



# Columbus Engineer

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

VOL. 72  
NO. 1

## PRESIDENT'S MESSAGE

By Richard Smelker FCC President



Chapter Members your Officers and Committee Chairs are very enthused about this year's program. We have scheduled various continuing professional development programs to help you renew your Ohio Professional Engineers license. If you have ideas for future programs, contact the Program Chair or myself.

If you like explaining to 2<sup>nd</sup> grade students that "all engineers don't drive trains then you will enjoy giving the Imagine Engineering Program later this fall.. The Chapter has a scholarship program for deserving high school students. You can participate by helping grade the student applications. Contact either of the Chairs for more information.

The Chapter will participate in the "Engineer for a Day" program and the Engineer's Week Luncheon in February

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### Joint Luncheon with Engineers Club of Columbus, ASCE and FCC/OSPE

**DATE:** Thursday, September 12, 2013  
**PLACE:** The Boat House at Confluence Park  
**TIME:** Registration: 11:30 am  
 Lunch: Noon  
**COST:** \$20.00 - To register, visit <http://www.columbusengineers.com/Default.aspx?pageId=1155675&eventId=715444&EventViewMode=EventDetails>. Registrants have the choice of paying at the door (with a check for \$20 or cash) to the "Engineers Club of Columbus" or paying online with a credit card. The meal will be buffet-style and the room has a great river view of downtown Columbus. This promises to be very well attended events so please register soon. If you have any questions, please contact Engineers Club VP Joe Bolzenius at [jbolzenius@patrickco.com](mailto:jbolzenius@patrickco.com) or call 614-354-4933.

**TOPIC: "Engineering Lessons Learned"**  
*Have you ever been involved in a project where things went wrong and wish you had the foresight to prevent the problems? The Engineers Club of Columbus is presenting this luncheon to hear from three prominent speakers on the subject:*

**PRESENTERS:** Shawn Thomson, PE (CH2M Hill) - Design/Build Perspective; Gary Gardner, PE (ms Consultants) - Designer Perspective; and Michael Killilea II (The Righter Company) - Contractor Perspective

**Presenters Biographical Information:** Shawn joined CH2M HILL in 1998. He is a design engineer, project manager, and serves as State Leader out of CH2M HILL's Columbus, OH office. He received a B.A. degree with a Physics major from Wittenberg University, a B.S. in Civil Engineering from Case

Western Reserve University, and an MBA from the University of Dayton. Over his professional career, Shawn has had the opportunity to work on challenging transportation projects including the I-70/I-75 System Interchange Reconstruction in Dayton, OH and the Marquette Interchange Reconstruction in Milwaukee, WI. He is currently serving as Design Manager of the \$200M I-71/670 Interchange Reconstruction here in Columbus. Shawn is a registered engineer in Ohio and Michigan.

Gary Gardner is the Technical Service Manager for ms consultants' Ohio bridge practice. He's a 1996 graduate of Case Western Reserve University and has spent the last 16 years working on long-span and complex bridge projects throughout the US and internationally. Some of his previous projects include the Leonard Zakim cable-stayed bridge in Boston, Massachusetts; the new Tacoma Narrows Bridge; the U.S. Grant Bridge in Portsmouth, Ohio; and the Ambassador Bridge Gateway Project in Detroit. Currently he serves as the lead bridge engineer on the I-70/I-71 East Interchange and 3 of the 5 planned Scioto River crossings for the 70/71 project.

Mike Killilea has 16 years of experience in construction, and is a Project Manager at The Righter Company, Inc, where he has worked for the past 11 years. He received his Bachelor of Science degree in Civil Engineering from the Ohio State University in June of 1997. He received his Master of Business Administration from Capital University in August 2001. Mike resides in Pataskala with his wife, Penny, and three daughters.

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

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2014. I encourage you to participate in both activities. Your participation is expected and definitely will be appreciated. Volunteering for the many programs the chapter is involved is very rewarding to both you and the recipients.

Included in this issue are the Officers and Committee Chairs and their contact information and the 2013 -2014 Calendar. Thank you again, Leon, for your continued dedication to our Chapter and to the State Society. Franklin County Chapter and OSPE had a great 2012-2013 year. Looking back it was full of work with our outreach programs, including awarding scholarships to talented high school seniors, visiting schools for the imagine engineering coloring contest, judging projects for special awards at the District Science Fairs, hosting students for Engineer for a Day, and coordinating the Regional MATHCOUNTS competition. We need volunteers to help solicit sponsorships, find exciting speakers for the programs, organize a tour, and plan activities with our auxiliary.

As I look forward to the coming year I would encourage you to get involved in some of the many activities we have planned. Working with your fellow chapter members is a great way to network and have fun. Finally, as your Chapter Board we are here to serve our members and your input is vital to the success of our organization, so please contact me if you have any questions or suggestions for the Franklin County Chapter.

**Tidbit**

**What is mechatronics.** - The modern definition for mechatronics is a process that includes a combination of mechanical, electrical, control and computer engineering, or in other words it is a multidisciplinary field of engineering design.

The French have a slightly different definition: an approach aiming at the synergistic integration of mechanics, electronics, control theory and computer science within design and manufacturing.

**OBITUARY**

Walter (Joe) Neidhardt P.E.

Joe Neidhardt died on July 5. Joe was widely known for his varied involvements in the central Ohio engineering and construction industries over a period of almost 60 years.

While his principal construction industry associations were with the V. N. Holderman, R.W. Wander and Kokosing construction companies, he was, as his obituary noted, a “road and bridge builder”, both in his long career as a Civil Engineer as well as in his life of service to his family, his church, his community and his profession. Joe was a life member of NSPE, OSPE and the Franklin County chapter OSPE and long time member / contributor to, the Builders Exchange, Ohio Contractors Association, Columbus Area Chamber of Commerce. Development Committee for Greater Columbus, Riverside Methodist Church, Dublin Community Church, and other community, educational and social services organizations as well as a strong supporter of his Alma Mater (1951), Ohio Northern University.

Joe was preceded in death by his wife of 60 years, Donna. He is survived by his two sons, his three daughters and grandchildren.



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**A History of FCC/OSPE – Prayers, Beer Bust, Missile Bases and Engineering Technicians**

(This is the twelfth issue of the History of Franklin County Chapter, by L.E.Winget, Ph.D., P.E. The content is based on the Frank Geyer's compilation "A History of FCC", 1972.)

**FY 1961-62 – Prayers and a Beer Bust** – The United States Established the Military Assistance Command in South Korea. East Germans built the wall separating East and West Berlin (The Berlin Wall). The USSR exploded a 50 mega-ton nuclear device. John Glenn became the first US astronaut to orbit the earth. The Supreme Court ruled that the recitation of prayers in public schools was unconstitutional. The Israeli court sentenced Adolph Eichmann to death.

The Chapter elected N.L. Sylvester as President and R.E. DeMuth as Vice President. There were 12 Directors and 21 Chairs/Trustees. The dinner meetings were held at the Holiday Inn, Beechwold Restaurant, Nationwide Inn, Desert Inn and the August Wagner Brewery. In addition, two certificate ceremonies were held, November and May, at the Arts and Crafts Building. Both ceremonies included a light dinner and dance.

The topics at the other dinner meetings were:

- Getting Acquainted with Plastics (Ray Weber.)
- The Moho Project (Dr. J.L. McClelland.)
- The Wackie World of Television (Gene McPherson)

(Ray Weber, Manager of Cadillac Plastics Company; Dr. McClelland, Chief Engineer of the Moho Project; Gene McPherson, Executive Production Director, WBNS-TV.)

**Other activities** – A Candle Light Dinner Dance, with music by the Gay Tones led by Bll Denny. The 84<sup>th</sup> Annual Meeting of OSPE was held at the Neil House March 15-17. The FCC Family Picnic was held at the Darby Creek Metropolitan Park on June 16.

**Other items of interest** – OSU offered special short courses for Engineers, Managers Scientists and Teachers, to assist them in keeping abreast of current trends. The Consulting Engineers functional group studied the problems of qualifications of municipal

planners serving on Industrial and Economic Planning Committees for the City of Columbus.

**FY 1962-63 – Missile Bases and Engineering**

..... - President DeGualle announced that Algeria was declared an independent state. Pope John XXIII opened the 21<sup>st</sup> ecumenical council designated as "Vatican II". Premier Khrushchev agreed to dismantle the Cuban missile bases and remove the nuclear weapons. France and West Germany signed a mutual cooperation pact. Sukarno was elected president for life by the Indonesian Congress. The Chinese-Soviet talks ended in failure.

R.E. DeMuth was elected President of FCC and R.H. McGuckin, Vice President. The Chapter changed the order of the Directors and Trustees. Hence, there were three Directors, four Trustees and 11 Chairs. The membership grew to 924, the largest in the state.

The first two meetings were held at the local industries, namely Western Electric Corporation, Bell Sound System Division of Thompson-Ramo-Wooldridge Corporation. An inspection tour was made at the Bell Sound System facility. The January meeting honored the life members of FCC. The February meeting honored the new members. Bernie Hatton, Chair of the Membership, was instrumental in bringing in 64 new members. A joint meeting with Engineering students and faculty was held at OSU in April. Certificates were presented at the May meeting. The speaker, F.J. Mulligan, OSPE general counsel, topic "The Cycle", addressed the new registered engineers.

**Other events of Interest:** The Executive Board voted to discontinue affiliation with the Columbus Technical Council. The Columbus Board of Education established a full time technical training school at Central High School building (now COSI). It offered 2 year courses in Mechanical, Electronic, Civil Engineering and Business Data. OSU contemplated the enlargement of the evening school to enable students to received 2 years credits in engineering courses. The public utilities

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

functional group held a meeting to discuss the advantages of communications with “Telstar”, a satellite recently launched into orbit.

The FCC Annual Professional Engineers Picnic was at the WRFD picnic grounds in June 18, 1963.

**Next: Assassinations, Urban Renewal, War Build-up and a Set of Rules**

**Franklin County Chapter Past President Leon Winget, PE, PhD celebrated his 80<sup>th</sup> Birthday at a Party held on August 4, 2013 at Worthington Hills Country Club.**



Leon was born July 13, 1933. At that time Franklin D Roosevelt was President; a stamp cost \$.03; bread was \$.07 a loaf; gas was \$.10/gallon; and a house cost \$5,750. BOY THINGS SURE HAVE CHANGED!

**SEPT. AUXILIARY EVENT**

The Auxiliary to the Franklin Co. Chapter of OSPE will begin the 2013-14 year on Tuesday, September 17. With a noon luncheon at Brookside Country Club, 2770 W. Dublin-Granville Rd.

Algy McBride, past president of the Franklin County Historical Society, will present documented anecdotes about our U.S. presidents and how more than 30 of them are related to each other.

Barbara Fuller will give the invocation and lead pledge. Hostess will be Agnes Benedict.

Spouses and other guests as well as prospective members are invited. Call Jean Mitchell at 614-262-7071 for a reservation.

**Family Night at the Clippers  
June 21, 2013**



Members and Future Members of FCC

**WHERE DO I GET MORE INFORMATION?**

- |                                                   |                                                                                                                  |                     |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>FCC-OSPE Office e-mail &amp; phone number:</b> | <a href="mailto:ospefcc@aol.com">ospefcc@aol.com</a>                                                             | <b>614-470-4170</b> |
| <b>FCC President E-mail &amp; Phone:</b>          | <a href="mailto:rds melker@aep.com">rds melker@aep.com</a>                                                       | <b>614-552-1697</b> |
| <b>OSPE WEBSITE:</b>                              | <a href="http://www.ohioengineer.com">www.ohioengineer.com</a>                                                   |                     |
| <b>NSPE WEBSITE:</b>                              | <a href="http://www.nspe.org">www.nspe.org</a>                                                                   |                     |
| <b>To Volunteer to help with MATHCOUNTS:</b>      | <a href="mailto:jbolzenius@patrickco.com">jbolzenius@patrickco.com</a>                                           | <b>614-498-0339</b> |
| <b>FCC Luncheons / Programs:</b>                  | <a href="mailto:lewinget@att.net">lewinget@att.net</a>                                                           | <b>614-267-9692</b> |
| <b>Young Engineer's Happy Hour / programs</b>     | <a href="mailto:cjcasablanca@aep.com">cjcasablanca@aep.com</a>                                                   | <b>614-552-7401</b> |
| <b>New Members / Membership Applic.</b>           | <a href="http://www.nspe.org">www.nspe.org</a> or <a href="http://www.ohioengineer.com">www.ohioengineer.com</a> | <b>614-223-1144</b> |

Franklin County Chapter Area Imagine  
Engineering Coloring Contest Winners,  
Presentations by Glendon Deal



McKenna Buck, First Place Entry  
Duncan Falls Elementary



Arpen Parekh, Second Place Entry  
Dresden Elementary



Max Zimmerman, Third Place Entry  
Duncan Falls Elementary



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Isao L. Shoji, CFP<sup>®</sup>, CLTC  
Financial Advisor,  
Certified Financial Planner professional  
Ameriprise Financial Services, Inc.  
655 Metro Place South, Suite 450  
Dublin, OH 43017  
O: 614-726-3452  
[Isao.Shoji@ampf.com](mailto:Isao.Shoji@ampf.com)

## 2013-2014 OFFICERS, TRUSTEES & COMMITTEE CHAIRS

	Name	Phone # (w) or (h)	Cell Phone #	E-mail Address
President	<b>Richard Smelker, PE</b>	614-552-1697 (w)	614-427-9970	rdsmelker@aep.com
Chapter Secretary	<b>Michael Russ, EIT</b>			
Treasurer	<b>Steve Day, PE</b>	614-876-7525 (w)	614-531-2858	lday1@columbus.rr.com
Administrative Assistant	<b>Nancy Mergel</b>	614-863-3134 (h)	614-863-3134 (fax)	OSPEFCC@aol.com
FCC-OSPE Voice Mail		614-470-4170		
OSPE Executive Director	<b>Tim Schaffer</b>	614-223-1144 (w)		exec@ohioengineer.com
OSPE/EFO Staff	<b>Pam McClure</b>	614-223-1144 (w-OSPE)		admin@ohioengineer.com
	<b>Holly Ross</b>	614-223-1177 (w-EFO)		pr@ohioengineer.com

VICE -PRESIDENT	TRUSTEE/COMMITTEE	CHAIRPERSON	TELEPHONE	E-MAIL
Steven Wilson	President Elect		614-552-1714 (w) 614-486-4383 (h)	sfwilson@aep.com
	Science Day (District)	Joe Sullivan, PE	614-486-4383 (w) 614-561-5447 (cell)	joe.sullivan@stantec.com
	Directory	Joe Sullivan, PE	614-486-4383 (w) 614-561-5447 (cell)	joe.sullivan@stantec.com
	Scholarship	Joe Sullivan, PE	614-486-4387 (fax) 614-486-4383 (w)	joe.sullivan@stantec.com
	Membership	Ronald Eifert, PE	614-561-5447 (cell) 614-885-4138 (h)	roneifert@aol.com
	PEG Trustee	Rich Irwin, PE	614-315-3784 (cell)	
	PEHE Trustee	Halil Sezen, PE	614-292-1338 (w) 614-292-3780 (fax)	sezen.1@osu.edu
Paul Junk, P.E.			740-363-4462 (h) 614-228-3519 (fax)	pjunk1@columbus.rr.com
	Columbus Engineer Editor	Howard Jones, PE	614-209-3289 (h) 614-209-3289 (cell)	hrjones63@yahoo.com
	Engineers Week Luncheon PEPP Trustee	Steve Wilson, PE Paul Junk, PE	614-552-1714 (w) 740-363-4462 (h) 614-228-3519 (fax)	sfwilson@aep.com pjunk1@columbus.rr.com
	Young Engineer Trustee Auxiliary President Retired Engineers Trustee	Carlos Casablanca Jane Smith Howard Jones, PE		cjcasablanca11@gmail.com hrjones63@yahoo.com
Kevin Ernst, PE			614-863-3113 (w) 614-863-0475 (fax)	kernst@hcnutting
	MATHCOUNTS (Regional)	Joe Bolzenius, PE	614-498-0339 614-354-4933 (h)	jbolzenius@patrickco.com
	Awards/Citations	Tina Sutermeister, PE	614-367-5080 (w) 740-964-0828 (h)	Sutermeister@alcatel-lucent.com
	Engineer For A Day Legislative	Charles Ohrstedt Steve Day, PE	614-572-7659 (cell) 614-876-7525 (w) 614-531-2858 (cell)	mohrstedt@sbcglobal.com lday1@columbus.rr.com
	PEI Trustee	Jim Arnold, PE	614-299-2133 (w) 614-299-4490 (fax)	jim@haslettmechanical.com
	Liaison Fmr Central Ohio Mmbrs	Bob Fox, PE	740-323-1794 (h)	
CR Weaver			614-645-2666 (w) 614-946-2961 (h) 614-645-6165 (fax)	CRWeaver@columbus.gov
	Program	Leon Winget, PhD, PE	614-267-9692 (h) 614-395-8249 (cell)	jolewin2@sbcglobal.com
	Imagine Engineering Contest	Devon Seal, PE	614-221-0678 (w) 614-208-6986 (cell)	devon_seal@gspnet.com
	EFO Liaison	Steve Day, PE	614-876-7525 (w) 614-531-2858 (cell)	day1@columbus.rr.com
	PEC Trustee	Kevin Ernst, PE	614-863-3113 (w)	kernst@hcnutting.com
	Auxiliary Liaison	VACANT		
	OSPE Director	Leon Winget, PhD, PE	614-267-9692 (h) 614-395-8249 (cell)	jolewin2@sbcglobal.net

## 2013-14 CALENDAR

Aug. 15	10:00a.m.	Deadline for September <i>Columbus Engineer</i>
Aug. 17	5:00 p.m.	Fall Certificate Ceremony (OSPE)- State House
Sept. 10	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Sept. 12	Noon	Program: Joint Meeting with Columbus Engineers Club, ASCE & FCC
Sept. 16	5:00 p.m.	Deadline for October <i>Columbus Engineer</i>
Oct. ??	12:00 p.m.	Family Event: Bowling – Columbus Square Bowling Palace (Saturday ??)
Oct. 8	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Oct. 15	5:00 p.m.	Deadline for November <i>Columbus Engineer</i>
Oct. 17	Noon	Program: Luncheon – <b>TBA</b>
Nov. 12	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Nov. 14	Noon	<b>Program: Luncheon – TBA</b>
Nov. 15	5:00 p.m.	Deadline for December <i>Columbus Engineer</i>
Dec. 9	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Dec. 16	5:00 p.m.	Deadline for January <i>Columbus Engineer</i>
Jan. 8	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Jan. 14	5:00 p.m.	Deadline for February <i>Columbus Engineer</i>
Jan. 16	Noon	<b>Program: Luncheon – TBA</b>
Feb. 10	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Feb. 14	5:00 p.m.	Deadline for March <i>Columbus Engineer</i>
Feb. 15	8:00 a.m.	Local Mathcounts Competition @ Columbus State Community College
Feb. 17-23		National Engineers Week (see <a href="http://www.eweek.org">www.eweek.org</a> )
Feb. <b>19</b>	8:00 – 3:00 p.m.	Engineer for a Day Program
Feb. <b>19</b>	11:30 a.m.	Program: E-Week Luncheon
Mar. 8	8:30 a.m. – 3:00 p.m.	State Mathcounts Competition (FCC Volunteers)
Mar. 11	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Mar. 14	5:00 p.m.	Deadline for April <i>Columbus Engineer</i>
Mar. 15		District Science Day
Mar. 15		Spring Certificate Ceremony (OSPE)
Mar. 20	Noon	<b>Program: TBA</b>
Apr. 8	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Apr. 15	5:00 p.m.	Deadline for May <i>Columbus Engineer</i>
Apr. 17	Noon	<b>Program: Luncheon TBA</b>
<u>May 12</u>	<u>5:30 p.m.</u>	<u>FCC Board Meeting @ Korda Nemeth</u>
May 16	5:00 p.m.	Deadline for June <i>Columbus Engineer</i>
May ??	6:30 p.m.	Annual Spring Banquet / Officer Installation
June (TBA)		Annual Spring Leadership Conference
June (TBA)		FCC Budget Meeting Location to be announced

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

**FIRST CLASS**

**OHIO SOCIETY OF  
PROFESSIONAL ENGINEERS  
Franklin County Chapter  
P.O. Box 69  
Reynoldsburg, Ohio 43068**



