

Transitions

William Duggan

was born, served as a senior civil engineer, and passed away in Goshen, NY. He was recognized as a member of Sigma Pi Sigma when he attended Florida State University. Mr. Duggan served to protect his country during World War II and the Korean Conflict, in the Coast Guard and Air Force, respectively. He was a regular and generous donor to support physics students through Sigma Pi Sigma and SPS. In his obituary (<http://bit.ly/rXmbfS>), of all his accomplishments, membership in Sigma Pi Sigma was listed first.

Jack Marburger

was recognized as an honorary member of Sigma Pi Sigma at the 2004 Sigma Pi Sigma Congress. One of the plenary speakers, his address was titled *Science Ethics* (<http://bit.ly/sxAtgr>). Dr. Marburger was an early leader in theoretical nonlinear optics. A rising academic star, he soon moved on to leadership positions in academe and

science policy: president of Stony Brook University, director of Brookhaven National Laboratory, and director of the White House Office of Science and Technology Policy. Even as president of the university, he would occasionally address questions that were of pressing concern to his scientific colleagues. Armed with a profound understanding of the diversity of opinions and styles of reasoning, he brought a strong rationalistic outlook and good cheer to a host of challenges. His lasting legacy includes the tremendous advance of Stony Brook University and the establishment of the academic discipline of the Science of Science Policy. Though a very fine theorist, he reveled in building things, including the banjo his son played at his memorial.

Joseph Reagan was an American success story. He grew up in the Somerville neighborhood outside of Boston, MA, married his high-school sweet-

heart, and attended Boston College and Stanford University. He was just in time to join the space race in 1959 as an employee of the Lockheed Corporation, sending more than twenty scientific satellites into orbit for NASA, and rising to corporate vice president and general manager of research and development. He was greatly honored to be recognized as a member of Sigma Pi Sigma while at Boston College. Joe sought to share that experience with physics students everywhere. He was a leader of development efforts for Sigma Pi Sigma, as well as The Tech Museum in San Jose, CA. A great friend of Sigma Pi Sigma, he passed away suddenly, at work in his beloved woodshop.

Gertrude Fleming

Rempfer was a titan in electron optics and microscopy. Gert, as she was known, was an advocate for civil rights throughout her career, which had many stops, includ-

ing Fisk College. During World War II she served in the Manhattan Project. In 1959 she settled down at Portland State University in Oregon. Gert had a well-respected career in both teaching and research. She had great success interacting with local industry. Gertrude Fleming was received as member no. 57 of the University of Washington Sigma Pi Sigma chapter in 1933. On 12 December 2008 she was deservedly recognized as an honorary member of Sigma Pi Sigma (<http://bit.ly/vRciol>) for her leadership, service, and scholarship. Together with students and colleagues, she was actively working on the photoemission electron microscope, which she had developed, until she passed away at age 99.

Isaac Clark was a senior at Lewis & Clark College. He had been recognized as a member of Sigma Pi Sigma and Phi Beta Kappa. Isaac was an enthusiastic musician

and a physics/math double major. He had actively engaged in undergraduate research at both Lewis & Clark and Lehigh University. Isaac had a loving heart and a vibrant smile. He passed away of injuries suffered in a skateboarding accident. Isaac's life reminds us how brief a time we have, for the fellowship, scholarship, and service to which we are all committed, as members of Sigma Pi Sigma. 🎸