on construction projects with a total value of \$5 million or greater. There will still be four primes on each project as required by the law known as the Separations Act. The State System of Higher Education is also moving towards using Best Value Contracting on some of its projects.

State Registration Board Proposes Biennial Renewal Fees And Examination Fees

The State Registration Board for Professional Engineers, Land Surveyors and Geologists (Board) published proposed amendments to its regulations to provide for increases in renewal fees for all classes under its purview. The proposed rulemaking would raise the biennial renewal fees for professional engineers, professional land surveyors and professional geologists from \$25 to \$50; delete the examination fees for all three license classes; and make minor editorial changes.

The Engineer, Land Surveyor and Geologist Registration Law, like the other licensing laws in Pennsylvania, provides that the Board's biennial revenues from fees, fines

and civil penalties shall meet or exceed the Board's biennial expenditures. Because fines and civil penalties have historically accounted for a small percentage of the Board's total revenues, the Board must generate most of its revenues from fees. According to the Board's Proposed regulation, the biennial renewal fees account for approximately 77% of the Board's fee revenues during each biennial renewal period. The current \$25 biennial renewal fees for professional engineers and professional land surveyors were established in 1978 by section 101 of the Bureau of Professional and Occupational Affairs Fee Act (63 P. S. § 1401-101). The current \$25 biennial renewal fee for professional geologists was adopted in 1994. The Board has been running deficits in recent years, and now believes an increase is justified.

The proposed regulation also deletes references to exam fees. Examinations for certification as an engineer-in-training and surveyor-in-training and for licensure as a professional engineer, professional land surveyor and professional geologist are developed, administered and graded by independent testing organizations under contract with the Commonwealth. The Board has no role in establishing examination fees. Examination fees are established by contract between the independent testing organizations and the Commonwealth and are remitted by examination candidates directly to those organizations, so the Board proposes to discontinue the practice of periodically amending its regulations to publish updated schedules of examination fees. The Board would continue to provide current examination fee information to examination candidates on its website.

On December 22, 2004, the Board submitted copies of this proposed rulemaking, to the Independent Regulatory Review Commission (IRRC) and the Chairpersons of the Senate Consumer Protection and Professional Licensure

Committee and the House Professional Licensure Committee. IRRC may convey comments, recommendations or objections to the proposed rulemaking within 30 days after the close of the public comment period, specifying the regulatory review criteria that have not been met. The Committees may comment on whatever they think about the proposed regulation. The Committees and IRRC only comment in the "proposed" phase of the process. The Board will then take those comments in to consideration before submitting a final-form version to the Committees and IRRC again for approval. If approved by all three bodies, the rulemaking would become effective upon publication of the final-form rulemaking in the Pennsylvania Bulletin. The new biennial renewal fees would apply to licensees who renew their registrations for the biennial renewal period beginning October 1, 2005.

McGeehan Announces Legislation To Require Sprinklers In State Institutions

Rep. Mike McGeehan (D-Philadelphia) announced his intention to introduce legislation requiring fire sprinklers at state-regulated institutions on January 5. The Institutional Automatic Sprinkler System Act would create a revolving fund to provide low interest loans (3% over 15 years) to facilities to assist them in paying for the installation of the fire sprinklers. Institutions would be required to install fire sprinklers within five years after the passage of the bill, he explained.

Rep. McGeehan referenced the Dormitory Sprinkler System Act of 2001, which provides loans to colleges and universities to install fire protection systems in existing dormitories, as a basis for this legislation. He then cited an August 2004 audit by the Auditor General's Office entitled "Fire Safety at State Institutions," calling the shortcomings of fire safety in state-regulated facilities a "real eye opener."

"Capitol" continued p. 19

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Risky Business

Rebecca Bowman, Esq., P.E.

In memory of Lindsay

This week, I lost a young friend, Lindsay, to manic-depression (a/k/a bi-polar disorder). She was on medication which was working . . . working so well that she decided that she didn't need it anymore. Manic-depression is characterized by fellow-sufferer, Tom Maland, as "highs beyond comprehension and lows.....two floors below the basement." When Lindsay's elevator fell two floors below the basement, there was no medication there to brake her elevator and she was overwhelmed.

What does Lindsay's anguish have to do with your practice? Managing risk is the process of looking at life, business and personal, from those "highs beyond comprehension" while planning for the "lows two floors below the basement."

When I have exhausted myself preparing a major bid, have plowed through the interview process, and have been notified that I have won the project, I am totally pumped, ecstatic, giddy. Everything is wonderful! The client is my new best friend! We are totally in sync. It is like a new love. Everything glows! Everyone smiles! We're going to be ahead of schedule and under budget! Nothing will go awry! The client and I understand each others expectations and needs perfectly! Just using that many exclamation points makes me a little dizzy. I believe that this euphoria might be something like a manic episode.

I generally permit myself one afternoon to wallow in the mood. Then, it's down to work. Here's where risk management comes in to play. The honeymoon phase is the time to take the medicine, to engage in the disciplines and procedures that will serve as brakes on that elevator headed for two floors below the basement. I'm not being pessimistic; I'm being realistic. I have been in construction for more than thirty years. I have never had a project (even the ahead-of-schedule, under-budget ones) that hasn't had at least one "uh-oh" or "oh, no." You cannot

install the elevator brake on the way down. That's too late.

The first key to successful risk management is a complete understanding of the contractual obligation. What do you have to deliver and when? It never hurts to ask "What is the client expecting that I'm not expecting to deliver?" If you were the client, what would you be expecting? How much flexibility would you think was built in? Prepare yourself for the "Would it be OK to . . .?" and "Could we . . .?" questions. Is that a change notice? Is it an accommodation you can absorb? Is there any way that it could become an issue later?

Managing risk is the process of looking at life, business and personal, from those "highs beyond comprehension" while planning for the "lows two floors below the basement."

Your best protection comes in the form of written documentation. For real estate, it may be location, location, location, but for risk management, it's documentation, documentation, documentation. Of course, you must meet the requirements of your contract. Provided that this meets the change notice provisions of your contract, a quick e-mail (of which you keep an archived copy) is often sufficient: "At our meeting, this morning, you asked that we increase the size of the doorways 4' x 7' to 5.5' x 8' to accommodate forklifts. At this point, I believe that we are able to incorporate your request for a change without increased cost. However, if the revised specification alters the

structural or plumbing design or requires the use of a non-standard door frame, there may be an increased cost. I will notify you by e-mail within three (3) business days if there is a cost associated with this change." You have documented the change request, you have specified the details of the change, you have notified the client the possibility of cost implications, and you have corralled an opportunity to raise the matter later if costs are revealed. You have protected yourself and your have begun establishing a pattern of communication and documentation which will protect you in the face of future changes. If a conflict ends up in court, the judge will want to know your history and pattern of documenting client requests for changes. If you only document when there's a problem, your documentation is considered by the courts to be self-serving and may be disregarded or even excluded. If you historically and consistently document everything, both positive and negative, then your documentation is considered a routine business record and is accorded much greater importance.

If your contract requires that you not proceed with changed work without written authorization, that same e-mail (or memo if physical writing is required) may need only one more sentence: "As per Paragraph 21.3, I am not permitted to proceed with the incorporated of your requested change. Thus, please respond with an e-mail acknowledging and accepting this change." If it's a memo, you can just put an acknowledgement/acceptance line at the bottom and ask that the memo be signed and FAX'd back to you.

Of course, I hope that you have built some contingency funding into your bid, so that you have the capacity to grant some courtesy changes and do not have to start out nickel-and-diming the client with changes. On the other hand, even if you decide that you can afford to give the client the change at no

"Risky" continued p. 9



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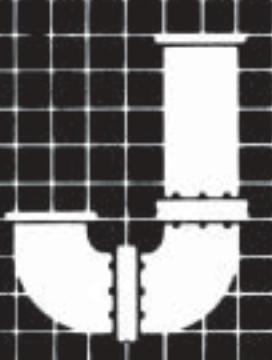
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(Chinese Proverb)

Forensics Corner

Johann F. Szautner, P.E.

Synopsis

On a windy morning, a patient entered a doctor's office through the building egress door. The door opened outwardly only upon applying a considerable pulling force and, after opening, closed rapidly, catching and breaking the patient's right index finger before he could withdraw his right hand with which he steadied himself on the jamb to apply the pulling force.

Forensic Investigation

Plaintiff's expert determined that the door, with its automatic closure device, closed in 2.4 seconds, which was unreasonably dangerous and exceeded building code requirements. Therefore, the commercial establishment and property owner were negligent and bore full responsibility for the plaintiff's injury.

Furthermore, correcting the hazardous door closure swing merely required replacement of the defective door closer device at a cost of less than \$50.00. He then proceeded with an eloquent treatise of how the prevailing winds exacerbate the dangerous condition by pushing on the

door, making it more difficult to open and, once opened, would accelerate the closing speed.

He did not document his door closure speed measurement nor wind force nor direction measurements. Investigating this accident for the defense of the medical office tenant, I made the following findings:

1. Building construction preceded the current building code requirements, establishing a 5 second minimum speed on door closers from a 90° open position to a 12° open position.
2. ADA requirements codified in 1992 require a principal egress door with closure devices to close in no less than 3 seconds from a 70° open position to a point 3 inches ahead of the closed position.
3. Our measurements showed that the door closing speed measured in accordance with ADA requirements was 2.1 seconds, exceeding the 3 second minimum limit.
4. We observed the door jamb to be slightly out of plumb and the door's top corner above the latch to bind against the jamb when engaged. Numerous scuff marks on the door, as well as on the jamb, manifest this to be an ongoing problem.
5. We measured the pull/push force necessary to swing the door to be 7.5 pounds, but twice as much to open the sticking door.
6. Wind conditions during our investigation were negligible, and I determined wind conditions to be insignificant compared to the deficiencies we found.

Conclusion

Based on my investigation, I found that I could not prepare a defensible report and I recommended quick settlement and complete door replacement, including jamb and hardware. ■

"Risky" continued from p. 7

change, the change needs to be documented. First, you need to document the change request because the deliverable will no longer meet the letter of the specification. Second, your documentation of your graciousness may assist you in demonstrating that you are reasonable when you have to ask for compensation for other changes.

The discipline of documentation and the established pattern of communications will be the components that work together to provide the brakes on the elevator. Lindsay lost her brakes and we'll miss her. You need brakes, too. Without those brakes, you're in a risky business. ■

The "Risky Business" column offers articles covering liability from both the legal and engineering perspective. Mrs. Mowman's articles share general information and should not be relied upon as professional legal advice of either a general or specific nature. Rebecca Bowman is a civil engineer-attorney in solo private practice in McMurray, Pennsylvania for more than 25 years. Her practice is a certified woman-owned business. Her B.S. in Civil Engineering is from the University of North Dakota.

Rose Tree Tavern

Relocation

James R. Elser, Project Manager

The Rose Tree Tavern has moved. After twenty years of discussion, planning and politics, the building has been successfully relocated 200' east of the intersection of Providence and Rose Tree Roads, in Upper Providence Township, Delaware County, Pennsylvania. The intersection can now be widened to help accommodate the high level of traffic that now crosses this intersection daily.

Background

The building's original location had a tavern constructed in 1739, which is documented by a datestone, on the westerly gable. Historical records tell us this log structure was replaced by the existing stone in two phases; the first in 1809 and then a second in 1836. The physical stone masonry construction suggests that the two "phases" were actually completed in four separate periods. The

lower quadrant (closest to the intersection) was built first, followed by a second floor being added, then the first floor was added to, creating a two story building with a one story attachment and then finally a fourth quadrant was added completing the two story, gabled, structure that we see today.

The building weighs in at 670 tons. To prepare the structure for the move, the original mortar, consisting of clay and lime, was removed from all the bearing walls, both inside and out and replaced with mortar and grout per ASTM C 140. Twenty five tons of



Original location of the Rose Tree Tavern

sand was used to perform this task. All windows were then in-filled with masonry block, filled solid with grout, to stabilize the natural break line created by their original

construction, which was performed without the utilization of any "headers", either of frame or stone. The window locations were further supported by the installation of 2"x 12" plates, one on each side of the wall and then through bolted with 1" all-thread, at the

locations where the headers should have been located. Collars were installed at the ceiling height on each floor and then strong-backs were placed at a 45 degree angle back to the floor joist to prevent the building from racking. The building then was strapped on the outside utilizing 3/4" dia. stranded cable, pulled tight with come-alongs, vertically, horizontally and diagonally. The gable end, on the "down hill" side of the structure, was supported with the same sandwiching technique used to brace the ceilings, with the exception that chains were used to strap the plates back to the center of the building from a mid wall height in the attic to the second

floor ceiling elevation. The support chains were then pulled tight to prevent a "hinge type failure" from occurring, at the second floor line, during the decent of 4 1/2 degrees of slope (approx. 9' in elevation).

While the building stabilization work was being performed, 125' of interlocking steel shoring was installed along two sides of the building, which were right next to the traffic lanes of each adjoining road. The area around the building was excavated to the basement floor elevation (approximately a 9' cut) and an access ramp, 75' wide, was constructed in accordance with Penn Dot 408/2000 specifications, from the existing location to the new location, 200' east of the intersection. The project was delayed eight months during this work due to the discovery of an unknown 8" water main, that had to be relocated and an owner initiated revision to the foundation, changing it to a walkout design.

The firm used to perform the actual structure relocation was Dzubia and Sons, Inc. Dzubia's first task was to install wood dunage (6" x 6" s) at equal intervals approximately every 10', in each direction, under the building. This established twenty lift points measured approximately 4' x 4'; hydraulic jacks, each capable of lifting 36,000 lbs, were installed on each. Two 18" steel (W18-395) I beams were installed length-wise, just inside the foundation walls. Four 15" steel I beams (W15-

145) were then installed; two on the building's center line and two just outside the foundation walls, length-wise. Cross bracing (Needles), utilizing eighteen 12" (W12-85) steel I beams, were placed, bearing on the beams running length-wise under the building.

To accomplish the steel installation; access holes were made in the 22" thick stone foundation walls, at the required locations; roller plates were then placed on-line with each hole and the beams were then treaded through the building and into their proper place. This was done to equally distribute the weight of the structure, for the lift.

Three separate lift zones were established. Each jack was set within the wood dunnage and directly under the intersections of the steel, as discussed above. The jacks were controlled by a single hydraulic pump.

Manifolds were used to control each lift zone which would be used to keep the building as level as possible during the relocation, 200' east and down the 4 1/2 degree slope. The structure was then lifted from its foundation. At each



lifting point wood dunnage was added to fill-in the space created by the initial lift. The building was then set back down on the supports and the jacks were removed, for later use. The stone foundation was then completely removed from under the structure. Twenty sets of "dollies", with eight wheels each, which are specifically designed for the purpose of building relocations, were installed between the original lift points. The jacks were now placed on the dollies and tied back into the hydraulic pump. The dollies, setup in rows, had tongues installed, equally distant from each other. The tongues were then tied together with chains that ran length-wise across the building. At each end of the chain, a come-along was installed that allowed the tongues to be moved for the steering of that row of dollies. The building was now ready for the move....

August 10th, 2004 - the Move

The new building location had been prepared by installing footers to carry the load of the building; as well as the wood dunnage, steel beams and dollies. The total cargo weight being calculated at just less than 900 tons. To insure the footers would support the structure they were excavated to a depth of three feet and have a width of four feet. A double mat of #4 re-bar was installed creating a grade beam all the way around the perimeter of the new foundation. The extra width was used to minimize the effort of trying to spot the 900 ton cargo over an exact location. As an extra precaution, the concrete specification was upgraded to 4500 psi.

"Check the air in the tires".... After checking the air in all 160 tires on the dollies, two trucks with wenchers, were positioned down hill from the building. A third vehicle was positioned between the other two and used as an anchor point. Using a series of pulleys, stranded steel cable was thread between the two wenchers, the anchor point and the building.

The wenchers worked in tandem and broke the building free from its' foundation at 5:30 P.M. on August 9th 2004. Breaking the building loose is the point of no return and probably when there is the highest risk of some sort of structure failure. The initial move, accompanied with creaks and moans of denial, was only for an approximate distance of ten feet. It went without incident, everyone involved slept better that night, after the building was "loose" and in position for its decent, to the new location, the next day.

The "Move" began at 5:00 A.M. on August 10th and the process was a repeat of that previously discussed. The "pull vehicles" would be repositioned approximately every 25' of horizontal movement, on the down hill side of the building. While the dollies are equipped with brakes, behind the building was our emergency brake, a third truck, with

a wench that also was anchored to a loader, with the blade dug into the ground. This was done to prevent any chance of a run away condition occurring, i.e. "what's in motion, tends to stay in motion", the challenge was to hold back the 900 tons once it began to move down the hill. The building was approximately three feet out of plumb during the decent down the ramp.

After The Move

The building made the move down the hill with no problems and took into the next day to reach its final location. Once spotted over the footers, the reverse process that was used to lift the building was used to set it back down. The wood dunnage was reinstalled, at the proper height for the finished floor elevation so the jacks could be removed from the dollies and then work began on building the foundation walls, up between the support steel. The walls, 22" thick with #4 re-bar set vertically, every 4', were then filled solid with grout, this process is slow but very important. The foundation has to be built right up to the bearing walls, all the way around the building because the building is now in it's final position, there is no more lifting involved. The final stage involved releasing the jacks and pulling the steel, which was completed on September 22nd, 2004. All that remains for the project to be complete is the infilling of the holes left from the steel support beams. The building made the move with no structural damage and now sets at its new location ready for historical restoration and the widening of the Rose Tree, Providence Roads intersection.

Prepared by: James R. Elser, Project Manager, LRS Construction, Inc.



New location of the Rose Tree Tavern

PSPE Nominating Committee Report

S. Faruq Ahmed, P.E. Chair

In late summer, all chapters were asked to submit names for consideration to the Nominating Committee for state officers for the upcoming year. The Nominating Committee, comprised of one State Director from each region, included:

Robert Reisinger, PE (Central)
Eric Tappert, PE (Northeast)
Art Hall, PE (Northwest)
Frank Russo, PE, PhD (Southeast)
Dick LaFave, PE (Southwest)

Any member wishing to add his or her name to the ballot may do so by petition. Petitions signed by at least 25 eligible members, must be delivered directly to the Secretary, including a picture and biography of the candidate, **on or before March 18, 2005**, to be eligible for inclusion on the 2005-2006 ballot. A copy needs to be delivered to the Nominating Committee Chair as well. Members applying by petition can send appropriate material addressed to the Secretary at 908 N. Second Street, Harrisburg, PA, 17102.

The nominating committee submits the following slate of officers to PSPE for the year 2005-2006:

President Elect:

Harve Hnatiuk, PE

Treasurer and Secretary:

Len Bernstein, PE

Vice President Central Region:

John Bradshaw, PE, PLS

Vice President Northeast Region:

Walter Poplawski, PE

Vice President Northwest Region:

David McCullough, PE

Vice President Southeast Region:

Frank Stanton, PE

Vice President Southwest Region:

Michel Sadaka, PE

On behalf of the nomination committee I congratulate all of the nominees. I also thank the members of the nominating committee and greatly appreciate their help in this process.

*Respectfully Submitted,
S. Faruq Ahmed, Chair*

Harvey D. Hnatiuk, PE President-Elect



Harvey D. Hnatiuk, P.E. is a Vice President of Maida Engineering, Inc., which has offices in Fort Washington, PA and Orlando, FL. Harve joined Maida in 1979 following five years as a Transmission and Distribution Engineer at Philadelphia Electric Company.

While at Maida, he has completed or overseen projects for a multitude of clients in diverse sectors and industries, including pulp and paper, semiconductors, fiberglass insulation, and pharmaceuticals, municipal and government.

As a Vice President of Maida Engineering, Harve is responsible for overseeing a wide range of technical projects as well as being

involved in business development and the establishment of corporate strategy.

After growing up in Kearny, New Jersey, Harve came to Philadelphia for his college education. He graduated from the University of Pennsylvania with honors in 1974 with a BSEE degree. He was the first winner of Penn Engineering's Weygandt Award for combining solid academic performance with service to the engineering school. While at Penn, he was President of the Moore School of Electrical Engineering Student Council and President of the Penn Amateur Radio Club. He continues to be involved in alumni activities at Penn as the President of the Alumni Class Leadership Council, a board member of its Engineering Alumni Society, and a board member of Penn Alumni.

Harve has been a licensed radio amateur since age 13 and holds an advanced license (KB3FW). He has served as a local and regional director in the American Radio Relay League's National Traffic System.

Harve served as Chapter President of the Valley Forge Chapter of PSPE in 1992-93 and has since been active as its State Director. He is active in PSPE as the Southeast Region's Vice President.

In May 2002, Harve received PSPE's President's Dedicated Service Award for establishing The Pennsylvania Initiative. The Pennsylvania Initiative, which began shortly after 9-11-01, is a collaboration of engineers who are willing to volunteer their expertise in the aftermaths of emergencies and in times of crisis.

In NSPE, he is Chair of the Critical Infrastructure Homeland Security Task Force. He is a registered professional engineer in seven states and a member of the Engineers' Club of Philadelphia.

Harve is a past President of the Greater Norristown Jaycees and a past District Director of the Pennsylvania Jaycees. He is a member of the Properties Committee of the Cradle of Liberty Council of the Boy Scouts of America

and a member of the Golf Tournament Committee for United Cerebral Palsy in Philadelphia.

Residing in Audubon (Montgomery County), he is a member of the St. Teresa of Avila parish in Trooper, PA. He has one daughter (Catherine Gow), who is an architect, and one granddaughter.

Leonard K. Bernstein, PE Secretary and Treasurer



Len has been an active member of PSPE since 1981 and has been on the Board of Directors of the Philadelphia Chapter continuously since 1982 when he was elected as a Chapter

Director. Since 1982, Len has served the Philadelphia Chapter as President twice (1988-89, 1996-97), Vice President, Secretary, Chapter Director, and State Director. He has also served the Chapter by chairing the Ethics, Bylaws, and Awards Committees and as editor of the Chapter newsletter. At the State level, Len has been PSPE Treasurer since 2001, a member of the PSPE Constitution and Bylaws Committee for 13 years, serving as Chair for the last eight years, and a member of the PSPE House Bill 1960 Task Force that defeated an attempt by the Pennsylvania Sewage Enforcement Officers to legalize the engineering design of onlot sewage disposal systems by non-licensed designers. At the National level, Len is a member of the Constitution and Bylaws Task Force and has been a member of the NSPE Government Affairs Committee.

In recognition of his service to PSPE, Past President Craig L. Weaver, P.E., presented Len with the 2000 President's Dedicated Service Award for the countless hours he has dedicated to PSPE.

Len received his Bachelor of Science degree in Civil Engineering from Polytechnic Institute of Brooklyn (Brooklyn, NY) and his Master of Science degree in Civil and Urban

Engineering from the University of Pennsylvania.

Len is a licensed Professional Engineer and Sewage Enforcement Officer in Pennsylvania and is currently Special Projects Coordinator for the City of Philadelphia's Water Department. Len began with the Water Department in 1976 as a Project Engineer and advanced five years later to Chief of the Water Pollution Abatement Program, the City's \$900 million expansion of its three wastewater treatment plants. In heading the program, Len was responsible for all aspects of design, procurement, and construction of this Federally funded program. In addition to his work with the Water Pollution Abatement Program, for seven years, Len was responsible for developing and tracking the Water Department's annual Capital Budget in excess of \$200 million each year as well as the Engineering Division's annual Operating Budget. Although no longer responsible for the Capital Budget, Len is still involved with development and tracking of the Engineering Division's annual Operating Budget. As Special Projects Coordinator, Len is currently responsible for the planning activities for the Water Department and the City of Philadelphia under the Pennsylvania Sewage Facilities Act (Act 537) and coordinates Water Department activities at the Philadelphia Naval Business Center, a world-class industrial park on the site of the former Philadelphia Naval Ship Yard.

In addition to his primary employment, Len is an Adjunct Associate Professor in the Department of Civil and Environmental Engineering at Temple University in Philadelphia and is very active in the Pennsylvania Association of Sewage Enforcement Officers; the American Public Works Association (APWA) where he serves on the International Affairs Committee, the American Public Works Association/Institute of Public Works Engineering Australia/INGENIUM (Association for Local Government Engineering, New Zealand) Partnership Task Force, and the Legislative Advocacy Task Force. Len chaired the APWA Bylaws and Rules Committee for two years,

is currently President of the APWA Delaware Valley Chapter and served as Co-Chair of the APWA 2001 International Public Works Congress and Exposition when it was held in Philadelphia in September 2001. Len chairs the Awards and Bylaws Committees of the Delaware Valley Engineers Week Council.

Beyond professional activities, Len has been active in his community as a coach and referee for multiple youth sports and is a dedicated member of Our Lady of Calvary parish where he served on Parish Council for 18 years and is presently a lector and Eucharistic Minister.

Len is a Vietnam era veteran of the U.S. Army where he spent time as an instructor of various engineering subjects at the Non-Commissioned Officer Academy at Ft. Leonard Wood, MO. He lives in Philadelphia with his wife of 30 years, Joan, and has three grown children.

John F. Bradshaw, PE, PLS Vice President Central Region



John Bradshaw manages the Construction Services Department for Michael Baker Jr. Inc. (a division of Michael Baker Corporation) in its Harrisburg office. John is registered as a Professional Engineer

in Pennsylvania and several other states, and registered as a Professional Land Surveyor in Pennsylvania.

John was born and raised in Rotterdam Junction, a village in Schenectady County, NY. In 1965, he received a Bachelor of Science degree in Construction Technology from LeTourneau University in Longview, TX. After graduating, John started his career in engineering at McFarland Johnson Consulting Engineers in Binghamton, NY. Two years later, he continued his engineering career with Michael Baker Jr. Inc. in Harrisburg, PA, where he has worked for 37 years.

"Bradshaw" continued p. 14

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John has been mostly involved with transportation projects and some building projects. In his first 20 years with Baker, he worked with the structural engineering group in the design of bridges, stadiums and other structures. During the past 17 years, John has been involved with construction management and inspection projects. Significant projects include the New River Gorge Bridge in West Virginia, still the longest steel arch bridge in the world; the Alaskan Pipeline support system; the Moundsville and the Huntington Sixth Street Bridges across the Ohio River in West Virginia; the raising and expansion of Beaver Stadium at the main campus of the Pennsylvania State University in State College, PA; the redecking of the Benjamin Franklin Bridge and the rehabilitation of the PATCO rail lines on the Benjamin Franklin Bridge in Philadelphia, PA; and the RAILWORKS project in Philadelphia, a SEPTA rehabilitation of nine-mile track system and structures. Presently, John is managing the construction management support and inspection teams for several PennDOT major highway construction projects in central Pennsylvania.

John has been actively involved with PSPE since 1977. He has served as State Director, President, Treasurer, Secretary and other offices for the Harrisburg Chapter. In addition, he chaired various chapter committees, including the Engineers Week Committee for several years until the establishment of the Central Pennsylvania Engineers Week Council. John was the driving force behind the creation of the Council, which consists of professional and technical societies that support NSPE's celebration of National Engineers Week in February. John is also an active member of CMAA (Construction Management Association of America) and ASHE (American Society of Highway Engineers).

Besides being active with professional and technical societies, John has been involved with his local church, Bible Baptist Church of Shiremanstown, PA. Some church functions in which he served were Deacon, Chairman of Buildings and Grounds Committee, and

Sunday school teacher. In 1972, John was instrumental in the planning and establishment of a Christian school in his church, which now has over 600 students from Kindergarten to Grade 12.

Walter J. Poplawski, PE Vice President Northeast Region



Walter is currently serving as PSPE Northeast Region Vice-President. He is also a former Treasurer and the current Chair of the PSPE Professional Engineers in Private Practice (PEPP).

A member of NSPE/PSPE since 1981, he was Luzerne County Chapter President twice, in 1990-91 and 1997-98. Walter served as the Chapter's State Director or the Alternate Director for ten years, 1994-2004. He has been an active participant in all Chapter activities, including chair of the MATHCOUNTS and Engineers' Week committees, the monthly chapter meeting coordinator, and a variety of other Chapter duties. In 1993, he was the recipient of the Luzerne County Chapter's "Engineer of the Year Award" and in 1998 and in 2003, he received the Chapter's "Distinguished Service Award."

After graduating from Penn State in 1973 with a B.S. in Civil Engineering, Walter started his engineering career with Smith, Miller & Associates, Inc., in Kingston, PA. From 1974 to 1979 he served as the Assistant Project Manager in charge of Civil Engineering design for the Kingston Disaster Urban Renewal Project, a \$25 million flood recovery project to rebuild the infrastructure of the Municipality, which was ravaged during the Tropical Storm Agnes flooding in 1972. After leaving Smith Miller, he worked eight years for another engineering consultant and for a site construction contractor. In 1988, he rejoined former colleagues in establishing the Architecture + Engineering Group, Inc., a multi-discipline consulting firm in Wilkes-

Barre. He is currently the firm's Senior Associate in charge of Civil Engineering and site design. In the last 16 years he has been involved with scores of projects, serving a variety of public and private clients such as Ecumenical Enterprises, Inc., TFP Limited, the Greater Pittston Chamber of Commerce, the U.S. Postal Service, the Luzerne County Housing Authority, Back Mountain Recreation, Inc., the Pittston Area School District, Biscontini Distribution Centers, Dunmore Oil, Inc., TJ Maxx, and Luzerne County Community College, to name a few.

Walter's activity has not been limited to only the Engineering profession. Since 1981, he has been a member of the Kingston Shade Tree Commission, serving as the Chairman for the last 15 years. He has also been involved with youth sports in the Kingston community for twenty years, having coached dozens of baseball, football, basketball, and soccer teams. He was president of the Kingston Little League for four years. He is a lector at St. Ignatius church and is a member and past president of the parish's Holy Name Society. He is also a member of the Knights of Columbus.

Walter and his wife Pearleen have been happily married for thirty years. They are the proud parents of two sons, Kevin, a licensed physical therapist, and Scott, an accounting major at King's College, and one daughter, Mrs. Amy L. Daiute, P.E., who is also an active PSPE member. He and Pearleen joined the world of proud grandparents in January, 2004, and are certain that little Antonio is not only cute, but gifted, a sure sign of a future engineer.

David L. McCullough, PE Vice President Northwest Region



Mr. McCullough is a Civil Engineer employed as a Transportation Senior Engineer for PBS&J in Canonsburg, Pennsylvania. Currently he is working as a Section Manager on the

Design Management team for the Pennsylvania Turnpike Commission's Mon/Fayette Expressway SR 51 to I-376 project. This project, estimated to cost nearly two billion dollars to construct, will be the largest highway transportation project ever constructed in Pennsylvania and currently ranks in the top five largest transportation projects in the United States. The project section will complete the expressway from I-68 in West Virginia to I-376 in Pittsburgh, Pennsylvania. Dave is also involved with other highway and tollroad projects in the Canonsburg office.

Dave formerly worked as a Project Manager for Michael Baker Jr., Inc., the engineering division of Michael Baker Corporation, Pittsburgh, Pennsylvania. He was part of the project team that serves the Pennsylvania Turnpike Commission as the General Engineering Consultant. When he first joined Baker, his initial assignments were on the Turnpike's expansion projects, the James E. Ross (Beaver Valley) Expressway and the Amos K. Hutchison (Greensburg) Bypass. Dave's work on Turnpike projects included traffic and roadway engineering review of final design construction plans as well as traffic and planning on environmental and preliminary engineering studies. He was a member of the management steering committee for the Turnpike's 65-mile Mon/Fayette Expressway and 35-mile Southern Beltway Environmental Study for nine years, leading the traffic and engineering sub-committees. He also participated in the development of design plans for the Uniontown to Brownsville portion of the Mon/Fayette Expressway. Further, he served on the Design Management Team for portions of the Southern Beltway. Dave is also a member of the ITS Steering Committee for the Southwestern Pennsylvania Commission. Other work assignments have been on projects in Ohio, West Virginia, Florida, Illinois and Mississippi.

Dave's prior employment includes work for the District 12 office of the Pennsylvania Department of Transportation in Uniontown,

Pennsylvania. Dave was a Project Engineer in the Construction Unit, managing reconstruction projects on Interstate 70, PA Route 19 and local bridges. He also worked as a surveyor for Mounts Engineering in Washington, Pennsylvania where he was involved with many private and municipal property surveys. Some projects of interest include a large boundary survey of Appalachian Trail properties in New York for the US Department of Interior, construction surveys for the Uranium Tailings Remediation Superfund site in Canonsburg, Pennsylvania and monitoring of coal mine subsidence in Greene and Fayette Counties, Pennsylvania.

Dave graduated from the University of Pittsburgh in Pittsburgh, Pennsylvania with a Bachelor of Science degree in Civil Engineering in 1983. He received a Master of Science degree in Civil Engineering from the University of Pittsburgh in 1986 where he studied Traffic and Transportation Planning. He is a registered professional engineer in Pennsylvania. He joined the Washington County Chapter of PSPE and later transferred to the Beaver County Chapter when he began working at Baker. In addition to committee work, Dave has served as a Director, Vice-President and President of the Beaver County Chapter. He has been part of the Beaver County MATHCOUNTS Committee for the past twelve years and has been the Beaver County Chapter's Coordinator for the past eight years.

Dave was born and grew up in Washington, Pennsylvania where he was active in East Buffalo Presbyterian Church, serving in leadership roles and as the church organist. He later moved to Beaver County where he met his wife, Linda. Linda is a Doctor of Audiology with Jameson Health System in New Castle, Pennsylvania. Dave now serves as Council President, sings in the choir and teaches classes at Holy Trinity Evangelical Lutheran Church in Beaver, Pennsylvania. His spare time is spent in the garden, running and working on his house and yard. Dave and Linda reside in Brighton Township, Beaver County.

Francis J. Stanton, Jr. PE Vice President Southeast Region



Francis J. Stanton, Jr., P.E. is the current State Director and former President and Treasurer for the Valley Forge Chapter of PSPE. He is also former President of the Union County

Chapter of NJSPE. Frank is active with the Pennsylvania Initiative, the New York State Practicing Institute of Engineering, and NSPE though his participation in the Continuing Education and Membership Recruitment Task Forces.

He graduated from Villanova University in the Class of 1981 with a Bachelors Degree in Mechanical Engineering. After graduation Frank was employed as a Lead Applications Engineer and Product Manager for Alfa-Laval Thermal and Food & Dairy Groups in Fort Lee N.J. At Alfa-Laval Thermal he designed one of a kind glycerin reflux condensing column with spiral heat exchangers. With the Food & Dairy Group, he expanded the process heat transfer applications in the Sugar, Brewery and Winery markets. In 1986 Alfa-Laval relocated and Frank remained in N.J. with Tower Performance, Inc. where he designed field erected cooling towers, performed thermal evaluation of existing cooling towers, performed cooling tower tests, and inspections in accordance with Cooling Tower Institute Standards. On large projects Frank was the project manager for field construction activities.

In 1990, he was hired as a corporate staff design engineer for Amstar (Domino Sugar), where he became involved in several capital improvement projects for the sugar refineries. Many of these complex projects involved equipment installation to increase quality and production, without adversely effecting the refinery operations. These systems involved pressure vessel design, piping systems,

"Stanton" continued p. 16

"Stanton" continued from p. 17

crystallizers, heat exchangers, centrifugals, dryers, screw conveyors, vibratory equipment, bulk handling systems and ancillary equipment.

In 1996 Domino Sugar relocated corporate engineering, and Frank secured employment with British Oxygen Corporation (BOC Gases) as the Design Manager overseeing engineers and designs for large tonnage merchant plants and packaged plants, involving over 90 projects worldwide. Many of these plants produced industrial gases such as argon, oxygen, nitrogen, xenon, helium, and carbon dioxide for the industrial market.

In 1998, he joined IES Engineers, Inc. in Blue Bell, PA as Vice President supervising the engineering staff, performing feasibility studies and design-build activities in the industrial, commercial and pharmaceutical market place. He later joined Maitra Associates, PC where as Vice President he oversaw operations of the 120 person firm performing design and construction inspection activities in the commercial and governmental markets. Projects included the NJ Parkway Northern Barrier Replacement project, Brooklyn Battery Tunnel Signal Upgrade, Port Authority NY&NJ Bus Terminal Administrative Office Upgrades, Gothels Bridge Inspection and numerous other projects.

In 2001, Frank and Ann Marie, his wife of twenty years and also a graduate of Villanova's mechanical engineering program,

organized The ENC Group, LLC a DBE providing project support services to the industrial, commercial and governmental markets. They have completed projects at the largest nitrogen plant in the world located in Mexico, and several projects in Canada, Sweden and India. In addition, they have completed the designs for major facility expansions with material handling upgrades, power plant upgrades, boiler installations, process piping and process vessels, and they are active in the transportation market providing project support activities such as scheduling and cost estimating for major projects.

Frank and Ann Marie reside in Richboro PA with their three sons, Francis, Matthew and Jonathan. The three boys are competitive swimmers on Council Rock High School South's Swim & Diving Team, Tri-Hampton YMCA Swim Team and Council Rock Aquatic Club Swim Team.

**Michel J. Sadaka, PE
Vice President Southwest Region**



Michel J. Sadaka is founder and president of Sadaka Corporation, a project management and engineering consulting firm. With more than

22 years experience in the Construction Management and Engineering fields, he is recognized as an expert in the construction claims field and has testified on many occasions in court and arbitration hearings in that capacity.

Michel received an M.S.C.E. in Construction Management from the University of Pittsburgh, and a B.S.C.E. with an emphasis on structural engineering at the University of Massachusetts at Dartmouth.

Michel has been actively involved with PSPE since 1993. He has served the Pittsburgh Chapter as Construction Legislative Council delegate, President, and a board member for the past five years. He currently serves as chapter webmaster, chair of the regional MATHCOUNTS program, and Alternate State Director. In the past, Michel has chaired the Pittsburgh Chapter task force to review the Pennsylvania Registration Act, the Engineer's week banquet committee, and the awards committee.

At the state level, Michel chairs the recently formed PSPE Professional Development Task Force. He is also the Professional Engineers in Private Practice (PEPP) South West Regional Vice Chair.

In addition to being active with PSPE, Michel is also a member of the American Arbitration Association National Panel of Commercial Arbitrators (Construction Industry) and an associate member of the Constructors Association of Western Pennsylvania and serves on the Professional Services Council for the CAWP. ■



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Bridge and Highway Engineering

Member Spotlight



Ronald J. Drnevich, P.E., Named to Business Hall of Fame

Ronald J. Drnevich, P.E., chairman of the Board and chief executive officer (CEO) of Gannett Fleming, has been named to the Central Penn Business Journal's Hall of Fame. According to the journal's publisher, Drnevich was chosen for his solid determination, strong ethics, visionary leadership, and deep commitment to business success.

Drnevich is among the first three business leaders to be inducted into the Hall of Fame. He was recognized for his 41 years with Gannett Fleming, an international planning, design, and construction management firm. Beginning his career with the firm as a junior engineer, Drnevich was named CEO in 1994. Under his leadership during the past 10 years, Gannett Fleming doubled in size and added offices all over North America.

Drnevich holds a bachelor of science in civil engineering from the University of Notre Dame and completed graduate work in structures at Carnegie Mellon University. He serves on the boards of the Military Heritage Foundation, Lebanon Valley College, and the local chapter

of the National Multiple Sclerosis Society. He is also the chair of the Harrisburg Regional Chamber of Commerce's Military Liaison Committee.

Among his numerous professional affiliations, Drnevich served as national director of the American Council of Engineering Companies and is a former president of the Central Pennsylvania Section of the American Society of Civil Engineers. He is a member of the American Road & Transportation Builders Association and the American Society of Highway Engineers.



Derek A. Donnelly Attains Professional Registration

C. S. Davidson, Inc. congratulates Derek A. Donnelly for receiving Professional Engineer registration. Derek, a C. S. Davidson employee since 2000, is a graduate of the University of Pittsburgh and received his registration within the Commonwealth of Pennsylvania. Derek's expertise is structural building design. He is a member of the Pennsylvania Society of

Professional Engineers, the American Society of Civil Engineers, and the Green Building Council of Central Pennsylvania. ■



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Political Action Committee

2005 Sponsor Recognition

Many thanks to the following individuals who contribute to the PSPE Political Action Committee fund, allowing our staff to influence bills on behalf of PSPE members. PSPE is very active at the Pennsylvania state capitol monitoring legislation that could impact PSPE members in their profession. Your contributions are critical as PSPE affects bills such as those found in the article "On Capitol Hill."

(If you would like to receive monthly legislative updates from the PSPE listserv, simply send an e-mail message to jennifer@wannerassoc.com with the subject: "add me to the monthly update.")

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Thank you!

"Capitol" continued from p. 5

Auditor General Robert Casey outlined the following recommended changes based on the audit findings:

- Ensure all fire alarm systems and equipment are inspected and tested regularly.
- Ensure that fire alarm systems in the buildings are connected to the main fire alarm system in the control room.
- Equip residential buildings with sprinkler systems.
- Install smoke detectors in all sleeping areas.
- Inspect fire extinguishers monthly.

Auditor General Casey stated that protecting people is a very important responsibility of the government. He also suggested that this issue should not be considered solely in monetary terms because "this is about giving peace of mind to vulnerable people and their families."

He concluded his remarks by endorsing the legislation and urging the General Assembly to work to pass it as soon as possible.

Rep. McGeehan then showed video newscasts of fires at residential housing facilities to demonstrate the damage fires can bring on buildings and the people living in them.

Firefighters and fire protection industry representatives also spoke at the press conference to offer their experiences with destructive fires and to emphasize the need for sprinklers.

Rep. McGeehan concluded the event by noting that a small investment in sprinklers can prevent catastrophic damage to institutions across the state.

Governor to Unveil 2005-06 Budget Proposal February 8

The annual presentation of the Governor's budget proposal is scheduled for February 8. Under Gov. Rendell this event had proved to be particularly interesting, beginning with his first budget presentation two years ago, which he asked the General Assembly NOT to pass, a request the legislature not only ignored, but passed in record time, only to have it vetoed, causing the longest delay in state history. The intrigue continued last year, with a large tax increase. None of that is expected this year, but large holes still need to be filled, including nearly one billion dollars in the Department of Public Welfare budget, as well as what the Governor claims to be a need for \$800 million for his "Growing Greener II" environmental plan. The address to a joint session of the House and Senate will be televised live on PCN at noon. Details will be reported here next month.

Legislative Activity

No new bills of interest to PSPE were introduced so far this session.

House & Senate Session Days Schedule

2005 House Spring Session Schedule

January	24, 25, 26 (non-voting), 31
February	1, 2, 7, 8, 9, 14, 15
March	14, 15, 16, 29, 30
April	4, 5, 6, 11, 12, 13
May	2, 3, 4, 9, 10, 11
June	6, 7, 8, 13, 14, 15, 20, 21, 22, 23, 24, 27, 28, 29, 30

2005 Senate Spring Session Schedule

January	24, 25, 26, 31
February	1, 2, 7, 8, 9, 14, 15
March	14, 15, 16, 21, 22
April	4, 5, 6, 11, 12, 13, 18, 19, 20
May	2, 3, 4, 9, 10, 11
June	6, 7, 8, 13, 14, 15, 20, 21, 22, 23, 27, 28, 29, 30

Copies of all bills of interest are available from the PSPE office, or they can be accessed via the Internet at <http://www.legis.state.pa.us/WU01/LI/BI/billroom.htm>. ■

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SITE-Blauvelt Engineers, Inc. (www.site-blauvelt.com) currently has openings for:

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Engineering Position

Quality Engineering Solutions, Inc, is searching for an experienced structural engineer with Load Resistance Factor Design experience. Experience with PennDOT structural design procedures and Load Resistance Factor Rating is preferred. Additional engineering design experience is a plus, but is not required. Qualified candidates should have a minimum of five (5) years experience, a Pennsylvania PE license or the ability to obtain.

Interested candidates should mail resume and letter of interest stating salary objectives to Sherry Morian, President, Quality Engineering Solutions, Inc., P.O. Box 3004, Conneaut Lake, PA 16316 or email information to smorian@qes Pavements.com.

PSPE Calendar of Events

2005

February 20-26	Engineers Week
March 18-19	Pennsylvania MATHCOUNTS <i>Harrisburg, PA</i>
May 5-8	National MATHCOUNTS <i>Detroit, MI</i>
May 19-21	PSPE Annual Conference <i>Chateau Resort and Conference Center Tannersville, PA</i>
July 7-9	NSPE Annual Convention & Expo <i>Renaissance Chicago Hotel</i>

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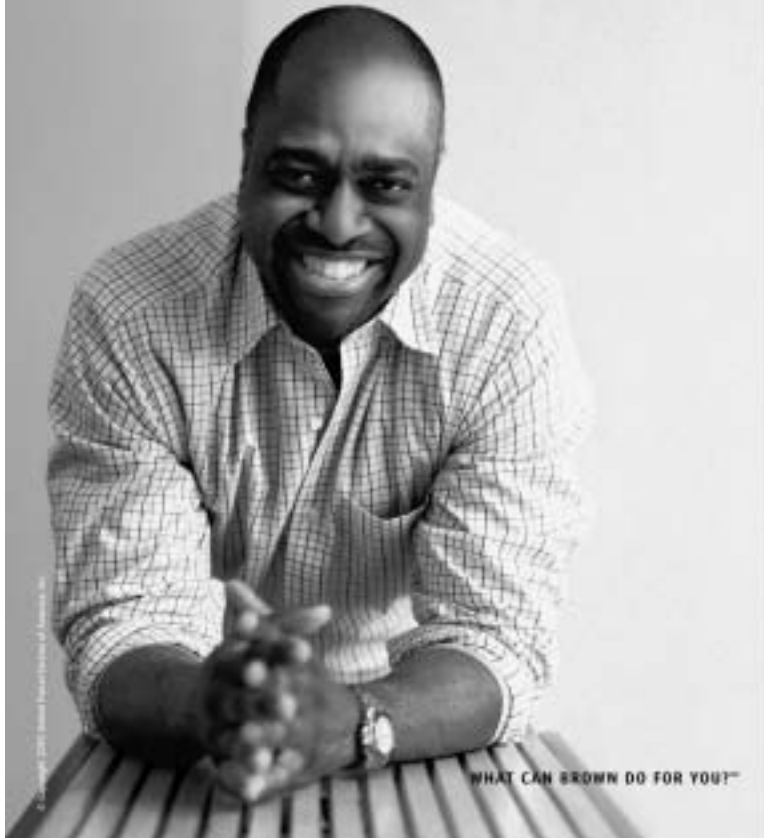
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