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PRESIDENT'S MESSAGE

By Richard Smelker FCC President



Happy Holidays to all! December is a busy time of the year, but our Chapter activities continue throughout the year. The Chapter luncheon on November 14 was about the "First Solo Flight Around the World by a Woman". The presentation was by Susan Reid

the sister of Jerrie Mock. I am sure everybody who attended left with fascinating facts about this historic flight. We do not have a luncheon plan for December.

The Imagine Engineering Program is now under way. Material is being sent to the elementary schools expect numerous schools to respond. We, as professional engineers,

will visit those schools that have requested an engineer to explain our profession.

In this gift giving time I would like to remind you of one opportunity to give to the MATHCOUNTS Program. There is a need for sponsors to help support this program for middle school students. Anyone wanting to contribute to this program should make a check payable to: Engineers Foundation of Ohio. Mail to: Ohio Society of Professional Engineers & Engineers Foundation of Ohio, 400 South Fifth Street, Suite 300, Columbus, Ohio 43215-5430. The note or memo should state "For FCC MATHCOUNTS Program"

Until the New Year, have a very fulfilling Holiday with your family and friends; and remember why we celebrate the holidays.

ENGINEER FOR A DAY

The "Engineer for a Day" program is organized for high school students who have an interest in learning about careers in engineering. The program takes place during National Engineers Week in February. The students get to spend a day as a guest of an engineering company to gain first-hand knowledge of the role of an engineer. This gives the students (high school juniors and seniors) a real world exposure to a possible future career as an engineer. The activities for the day of the program are to help the student learn – what do engineers do, what are the engineering activities of the company (engineering business and products), what field of engineering discipline is involved, and what are the challenges the engineer faces on a daily basis.

The program has enjoyed tremendous support from many companies and organizations. These companies have been very supportive of the program for the past five years and we appreciate and value their continued support at molding the future engineer. The program has changed over the years, as we now prefer that students have a means of transportation to and from their host companies.

Schools have been very supportive, too! They know and identify the students with special math and science skill first, then shape them along a career path. The students follow up and choose an engineering discipline of their choice. They have continued to provide guest students for the program and their unflinching support is appreciated.

The past few years have not been very easy for the program, but past experiences have shown that with support from parents, schools, and the host companies we will produce the engineers of our dream – able to compete with other professional in the larger society, but we need to discover the talent in them early before other professional paths grab them. We are always lookin for hosting companies.

Each year we seem to have an abundance of students but we definitely need more company participation. If you or your company are interested in participating in this educational program please contact the program chair Charles Ohrstedt at 614-572-7659 or email mohrstedt@sbcglobal.net the chapter office of the FCCOSPE at FCCOSPE@aol.com.

AWARD NOMINATIONS

Nominations are being accepted for the following five OSPE awards. Contact your local Franklin County Chapter Awards chairperson, Tina Sutermeister, at 614-718-3795 or email: tina.sutermeister@alcatel-lucent.com. The deadline for submitting these nominations to OSPE is February 1st so, don't hesitate, contact Tina immediately as the nomination will need to first be approved by the FCC-OSPE Board.

OSPE Citation – This is the highest honor that OSPE bestows upon an engineer. This award is presented annually to an Ohio Engineer with distinguished leadership in the engineering profession and in appreciation of selfless devotion to the highest ideals of service to society and to fellow man; and for sustained contributions to the technical and professional aspects of the engineering professions.

Meritorious Service Award – This award is presented on the basis of service to OSPE at both, the Chapter and the state levels and for outstanding contributions to the goals and objectives of OSPE. The award recipient shall be an active member in his/her Chapter and the emphasis is placed on continuous meritorious service over a long period of time.

Outstanding Engineering Student Award – This award is presented to an engineering student from an ABET-accredited Ohio engineering school based on scholastic achievement, participation in professional, technical, and other activities.

Outstanding Engineering Educator Award – This award is presented to a member of the engineering faculty of an ABET-accredited engineering program in an Ohio school and the educator shall have at least 5 years of experience subsequent to graduation from an accredited Engineering school and must be teaching an engineering course during the current term.

Outstanding Engineering Achievement Award – This award is presented in recognition for outstanding engineering accomplishments in manufacturing, construction or design, or combinations thereof. The nominated projects must have been completed during the calendar year preceding the award presentation and the nominated projects may be located outside the chapter geographical area.

DECEMBER AUXILIARY LUNCHEON

The Auxiliary to the Franklin County Chapter of OSPE will meet for a noon luncheon at the Scioto Country Club, 2196 Riverside Dr., on Tuesday, December 10 (note change in date). The program will be an encore performance by the Grandview Singers from Grandview Heights High School under the Director of Choral Music Andrew Krega. This group has always delighted those attending with a wide variety of music and dancing.

Guests are welcome to join in the day. Past presidents and charter members will be honored also.

Nancy Roehrs is to be hostess, and Agnes Benedict will give the invocation and lead the pledge of allegiance. To make a reservation, please call Jean Mitchell at 262-7071.

The Auxiliary will not meet in January, 2014.



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**A History of FCC/OSPE – A Lunar Landing, Water Flouridination
and the USS Pueblo Crisis**

(This is the fifteen 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.)

(Errata: the November Issue of Columbus Engineer, A History of FCC/OSPE stated "FY 1963-64 – *The US sent the rocket Mariner IV...*" should have been, "FY 1965-66 – *The US sent the rocket Mariner IV...*")

FY 1966-67 – The US space vehicle, "Surveyor I", made a soft landing on the moon and relayed pictures back to earth. North Korea seized the USS Pueblo Intelligence Ship and known as the Pueblo Crisis**. The US signed a treaty with Great Britain and USSR, pledging peaceful uses of outer space. President Johnson and Premier Kosygin met for formal talks in Glassboro, New Jersey. (** See the short history of the USS Pueblo Crisis at end of History)

The Chapter elected R.B. Filbert, Jr. as President and J.H. Jaeger as Vice President. There were 3 Directors, 13 Functional Group Directors and 25 Chairs (*wow*). The dinner meetings were held at the Arlington Arms, Battelle Memorial Auditorium, Fort Hayes Hotel, and the Fort Hayes Officers' Club. A joint meeting was held with the Auxiliary in October and January. Certificate Ceremonies were held at the September and April meetings at the Fort Hayes Hotel. The Annual OSPE Meeting was held at Sheraton Motor Inn in which over 1000 persons attended (*another wow*).

The topics of the speakers at the luncheons were:

- Our Rendezvous in Space (Robert Friedman, NASA Lewis Research Center)
- Panel Discussion – The Proposed Revision of NSPE Constitution
- The Government and the Engineer (Chalmers Wylie, US Representative)

(** See the short history of the USS Pueblo Crisis included in this article)

Significant Events: Miss Theresa Nunamaker resigned as Secretary of FCC Office and Ms. Phyllis Hodgson became the new secretary in October. The OSPE official supported the fluoridation of the water supply in Ohio. Dr. H.A. Holz, Dean of the College of Engineering, presented the Meritorious Award to FCC for the "Outstanding Leadership in the Engineering Profession".

Other items of interest in the FCC Region:

1. The Cryogenic Quality Meter, developed by Industrial Nucleonics Corporation, was selected as one the most significant engineering achievements in 1966, by the Industrial Research Editorial Board. The meter measured the cryogenic vapor quality in the vapor/liquid lines using gamma radiation backscattering to determine the total liquid/vapor density.

2. A 50 million dollar plant was built on 237 acres east of Worthington. The plant was designed to produce 1.5 million barrels of beer per year.

(Last month we highlighted the USS Hope. This month we highlight the USS Pueblo, which was an entirely different type of circumstance.)

****The USS Pueblo**

USS Pueblo is an American technical research ship, which was boarded and captured by North Korean forces on 23 January 1968, in what is known as the Pueblo crisis. The capture, less than a week after President Lyndon B. Johnson's State of the Union address and only a week before the start of the Tet Offensive, was a major incident in the Cold War.

The ship was initially launched in 1944, at the Kewaunee Shipbuilding and Engineering Company in Kewaunee, Wisconsin, as the US Army Freight and Passenger FP-344. The Army later re-designated the ship as Freight and Supply, which served as a Coast Guard manned Army vessel used for training civilians for the Army. The ship was transferred to the US Navy on April 12, 1966, renamed USS Pueblo and converted to an intelligence gathering ship, or what is colloquially known as a spy ship.

North Korea stated that Pueblo strayed into their territorial waters, but the United States maintains that the vessel was in international waters at the time of the incident. North Korea, however, claims a 50-nautical-mile sea boundary even though international standards were 12 nautical miles at the time.

According to the American account, the Pueblo was approached by a sub chaser and her nationality was challenged; Pueblo responded by raising the U.S. flag. The North Korean vessel then ordered it to stand down. Pueblo attempted to maneuver away, but was considerably slower than the sub chaser. Several warning shots were fired.

(Continued on page four)

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

Additionally, three torpedo boats appeared on the horizon and then joined in the chase and the subsequent attack. The attackers were soon joined by two MiG-21 fighters. A fourth torpedo boat and a second sub chaser appeared on the horizon a short time later.

The North Korean vessels attempted to board Pueblo, but she was maneuvered to prevent this. This maneuver lasted for over two hours. A sub chaser then opened fire with a 57 mm cannon, killing one member of the crew. The smaller vessels fired machine guns into Pueblo, which then signaled compliance and began destroying sensitive material. The volume of material on board was so great that it was impossible to destroy it all. Only a small percentage of the total classified material aboard the ship was destroyed.

Radio contact between Pueblo and the Naval Security Group in Kamiseya, Japan, had been ongoing during for at least 2 hours. As a result, Seventh Fleet was fully aware of Pueblo's situation. Air cover was promised but never arrived. The Fifth Air Force had no aircraft on strip alert, and estimated a two to three hour delay in launching aircraft. The USS Enterprise was located 510 nautical miles south of Pueblo but its four F-4B aircraft on alert were not equipped for an air-to-surface engagement. President Lyndon B. Johnson was awakened, but the Pueblo had been captured and any rescue attempt would have been futile.

Pueblo was taken into port at Wonsan and the crew was moved to POW camps. The crew reported upon release that they were starved and tortured. Commander Lloyd M. Bucher was psychologically tortured, but refused to confess. The Koreans threatened to execute his men in front of him, and only then did Bucher agreed to "confess to his and the crew's transgression."

Following an apology, and an admission by the U.S. that Pueblo had been spying, and an stating that the U.S. would not spy in the future, the North Korean government decided to release the 82 remaining crew members. On 23 December 1968, the crew was taken by buses to the DMZ border with South Korea and ordered to walk south one by one across the "Bridge of No Return". Exactly eleven months after being taken prisoner, the Captain led the long line of crewmen, followed at the end by the Executive Officer, Lieutenant Ed Murphy, the last man across the bridge. The U.S. then verbally retracted the ransom admission.

Pueblo, still held by North Korea today, officially remains a commissioned vessel of the United States Navy and is listed as one of the oldest ships still commission. Pueblo is the only ship of the U.S. Navy currently being held captive.

Next: - Assassination and Old Pumps

Imagine Yourself as a Second Grader

Or ... better yet ... visit your local second grade class and help them imagine themselves as Professional Engineers. We are kicking off our annual Imagine Engineering Second Grade Coloring Contest and we need your help to get the next generation excited about engineering. Most second graders have no idea what a Professional Engineer does or what Engineering even means.

This program is a great opportunity to educate students about future career opportunities, get them excited about engineering, increase awareness about our profession, and elevate the perception of professional engineering in our community.

Volunteering only takes a few hours of your time and it is easy and fun. We have experienced presenters that would be happy to co-present with rookie volunteers and share some tricks of the trade. We have a list of schools that have already signed up to participate in the program, or if you are interested in presenting at your local school or to your child's second grade class we can get your school signed up for the program and provide you with materials for your presentation. Please contact me if you are interested at devon_seal@gspnet.com or 614-208-6986.



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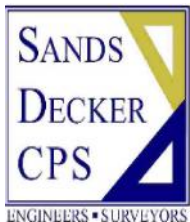
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FIRST CLASS

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2013-14 CALENDAR

Dec. 10	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Dec. 16	5:00 p.m.	Deadline for January <i>Columbus Engineer</i>
Jan. 14	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	Program: Luncheon – TBA



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