



ASEE Academy of Fellows Newsletter

June 2015

Message from the Chair

Greetings and Salutations to all ASEE Fellows: I hope that many ASEE Fellows are preparing to attend the ASEE Annual Conference in Seattle. Unfortunately, I will be unable to attend the meeting. I am working to clean up and make repairs to the lower room to my house (my office) that had water damage in the Texas 2015 Memorial Day flooding. My home is intact and I have flood insurance. However, I have moved furniture, torn out built-in cabinets, boxed contents, and pulled up soaked carpeting. I went on a three day trip for NCEES (June 1-3) and many recovery processes fell through while I was gone. I must stay in Austin at least for the next month or so to manage the situation. I know that Lucy Morse and Tom Roberts will run the meeting well. I wish all of you a great breakfast, a great meeting, and a wonderful next year. I look forward to being back with you at next year's meeting.



Recall that at our breakfast in Indianapolis, ASEE Executive Director, Dr. Norman Fortenberry, asked again for our input on ways to improve ASEE. I ask each of you to email your ideas to me and I will collect them and get them to Norman. My email address is fowler@csr.utexas.edu.

2015 ASEE Fellows

We will also have the delightful opportunity to welcome 12 new Fellows to our Academy! Congratulations are in order to each of them for their contributions to the field.



Patricia D. Bazrod
 Director, Graduate
 Coop Ed Program and
 Georgia Tech Internship
 Program (GTIP)
 Georgia Institute of
 Technology



Daina Briedis
 Associate Professor
 Assistant Dean
 Department of Chemical
 Engr and Matl Science
 Michidan State Univ



Martha Cyr
 Executive Director
 Assistant Professor
 Department of Mech
 Engineering
 Worcester Polytechnic
 Institute



Norman D. Dennis
 Associate Dean and
 University Professor
 Department of Civil
 Engineering
 University of Arkansas



Stephanie Farrell
 Professor
 Department of Chemical
 Engineering
 Rowan University

Mark Your Calendars

2015 Annual Conference of ASEE:

Seattle, WA, June 14-17, 2015

Plan to be there!

Future Annual Conferences:

New Orleans, LA, June 26-29, 2016

Columbus, OH, June 26-29, 2017

Salt Lake City, June 24-27, 2018

Tampa, FL, June 16-19, 2019

Montreal, Quebec, Canada, June 21-24, 2020.

College Industry Education Conference.

Austin, TX, 2016

Jacksonville, FL, 2017

Engineering Deans Institute (EDI)

San Francisco, CA, March 30 – April 2, 2016

Coral Gables, FL, April 2 - 5, 2017

New Orleans, LA, March 25 - 28, 2018

Engineering Technology Leadership Institute

Crystal City, VA, October 9, 2015

International Forum on Engineering Educ

Seattle, WA, June 14-17, 2015

New Orleans, LA, June 26-29, 2016

Columbus, OH, June 26-29, 2017

Salt Lake City, June 24-27, 2018

Tampa, FL, June 16-19, 2019

Montreal, Quebec, Canada, June 21-24, 2020.

For additional info, visit: www.asee.org



2015 ASEE Fellows – cont'd



Richard O. Mines

Prof & Program Director
Department of
Environment
Engineering
Mercer University



S. Hossein Mousavinezhad

Professor
Department of Electrical
Engineering
Idaho State University



Ruth A. Streveler

Associate Professor
School of Engineering
Education
Purdue University, West
Lafayette



Donald P. Visco

Associate Dean for
Undergraduate Studies
College of Engineering
University of Akron



Richard C. Warder

Dean Emeritus
Herff College of
Engineering
University of Memphis



Ronald W. Welch

Dean of Engineering
School of Engineering
The Citadel

News from the Flock – Spring 2015

We had a great response to the recent request for news sent to Fellows by email. Below are excerpts of those for your reading pleasure.



I hope some of you have looked at the new posting of the report on the ASEE web site, *Goals of Engineering Education*. It is a real gem in many respects. Besides being a time capsule of data for engineering enrollments at all level awarded by institutions with an ECPD-accredited engineering degree, it also presents data about faculty sizes and faculty qualifications. It presents projections about the future for the years 1984 and 2000, which we now consider history. It's interesting to reflect on how well they did in some areas less on target in others and factors are missing. For us who were active faculty members in 1968, it's hard to quit skimming through this report.

To check out the report, start at <http://www.asee.org> and then log in as a member. Under the *For Members* tab, click on *Reports* and you'll find the one for *Goals of Engineering Education*. Just click on it and the *Goals* report downloads for you. The PDF is 47 MB but it's worth having in your ASEE folder as something you find useful. I hope you'll enjoy it.

Lyle Feisel suggested that Ed Jones might have the January 1968 JEE. Ed let ASEE disassemble it to be scanned by Keith Mounts' ASEE staff to produce this high quality PDF.

We can't make it to this year's ASEE Annual Conference due to schedule conflicts, but both Betty and I doing fine and enjoying retirement in Annapolis, MD. We'd be glad to hear from you at johnaweese@comcast.net. **John Weese**



Shortly after attending the February 2014 ASEE CIEC in Savannah, **Sue's** hip pain reached the point where we decided we would have to cut back on our travel schedule for the year. Instead of travel planning, we focused on getting her two new hips by year's end. She had the first of two successful surgeries on Sept. 10, 2014 and the second on Dec. 3, 2014. During the same period, **Frank** began to relinquish his five years of post-retirement work as Secretary General for IACEE, completing that work on Sept. 30, 2014.

We're both please to report that we've been able to re-enter the realm of active travelers in 2015. Our first major adventure was a trip to the 40th CIEC in Palm Springs in February. Emboldened by this success, we took two back-to-back cruises to the Mexican Riviera and California coastal ports in March 2015. April brought a visit with **Sue's** sister and brother-in-law in East Tennessee and May brought a visit with our grandkids (and their parents) in the Bay Area.

We're now planning to come to Seattle for the annual Fellows Breakfast on June 17 and several days of visits with old college friends in the Puget Sound area before moving on to Vancouver, BC for an Inside Passage cruise to Alaska and a land tour of Denali and Fairbanks that will return us home on July 2 to plan other adventures for the remainder of 2015. **Sue** and **Frank Burris** wish you all safe travels and look forward to visiting with many old ASEE friends in Seattle. **Frank Burris**



I wrote earlier that I was interim dean. Well, I have an update: I will be dean of engineering at Mississippi State University beginning June 1, 2015. Hope to see you in Seattle! Regards, **Jason M. Keith**



This is my first-time responding to the Fellows Newsletter request for news. .My story on this 2015 Memorial Day: I am combat veteran of the Korean War. I was assigned to the 530th Combat Aviation Squadron, 50th Heavy Bombardment Group, Far Eastern Air Forces, on 15 October 1950. In April, 1951, I marched in General Douglas MacArthur's last parade at the end of his assignment when he was en route from the war zone to meet with President Harry Truman on Wake Island to be released from his job as Commander of **United Nations** forces executing the Korean War. The Korean War was over on 24 August 1953, and I was released from active duty on 5 September 1953 to continue my engineering studies. I never looked back! **Bob Braswell**



I retired from Texas A&M (and NASA Ames where I did an IPA for 7 years), and now am an avocado farmer in Southern California . Not much to report for ASEE Fellows Newsletter - I am still involved in several international advisory boards, and just returned from Hong Kong and Macau last week. Off to the Middle East in June for a Board of Trustees meeting. **L.S. "Skip" Fletcher**



Matthew Ohland, professor of engineering education, has been named a recipient of the 2015 Outstanding Undergraduate Teaching Award in Memory of Charles B. Murphy. Ohland was surprised with the news during classes on Thursday (March 26). Purdue University's highest undergraduate teaching honor, the Murphy Award is accompanied by a \$10,000 cash award and induction into Purdue's Teaching Academy, which provides leadership for the improvement of undergraduate, graduate and outreach teaching. Murphy was a history professor at Purdue from 1927 to 1970.



In April 2015, I started my third year as Dean of Engineering at Iowa State University. It has been an exciting time to lead a college of engineering. We have seen tremendous growth in our student population and this fall we will welcome over 9,000 engineering students to our campus in Ames. Growth brings new opportunities and a few challenges, which we have worked diligently to address, so we can continue to deliver the high-quality experiential-based engineering education for which we are known. In addition to my dean duties, in July I will begin my term as Chair of the ABET Engineering Accreditation Commission – as if life wasn't busy enough. ☺ I have been involved in accreditation activities for many years, so look forward to providing service to the engineering education community in this new role.

Recently, I was selected to receive the 2015 Hewlett Packard Harriett B. Rigas Award, which will be presented at the 2015 FIE conference in October. I am honored and humbled to have been selected for this recognition. The citation reads: *"for exceptional contributions to electrical and computer engineering education and the global engineering community through student and faculty development, transformational and inclusive institutional and professional leadership, and engineering accreditation service."* I am grateful to my fellow ASEE Fellows Diane Rover and Ed Jones for nominating me for this award. Life is good here in Ames and I encourage each of you to come and visit us. **Sarah A. Rajala**



I just completed my 50th year of teaching at the University of Texas at Austin. My primary teaching focuses on our capstone design course for aerospace engineering students interested in the space side of aerospace engineering. I have taught this course for over 30 years. My current plan is to continue teaching until the end of 2016. Our next ABET visit is in fall 2016. Over the past four years, I have been designing and developing a sustainable process for program assessment and continuous improvement that avoids collection and analysis of massive amounts of data. After retirement, my wife, Marsha, and I plan to spend more time with our grandchildren who currently live in central Mississippi. We have not yet decided whether we will stay in Austin, TX or move closer to the grandchildren. **Wallace Fowler**



Naps are good as a part of retirement, although I haven't taken many since retiring last July. This past year I served as Chair of the NSPE Professional Engineers in Higher Education Special Interest Group. We worked to support the Order of the Engineer, studied and are about to take some action to encourage students to take the FE Exam, and are connecting with Deans to gain their insight on faculty licensure issues.

I'm also serving as Chair, #NSPE 15 – the NSPE annual conference will also be in Seattle, July 15-19. Great line up of speakers and events using lessons learned from ASEE. I spent two weeks the first part of May in Toulouse France with family. Son & grandson returned with me to the US. Karen & I spent a great two weeks in Manhattan, KS with a 3 ½ year old visiting playgrounds, playing with toy cars, and watching Disney – including Frozen and Airplanes. Very special opportunity to bond with family! Thanks for pulling together the Fellows newsletter! See you in Seattle. **Tom Roberts**



I have some news that you might want to include in the newsletter. I received the ASEE North Central Section Outstanding Teacher Award at the Spring Meeting hosted by the University of Cincinnati. I was very honored by this and learned that my nomination will be considered for the 2016 ASEE National Outstanding Teacher Award. **Frank Croft**

Not much news for the group except that I am still involved with ABET, both as a visitor and doing training. We are in Italy right now for the birth of our third grandchild, Annabelle, who was born last Sunday coming in at 6.5 lbs and 19". It is our oldest daughter's first child and mother and baby are doing well. Best to you and maybe we will run across each other one of these days. **Warren Hill**



Larry G Richards will be leading a session in the ASEE K 12 Workshop on Saturday June 13. ***Using Engineering Design Challenges to Foster Integrative STEM Education*** Any Fellows are welcome to attend and meet a design challenge aimed at middle school students.

I continue serving as the University of Virginia Campus Representative. This year I was selected as the most Outstanding Campus Representative in the Southeastern Section and then won ASEE's Spread the Word / Campus Representative award for the highest number and percentage of faculty recruited in the Southeastern Section. **Larry Richards**

The **Engineering Technology 'Old-Timers'** group hosted a Panama Canal Cruise the last half of February. Four ASEE Fellows were part of the group of twenty people who went on the cruise -**Steve Cheshier** and Joyce, **Bob Mott** and Marge, **Bill Rezak** and Diane Freeman, and **Frank Gourley** (coordinator) and Genene. Among the many interesting things on the cruise, during the all-day transit of the Panama Canal we were able to view the construction on the new 'superlocks'. The cruise made five stops, including Cartagena, Columbia; Acapulco, Mexico; and Cabo San Lucas, Mexico (The Arch).



On January 1, 2015, Susan M. Lord, PhD, Professor and Chair of Electrical Engineering, University of San Diego (USD) became the first USD faculty member to be named a Fellow of the IEEE for "professional leadership and contributions to engineering education." This prestigious award is given annually to less than one out of every thousand IEEE members. **Susan Lord**



I am sending this note from Torino, Italy where I am teaching an Iowa State University study abroad class to 16 students. I'll return home just in time to head to the ASEE Annual Conference where I'll be receiving the DELOS Division Distinguished Service Award. Ciao, **Larry Genalo**



Regarding an update of my activities, I'm afraid I haven't done much that our fellow Fellows would find particularly interesting. People continue to buy a few copies of *Lyle's Laws* but I am not moved to write any more. I keep telling myself that once I get organized I'll get back to writing something. Who knows?

I was intrigued by your request for suggestions as to how the Academy of Fellows might be active in ASEE. I think that Fellows who want to be active with ASEE are active.

The others are more passive, and rightly so. I would suggest, however, that there is one activity that would be particularly appropriate for the Fellows, viz., developing the historical record of ASEE and, indeed, engineering education. I'm not sure just how this would be done, but there are some options that I would be happy to pursue. Let me know if you think this bears further consideration and, if you like, I will look into it.

Regrettably, I must miss the Annual Conference this year. I am Vice President for Development of the IEEE Foundation and the Foundation meeting overlaps with ASEE. Maybe next year. But please convey my greetings to the Jolly Goods and, if Angie shows up, do your best to keep him in line. Best

regards, **Lyle Feisel**



No real news from me. I am still feeling the after effects of a bad case of pneumonia last year and won't be attending the ASEE meeting in Seattle. I hope I can be with you all next year. My thought on activity of the Fellows is that the purpose of our group should be to provide an opportunity to get together for old friends who share a passion for engineering education. I would not favor our taking on "projects." There are plenty

of opportunities for individual Fellows to serve ASEE through activity in its existing divisions and programs. I guess my age is showing! **John Prados**



We are going from Maine to Arizona, this week, for our granddaughter's H.S. graduation, and to Italy, in June, with our daughter, so will be traveled out by ASEE time. Hope all goes well, **John McDonough**



I am retiring from Louisiana Tech University July 1 and will be founding Dean of Engineering at Campbell University (North Carolina). Thanks – **Jenna Carpenter**



I have little to report, certainly not of interest to anyone but my family. My health has gone down hill with no travel and even worse no plans except for the annual trip to Sea Island and a weekend in the mountains, all with family. Had a wonderful visit with Dean and Mrs. Doug Goering from the UNIVERSITY OF ALASKA. Doug has gotten tremendous support for facilities and increase in enrollments in both undergraduates and graduate school. Since I spent 15 years up there, I am extremely happy with the progress. I think Doug is just the person to lead the charge. If I dream of something of interest I will let you know. Good luck. **Vince Haneman**

In mid-January, **Frank Gourley** had an out-patient procedure performed in New York to eliminate the prostate cancer he had been successfully treating using alternative approaches for five years. (Contact him if you are interested.) In February, he and Geneene went on a Panama Canal Cruise with a group of 20 engineering technology educators and friends that he coordinated. (See note elsewhere.) In March, they spent a week in the Beaufort, SC/Edisto Beach area (including attending Savannah's St. Patrick Day Parade) and in April a week in the northwest North Carolina mountains with friends. In April, Frank coordinated the construction (and planting) of 18 raised beds for a community garden in a nearby neighborhood. Memorial Day weekend he participated in the annual (38th year) Canoe the New trip in northwest North Carolina, which he coordinated and guided for 30 years. They host weekly watercolor sessions for a small group of friends. Frank plans to miss the annual ASEE Conference this year, the first one since 1970! (He may be back next year.)



Fundamentals of Engineering Economic Analysis, First Edition was awarded the **IIE Joint Publishers Book-of-the-Year Award** by the Institute of Industrial Engineers at its annual conference in Nashville held May 31 – June 2, 2015.



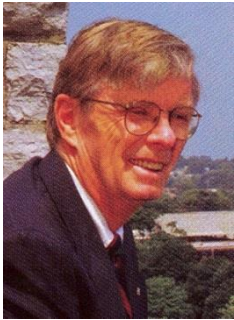
Co-authors include: John A. White, University of Arkansas (ASEE Fellow)
 Kellie S. Grasman, Missouri University of Science and Technology (ASEE Member)
 Kenneth E. Case, Oklahoma State University (ASEE Member)
 Kim LaScola Nedy, University of Arkansas (ASEE Fellow)

David B. Pratt, Oklahoma State University (ASEE Member)

Kim LaScola Nedy, a national leader in the field of industrial engineering, has been appointed dean of the Graduate School and International Education at the University of Arkansas.

Nedy is the first woman appointed to lead the school since it was founded in 1927. **Kim Nedy**

OBITUARIES



Paul Ernest Torgersen, 83, of Blacksburg, died Sunday, March 29, 2015 at his home, surrounded by his family. Paul had a long and distinguished career at Virginia Tech serving as a department head, 1967 to 1970; dean of engineering, 1970 to 1990; president of the research park, 1990 to 1994; and president of the university, 1994 to 2000. After retirement he continued to teach on a part-time appointment for another dozen plus years. He considered himself a professor who also served as president. He taught The Theory of Organization every semester during his 48 years with the university.

As dean, Paul led the College of Engineering to national prominence and as president he focused on achieving economies of administration and operation as well as instructional and information technology. He was elected to the National Academy of Engineering, received Virginia Tech's first Affirmative Action Award, and received the Sporn Award for teaching excellence. Paul was an avid tennis player who, at one point, was ranked 8th in the nation in doubles by the United States Tennis Association.

In 1990, at the conclusion of his twenty year tenure as dean, engineering alumni awarded him and his wife a week at Wimbledon with tickets at Centre Court. The engineering faculty, not to be out done, awarded his wife a week vacation in the Caribbean "with the engineering professor of her choice". As dean and president he personally signed 62,191 Virginia Tech diplomas.



Arthur T. Thompson, 96, died peacefully on Saturday, May 9, 2015. His academic positions were Associate Dean of Engineering at Penn State University, Dean of Engineering and Associate Vice President at Boston University, and Provost at Wentworth Institute.

He had an Arts degree from Colby College, an Engineering degree from Penn State with graduate degrees in Engineering from Harvard University and Business administration from the University of Chicago. He held honorary doctorates from Colby College, Norwich University, and Wentworth Institute of Technology.

He was a fellow of the American Society for Engineering Education and the Society of Manufacturing Engineers, and was a Registered Professional Engineer.

He was a trustee Emeritus at Colby College and Wentworth Institute, was on the Academic Board of the U.S. Merchant Marine Academy, and a Trustee of Norwich University. His honors included the Education Award of the Society of Manufacturing Engineers and the Outstanding Civilian Service Medal of the U.S. Army.



ASEE Lifetime Achievement Award

The ASEE Lifetime Achievement Award recognizes individuals who have retired or who are near the ends of their careers for sustained contributions to education in the fields of engineering and/or engineering technology. The contributions may be in teaching, education, research, administration or educational programs, professional service, or any combination thereof.

The award was established through the efforts of the ASEE Lifetime Achievement Award Steering Committee and funded by an endowment created for this award by the contributions of ASEE Life Members and like-minded, Not-Yet-Life Member Fellows.

The recipient will receive a \$1,000 honorarium, travel assistance up to \$1,000 for travel to the ASEE Annual Conference to receive the award, and a commemorative plaque.

Eligibility: Candidates shall have demonstrated sustained contributions to education in the fields of engineering and/or engineering technology throughout their careers. The candidates will be retired or near retirement and will have devoted their careers primarily to engineering education. ASEE membership is not required. Self-nominations are not allowed.

- Lia Brillhart

Fellows Info at ASEE Website

Info about the Fellows may be found at the ASEE website –asee.org. At the Home Page, select For Members, Divisions & Groups, and Academy of Fellows. This will take you to the Fellows page. Options here include: List of Fellows (alpha list of Fellows with affiliation, induction year, and some photos), Newly Elected Fellows (w/ photos), Officers, How to Nominate, Meeting Minutes, and Newsletters. On the left side is also a Fellows Contact Info choice which allows you to do an alpha search for an individual you want to contact. Click on the plus (+) sign to see the contact info you need.

- Lucy Morse, Newsletter Editor

ASEE ACADEMY OF FELLOWS ANNUAL MEETING

**Wednesday, June 17, 2015; 8:45-10:15am
Seattle, WA**

Tentative, Preliminary Agenda

Subject to Change with, or without, notice

1. Meeting Call to Order
2. Moment of Silence
3. Remarks: Executive Director, Dr. Norman Fortenberry
4. Recognition of ASEE Officers in attendance
5. Introduction of Academy of Fellows Officers
6. New Fellows Introduction
7. Not-So-New Fellows Introduction
8. Greetings from Absent Fellows
9. Recognition of ASEE Staff
10. Remarks: ASEE President Nicholas Altiero
11. Remarks: ASEE President-Elect
12. Old Business
13. New Business
14. Announcement for Photos
15. Announcement of Next Meeting
16. Adjournment

Reduced Membership Dues Reminder

If you are retired, or if you have 'been around' long enough, you might qualify for reduced, or no, membership dues as a **Retired or Life Member**.

For professional members who have **retired** from full-time employment, dues are \$30/year. Members whose years of age plus years of continuous paid membership in ASEE totals 100 or more, upon application to and approval by the ASEE Board of Directors or the Executive Committee of the Board of Directors, become **Life Members** and pay no dues. (Dues: \$0.) **Life Members** pay a nominal registration fee for the Annual Conference. **Retired Members** receive a 50% discount on registration. All members pay for ticketed events.

Check out the Membership web pages of the ASEE website for additional information and a copy of the one-page application form, or call the ASEE Membership Department for additional information.

Photo Credits

Frank Gourley, part time newsletter editor, took the photographs used in this issue at the 2014 Academy of Fellows meeting in Indianapolis, except for the photos of the new Fellows, which were from ASEE.

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