



ASEE Academy of Fellows Newsletter

Message from the Executive Director, ASEE

The Society will begin celebration of our 125th Anniversary at the ASEE Annual Conference and Exposition to be held June 25-27, 2018 in Salt Lake City, Utah. Our celebration will culminate at the ASEE Annual Conference and Exposition to be held June 16-19 in Tampa, Florida.

ASEE President Joseph Rencis has appointed Walter Buchanan (As a past president and member of the Order of Tattered Purple Badges) and Wallace Fowler (as current chair of the ASEE Academy of Fellows) to co-chair the 125th Anniversary Planning Committee. The Board is eager to be kept apprised as planning progresses. ASEE Communications Director Nathan Kahl and I will provide support to the Committee.

We are eager to have active participation in the planning effort by all parts of ASEE's membership. Our Past Presidents and Fellows can provide context and perspective on ASEE's historic accomplishments, and our newer members can contribute to identifying those activities and plans that will contribute to our future vitality. I urge your participation in planning the celebration of this major milestone for ASEE. Please contact Walt <buchananw@tamu.edu> or Wally <Wallace.Fowler@austin.utexas.edu>.

Norman L. Fortenberry, Sc.D.

Executive Director



ASEE President Joseph Rencis



Use the Fellows Website

Just can't place one of the Fellows? Is there a Fellow you haven't seen recently and would like to be in contact with? Well, now you can get contact information on them through the Fellows website at ASEE. Log in at www.asee.org/activities/organization/fellows.

On the left side select Fellows Contact Info. Enter your username and password, do an alpha search for the individual you want to contact, click on the plus (+) sign, and write down the contact info you need.

Academy Officers

Wally Fowler, Chair, Wallace.Fowler@austin.utexas.edu

Mary Anderson-Rowland, Past Chair, mary.anderson@asu.edu

Tom Roberts, Secretary, tr@ksu.edu

Lucy Morse, Newsletter Editor, morse@mail.ucf.edu

Reminder - Reduced Membership Dues

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 (Age + Years of membership = 100), 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 \$50 registration fee for the Annual Conference. **Retired Members** receive a 50% discount on registration. All members pay for ticketed events.



Tom Roberts at ASEE 2015

Mark Your Calendars

ASEE Annual Conference:

New Orleans, LA. June 26-29, 2016
Columbus, OH. June 25-28, 2017

Salt Lake City, UT. June 24-27, 2018
Tampa, FL. June 16-19, 2019
Montreal, Quebec, Canada. June 21-24, 2020

Conf for Industry & Educ Collaboration (CIEC):

Jacksonville, FL. 2017

Enging Research Council (ERC) Annual Conf:

Engineering Dean's Institute:

San Francisco, CA. Mar 30-Apr 2, 2016
Coral Gables, FL, Apr 2-5, 2017
New Orleans, LA, March 25-28, 2018
San Antonio, TX, Apr 13-17, 2019

Engr Deans Council Public Policy Colloquium:

Washington, DC. February 10-11, 2015
(Same. 2015-2020)

Engineering Tech Leadership Institute (ETLI):

National Effective Teaching Institute:

ASEE Workshop on K-12 Engr Educ:

New Orleans, LA. June 25, 2016
Columbus, OH. June 24, 2017
Salt Lake City, UT. June 23, 2018
Tampa, FL. June 15, 2019
Montreal, Quebec, Canada. June 20, 2020

International Forum:

New Orleans, LA. June 26, 2016
Columbus, OH. June 25, 2017
Salt Lake City, UT. June 24, 2018
Tampa, FL. June 16, 2019
Montreal, Quebec, Canada. June 21, 2020

For additional info: Visit www.asee.org

In Memoriam: Dean Carl Long 1928–2010



Carl Long, the dean credited with ushering in Thayer School's modern era, died of complications from Lewy body disease on February 25 at his home in Hanover. Photograph courtesy of Thayer School archives. Long came to Thayer in 1954 as a civil engineering professor. As dean from 1972 to 1984, he expanded faculty research and Thayer's ties with the corporate world. He established the Cook Engineering Design Center, a partnership with industry that gave Thayer students a bridge connecting their engineering studies to industry. He increased faculty research in several areas, including

biomedical engineering in collaboration with Dartmouth Medical School and Dartmouth-Hitchcock Medical Center, ice engineering in collaboration with the U.S. Army Cold Regions Research and Engineering Laboratory, chemical process engineering experimentation in converting biomass into energy, and environmental fluid dynamics. In addition to expanding Thayer's size and scope, Long engineered the school's transition to financial independence from Dartmouth, established the Thayer School Annual Fund, and increased Thayer's endowment. Following his deanship, Long returned to the classroom. His ENGS 21: "Introduction to Engineering" course, where students created engineering solutions to real-world problems, was among the most popular in the Thayer curriculum. He also served as director of the Cook Engineering Design Center before retiring in 1992.

He was a member of several professional and advisory organizations, including the American Society of Civil Engineers, American Association for the Advancement of Science, American Society for Engineering Education, and the U.S. Patent and Trademark Office. He is survived by his wife of 54 years, Joanna, children Carl Jr. and Barbara Anne, and sister Anne. –

See more at:

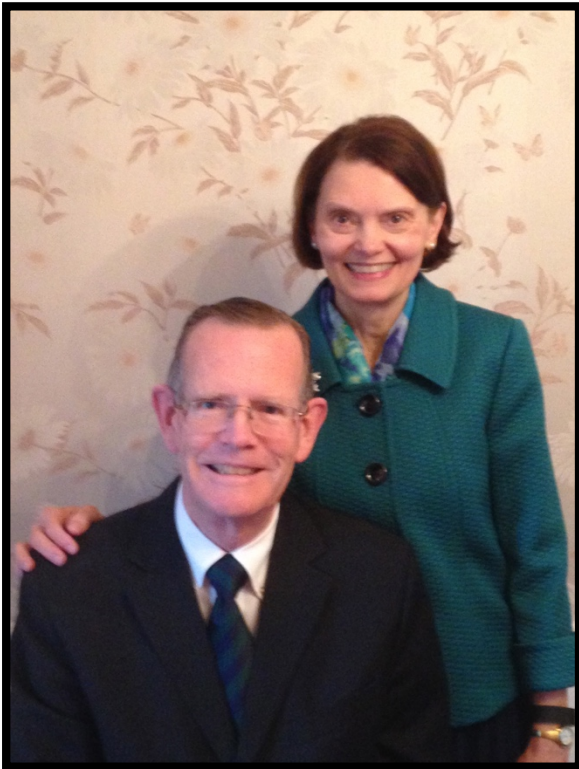
<http://engineering.dartmouth.edu/magazine/in-memoriam-dean-carl-long/#sthash.vmCQtiLA.dpuf>

Fellow Fodder – Winter 2015-2016

Jeff Froyd

Went to Ireland for the first time. Offered a faculty development workshop at King Fahd University of Petroleum & Minerals. Attended FIE in El Paso. ABET visit to Gassim, Saudi Arabia. Hosted 4 grandchildren (and their parents) for Christmas holidays. Offered 7th annual faculty development workshop at Indian Institute of Technology-Madras.

Robert H. Todd PhD, P.E.



My wife, Janell, and I are currently serving a second mission together for our Church, The Church of Jesus Christ of Latter-day Saints, in the Palmyra, New York Temple. It is anticipated that we will be serving here for at least a year.

Palmyra is about 30-40 miles east of Rochester, NY, and is the origin of the restoration of the gospel of Jesus Christ with the boy prophet, Joseph Smith, when he was 14 years old. The Church was organized on April 6, 1830 near here and has a number of historical sites restored and maintained in this area in addition to the Palmyra Temple.

The Palmyra Temple was built and dedicated on April 6, 2000. Temples are unique in the Church as they are used exclusively for performing sacred ordinances such as marriage for time and all eternity, etc. Normal meetinghouses are used for Sunday services and other weekly activities. When the Provo, Utah, City Center Temple is dedicated on March 20, 2016, this temple will be the 150th operating temple of the

Church located throughout the world. More temples have been announced and under construction.

After my retirement in 2012 from BYU, my wife and I served a mission for the Church in Madagascar which we have writhed about previously in the Newsletter. This is our second mission together.

I have attached several photographs, the first is of my wife, Janell, and myself taken just before this mission in Palmyra. The second photograph is of the Palmyra Temple taken last week, when we arrived in Palmyra after a 2200 mile 'white knuckle' trip on I-80 in our car from our home in Provo, Utah. As you can tell from this photo, it is winter here in upstate, New York!

The last photograph is of our family of eight children and all of our grandchildren up to that time, taken just after the wedding luncheon on that day in April. Our family is in the photograph with our

1931 Model A Ford Deluxe Roadster that we restored after our mission to Madagascar. Our youngest son and his bride are in the rumble seat of the Model A. Janell and I are up front in the car. After this photograph was taken we drove our son and his new bride in the Roadster to their reception.



We hope all of our fellow 'fellows' are doing well and are having a great 2016!

Lester Gerhardt

Dr. Lester Gerhardt was awarded the 2015 Townsend Harris Medal by the City College of New York (CCNY). Announced in late summer, the formal ceremonies, dinner and reception were held in Manhattan in November, 2015 at the NY Hilton with over 500 attending. Cited were his stellar combined industrial and university career to including his contributions to developing a visual simulation system for space flight and the first Apollo moon landing, at Bell Aerospace; distinguished teaching and advanced research in Digital Signal Processing and Brain Computer Interfacing, concurrent with 8 academic administrative leadership positions at Rensselaer. Acclaimed as an 'agent of change' in international education, he was Co-Founder of the Global Engineering Education Exchange Program exchanging thousands of students worldwide, initiator of the Rensselaer Exchange Across Cultural Horizons (REACH) Program, NATO Representative, international consultant and Sr. IIE Presidential Advisor. He received the esteemed ASEE Lamme Medal in 2012, among other honors. A small portion of his acceptance remarks appear below, tailored to higher education in general.

I feel honored, proud, and blessed to be the recipient of the highly regarded Townsend Harris Medal, following in the footsteps of such luminaries as Jonas Salk, Ira Gershwin, Colin Powell, Andy Grove, Nobel Laureates such as Leon Lederman and Arno Penzias, among others. From the bottom of my heart, thank you all.

And I'm Grateful.

Grateful for when and where I was born -in a land of opportunity at a time of opportunity;

Grateful for only knowing freedom, never knowing hunger, never fearful, and having always slept in a clean bed;

Grateful to parents that treasured education;

Grateful to CCNY for providing that education then free of tuition, with only a \$14 student fee;

Grateful for a loving partner in life, Karen my wife of 54 years, two truly wonderful and caring sons, an outstanding daughter-in-law, and two grandsons that are the very definition of 'awesome', each and all of whom have made my life 'delicious' and doable.

I'd simply like to imagine a world where every citizen of the planet, whenever and wherever they might be born, would have the opportunities I had for which I am eternally indebted and grateful. May there always be educational opportunities to allow each desiring and deserving person become all they are capable of being.

Marilyn Barger

Marilyn has been on the road representing the NSF funded FLATE (Florida Advanced Technological Education Center of Excellence) around the country and around the world In November, FLATE was invited to participate in the White House meeting as a member of the "Tampa Bay STEM Network". This Network is spearheaded by the School District of Hillsborough County and includes a wide array of partners including MOSI (Museum of Science and Industry, as a co-lead), the Florida Aquarium, the USF College of Education, the Coalition for Science Literacy, and the local STEM Funders Network member. The "Tampa Bay STEM Network" will use its first year seed funds to develop a plan of action for the community and determine how Hillsborough County can best leverage the many and diverse resources, organizations, and funds to create an effective and motivating STEM ecosystem to provide STEM educational content to all children and support educational pathways to STEM careers. The White House kickoff meeting was inspiring for all participants.

Earlier in the fall, Marilyn was in Slovenia and met both with the US Embassy staff and the Ministry of Education and representatives from several colleges and universities. FLATE has been looking for opportunities for technical students in community college education program to participate in education or work-based programs overseas. After the work meetings in the lovely Slovenian capital, Ljubljana, Marilyn had a few days on the Adriatic coast and definitely enjoyed the beautiful water, the salt museums and exceptionally wonderful food.



FLATE team with Slovenian educators and the Minister of Education at the Ministry Building



Tampa Bay STEM Ecosystem Team in DC

Ron Kane

Just about when the ASEE Annual Conference was completed, Susan and I set off on a driving tour of the Pacific Northwest that "gave" Susan her 50th state, Oregon, and, for both of us, first time visits to a group of regional National Parks in the U.S. and Canada. Sue's hobby is photography and she had opportunities for natural wonders like Crater Lake, Mount St. Helens, the Columbia River Gorge, and Lake Louise in Canada, along with wildlife, especially in Glacier National Park.

Unable to stay put for very long - despite our enjoyment of grandchildren and family, we did a tour of South Africa and Zimbabwe in the fall, with several days on safari seeing the "Big 5" animals

plus many more in Kruger National Park and nearby game reserves. As I write this in January 2016, we are preparing for 6 weeks away from New Jersey for a driving vacation to the South, with our first destination - the Gulf Coast from Biloxi across to Tallahassee (a deep south region we have never visited). We will then be in Florida for three weeks visiting relatives and friends, including some old college fraternity buddies as an extension of my 50-year college reunion held in 2015. The trip will end with a two-week cruise that includes a few Caribbean islands we have never seen before.

I stay in touch with NJIT and many friends and colleagues and get occasional calls on "how to handle" or "how did you do" problems. Our home is close enough to allow visits and enjoyment of social occasions on campus. And I still play volleyball and tennis plus being an active hiker and have been known to play a poker hand or two. Susan and I play Scrabble regularly (I win once in a while). Otherwise my philatelic pursuits keeps my mind busy.

I hope the Fellows are staying active and healthy.

Jason Keith

Jason Keith coordinated an education and research partnership between Mississippi State University and the Universite Internationale de Rabat in Morocco



From left to right here are the Mississippi State University folks in this picture and their titles: Peter Ryan, Associate Provost; George Hopper, Dean of the College of Agriculture and Life Sciences and College of Forest Resources; Jon Rezek, Interim Associate Vice President for International Programs; Jason Keith, Dean of the Bagley College of Engineering

Eli Fromm

Believe it or not I am still a full time faculty member at Drexel. Regarding news, I am starting an NAE Grand Challenges Scholars Program. I proposed the program to the NAE Committee and have recently received approval. I am formally on sabbatical this year (my first in 49yrs. as a Drexel faculty member) but still am doing some Drexel related work. Also of news, I have been working as a member of a National Research Council Task Force on “Strengthening Research Experiences for Undergraduate STEM Students” and just recently was appointed to the National Academies “Board on Army Science and Technology”. These, in addition to my sabbatical project are certainly keeping me very busy.

Rich Felder

Some of the Fellows might be interested in the news that my colleague, fellow Fellow, and wife Rebecca Brent and I have finished work on Teaching and Learning STEM: A Practical Guide, to be published by Jossey-Bass and released in March of this year. We’ve been working on it for 14 years, obsessively for the past five. Not working on it feels weird, probably something like being released after decades in prison (except that Rebecca’s cooking being what it is, the prison food has been unusually good). Information about the book can be found at: www.ncsu.edu/felder-public/TeachSTEM/TeachSTEM.html

