



News from Delaware's Licensing Council for Professional Engineers

Fall 2008



PRESIDENT'S MESSAGE

By Frank A. Newton

First of all I would like to thank Guy Marcozzi for his leadership and accomplishments during his tenure as the DAPE President for the last two years. We can all look forward to his sage advice as Past President and his further contributions as DAPE moves forward.

It would be appropriate for me as the newly elected President of DAPE to introduce myself to the members of this fine organization. The legislation that created DAPE requires that three members of the Council be appointed by the Governor, one from each Delaware County, to serve with the elected Professional Engineers of the State. I am the public appointed member from Kent County. I am particularly proud of the fact that the Council has elected me to serve as President of the Council.

A thumb nail sketch of my background, by way of introduction would be appropriate. I am a retired Lieutenant Colonel from the United States Air Force where I served for 22 years as a pilot and in a number of command positions. I have acquired experience both in the private sector, non-profit sector and served the State on a number of Boards, Councils, Task Forces and served as Deputy State Treasurer for 11 years.

With this varied experience I look forward to serving the State, the public and the Professional Engineers licensed in Delaware. Maintaining the high standards of licensing of engineers in Delaware is a high priority.

As we look forward the Council has an ad-hoc committee looking at the options for the offices of

DAPE. Our lease on our current facility comes up for renewal next spring and we are examining options in that regard. I want to have improvements made to the services delivered on our website. We have made great strides in making licensure easier and quicker but there are other improvements that can be made and we need to keep up with technology in this regard.

We need to make changes in how we file and archive documentation and retrieve documents and will be looking at alternatives to modernize our present systems.

There are no known major legislative initiatives on the horizon for the next session of the General Assembly. We will probably have a minor housekeeping bill introduced and will shepherd that through the legislative process.

At the recent NCEES annual meeting a great deal of time was being spent on the model law that includes a requirement of an additional 30 credit hours of academic work beyond the bachelor's degree for licensure of a P.E. There are many problems and pit falls in trying to administer such a program outside of the academic approval of an engineering program. Your Delaware Council has not supported such a program because of all the problems that this raises for administration outside of academia.

One of the principal reasons for NCEES adopting a bachelors + 30 requirement is the idea that graduates of existing engineering programs are not adequately prepared to become licensed professional engineers. In my view, most of the evidence of this problem is anecdotal not based in hard evidence. I would like to

hear from our engineers as to what their experience is regarding the products of our colleges and universities as to whether they feel engineering graduates are not being prepared to meet the needs of the profession. If you have any experience in this regard please pass it on to the DAPE office for our consideration.

MESSAGE FROM THE EXECUTIVE
DIRECTOR
By Peggy Abshagen

Annually, DAPE reaches out to building and permitting officials, other state agencies and those that utilize engineering services to promote the resources of DAPE to assist these groups in their efforts to protect the health, life, safety and welfare of the public of the residents of Delaware.

On October 20, 2008, a Joint Panel Discussion was held at the Dover Downs Conference Center. Panelists included Council member Zac Crouch, P.E., the esteemed structural engineering expert Bob Chagnon, P.E., building code official for New Castle County George Haggerty, plans reviewer for New Castle County Alan Steinle, P.E., John Rudd of the State Fire Marshal's office, and Architect Alvin W. French.

This initiative grew from a list of top building plan deficiencies developed by Alan Steinle, in his role as a reviewer of plans for New Castle County. This list applies to both the engineering and the architecture professions. The top two deficiencies are listed as:

- . Architects who prepare incomplete structural drawings;
- . Structural engineers who prepare incomplete building drawings;

Followed by:

- . Design professionals who do not understand buildings' height/area provisions; fire walls; separated and non-separated use groups, etc., etc.
- . Submitting drawings for review prior to a review by the State Fire Marshal.

Excerpts from each of the presenters:

Haggerty: "75% of new commercial building submissions require additional information or revisions."

Steinle: "Impossible to accurately review for Code compliance without the use designation.

Rudd: "Preliminary/Design concept meetings are encouraged and are free (for now)."

Chagnon: "A new bridge to better understanding common concerns between the design professional community and the permitting officials was crossed."

French: "Title 24 Del. Code §303 (c) requires notice by an architect who is not employed to furnish Construction Administration Services."

Approximately 60 engineers, architects, building officials, and design/build contractors were in attendance and were provided with handouts, continuing education credits and the opportunity to speak with the experts on more efficient plan submissions.

We look forward to future panel discussions and are open to suggestions for agenda items.



Do We Need Or Want An
Engineering Center ?

By Robert A. Chagnon, P.E., SECB

First of all, what's an engineering center? I'm not sure that I really know since it seems to have so many definitions. However, I understand that several cities across the country do have engineering centers that take many different forms. Philadelphia once had one that went out of business some years back. It was a rather up-scale, private club-like facility where engineers could go for lunch, hold meetings, schedule social functions, get engineering organization newsletters published, network with other engineers and etc. Variations of the latter exist most everywhere except Delaware. Many function as a central clearing house for most all of the locally associated engineering organizations, such as; ACEC, ASME, ASCE, AICHE, IEEE and so on. The organizations group together to support the need for a joint executive director that compiles and publishes their newsletters, tends to daily

related affairs, schedules meetings, workshops, seminars and etc., on an as-needed basis, takes care of all of the publicity requirements and a multitude of other related functions.

Here's what some other states say about such: **Oklahoma** has one and it's called "The Oklahoma Engineering Center, of all things. It's owned by the Oklahoma Engineering Foundation and space is leased out to OSPE and ACEC. It contains a large meeting room where other engineering groups hold their meetings. **Tennessee** also has one called "The Engineering Center". It houses the Tennessee Society of Professional Engineers, ACEC of Tennessee and the Adventure Science Center. Its meeting facilities are used by the various engineering societies and for continuing education seminars. **Kentucky and Louisiana** also have one that houses their state boards and other state engineering societies, which publish joint newsletters for all. **Mississippi** doesn't have one as of yet but are looking to buy a building and rent space to the state engineering societies and associations.

Does Delaware Need An Engineering Center? That question has been kicked around for some time now. It leaned toward that direction years back when the Delaware Council of Engineering Societies was founded. It's still around but strictly on paper. Its paper counterpart is held by the Delaware Engineering Society (DES) along with its bank account and oversees its primary and only function, which is to sponsor the Engineer's Week Banquet each year. Its initial intent was to function as the central clearing house for all of Delaware's different engineering societies, but not enough such societies got on board so it never really materialized into anything significant.

Most all of the engineering societies represented in Delaware face the same functioning problems. They can't afford an executive director, quality newsletters are often too expensive to publish, assistance from volunteers is unreliable, getting the word out for a meeting is inefficient and looking and appearing professional to the general public is near impossible. What's also impossible is providing an opinion regarding a public or legislative matter as a unified front.

If We Were To Have An Engineering Center, What Would It Be? A small handful of local engineers have been interested in pursuing this for quite some time now. Their thoughts for such are nothing much more than having some office space and a small staff (full-time executive director and a part-time executive assistant) dedicated to administering to the needs and representation of as many of Delaware's

engineering societies as they see fit to be part of such representation. Their function would be to provide managerial and public relation services that are needed to meet the needs of the different organizations; including the organization and scheduling of meetings, workshops and etc., the publishing of newsletters and news releases, functioning as the key contact source for legislative issues affecting engineers and/or the health, life, safety and welfare of the public and etc.

How Does DAPE Fit Into This? That all depends on the DAPE Council. The current thinking, by the aforementioned small handful of local engineers interested in pursuing this, is for DAPE to sublet the space needed for the office facilities involved along with sharing their conference room for private meetings of the various organization's executive and sub-committees. It is understood by all that security measures would have to be implemented to insure the privacy of DAPE's records and examination materials, when involved. DAPE's current lease expires early next year, which puts them in a position to expand their facilities either at their present or a new location. Nothing in Delaware's Code Title 24 Chapter 28 prevents them from pursuing such a venture. However, there's also nothing in Section 2804 of the Code, "Delaware Association of Professional Engineers; Objectives" that provides them with a mandate for such. Only time will tell how all this shakes out.

What say you all on all this?

Editorial note related to the above article: At its November meeting, the DAPE Council approved a motion to permit its Ad-Hoc/Facilities Committee to consider office space to support collaboration with other engineering organizations in some type of shared office setting.

UPDATE:

Special License Plate For Delaware PE's



Is Anyone Else Interested?

Still looking for 150 interested participants in order to meet the Division of Motor Vehicle requirement of 200 applications for our special license plates. We have more than 1100 members that reside in Delaware and are eligible to be among this group. Contact the DAPE office today!

(Here's the background info:)

As a Delaware non-profit organization, DAPE can qualify for special registration plates for its members. To do so, DAPE must provide a minimum of 200 applications for such before the Division of Motor Vehicles can consider issuing a special license plate for Delaware Professional Engineers. A one-time fee of \$10.00 is charged for each special plate. That fee is to be paid for by the individual that will be receiving the plate. For "special" license plates, as compared to "vanity plates", yearly license renewal costs are the same as for conventional license renewals. Special plates are limited to passenger vehicles and trucks rated at 3/4-ton capacity or smaller. The vehicle must also have a current Delaware registration.

If interested, please call, e-mail or fax Peggy Abshagen at DAPE and provide her with your name, your PE license number and how to best get back to you with a follow-up application form and \$10.00 fee submittal. **We need a minimum of 200 interested applicants to pull this off so please get to Peggy ASAP, if interested.** DAPE's phone number is 302/368-6708. Fax number is 302-368-6710 and Peggy's e-mail address is peggy@dape.org.

DELINQUENT CERTIFICATES OF AUTHORIZATION

In accordance with §2806 (e) (4) of the Delaware Professional Engineers' Act, the following firms are no longer eligible to offer or provide engineering services in the State of Delaware, as their Certificate of Authorization expired **June 30, 2008**:

#155 Andrews, Miller & Associates, Inc.
#202 Chilton Engineering, Inc.
#215 Lichtenstein Consulting Engineers, Inc.
#480 Batta Environmental Associates, Inc.

#589 Day & Zimmermann International, Inc.
#625 Valley Forge Laboratories, Inc.
#689 French & Parrello Associates, PA
#734 Ratech Engineering
#738 Jacobs Civil Inc.
#760 Macris, Hendricks & Glascock, P.A.
#793 Delta Airport Consultants, Inc.
#961 Hodge Design Associates, P.C.
#979 Alderson Engineering, Inc.
#996 Albertus Engineering, Inc.
#1011 Inframap Corp.
#1013 J.W. Salm Engineering, Inc.
#1017 Lutz Engineering, Inc.
#1032 Robertson- CECO Corporation
#1085 Barton Associates, Inc.
#2015 Signet Engineering, P.A.
#2053 RT Environmental Services, Inc.
#2068 BAE Systems ADR
#2109 Pirod Inc.
#2112 Larson Engineering, Inc.
#2132 Siegel, Rutherford, Bradstock ...
#2133 Weidlinger Associates, Inc.
#2152 Leavitt & Associates Engineers
#2169 Hatch Associates Consultants, Inc.
#2175 Matrix Service, Inc.
#2179 Amolins Structural Consultants, Inc.
#2200 Entrix, Inc.
#2245 ABSG Consulting, Inc.
#2275 Dietrich Design Group Inc.
#2288 Greg Riley P.E. Structural Eng.
#2300 C. David Jamison, P.E., Inc.
#2328 WD Partners, Inc.
#2341 Colwill Engineering Consulting
#2345 IBI Group
#2366 Purdy-McGuire, Inc.
#2368 Schnabel North, LLC
#2373 Anderson & Assoc. of Virginia Inc.
#2386 Blake and Vaughan Engineering, Inc.
#2422 Facility Dynamics Engineering Corp.
#2424 The Durrant Group, Inc.
#2432 B Squared Engineering, LLC
#2435 Iott Architecture & Eng., Inc.
#2448 Tourgee & Associates, Inc.
#2452 Global Enercom Management, Inc.
#2458 Tatum-Smith Engineers, Inc.
#2460 Arcadis of New York, Inc.
#2471 Rathgeber/Goss Associates, P.C.
#2487 Mark Magrann Associates, Inc.
#2496 Shaw Energy Delivery Services, Inc.
#2500 Zade Company, Inc.
#2501 Earth Tech, Inc.
#2502 The Warren Group, Inc.
#2507 Urbantech, Inc.
#2554 AAC Designers Builders, Inc.
#2557 BYG Group T/A BHSA Engineering
#2578 Power System Engineering, Inc.
#2586 Systra Consulting, Inc.

#2591 KPFF, Inc.
 #2595 Utility Consultants, Inc.
 #2620 Lawrie & Associates, LLC
 #2627 Arnold & O'Sheridan, Inc.
 #2667 Lehigh Valley Technical Assoc., Inc.
 #2679 Coastal Caisson Corp.
 #2682 D.A. Brown and Associates, PLLC
 #2687 ATC Tower Services, Inc.
 #2688 Geoterra Consultants, LLC
 #2697 Johannessen & Leone Associates, Ltd.
 #2706 Clark Western Design
 #2710 Lindell Engineering, Inc.
 #2724 Calibre Systems, Inc.
 #2727 Corven Engineering, Inc.
 #2728 E&M Engineering
 #2749 WRS Infrastructure & Environment, Inc.
 #2758 Freeland & Associates, Inc.
 #2762 Wachter & Associates Engineering
 #2780 Joseph Barbato Associates, LLC
 #2784 Jax Apex Technology Inc.
 #2791 Agape Engineering Solutions
 #2794 Ang Associates, Inc.
 #2798 Sheladia Associates, Inc.
 #2804 Advanced Engineering, Inc.
 #2805 Hardin-Kight Associates, Inc.
 #2808 Evergreen Engineering, LLC
 #2813 Haggarty and Associates, Inc.
 #2817 Evergreen Management Group
 #2822 Kleinfelder East, Inc.
 #2839 Keith Andersen Engineering, LLC
 #2840 Maser Consulting, P.A.
 #2844 Cahill Associates, Inc.
 #2851 James C. Kelly & Assoc.
 #2859 Elson Engineering Corporation
 #2863 Rolf Jensen & Associates Inc.
 #2864 Raudenbush Engineering, Inc.
 #2865 Dyer, Riddle, Mills & Precourt, Inc.
 #2873 Coulbourne Consulting
 #2874 Setty & Associates, Ltd.
 #2876 Latimer, Sommers & Associates, P.A.
 #2877 Wickersham Construction & Eng.
 #2882 Phoenix Design Group, Ltd.
 #2893 Acorn Engineering Co.
 #2902 Prime Engineering, Inc.
 #2915 Nepo Associates, Inc.
 #2916 Becht Engineering BT, Inc.
 #2917 Sigma Energy Solutions, Inc.

Unlicensed practice is a serious violation of the law and one that is pursued vigorously by DAPE. Reinstatement of this authority requires approval by the Board and payment of penalty fees.

A VALUABLE RESOURCE: PROCTORS

From time to time we extend our thanks for the many members of DAPE who volunteer their time for the profession. Those that proctor the exams are especially deserving of recognition for their efforts. The exam administration is one of the basics of licensure, requiring a top notch group of individuals to maintain the integrity of the exam process.

DAPE extends its appreciation to the following members of the October, 2008 proctoring team:

Chief Proctors:

Harry How
 Greg Pawlowski
 John Traynor
 Joe Volk

Proctoring Team:

Dan Barbato	Keith Kooker
Carmine Balascio	Bob Leitsch
Bill Brockenbrough	Meghan Lester
Ken Quesenberry	Guy Marcozzi
Geoff Reichelt	Charlie McAllister
Ted Robinson	Tiffany McClure
Dave Chandlee	George Nagase
Vince Cichocki	Arkan Say
Jim Davidson	Doug Seavey
Glen Davis	Joe Serbu
Paul Gerard	Mike Siwek
Phil Girandola	Lucie Wilkens

As always, everyone did a terrific job. Please accept our sincerest thanks! And those proctors that assisted for more than one session – we really couldn't have done it without you!!!

AFTER FAILING THE PE EXAM FOUR TIMES: WHAT'S NEXT?

On July 3, 2008, the Governor signed legislation that will require those that have failed the Principles & Practice of Engineering examination four times to take measures to remedy their areas of deficiencies. Specifically, §2817 (a) (5) (g) requires reapplication with three new references (two of which must be licensed professional engineers), as well as additional education or experience that demonstrates how that education or experience has better prepared the applicant to pass the examination.

The additional education required will be successful completion of six (6) college-level credit hours that are pre-approved to assure that the courses address identified subject matter weaknesses. Two additional years of experience that provides better preparedness for future exams will satisfy the experience requirement. Or, some appropriate combination of the education and experience.

All examinees were notified of this law revision prior to the October, 2008 exam administration and further advised this will be effective retroactively in April, 2009.

DAPE COUNCIL WELCOMES TWO NEW COUNCIL MEMBERS

With the departure of Carmine Balasico, P.E. and J.G.S. Billingsley, P.E., from the DAPE Council, **Annette Shine, P.E.**, and **Richard Walsh, P.E.** filled those Council seat vacancies.



Shine was elected to fill the "Education" seat, as a University of Delaware Chemical Engineering professor. She has a PhD from MIT; 21 years in the education field and holds four patents. Serving as

a member of the Examining Committee, Shine encourages students to begin the path to licensure by taking the Fundamentals of Engineering examination.

The Mechanical Engineering seat was filled by Walsh, who is employed by T.A. Instruments, New Castle, Delaware. Walsh is a graduate of the University of Delaware, with a bachelor's, master's and Ph.D. in mechanical engineering.



Shine and Walsh were elected to four-year terms expiring August 31, 2012. We look forward to their contributions over the next four years.

2008/2009 COMMITTEE CHAIRS

President Newton has appointed the following Council members as Committee Chairs:

Examining Committee: Gregory G. Pawlowski, P.E.
Alfred S. DeLuca, P.E.

External Affairs Comm.: W. Zachary Crouch, P.E.

Facilities Comm.: Keith Kooker, P.E.

Finance Committee: Gregory G. Pawlowski, P.E.

Government Affairs: J. Paul Jones, P.E.

Law Enforcement: Charles L. McAllister, P.E.
W. Zachary Crouch, P.E.

Public Information: Richard Walsh, P.E.

Ad-Hoc/Office Relocation: Guy Marcozzi, P.E.

LAW ENFORCEMENT CORNER

The Law Enforcement/Ethics Committee has successfully resolved 17 cases since September, 2008. Five of these cases resulted in firms obtaining Certificates of Authorization to practice engineering in the State; 11 cases were resolved administratively; and a Consent Order was issued by Council to resolve another case.

Case 08/106 -- Turner, Brian G.

Exam impropriety at the April 11, 2008 exam administration violating 24 Del. C. §2823 (b). Applicant agreed to an order forbidding him from applying to sit for the Principles & Practice of Engineering examination for both the October, 2008 and April, 2009 exams, as well as the successful completion of a course in ethics.

HISTORICAL SNAPSHOTS:

LONGEST HELD DELAWARE P.E. LICENSE

The Delaware State Board of Registration for Professional Engineers and Land Surveyors was created by House Bill 70, signed into law by former Governor Walter Bacon on 4/18/41.

Approximately one year later, PE license **#170** was issued to **George C. Stradley**, a mechanical engineer from Spring, Texas. Mr. Stradley still holds this license some 66 years later. DAPE would like to take this

opportunity to recognize the engineering career of Mr. Stradley.

Just in case you are wondering, the next longest held Delaware P.E. license is **#438** issued to Civil engineer **William J. Miller**, of Dover, Delaware.

Congratulations to both of these fine engineers!

2008/2009 COMMITTEE MEMBERS

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Alfred S. DeLuca, P.E. – Co-Chair
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Robert Cannon, P.E.
Robert A. Chagnon, P.E.
James S. Davidson, P.E.
Daniel Koffler, P.E.
Meghan Lester, P.E.
Hugh M. Mahaffy, P.E.
Robert W. McClure, P.E.
David W. Reinhold, P.E.
Annette D. Shine, P.E.
Eugene B. Snell, P.E.

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David G. Clark, P.E.
Ana E. Diaz, P.E.
Charles L. McAllister, P.E.
Eugene B. Snell, P.E.

Facilities Committee:

Keith R. Kooker, P.E. -- Chair

Government Affairs/Bylaws Committee:

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Guy F. Marcozzi, P.E.
Vincent C. Robertson, Esq.

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Joseph G. Charma, P.E.
James S. Davidson, P.E.
Ana E. Diaz, P.E.
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Ad-Hoc/Facilities – Office Space Committee:

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J. Paul Jones, P.E., "Other" Eng.	8/31/09
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Thomas P. McGonigle, Esq.—NCC—Apptd.	10/26/11
Frank A. Newton, Kent Co.—Apptd.	1/30/10
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Vincent Robertson, Esq.—Sussex Co.—Apptd.	9/27/12
Annette D. Shine, P.E. — Education	8/31/12
Richard M. Walsh, P.E. — Mechanical Engineering	8/31/12

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