



# ***ASEE Academy of Fellows Newsletter***

**January 2015**

## **Message from the Chair**

Greetings and Salutations to all ASEE Fellows: Here we are in 2015, preparing for another ASEE annual meeting, this time back in Seattle. At the June 2014 meeting in Indianapolis, we added twelve new members to our number, eight of whom are female. Due to schedule conflicts, only six of the new Fellows were present at our Fellows Breakfast. There were 59 of us at the breakfast in Indianapolis, down from 72 in Atlanta. Several of our stalwart attendees were unable to attend the breakfast because of other commitments at the meeting. We hope our number will be higher in Seattle. If you are able to attend the meeting, please plan to attend the Fellows Breakfast.

At the breakfast in June, ASEE Executive Director, Dr. Norman Fortenberry, asked again for our input on how to improve ASEE. He stressed that ASEE needs our aggregate experience and wants us to take a leadership role in society activities. If you have ideas about how to make ASEE stronger and better, please send them to Norman.

Wally Fowler, Chair



## **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](http://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.

## **Additional Fellows Photos and Info**

Photos of New Fellows, and additional info about the Fellows, may be found at the ASEE website –[asee.org](http://asee.org). Select: For Members, Divisions & Groups, and Academy of Fellows. Options then include: Fellows (alpha list of Fellows with affiliation and induction year), Newly Elected Fellows (w/ photos - click camera icon), Officers, How to Nominate, Meeting Minutes, and Fellows Newsletters (past).



## 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.



**2014 Fellows**



**ASEE Award Recipients**

### Photo Credits

We have lots of great photos from Fellows in the Fellows News Section. Frank Gourley took the photographs used in other sections of this issue at the 2014 Academy of Fellows meeting in Indianapolis. Clarity of some photos may be reduced to keep the Newsletter file size low (quicker upload time).

## Academy Officers

**Wally Fowler**, Chair, [Wallace.Fowler@austin.utexas.edu](mailto:Wallace.Fowler@austin.utexas.edu)  
**Mary Anderson-Rowland**, Past Chair,  
[mary.anderson@asu.edu](mailto:mary.anderson@asu.edu)  
**Tom Roberts**, Secretary, [tcr@ksu.edu](mailto:tcr@ksu.edu)  
**Lucy Morse**, Newsletter Editor, [morse@mail.ucf.edu](mailto:morse@mail.ucf.edu)

## Mark Your Calendars

### ASEE Annual Conference:

Seattle, WA. June 14-17, 2015.  
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):

Palm Springs, CA. 2015  
Austin, TX. 2016  
Jacksonville, FL. 2017

### Enging Research Council (ERC) Annual Conf:

Silver Springs, MD, March 9-11, 2015  
Silver Springs, MD, March 7-9, 2016

### Engineering Dean's Institute:

Kiawah Island, SC. April 12-15, 2015  
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):

Arlington, VA, October 9, 2015

### National Effective Teaching Institute:

Seattle, WA, June 11-13, 2015

### ASEE Workshop on K-12 Engr Educ:

Seattle, WA. June 13, 2015.  
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:

Seattle, WA, June 14, 2015  
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](http://www.asee.org)

## **ACADEMY OF FELLOWS**

### **ANNUAL MEETING MINUTES**

**June 18, 2014** - Indianapolis, Indiana ASEE

The ASEE Academy of Fellows met for its 2014 meeting from 8:45 until 10:00 AM on Wednesday, June 18, 2014 in White River A Ballroom of the J W Marriott Hotel in Indianapolis, Indiana. A most delicious breakfast was enjoyed by those present for the meeting. Names, affiliations, and contact information for those present is attached to these minutes.

1. Meeting Call to Order

At 9:10, Academy Chair Mary Anderson-Rowland called the meeting to order.

2. Moment of Silence

Those present observed a moment of silence in honor of all ASEE Fellows who had passed since the last meeting.

3. Remarks: ASEE Executive Director – Dr. Norman Fortenberry

Dr. Fortenberry thanked the Fellows for their contributions to ASEE and again asked the Academy of Fellows for additional service. Last year, he asked that the Fellows group to suggest ways to make ASEE stronger and better and hadn't heard much from us. He stressed that ASEE needs our aggregate experience and wants us to take a leadership position in society activities. He invited us, as the Academy of Fellows, to identify perhaps three top issues. One suggestion he had was for us to suggest ways to increase ASEE philanthropy.

4. Introduction of ASEE Officers in

Attendance:Walter Buchanan - ASEE Past President, Kenneth Galloway – ASEE President, Nick Altiero – ASEE President-Elect, and Joe Rencis, ASEE President-Elect-Elect were recognized.

5. Introduction of Academy of Fellows

Officers: Mary Anderson-Rowland – Chair, Wallace Fowler – Secretary, Vice-Chair, and Chair-Elect, and Frank Gourley – Newsletter Editor were introduced. Dr. Carl Locke – Past Chair

## **ANNUAL MEETING MINUTES (cont'd)**

6. New Fellows Introductions:

There were twelve new ASEE Fellows in 2014. The increase in the number of female members of the Academy of Fellows was highlighted. It was noted that eight of the twelve new Fellows are female. Only six of the new Fellows were present at the Fellows breakfast. The news Fellows present at the breakfast were:

Laura Bottomley  
Rebecca Brent  
Christine Cunningham  
Patricia Hall  
Kim Needy  
Jeffrey L. Ray

The new fellows not in attendance at the breakfast are:

Jason M. Keith  
Hamid R. Rarsaei  
Mary A. Sadowski  
Ann Saterbak  
Noel N. Schulz  
John J. Uhran, Jr.

An action item was given to the incoming Chair to request that ASEE Headquarters include information about the Fellows Breakfast in the letter to new Fellows next year.

7. Not-so-new Fellows Introductions:

All Fellows present are listed, along with contact information, at the end of these minutes.

8. Greetings from Absent Fellows:Lyle Feisel, Angie Perna, Bob Todd, and Frank Burris regretted that they were unable to attend and send their greetings.

9. Remarks: ASEE President Kenneth Galloway Ken reported that the ASEE Board of Directors and Staff are doing a great job. He suggested that the society needs to step back and examine its focus – that we should closely examine our Vision, Mission, and Structure to be sure that we are doing what we should be doing. He reported that membership is flat – not increasing or decreasing.

## **ANNUAL MEETING MINUTES (cont'd)**

10. Remarks: Incoming President -- Nick Altiero  
Nick noted that the job of ASEE President is, in reality, a three year commitment. It involves one year as President Elect, one year as President, and one year as Past President. ASEE, in reality, has a presidential "team" working in its behalf. Ken, Nick, and Joe are our three person team for next year.

Nick reported that he had attended a meeting of 50 engineering organizations. He noted that ASEE was the only organization at the meeting that had "education" in its name. He asked us to consider what value ASEE brings to the table at such meetings. He wants us to look at ASEE's articulation. What are our vision and mission? What are our values and activities?

11. Old Business: The ASEE Academy of Fellows has bylaws. These were part of a package of Academy artifacts that George Burnet provided to Frank Gourley contained no specific section devoted to how the bylaws could be changed, and that this needed to be remedied. However, the Academy Chair, Mary Anderson-Rowland, noted that a close reading of the bylaws suggests that the bylaws can be changed through Article 5 (See below).

**ARTICLE 5. VOTING.** A vote on any matter at an Academy meeting will be decided by a simple majority of the Fellows present and voting, except that any vote on a proposed recommendation to the Board of Directors of ASEE will require approval by two-thirds of members present.

A copy of the Academy bylaws is attached to these minutes.

It was also noted that the bylaws provide for only two officers, the Chair and the Chair-Elect/Secretary, but that in reality, there needs to be a third office, that of Newsletter Editor. Proposals for changes in the bylaws will be presented at the next meeting of the Academy. The question of where / how to preserve the Academy artifacts arose. The ASEE Executive Director has offered to preserve them at ASEE Headquarters. A committee made up of Frank Gourley, Lucy Morse, and Wallace Fowler was appointed to consider the issue.

## 12..New Business:

The election of new leadership for the Academy of Fellows was the first order of new business. Chair Mary Anderson-Rowland presented the slate of nominees to those present. The nominees were:

Past Chair – Mary Anderson-Rowland  
Chair – Wallace Fowler  
Secretary / Chair-Elect – Tom Roberts

It was moved by John White that nominations cease and that the slate be elected. Ed Jones seconded the motion. The slate was elected by unanimous vote.

## 13. Announcement of Photos:

Frank Gourley took individual photos of each Fellow present to have an archive of photos for the newsletter. This was done during breakfast. Frank asked that new fellows and awardees stay after the meeting adjourned to have additional photos taken.

## 14. Comments by the Chair:

The Chair presented a humorous item focusing on two books: *Women Don't Ask* by Linda Babcock and *Who Moved My Cheese* by Spencer Johnson .

## 15. Passing of the Bill Wilhelm Hammer:

The outgoing Chair, Mary Anderson-Rowland, then turned the meeting over to incoming Chair, Wallace Fowler. She presented him with the Bill Wilhelm Hammer, the symbolic gavel of the ASEE Academy of Fellows.

## 16. Remarks by the Incoming Chair:

Wallace Fowler reminded those present that we were challenged by our ASEE Executive Director, Norm Fortenberry and our incoming ASEE President, Nick Altiero, to take a more active leadership role in ASEE activities. The ASEE's leadership team (Nick, Ken, and Joe) welcome our suggestions and our active participation. Suggestions were solicited to be sent to the ASEE leadership team and/or the Academy of Fellows officers.

## 17. The meeting adjourned at 9:55



## ANNUAL MEETING MINUTES (cont'd)

### Suggested Academy of Fellows Activities by Fellows Present after the Breakfast

a. Ray Genalo suggested:

"ASEE should undertake an education mission – educating the general population and in particular, politicians, about engineering. "

b. Ken Galloway (ASEE Immediate Past President) suggested:

At the "Fellows Breakfast" at ASEE in Indy, ED Norman Fortenberry called on the assembled fellows to explore ways in which they might use their experience and their leadership skills to further the goals of ASEE and make the society stronger. And, he mentioned the consideration of philanthropy.

As a "recovering dean," university development and alumni relations are still often on my mind. How about challenging the ASEE Fellows to create an endowment to fund the "ASEE Academy of Fellows Lecture" --- the lecture to be the highlight of the plenary at the opening of each ASEE Annual Conference?

It would be a real, visible, and continuing contribution of the Academy of Fellows to the efforts of the society. The speaker could receive a small honorarium and a plaque to commemorate the event.

I would guess that an endowment goal of \$100,000 would be reasonable to make this work. It would financially benefit the society into the future. And, we need to be concerned about strengthening the society financially.

How many living fellows are there? Do you think that the ASEE fellows could get behind an effort like this? Just an idea to "kick around."

## 2014 ASEE ACADEMY OF FELLOWS BREAKFAST: Attendee

Stephanie Adams, [VA Tech](#); Nick Altiero, Tulane; Mary Anderson- Rowland, Arizona State Univ; Maureen Barcic, U of Pittsburgh; Marilyn Barger, FLATE/Hillsborough CC; Larry Genalo, Iowa St.U; Frank Gourley, WVU Tech (Ret.); Charles Haines, R I T; Pat Hall, U of Tulsa; Tom Hall, NSU of LA; Robert Herrick, Purdue; John Heywood, U of Dublin; Eddie Hildreth, So. U (Ret.); David Irwin, Auburn U; Ray Jacquot, U of Wyoming (Ret.); Edwin C. Jones, Iowa State U / U of St. Thomas; Amir Karimi, U of Texas – San Antonio; Sue Kemnitzer, NSF; Susan Lord, U of San Diego; Jessica Matson, Tennessee Tech U; Jim Melsa, Iowa State; J.P. Mohsen, U of Louisville; Lucy Morse, UCF (Ret.); Bob Mott, U of Dayton (Ret.); Kim Needy, U of Arkansas; Matt Ohland, Purdue; Bill Oakes, Purdue; Barbara Olds, NSF; John W. Prados, U of Tennessee (Ret.); Kanti Prasad, U Mass Lowell; Sarah Rajala, Iowa State U; Jeff Ray, Southern Polytechnic; Teri Reed, Texas A&M U; Joe Rencis, Tennessee Tech U; Larry G. Richards, U of Virginia; Tom Roberts, Kansas State U; Diane Rover, Iowa State U; Joseph Shaeiwitz, Auburn U; Larry Shuman, U of Pittsburgh; John Steadman, U of South Alabama; John A. White, U of Arkansas; and Larry Wolf, Oregon Institute of Technology.





# ASEE Academy of Fellows

---

## BYLAWS

**ARTICLE 1. PURPOSE.** The purpose of the Academy is to provide a forum which the Fellows of ASEE can raise and deliberate key issues pertaining to the role, quality, and contributions of engineering education, defined in its broadest sense, and formulate position papers and/or propose courses of action therefrom, including appropriate recommendations to the ASEE Board of Directors.

**ARTICLE 2. MEMBERSHIP.** The Academy membership will consist of all living persons who have been named by the Board of Directors of ASEE as Fellows of ASEE, except that any Fellow of ASEE may decline to hold membership in the Academy by advising the Chairman of the Academy in writing.

**ARTICLE 3. OFFICERS.** The Academy will have a Chairman and a Vice Chairman/Secretary. The officers will be elected by majority vote of those Academy members present and voting at the Annual Meeting of the Academy. The terms of office for the Chairman and Vice Chairman/ Secretary will be two years, but no individual may serve in the same office for more than two successive terms.

**ARTICLE 4. MEETINGS.** An Annual Meeting of the Academy will be held sometime during the course of each Annual Conference of ASEE and will be advertised as part of the ASEE Annual Conference. Other meetings of the Academy may be held as approved by the Academy. The Chairman or Vice Chairman/Secretary will preside at all meetings of the Academy unless other provisions are made by vote of the Academy. Officers of the Academy will present an agenda for each meeting of the Academy, to which agenda other items may be added as proposed by individual members of the Academy.

**ARTICLE 5. VOTING.** A vote on any matter at an Academy meeting will be decided by a simple majority of the Fellows present and voting, except that any vote on a proposed recommendation to the Board of Directors of ASEE will require approval by two-thirds of members present.

**ARTICLE 6. LIAISON WITH ASEE.** The Officers of the Academy will maintain a liaison with the ASEE Board of Directors through the President-Elect of ASEE.

**ARTICLE 7. PROGRAM.** The program of the Academy will be adopted at the Annual Meetings and/or at other meetings of the Academy.

**ARTICLE 8. FINANCES.** No levies may be made upon members of the Academy except for meals and like items that are provided to Fellows who attend an Annual Meeting or similar program that the Academy has approved. The Academy may undertake activities that require financial support, but only through arrangements that are made with an appropriate office within ASEE.

**ARTICLE 9. ACTIVATION AND DISSOLUTION.** The Academy will be activated by approval of these Articles at the scheduled meeting of Fellows held as a part of the 1994 Annual Conference of ASEE and confirmed by a subsequent mail ballot by members of the Academy. The Academy may be dissolved by a vote of the Academy at any subsequent annual meeting of the Academy and confirmed by a majority of the votes cast by Fellows as the result of a subsequent mail ballot by the Members of the Academy.

Fellows approved by mail ballot November 15, 1994  
Approved by ASEE Board of Directors June 25, 1995

## **Fellow Fodder – Winter 2014-2015**



### **Mark Pagano**

One piece of news for me is that on Christmas eve I received a call from UWT. Then on January 7<sup>th</sup>, 2015 I had the good fortune to be named the next Chancellor of the University of Washington Tacoma. Kelly and I are very happy and I hope to show the new campus to many of my friends while they are attending ASEE in Seattle this June. Happy New Year!

Mark <http://www.tacoma.uw.edu/>



### **John Weese**

A few years ago, I noticed that there wasn't a copy of the Report, Goals of Engineering Education, among the list of ASEE reports on the ASEE web site. I convinced Warren Salladay to find one but the best he could do was to retrieve the bound set of Vol. 58 or the ASEE JEE. That thick book didn't scan very well so the resulting PDF was very difficult to read but it did get posted on the ASEE web site. I was not involved in it myself but producing the Goals report was a monumental undertaking and it stands as an excellent record of conditions and opinions about engineering education at the time the information was gathered. It includes a carefully constructed set of projections about what conditions might be in 1984 and in 2000, as well as and recommendations.

Knowing how useful this information might be, I embarked on an effort to locate an unbound copy of the January 1968 Journal of Engineering Education. I'd almost given up when I happened to mention my frustration to Lyle Feisel. He knew that Ed Jones was a careful saver of ASEE publications, so he suggested I contact him. True to Lyle's expectations, Ed found his copy of that JEE and even authorized letting ASEE disassemble it if that would facilitate producing a really good PDF. To make a long story short, I sent Ed's JEE to Keith Mounts who has produced a superb PDF and posted it on the ASEE web site.

I'm hoping the message I've attached will help spread the word that the Goals report is now posted so that interested people can actually make use of it. I believe the Fellow Newsletter is a good place to start. I'll also copy Norman Fortenberry with this message, hoping that he may have a brief mention of the posting of the Goals report for the ASEE First Bell and/or the ASEE Prism. (Aside – John informed me he is the official list keeper for the Fellows)



### **Joan Gosink**

I am writing this from my verandah stateroom on the Ganges River. This trip definitely fits the category of "epic journeys". India overwhelms the senses in ancient beauty and oppressive poverty. Somehow despite that poverty, the people endure and are cheerful. Last week, we stayed in two five-star hotels one week before President Obama's visit, and noticed Secret Service agents "casing the joint". Brought back memories of my 1990-1991 sabbatical at NSF in Washington DC, where we shared the building with the Secret Service.



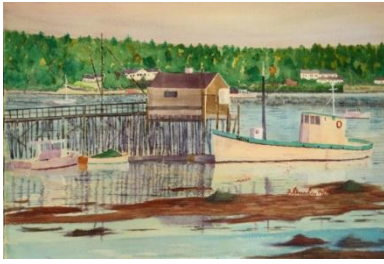


**Mike O'Hair** hosted the ASEE Engineering Technology "Old-Timers" for a reunion dinner last summer during the ASEE Annual Conference in Indianapolis. There were almost 50 people who attended. Among those attending were a number of Fellows (see photo below). This group sponsored a Panama Canal cruise which is taking place the last half of February, 2015. There are 24 people going, including several Fellows and their wives.



Following the Annual Conference in Indianapolis, **Frank Gourley** did genealogical research on his ancestors in that area and attended a bit of the Annual Bill Monroe Beanblossom Bluegrass Festival nearby. In August, he and Genevieve took grandkids to Maine. In September, he visited a number of friends and family members in Tennessee. In October, they spent a week with friends at Emerald Isle, NC. In November, he completed a live-edge end table. He also coordinated an excursion to EnterTrainment Junction in Ohio in November, hosted by Fellow Bob Mott. In January, he 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, they are going on a Panama Canal Cruise with a group of 20 engineering technology educators and friends that he coordinated. Meanwhile, they continued to participate in the two-week Garden Showcase in June; hosted, weekly, a group of 'painters' in their watercolor studio; and have recently begun serving as ushers for events at the Clay Center in Charleston. In addition, he coordinates the annual meeting of the retired faculty and administrators at WVU Tech; coordinated the cleanup of several overgrown, unoccupied properties in a nearby neighborhood; and coordinates a men's group that meets weekly. (See photos on next page.)





**Bob Mott**, University of Dayton Professor Emeritus, continues to write new editions of his three textbooks in the mechanical design field. The *Applied Strength of Materials* book was recently transferred from Pearson/Prentice Hall to CRC Press. Bob is working with a new co-author, UD colleague Joe Untener, on the manuscript for the 6<sup>th</sup> edition of this book. Joe also co-authored the 7<sup>th</sup> edition of Bob's *Applied Fluid Mechanics* book that came out from Pearson in January 2014. Next up will be the 6<sup>th</sup> edition of *Machine Elements in Mechanical Design*, also from Pearson, for which two new co-authors will be joining Bob in preparing the manuscript. The current 5<sup>th</sup> edition of that book came out in the fall of 2013.



### **Les Gerhardt**

Dear Friends and Colleagues: Building on Emerson's quote, I've felt that Life, like sailing, is a journey, not a destination.\*

With only a slight apology for the lack of brevity, here is a summary of part of my journey. In 1961, I received a Bachelors' Degree from CCNY, a job from Bell Aerospace, my wife Karen's hand in marriage, and wonderful motivation for a career from President John F. Kennedy—"that this nation should commit itself to achieving the goal, before this decade is out, of landing a man on the moon and returning him safely to earth". Today I happily still retain three of these gifts.

My first job in industry was challenging, exciting, and to say the least unique. I was heavily immersed in the Apollo Program focusing on the visual simulation of space flight and astronaut training, and in particular the first landing of man on the moon. By the end of the decade, a lifetime of personal and professional experiences, and never to be forgotten memories were packed into it for me. These culminated when Neil and Buzz, trained on the simulator, landed on the moon, stepped onto its surface, and later, aided by the Bell built Agena engine, lifted the LEM off the surface to rendezvous with the orbiting command module and Mike Collins, then to return safely to earth.

With two graduate degrees (earned while working full time) and two young sons in hand, and with Karen's encouragement and support, I accepted an offer of a Faculty position at Rensselaer. I guess this decision could be said to have worked out, as I now reflect on this some 45 years later.

I proudly can and often do look back on many, many thousands of students taught and mentored using virtually all educational and technological modalities, millions of dollars of sponsored research, patents, extensive international travel, numerous external national and international awards and honors, new courses developed, creating new international programs, and overall four and one half decades of interesting, challenging and fulfilling hours of doing my very best for as many people as could benefit from my efforts. By far the most meaningful outcome assessment for me is the accomplishment, success, and happiness of my students, so many of them being world class entrepreneurs before it became popularized. Their achievements are my greatest reward.

For more than 35 of those wonderful years, my role as Professor was inextricably intertwined with holding no less than eight high-level academic administrative positions each of which offered me the expanded opportunity to serve the needs of our faculty, students and staff on a broader scale. For all this, I am appreciative of others confidence implicitly reflected by this involvement, and sincerely feel indebted for it. I extend my special gratitude to my Faculty colleagues, who most recently elected me to Chair of the Faculty,

Vice President and then President of the Faculty Senate. All this complemented by external consulting and service including being a Delegate to NATO, and Sr. Advisor to the President of the Institute for International Education, further enhanced the diversity of my professional and personal life during these 45 years. I will always remember my early morning starts and often long-spent hours at the office, at School, at Rensselaer, but also that I never said I was going to work, and I never considered it as a job. These years were truly a journey of body, of mind, and of heart for me in the variety of roles in which I served.

I give thanks to my Rensselaer Family ; all of my colleagues over these many years, my students, the Rensselaer leadership, the staff, and the broader Rensselaer Community for all the support, encouragement and understanding of which I was the beneficiary. In that time, we had nine Presidents, although two of them accounted for about half of my time at Rensselaer, and they deserve special note for the strength of their commitment, vision, direction, and unique leadership. With George Michael Low's vision, we experienced a 'Technological Camelot', highlighted by the School of Engineering BUILD Program growth and industrial support, the Voorhees Computer Center, the RPI Incubator Program, the Rensselaer Technology Park and the Center for Industrial Innovation. Led by Shirley Ann Jackson and the Rensselaer Plan, the Rensselaer Plan 2024, and the Vision of the New Polytechnic, we saw a transformative change in research, pedagogy, and student life at Rensselaer, achieving heightened global recognition and respect for excellence, along with construction of the Center for Biotechnology and Interdisciplinary Studies, EMPAC, and the East Campus Athletic Village.

Most of all, I cannot express enough heartfelt thanks and love to my personal family, which during these 45 years grew in number and years themselves, to now include our two wonderful adult sons, a very special daughter (in-law), two truly outstanding grandsons, and my friend and partner in life, my wife Karen. Her support, caring, love and guidance made life worth living, purposeful, and in a word simply 'delicious'. My family, all now living within fifteen minutes of each other, shared as much time on campus and familiarity with Rensselaer growing up, as my students shared at our home as they matured. As such, our personal life and my professional life naturally and fortunately also became inextricably intertwined, with everyone being the beneficiary.

Finally, and to the point, I wanted each of you to know that I will be retiring on June 30, 2015, after 45 years at Rensselaer. I have long promised Karen that I will retire before I expire, which she has diplomatically accepted, but nonetheless continues to remind me that I don't control all the parameters. As such, I owe it to her and my family, as well as to my extended Rensselaer family by making room for the next generation, to retire, with gratitude and fond everlasting memories of these fleeting years at Rensselaer. Be assured, the people, past and present, who made them so memorable will be forever present in our 'memory box'. Paraphrasing Socrates, under quite different circumstances, 'But now it is time to depart, me to go, and you to stay, but which of us is going to a better state is unknown...'

With much thanks for being part of my journey, and for being the fine people you are, Les



**Ramesh K. Agarwal**, an ASEE Fellow and William Palm professor of Engineering at Washington University in St. Louis has received in January 2015, two highest awards for the advancement of Aeronautics - the AIAA Reeds Aeronautics Award and the SAE Medal of Honor.



**Larry Genalo** will be leading an Iowa State University study abroad program again in May and June at the Politecnico di Torino, Italy. Fourteen Iowa State engineering students will study sustainability (3 credits) and engineering statistics (3 credits), while also seeing Italy. Informational sessions about the growing exchange program between the two schools will also be held.



**Ron Kane**

During 2014, Susan and I continued on our world travels - India, Cambodia, Viet Nam, Panama, Costa Rica, Honduras, Belize were on our "new" country list as we work toward a bucket list of 100 countries. For 2015, we already have Brazil, Uruguay, Argentina, Falkland Islands, Chile, Peru, and Nicaragua on the itinerary along with a Pacific Northwest trip so Susan can have seen all 50 states - she has never been to Oregon. I have to thank ASEE for moving these conventions around the country - that's how we got to see most of the 50 states and much of Canada over the years. We are enjoying our children and grandchildren, new community, new friends, activities, and each other. People do ask what I miss most in retirement and first and foremost is the socialization on-campus and off at meetings, conferences, and conventions. ASEE was always fun. I do get to the NJIT campus a few times a year and enjoy seeing "old" friends. And I still get calls on how I did this and how we did that when I was Dean. I am now involved with the 50th reunion committee for my City College of New York graduating class. I ward off requests to become full-time again or to teach classes. Our travel plans, for now, preclude a regular semester schedule. And I still play many sports, tennis and volleyball, fighting old age and lack of talent all the way. My best to all the ASEE Fellows - hope they are healthy and happy and keeping out of trouble.



**Jason Keith** is the Interim Dean of the Bagley College of Engineering at Mississippi State University, a position that he has held since March 2014.

**Don Merino**

After 25 years in industry and another 30 years in academia at Stevens, Don Merino has retired and moved to his summer home in Cape Cod, MA. He invites any other ASEE fellow to come and visit him and his wife Rosemarie. Don's email is still [dmerino@stevens.edu](mailto:dmerino@stevens.edu).



I have some news to share. Charlie McIntyre and I got married December 27th. Both of us are Fellows, we met while working as ASEE Board of Directors about 5 years ago. I hope you have a good year,

**Pat Fox and Charles McIntire**





I am very thankful for good doctors, good medicine, and many prayers. In June I had open heart surgery for the second time in five years. The first time I received a quadruple bypass (genetic origin) and this time I went in for a mitral valve replacement (also genetic). I had the same surgeon and was very fortunate to get by with a mitral valve correction with a ring sewn in all around the valve (same amount of surgery time and skill level for the surgeon). The good news is that I do not have to take warfarin (Coumadin) for the rest of my life as would be needed with a replacement. I was in good shape for the surgery (had no symptoms), but the prolapse was extreme (4+). After surgery, I followed instructions, did the cardio rehab, and am doing just fine. It should be good for about 15 years and at that point I am counting on arthroscopic surgery!

I am so sorry to hear about Bill LeBold. He was a special man! At one ASEE conference, he and Dan Budny had a joint paper in the same session as one of my papers. It was the last session of the conference and only the three of us showed. We presented to each other and congratulated ourselves on excellent talks!

**Mary Anderson-Rowland**

Past Chair, ASEE Fellows (the best position in the world!)

**Vincent Poor**



I had one piece of good news to share: In October, I received an honorary D.Sc. degree from Aalto University in Helsinki. A photo of the conferral (which involved receiving a fancy hat!) is attached. More information about the conferral (known as promootio in Finnish) can be found here: <http://promootio.aalto.fi/en/tradition/> If you think this might be of interest, I can provide further information.

**Angie Perna**



Well I'm still alive and kicking which means I continue to draw a paycheck at New Jersey Institute of Technology ( NJIT ). I thought I'd like to share an egotistic moment with you and announce that The American Institute of Chemical Engineers ( they must of lost their minds or Lyle couldn't get to them in time ) has designated me as a recipient of their Shining Star Award ( I can see Lyle sharpening his pencil as he bursts out laughing ). Believe me I can picture all the comments I would send if Lyle got it. Seriously Let me wish all of you and your family a happy. prosperous and most importantly a healthy one. I look forward to seeing you at ASEE or reading/hearing about your exploits.





**Wallace Fowler** will complete his 50<sup>th</sup> year on the faculty of the University of Texas at Austin this year. He currently teaches the capstone design course in the space flight option in aerospace engineering at the U of Texas at Austin. He also teaches a graduate course on space mission analysis and design. In addition, he directs NASA's Texas Space Grant Consortium, a statewide organization with 56 members, 41 of which are academic institutions.

**Pi Day - Tau Beta Pi invites you to celebrate Pi Day on 3.14.15 - Saturday, March 14, 2015 - and to promote Tau Alpha Pi and Tau Beta Pi.**

## IN MEMORIAM

### Dr. Ernest T. Smerdon



Dr. Ernest T. Smerdon "Ernie", age 84, of Tucson, Arizona died August 11, 2014 at the Cleveland Clinic due to heart disease. Ernie served as the Dean of Engineering at the University of Arizona for ten years (through 1997) and then spent three years directing engineering education programs at the National Science Foundation. He retired from the University in 2003. Ernie dedicated his life to continued improvement in higher education and engineering. He graduated from the University of Missouri with B.S. in Engineering in 1951 and immediately served four years in the Air Force. Afterwards, he returned to his alma mater for his M.S. and Ph.D. in Engineering. Ernie pioneered research to address critical global issues in the areas of water and the environment. During his career he worked at Texas A&M, the University of Florida, the [University of Texas](#) and then the University of Arizona. He held numerous senior positions including Vice

Provost and Dean of Engineering at the University of Arizona, Vice-Chancellor for the University of Texas System in Austin, and Senior Education Associate in the Engineering Directorate of the National Science Foundation. He was elected to the prestigious National Academy of Engineering and served as President of the American Society for Engineering Education (ASEE). He was awarded an Honorary Doctorate of Science by the University of Missouri. Both Arizona and Florida professional engineering societies named him as Engineer of the Year. The University of Arizona established the Ernest T. Smerdon Academic Center in his memory. He received several awards from ASEE and was also recognized by the American Society of Civil Engineers with the OPAL Lifetime Achievement Award for Education.



### Bill LeBold

Bill LeBold died Friday, January 23, 2015. He was Professor of Engineering in Freshman Engineering at Purdue University from 1962 until his retirement and Director of Educational Research and Information Systems from 1984. He also held a courtesy appointment in Educational Psychology, Educational Studies, in the School of Education.

He earned a BS and MS in electrical engineering and a PhD in psychology. Bill was a national authority on educational and employment opportunities for women and minorities in engineering and science and an expert on supply and demand for engineers. He helped develop and administered the Purdue Interest Questionnaire to assist more than 60,000 engineering, science and technology students and graduates in making educational and career decisions. He was a commissioner of the Engineering Workforce Commission, 1990-94. He was a major contributor to the 1968 ASEE *Goals of Engineering Education* Report. Bill to attend his 50th ASEE Conference (in Vancouver, BC) in 2011.