



VOL. 71
NO. 1



Franklin County Chapter
Ohio Society of Professional Engineers

SEPTEMBER 2012

Columbus Engineer

**Official Publication of the Franklin County Chapter of the
Ohio and National Societies of Professional Engineers**

PRESIDENT'S MESSAGE

By Leon E. Winget, Ph.D., P.E. / FCC President



Welcome back. Another hot summer has passed. The members of your FCC Board are working hard to present another interesting and exciting year. I am honored to serve as your president of FCC/OSPE, one more time. I thank Howard and

Devon for their service the prior two years. I am working closely with both to aid in the advancement of the professional engineer. We are planning another year of great programs, to aid in this advancement.

FCC Columbus Engineer is now entering its 70th year. Howard Jones is the Editor. Should you have an interest that you would like to see covered in an article, please inform Howard. Last year a historical series was initiated with an abbreviated look-back into the formation of FCC/OSPE. The history articles will continue this year, with the next one "The History of FCC/OSPE – 'The Early Years-Part II'", in this issue.

Our speaker for the September luncheon, is Professor Halil Sezen from Ohio State University. Please refer to the announcement on this page for the details.

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FCC-OSPE September Luncheon Program

DATE: Wednesday, September 19, 2012
PLACE: The Hickory House
550 Officecenter Place, Gahanna
TIME: Registration: 11:30 am
Lunch: 11:50 am
Speaker: 12:10 pm
Closing Remarks: 1:00 pm
COST: Advance Reservation: Members: \$20.00
Non-Members: \$30.00. Call Chapter at 470-4170 or email registration information to OSPEFCC@aol.com by Sept. 17. Please include name and phone number.
Pay at the door (check payable to FCC-OSPE)

PROGRAM: *How to Read and Communicate with Engineers Effectively*

Presenter: Dr Halil Sezen is an Associate Professor in the Department of Civil, Environmental and

Geodetic Engineering at The Ohio State University. He has been teaching structural engineering and design classes at OSU. He also has been teaching PE exam preparation classes to experienced engineers for the last ten years.

His presentation will focus on how to read body language in our daily communications with people. He will summarize some of the research on body language, effective communication and nonverbal gestures. He will present his observations on personal space and reading physical gestures and nonverbal signals based on his interactions with hundreds of students and professionals. The presentation will include tips about what to do and not to do in certain situations and interactions with other people.

A certificate for 1 hour of Professional Development for attending the program will be presented at the luncheon.

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Our fall seminar has been moved-up to October so as not to conflict with other activities. Our subject is on “Quality in Engineering”. This was one of Herbert Hoover’s pet concepts in the 1930’s and later carried forward by Joseph Juran. Mr. Juran was hired as a consultant to Toyota and was credited with turning the company around, in the late 1960’s. His book, now in its 6th edition, is considered the bible in the field.

Some of our principal programs for this year are:

- MATHCOUNTS is headed up by Joe Bolzenius. Note that Joe needs 70 to 80 volunteers to administer the competition in February, namely: proctors, graders, runners and in the afternoon, he will need at least 10 volunteers to administer the Countdown Round.
- Second Grade Coloring Contest is conducted by Devon Seal. FCC has over 20 elementary schools, which Devon will need volunteers to present “Imagine Engineering”.
- Science Day is under the guidance of Joe Sullivan. Approximately 50 students will present projects to be judged by an engineer. Joe’s volunteers have about one and one half hour to cover all the projects. Joe would like at least 10 to 12 engineers to help. The last couple of years the committee had to be very selective as to what projects to judge. To help promote the profession of engineering, we should cover as many projects as feasible.

And in addition:

- FCC grants one to two scholarships every year to students who submit their short essay and “accomplishments”, to be graded by our members.
- Our society, at the State Level, tracks all bills passing through the State Legislature that will have influence on our profession. Steve Day is our legislative contact. Please feel free to contact Steve if you have any input or questions on bills that you have an interest.

Yes, there are many opportunities to get involved in FCC/OSPE. Please join us and help in the promotion of our engineering profession. It is our obligation, as our profession is “the profession” that promotes the safety of the public. As a society, it is our “charge to look out for the public’s best interest while protecting and advancing the status of professional licensure and registration.”

Note, please let your friends know that all engineers, who join FCC/OSPE, will receive a discount on each of our CPD programs. The discounts alone will more than cover the local FCC dues. In addition, the OSPE allows discounts for their CPD programs that will essentially cover the cost of the dues for the State fees. Please contact me with your comments or questions at (614)-395-8249 or email at “jolewin2@sbcglobal.net”. I welcome your input.



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SEPT. AUXILIARY EVENT

The Auxiliary to the Franklin Co. Chapter of OSPE will meet for a noon luncheon on Tuesday, September 18, at Worthington Hills Country Club, 910 Clubview Dr., Worthington.

Speaker will be Christopher Purdy of WOSU-Radio.

Barbara Fuller will give the invocation and lead the Pledge of Allegiance.

Guests and potential members are always welcome. For reservations call Jean Mitchell at 614-262-7071.

A History of FCC/OSPE – “The Early Years – Part II” (The End of the War)

(This is the fourth issue of the History of Franklin County Chapter. Prior issues may be viewed at “ohioengineer.com - Member Chapters - Franklin County” “News letters” “2012 February, March and May”. The content is based on the publication “A History of FCC”, compiled by Frank Geyer in 1972.)

Moving forward to the FCC fiscal year 1944-45. The Pacific war had moved toward victory. The sea battles of the Philippine Sea and Leyte Gulf removed the Japanese naval fleet as an effective weapon. Germany had surrendered, May 9, 1945. The atomic bombs were soon to be detonated over Hiroshima and Nagasaki, and Japan would capitulate on August 14, 1945.

The war cost the US 321,000 dead and over 800,000 wounded. The death toll would have been higher, if it were not for the development of (the miracle drug) penicillin and sulfa drugs. In addition, the use of blood plasma aided in the saving of the GI lives.

The total membership of OSPE had grown to 2302, and the FCC membership to 261, with 17 members in the Armed Forces. The FCC President was William Walker. Dinner/luncheon meetings had become the norm. The meetings were usually held at the Seneca Hotel. The dinner costs were \$1.25 to \$1.50. One meeting was held at Curtiss-Wright Corp, which was next to the old Columbus Airport on East Fifth Avenue. (Only 8 years later, I started my tour of employment that lasted almost 10 years at that location with North American Aviation, the Navy contractor.) The presentation was directed to the cooperation required between many types of engineers to achieve an efficient aircraft design. Members of FCC took a short tour of the Curtis-Wright Facility.

The US national debt had skyrocketed (where have we heard that). The National debt had grown so large; that it was estimate that the Franklin County portion was over one billion dollars. As a sidelight, to save on metal, Illinois made auto license plates out of soybean mill, which dogs found quite tasty. (At that time new plates were issued every year with different colors. What a waste.)

The topics at the luncheons/dinners were mainly about the war, but there were others:

- Mayor Rhodes - Municipal Problems
- Assistant Coach at OSU - OSU-Illinois Football Game
- Engineering Techniques for Creating World Order

The professional engineering society made its first impact on state government. Governor Lausche appointed Perry Ford as State Highway Director. Perry Ford was past president of OSPE and later NSPE.

The first meeting of the CTC (Columbus Technical Council) was held at BMI (Battelle Memorial Institute) in January of 1945. Remember from an earlier issue that FCC/OSPE was instrumental in organizing CTC and many members of FCC/OSPE were also members of CTC.

Forward to FCC fiscal year 1945-46 - President Roosevelt died April 12, 1945, and was succeeded by Harry S. Truman. The United Nations was established. The US formed the Atomic Energy Commission for civilian control of atomic energy. Winston Churchill delivered his “Iron Curtain” speech in Missouri. The speech marked the start of the Cold War. Eastern Europe was succumbing to communism, Soviet Union style.

The demand for engineers was high and most graduates received several offers, and some over a dozen. (Oh for the good old times.) As mention earlier, the rush to obtain their engineering license, the Ohio State Board of Registration received over 5000 applications in the fall of 1945. The deadline was December 31.

Due to the war, rubber was in short supply and a synthetic rubber was developed. It was reported by the “Automotive and Aviation Industry” that 50 million automobiles were running on synthetic rubber tires. From my own experience, they were not as good as the regular rubber tires. One was lucky to get 10,000 miles on a set of tires.

FCC became the largest chapter in the state with 374 members, if not the country. The President was Professor S.M. Marco of the Mechanical Engineering Department at OSU.

Bus fare was a nickel and the price of FCC dinners were \$1.25 to \$1.50. Meetings were held at Seneca Hotel, Fort Hayes Hotel and Beechwold Restaurant. The topics were:

- Planning of the Columbus Community
- The uses of fiberglass in industry
- Radar in combat and bombing from high altitudes

(Continued on page 4)

(A History of FCC/OSPE continued from page 3)

“Un-American Activities in the USA” by a FBI agent.

Engineering Considerations in the Mediterranean Theater of Operations
Atomic Energy and Cyclotroneering

The year was wrapped up at a dinner meeting at the Beechwood Restaurant, in June. Col. Edgar spoke on the “Engineering Considerations in the Mediterranean Theater of Operations”. The president of OSPE, A. C. Neff., installed the incoming officers.

Next the “The Early Years – Part III – Peace Time”.



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NOMINATIONS FOR OSPE AWARDS

Have you ever considered submitting an employer/colleague for an OSPE award? This year is the time to do It as nominations are being accepted for the following OSPE awards:

- Nov. 13th Professional Development Awards for
 - Construction
 - Industry
 - Private Practice

These three awards are presented to nominated employers of engineering personnel (in either construction, industry, or private practice) who have made the most outstanding contribution to the advancement and improvement of the engineering profession through employment policies & practices in accordance with established professional practices as outlined in “Guidelines to Professional Employment for Engineers and Scientists”.

- Nov. 19th OSPE/ACEC-Ohio Quality Based Selection (QBS) Award

This award is for both, government and non-government agencies that have QBS programs. One state award and up to four merit (runner-up) awards will be given.

- Dec. 1st OSPE Young Engineer of the Year Award

This award is for any OSPE member (PE or EIT) in good standing who is age 35 or under as of January 1, 2013.

Don’t hesitate, contact Tina Sutermeister, the FCC Awards chair now, at 614-718-3795 or email: tina.sutermeister@alcatel-lucent.com as she can provide you with the application forms and assist you in completing the application requirements to be submitted to OSPE.

WHERE DO I GET MORE INFORMATION?

FCC-OSPE Office e-mail & phone number:	ospefcc@aol.com	614-470-4170
FCC President E-mail & Phone:	jolewin2@sbcglobal.net	614-267-9692
OSPE WEBSITE:	www.ohioengineer.com	
NSPE WEBSITE:	www.nspe.org	
To Volunteer to help with MATHCOUNTS:	jbolzenius@dynotecinc.com	614-880-7320
FCC Luncheons / Programs:	devon_seal@gspnet.com	614-299-2133
Young Engineer’s Happy Hour / programs	sbeal@dynotecinc.com	614-880-7320
New Members / Membership Applic.	www.nspe.org or www.ohioengineer.com	614-223-1144

2012-2013 OFFICERS, TRUSTEES & COMMITTEE CHAIRS

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2012-13 CALENDAR

Sept. 8		Fall Certificate Ceremony (OSPE)
Sept. 11	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Sept. 15	5:00 p.m.	Deadline for October <i>Columbus Engineer</i>
Sept. 19	Noon	<u>Program: Luncheon – Professor Halil Sezen - Topic</u>
Oct. ??	12:00 p.m.	Family Event: Bowling – Columbus Square Bowling Palace (Saturday ??)
Oct. 9	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Oct. 15	5:00 p.m.	Deadline for November <i>Columbus Engineer</i>
Oct. 18	Noon	Program: Luncheon - C. Reichardt; Quality Complex – Assurance, Risk and Strategy
Oct. 18	1:00 - 5:00 p.m.	<u>Program: Seminar – Cynthia Reichardt: Quality Assurance – Predictive and Preventive</u>
Nov. 13	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Nov. 10	Noon	<u>Program: Luncheon – TBA</u>
Dec. 11	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Dec. 15	5:00 p.m.	<u>Deadline for January <i>Columbus Engineer</i></u>
Jan. 8	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Jan. 15	5:00 p.m.	Deadline for February <i>Columbus Engineer</i>
Jan. 17	Noon	<u>Program: Luncheon – TBA</u>
Feb. 12	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Feb. 15	5:00 p.m.	Deadline for March <i>Columbus Engineer</i>
Feb. 16	8:00 a.m.	Local Mathcounts Competition @ Columbus State Community College
Feb. 17-23		National Engineers Week (see www.eweek.org)
Feb. 20	8:00 – 3:00 p.m.	Engineer for a Day Program
Feb. 21	11:30 a.m.	<u>Program: E-Week Luncheon</u>
Mar. 12	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Mar. 9	8:30 a.m. – 3:00 p.m.	State Mathcounts Competition (FCC Volunteers)
Mar. 15	5:00 p.m.	Deadline for April <i>Columbus Engineer</i>
Mar. 16		District Science Day
Mar. 16		Spring Certificate Ceremony (OSPE)
Mar 21	Noon	<u>Program: TBA</u>
Apr. 9	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Apr. 15	5:00 p.m.	Deadline for May <i>Columbus Engineer</i>
Apr. 18	Noon	<u>Program: Luncheon TBA</u>
May 14	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
May 23	6:30 p.m.	<u>Annual Spring Banquet / Officer Installation</u>
June (TBA)		Annual Spring Leadership Conference
June 11	5:30 p.m.	<u>FCC Budget Meeting Location to be announced</u>

Korda Nemeth Address: 1650 Watermark Dr Ste 200, Columbus, OH 43215

FIRST CLASS

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