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POLY Obituaries

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George B. Butler, 1916-2007

June 8th, 2007
Gainesville, Florida

George B. Butler, 91, the polymer chemist who introduced macromolecules to the University of Florida, died June 7th, 2007, in Gainesville, Florida. Born and raised in Liberty, Mississippi, educated at Southwest Mississippi Junior College, Mississippi College, and the University of North Carolina/Chapel Hill, Professor Butler was known as a kind and considerate gentleman who offered quiet advice and genuine friendship every day of his life.

Professor Butler's introduction to polymer chemistry came as a researcher at the Rohm & Haas Company in Philadelphia in the early 1940s, where he pioneered the synthesis of polymeric binders for propellants. In 1946 he and his wife Josephine moved to Gainesville, where he began teaching as an Instructor at the University of Florida. Today, 61 years later, more than 18 faculty and 120 students study macromolecular science and engineering on campus, a tribute to his remarkable academic career.

The Butler research program is perhaps best known for its discovery of cyclopolymerization, chemistry that has proven to be of enormous academic interest and practical importance. The $10,000 research grant he received from the Navy to pursue this chemistry was one of the first external grants to be awarded on campus. Well over 4,000 publications have dealt with various aspects derived from the original discovery. His and Professor Paul Tarrant's entrepreneurial spirit led to the establishment of Peninsular Chem Research Corporation in Gainesville, thereby spawning commercial development worldwide in the water treatment, textiles, cosmetics, paper, coal, and glass industries. These and other contributions led to his receiving the 1980 ACS Award in Polymer Chemistry, along with numerous other awards during his distinguished academic career.

More than 180 graduate students and postdoctoral associates recall Professor Butler as an outstanding mentor. These people and his other friends around the world remember him for his hard work, unwavering integrity, generous spirit, friendly nature, chemical insight, and fierce loyalty to those who depended on him.

A memorial service arranged by Williams Thomas Funeral Home will be held in Gainesville at the First Presbyterian Church at 11 a.m. on Wednesday, June 13th.

Conveyed by Professor Ken Wagener, University of Florida

Patrick E. Cassidy, 1937-2013

Patrick E. Cassidy, born November 8, 1937, completed his earthly journey on December 6, 2013, after a lengthy battle with cancer. He is survived by his loving wife, Jeanne, son Andrew and wife Rose, daughter Lacey Menzies, daughter Melissa and husband John Abraham and grandchildren Maya and Max Abraham and Lincoln Cassidy.

He was born and reared in East Moline, Illinois, where he spent his childhood through high school. He had a wonderfully simple, small town midwestern upbringing and played in school bands.

Dr. Cassidy was educated at the University of Illinois (B.S. with Honors in Chemistry) and the University of Iowa (M.S .and Ph. D. in Chemistry, following which he was a postdoctoral fellow at the University of Arizona with Professor C.S. Marvel. His career included Sandia Corporation, Tracor, and Texas State University where he taught chemistry. He retired as Distinguished Professor Emeritus from Texas State after 41 years, including 15 years as Associate Vice President of Academic Affairs. During his tenure at the university he founded and directed several institutes and centers, including the Polymer Research Group, and published and presented internationally over 400 papers.

His awards included, among others, being named a Fellow for the Polymer Chemistry Division and the Polymer Engineering and Science Division of the American Chemical Society, receiving the Southwest ACS Award and the University President's Award for Excellence in Research.

The time he spent in the classroom and working with students as a mentor or thesis advisor was fulfilling and a joy, hence his continuation after retirement as an adjunct faculty at Concordia University- Austin, Texas. During his tenure he was awarded nine patents, most on the topic of fluoropolymers. He was also involved as a consultant for many legal firms. The faculty and staff at Texas State were among his dear friends with whom he enjoyed long term collegiality.

He served as an elder at Covenant Presbyterian Church and Westlake Hills Presbyterian Church and was a cofounder and president of Spicewood Country School. He considered himself blessed by his many dear friends and academic associates, but most of all by his family, all of whom he loved dearly, especially his wife, Jeanne.

A memorial service was held at Covenant Presbyterian Church at 2:00 p.m. on Saturday, December 14th, followed by a reception at the church.

James Crivello, 1940 - 2015

It is with great sadness that we report the passing of James Crivello, professor of chemistry and chemical biology on February 25, 2015.

Dr. Crivello joined Rensselaer in 1988 after completing a very successful industrial career of 22 years at the General Electric Research and Development Center, where he was elected a Coolidge Fellow. Throughout his career at Rensselaer, he has been a valued and productive researcher and teacher in the areas of organic chemistry and synthetic polymer chemistry. His contributions in the field of additive manufacturing and 3D printing remain very influential; his invention of a new class of photoinitiators, also known as 'Crivello Salts,' designed for inducing cationic polymerization of epoxy resins, opened the door for the first wave of additive manufacturing systems. Most of the current 3D imaging and printing technology in use today employs epoxy resin technology and cure chemistry based on work done in his laboratory. A measure of his scholarly activity is demonstrated by more than 330 publications, 144 patents, 15 book chapters, and three books to his credit.

During his industrial career, Dr. Crivello received numerous awards recognizing the importance of his work, including two IR-100 awards by Research & Development magazine. For the 50th anniversary of the Journal of Polymer Science, the editors selected Dr. Crivello's paper on the photodecomposition of sulfonium salts as a means for microelectronic patterning and additive manufacturing as one of the 50 most influential papers that had been published in that journal since its inception.

In addition to his research activities, Dr. Crivello also served the polymer community through his participation as a member at large of Polymeric Materials: Science and Engineering (PMSE) in the American Chemical Society (ACS), and by organizing and teaching several short courses and workshops on radiation curing of coatings. For many years, he served as an Associate Editor for Chemistry of Materials, a flagship ACS journal in the interdisciplinary area of chemistry and materials. He was elected a fellow of the PMSE and also named a fellow of the ACS. In 2014 he was honored with the Tess Award at the annual ACS meeting for his significant contributions to coatings science technology and engineering.

Dr. Crivello received his B.S. in chemistry from Aquinas College and his Ph.D. from the University of Notre Dame for his work in organic chemistry.

Ronald K. Eby, 1929-2006

Elected POLY Positions
Chair, 1987
Chair-Elect,1986
Vice -Chair, 1985

Dr. Ronald K. Eby, 77, passed away on Tuesday, June 27, 2006 due to complications arising from congestive heart failure. Dr. Eby was the Robert C. Musson Professor of Polymer Science (Emeritus) and an Ohio Eminent Scholar (Emeritus) at the University of Akron. His interests covered the physics of polymeric materials, including the structure, morphology, and properties of plastics, rubber, advanced fibers, silks, laminates and composites. His research areas included physical acoustics, non-destructive evaluation, microscopy, X-ray scattering, thermal analysis and computer modeling. Professor Eby was the author of more than 185 publications. In his academic career, he guided more than 35 students to graduate degrees. Before starting at the University of Akron in 1990, he was a Professor of Materials Science and Engineering at Johns Hopkins University for six years. Prior to joining the university, he was employed for 21 years in the Polymers Division at the National Bureau of Standards (now the National Institute of Standards and Technology) in Gaithersburg, MD. He served as Chief of the Polymers Division for 16 of those years, and he was a Charter Member of the U.S. Government's Senior Executive Service. Immediately following his graduate work and receiving his Doctorate of Philosophy degree in Physics from Brown University, he was employed at the DuPont Experimental Station in Delaware for six years. His Bachelor of Physics degree was from Lafayette College.

Professor Eby was widely honored in his field. He received the Alexander von Humboldt Senior Research Award, the International Research Award of the Society of Plastics Engineers, and the Japanese Government Research Award. He was a Fellow of the American Physical Society, the Acoustical Society of America, the Society of Plastics Engineers, and the North American Thermal Analysis Society. He served as chair and division councilor for the American Physical Society Division of Polymer Physics, as chair of the American Chemical Society Division of Polymer Chemistry, and as chair of the ASTM Committee D20 on Plastics. He served for 23 years as the North American Editor for Polymer and on the editorial boards of several other journals.

Professor Eby was recently recognized by the National Institute of Standards and Technology as an NBS/NIST Distinguished Scientist and Administrator. He was also awarded the Meritorious Service Medal of the Department of Commerce. He was a member of the 1970s U. S. Agency for

International Development team which established standards for Korea and Thailand, and which led to the establishment of the Korean Advanced Institute of Science and Technology.

Professor Eby's love for teaching and mentoring led to the establishment, in 1999, of the Professor Ronald K. Eby Award in Polymer Science for graduate students at the University of Akron. The careers of many notable scientists and students in the field of polymeric materials were profoundly impacted by Ron Eby's advice, mentorship, networking, and advocacy. His kindness and his great humor have left an indelible mark on all who knew and loved him.

He is survived by his wife Barbara, and by his sons Ronald Jr. and Douglas, both of Bethesda, Maryland, as well as five grandchildren.

Reported by (7/06)

Stephen Z. D. Cheng
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Former POLY Assignment(s) : Chair ,1987, Chair-Elect,,1986, Vice -Chair, 1985, Chair Nominating Comm., 1989, General Chair Macromolecular Secretariat Symposium, Joint ACS, APS, SPE , 1978, Editor, Durability of Macromolecular Materials, ACS Symp. Series/SPE Book, 1979, Co-organizer Symp. on Computer Modeling of Polymers in The Solid State, (ACS-APS joint), 1995, Co-Chair Symp. Opportunities & Needs in Polymer Science for Measurements, Standards, & Future Technologies, 2001, Div.Representitive and Signatory at Creation of Pacific Polymer Federation, 1987.

Message: I am proud of my various affiliations with the Division of Polymer Chemistry. I had a paper in the 3rd volume of Polymer Preprints and many since then.

Richard Farris, 1936 - 2010

Richard J. Farris, a graduate professor whose scientific imagination, exactitude and intensity inspired his students, colleagues and family, died on Tuesday, May 25, 2010, in Leeds. He was 73.

Born in Williston, N.D., on July 6, 1936, Professor Farris was the son of Lebanese/Syrian parents, the late Sophie Bunijm George and the late John A. Farris. He grew up in Williston and Sacramento, Calif. He joined the U.S. Navy, where he was trained as an aerographer's mate, studying meteorology and oceanography at the Naval Air Station in Norman, Okla., and Lakehurst, N.J. He was stationed in the Philippines and San Diego, Calif.

After his naval discharge, he met Kathleen McGagin while she was attending Sacramento State College. They married in August of 1959 in Fresno, Calif., celebrating their 50th wedding anniversary last year.

In 1959, Professor Farris was hired by Aerojet, a rocket and missile manufacturer near Sacramento. Initially employed as a weather forecaster, he soon began working as a laboratory technician and then as a physicist involved in the development of solid rocket fuels. He earned the first of his U.S. patents in 1968, and though he had no undergraduate degree, gained admission to the graduate program at the University of Utah where he received both his Master's (1969) and PhD (1970) degrees in civil engineering, and was named the Outstanding Student of the Year by the American Institute of Aeronautics and Astronautics. In 1970 he returned to work at Aerojet as a senior engineering specialist and later began lecturing at the University of California, Davis.

In 1974, he accepted a faculty appointment at the graduate program in the Department of Polymer Science & Engineering at the University of Massachusetts in Amherst. There he joined an enthusiastic assembly of polymer researchers, many of whom would become lifelong friends.

His research interests included experimental mechanics, high performance fibers, rubber elasticity and thermodynamics, particulate composites, and recycling of elastomers, such as tires.

During his 33 years at UMass, Dr. Farris graduated over 60 Ph.D. candidates, numerous Master's candidates, and hosted dozens of postdoctoral associates, visiting professors and scientists from around the globe. He authored over 300 research publications and held 16 U.S. patents. He served as department head for years and was promoted to Distinguished University Professor in 1991. He retired in 2002, but remained active with the department and other consulting ventures.

He consulted, conducted research and served on advisory committees for numerous government agencies, including NASA, branches of the U.S. military, the National Science Foundation, as well as private industry. During his career, Dr. Farris received many professional awards, including the UMass Samuel F. Conti Faculty Fellowship Award (1991), the Roon Award of the Federation of Societies for Coating Technology (1998), the Malcolm Pruitt Award of the Council for Chemical Research (2003), the George Stafford Whitby Award for distinguished teaching

and research (2005), and the Founder's Award from the Society of Plastics Engineers (2006). He nevertheless was most proud of the postgraduate accomplishments of his students.

He will be sadly missed by those he leaves behind, including his wife of over 50 years, Kathleen M. Farris, of Leeds; four daughters, Jennifer Farris and son-in-law Rab Terry of San Francisco, Calif., Teresa Farris and son-in-law Chad Kindregan of Topsfield, Mary Farris and son-in-law Philip Dietz of Cincinnati, Ohio, and Melissa Farris and son-in-law Graham Caldwell of Brooklyn, N.Y. He was a magical grandfather to Zachariah and Riley Dietz and Mia Farris Kindregan. He is also survived by two sisters, (Mary) Jean and brother-in-law Robert Brine, and Carole and brother-in-law David Sharkey, both from California. The funeral will be held at St. Elizabeth Ann Seton Church, 99 King St., Northampton, MA.

Paul J. Flory, 1910-1985

POLY Chair - 1953
Nobel Prize in Chemistry, 1973.

THE PAUL J. FLORY POLYMER EDUCATION AWARD, awarded by the Division of Polymer Chemistry, is to recognize, encourage, and stimulate outstanding achievements by an individual in promoting undergraduate and/or graduate polymer education.

George N. Foster, -2016

George N. Foster, Jr., 78, of Hacksneck, VA passed away on September 13, 2016. Dr. Foster, Jr. attended the University of New Hampshire and then Virginia Tech, where he received a PhD in Chemical Engineering. He worked for Union Carbide (Bound Brook, NJ) during his 37 year career in the polymer science field, receiving numerous patents and teaching engagements for his work. He retired in 1999. Dr. Foster was a member of the American Chemical Society for 53 years and a Division of Polymer Chemistry member for 32 years.

Dr. Foster bequeathed $2,000 to the Division of Polymer Chemistry to support POLY education. POLY holds two annual symposia for outstanding undergraduate and graduate students. These symposia have an excellent track record of fostering polymer education and promoting excellence in polymer research. Dr. Foster's bequest will be used to support these two symposia.

The 14th "Excellence in Graduate Polymer Research" and 13th "Undergraduate Research in Polymer Science" symposia will be held at the Spring ACS National Meeting in San Francisco, CA, April 2017. The purpose of the symposia is to provide recognition to outstanding graduate and undergraduate students in polymer science and engineering, foster networking and exposure, and help develop the careers of future leaders in the field. Organizers publicize the symposia by inviting universities to nominate outstanding students to speak on their polymer science and engineering research. The program includes oral and poster presentations and features a career panel of successful POLY members who highlight graduate opportunities and careers. The 2017 graduate symposium will have a record 34 oral and 19 poster presentations and the undergraduate symposium will host 13 oral and 33 poster presentations from 30 institutions across the nation.

Norman G. Gaylord, -2007

Norman G. Gaylord, a versatile industrial chemist and long time member of the Division of Polymer Chemistry, died September 18 in Boynton Beach, Fla. He was 84.

Dr. Gaylord developed a rigid material, siloxane-methacrylate, that was both permeable and suited to the production of lenses.

Joseph C. Salamone, a polymer chemist and former vice president of research for Bausch & Lomb, said that Dr. Gaylord's experiments had been "critical to the development of novel materials, and through them he became a pioneer at the beginning of a new field."

From the Gaylord Research Institute, his laboratory in New Providence, N.J., Dr. Gaylord also worked on rubbers and resins, films and fabrics for industrial and commercial applications.

With Norbert Bikales and Herman F. Mark and others in the 1960s and '70s, he edited a standard series of reference books for chemists, The Encyclopedia of Polymer Science and Technology: Plastics, Resins, Rubbers and Fibers.

Norman Grant Gaylord was born Norman Grant Goldstein in Brooklyn, and legally changed his name in the 1940s. He graduated from City College of New York and went on to earn a doctorate in polymer chemistry from the Polytechnic Institute of Brooklyn in 1950.

Dr. Gaylord conducted research for DuPont, the Western Petrochemical Corporation and the Interchemical Corporation before founding his laboratory. He later taught chemistry and advised graduate students at Drew University in Madison, N.J. In 1985, the American Academy of Optometry gave Dr. Gaylord its Founder's Award in recognition of his work on rigid contact lenses.

Many of the older members of our Division will remember seeing his signature purple shirt in the front row of the Gordon Conference on Polymers.

Conveyed by Professor James A. Moore, Rensselaer Polytechnic Institute

John Fredrick (Jack) Hamilton, 1928 - 2009

HAMILTON, JOHN FREDRICK (JACK) - Knoxville, TN died on December 16, 2009 of natural causes at his home.

Born March 19, 1928 in Knoxville, Tennessee to Ruth Lyon Hamilton and Frederick Ward Hamilton. He attended Knoxville High School and the University of Tennessee. At the University he was a member of the Sigma Chi Fraternity. Omicron Delta Kappa Honorary Fraternity and The Scarabbean Society. He was president of his senior class, a Torchbearer, chosen to be The Volunteer, the outstanding member of the junior class by the outgoing senior class, and received the Omicron Delta Kappa award for the outstanding member of the senior class. He graduated in 1950 with a degree of Bachelor of Science in Engineering Physics. He married Eleanor Lyle of Rogersville, Tennessee, who became the mother of his three children.

He was employed from 1950 to 1986 as a research physicist in the Research Laboratories of the Eastman Kodak Co. in Rochester, New York. His research was in the Theory of the Photographic Process, in attempts to find a replacement for silver salts in this process, in the properties of small clusters of metal atoms and in catalysis. He was one of the world's foremost expert on the theory and mechanism of the photographic process. He published over ninety-five technical papers, chapters in scientific journals and books, and wrote an additional eighty internal technical reports. He also presented over fifty invited lectures in the United States and abroad. He held membership in Sigma Xi, The Electron Microscopy Society of America, The American Vacuum Society, The Royal Photographic Society, and was a Fellow of The Society of Photographic Scientists and Engineers, The American Association for the Advancement of Science and The American Physical Society. At the time of his retirement he held the position of Research Fellow, the highest in the Kodak Research Laboratories in the non-management track.

He also was a member of the Adjunct Faculty at both the University of Rochester and The Rochester Institute of Technology, where he taught courses from time to time.

In 1978 he was married to Anne Robinson Howard of Knoxville Tennessee, who died of cancer in 2001. In 1990 the Hamiltons moved to Kiawah Island, South Carolina, where Jack was active in matters having to do with wildlife and nature. He was a member of the Kiawah Island program for protection of Sea Turtles and for several years led that program. He has had an abiding interest in duplicate bridge and in 2003 became both Life Master and Bronze Life Master in The American Contract Bridge League.

Jack is survived by his wife, Ann Gordon Dempster Hamilton, formerly a high school and college sweetheart in Knoxville, Tennessee, to whom he was married in 2002. The Hamilton's returned to live in Knoxville in 2007. He is also survived by a daughter, Martha Hamilton of Norco, Louisiana; two sons and daughters-in-law: Joseph W. and Katie Hamilton of Tulsa, Oklahoma and Thomas L. and Christine Hamilton of Mahopec, New York; two granddaughters, Jessica Hamilton and Raena Hamilton; one grandson, Ian Hamilton; stepchildren Martha and Mike Ayres, Dallis and Lewis Howard Jr., Kittrell Smallman of Knoxville, Cathy Howard of Mountain View California, Joseph Dempster Smallman of Atlanta, Rob Gielsesman of Santa Rosa California and nine great grandchildren and a special friend, Mrs. Nancy Hall of Kiawah Island, SC.

Jacks body was donated to medical research. The memorial service was held on December 28 at the Church of Ascension, 800 South Northshore Drive Knoxville, TN.

Allan S. Hay, 1929-2017

Allan S. Hay passed away peacefully on August 14, 2017. He was born on July 23, 1929 in Edmonton Alberta, Canada the son of Stuart L. Hay and Verna Emila (Hodgins) Hay. He received a B.Sc. and M.Sc. from the University of Alberta (1950, 1952), and a Ph.D. in Organic Chemistry from the University of Illinois in 1955. Later that year, he moved to Niskayuna, New York and joined the staff of the GE Research Laboratory as a research chemist. In 1964, GE announced Dr. Hay's invention of "polymerization by oxidative coupling," a basically new chemical technique for synthesizing polymers which led to the development of GE's PPO® and Noryl® thermoplastic resins, one of the five major engineering plastics. PPO and its blends now have worldwide sales of over $1.5 billion. In 1968 he was promoted to Chemical Laboratory manager, and in 1980 he was appointed Research and Development Manager, Chemical Laboratories at the GE R&D center in Niskayuna, where he directed the work of 220 scientists. At this time he oversaw the development and commercialization of ULTEM®, a high temperature polyimide resin.

He retired from GE in 1987 and started his second career as a professor of polymer chemistry at McGill University in Montreal, where he directed the research and supervised the training of several dozen masters, doctoral, and post-doctoral students. He held the GE/NSERC Chair of Polymer Chemistry (1987-95), and Tomlinson Chair in Chemistry (1997-2014). He retired from McGill in 2014 and moved back to Niskayuna. Dr. Hay has published over 300 papers in international peer-reviewed journals and was an inventor on over 100 U.S. patents. He received numerous awards over his career, including the prestigious Society of Plastics Engineers International Award and Gold Medal, and was a delegate to the First Bilateral Symposium between the U.S. and The Peoples Republic of China in 1979, the first group of western scientists to visit mainland China. He was a fellow of the New York Academy of Sciences, the American Association for the Advancement of Science, the Royal Society of London, and the American Institute of Chemists. He was also a long-standing member of ACS, POLY, and PMSE for over 65 years.

He was predeceased by his wife of 48 years, Janet Hay, in 2004, and is survived by his children, Randall (Theresa) Hay of Dayton, OH; Bruce (Nanette) Hay of Niskayuna, NY; Lauren (William Battaglin) Hay of Golden, CO; and Susan (Michael Becker) Hay of Portland, OR; sisters, Margaret Cameron and Denise (Walter) Schmidt of Edmonton; three nieces and nephews, and 10 grandchildren.

Dr. Hay had a clear passion for science and mentoring younger colleagues. He also loved

spending time at his second home in Glenburnie on Lake George, where he enjoyed reading, gardening, hiking, and outdoor activities with family and grandchildren.

Charles E. Hoyle, 1948-2009

It is with great sadness that we relay the unexpected passing on September 7, 2009 of Dr. Charles E. Hoyle, a pioneer and leading scientist in the photopolymerization and photochemistry fields. Charlie received a B.S. degree in Chemistry from Baylor University in Texas in 1972. He subsequently obtained Masters and Doctorate degrees in Chemistry under the direction of Professor Fred Lewis at Northwestern University, concentrating on small molecule photochemistry. After spending almost two years at the University of Toronto in Jim Guillet's lab dealing with polymer photophysics, he joined Armstrong World Industries in Lancaster, PA in 1978 where he investigated polymer photodegradation and photoinitiated polymerization. In 1983, he came to the University of Southern Mississippi, where he obtained dual appointments in Polymer Science and Chemistry. During his 25-plus years at the University of Southern Mississippi, he focused on all aspects of polymer photochemistry and photophysics including photopolymerization, photodegradation, polymer luminescence, and laser flash photolysis. He earned world-renown as a photo-chemist with special emphasis on the photochemistry and photophysics of polymers in which he studied the interaction of light with polymer molecules and also the use of light to initiate the formation of polymers. He is the author of more than 160 refereed publications. His work has been cited nearly 2500 times.

Charlie Hoyle represented the kind of person that we should all aspire to be, on both the personal and professional sides of our lives. Charlie was a dedicated and caring teacher and mentor to undergraduate and graduate students alike. He will be remembered for his honesty and fairness and also his passion for thoroughly educating students by challenging them while maintaining a pleasant environment for learning. His enthusiastic, insightful and creative tendencies enabled him to solve some of the most critical and compelling fundamental and applied problems in the radiation curing field. Yet, despite his own success and status in the field, Charlie was one of the kindest, most humble and caring individuals that one could ever hope to know. He was always the first to praise and encourage others whether those others were his own students, other students, his colleagues or those striving to understand the field of polymer photophysics and photochemistry. He was a tireless laborer in organizing meetings and symposia and actively pursued academic-industrial collaborations with the insight that contributions from both sides were critical. Charlie is survived by his wife, Karen, and their two adult children, Abbie and Austin. He will be missed by all those who knew him.
Visitation will be on Friday, September 11th from 12 until 1:30 PM at the Temple Baptist Church, East Campus in Hattiesburg and funeral services will begin at 1:30 PM. Flowers for the church service should be sent directly to Temple Baptist Church, 1508 Hardy St, Hattiesburg MS 39401

A student scholarship fund has been set up with the USM Foundation. Checks should be made out to: USM Foundation, assigned to Dr. Charles E. Hoyle Memorial, and sent to Ms. Candy Sigler, Administrative Assistant to the Director, School of Polymers and High Performance Materials, The University of Southern Mississippi, 118 College Dr., #10076, Hattiesburg, MS 39406-0001

Relayed by Dr. Robert Lockhead 9/10/09

Samuel J. Huang, 1937-2010

Dr. Samuel J. Huang, of Hampton, beloved husband, father, and brother, passed away on April 23, 2010 after a short and courageous battle with colon cancer. Dr. Huang passed peacefully with his family by his side.

He was born in Canton, China on March 14, 1937 and grew up during tumultuous times. The family fled main land China during World War II and took refuge in Hong Kong. After the war, the family settled in Taiwan, where Dr. Huang attended and graduated from Taiwan National University. He immigrated to the United States in 1961 and received his Ph D. in polymer chemistry from Brooklyn Polytechnic Institute. He followed his degree with a one-year post-doctoral fellowship at the University of Illinois.

In 1964, Dr. Huang accepted a position with the University of Connecticut as an assistant professor of chemistry. Over a 39-year career, he was the author or co-author of over 190 papers in peer reviewed journals, editor or co-editor of 4 books, and was the major advisor of 52 Ph D. students and 30 post-doctoral fellows and visiting professors. Dr. Huang was an internationally renowned pioneer in the biodegradable polymers and materials field. He was a leader in the area of biodegradation of polymers in the 1970's, biodegradable polymers in biomedical applications in the 1980's, and biodegradable polymers from renewable resources for environmentally compatible consumer products in the 1990's. Dr. Huang's students are now major contributors in these fields in both academic and industrial laboratories. He was the founding Director of the graduate level Polymer Program at the University of Connecticut, which now includes 14 faculty and about 80 graduate students and postdoctoral research associates and ranks among the top programs in the country.

He founded the Environmentally Degradable Polymer Society in 1992. Dr. Huang's family knew him as a gifted scientist, but also as an immensely creative and artistic person. His creativity came through in everything he touched, including the fabulous seafood dishes he cooked for family and friends. Dr. Huang also loved his garden and being near the water. Many days, he could be found minding the raised beds he built to grow snow peas, peppers, and Chinese broccoli, or walking along the edge of the stream that ran by his home. He was a huge fan of U-Conn basketball, particularly the women's team. A frequent traveler, Dr. Huang enjoyed frequent trips to Italy and Carmel, California.

Dr. Huang leaves behind his wife, Phoebe Huang, of 41 years, 2 children, and 3 siblings. Left behind are his son, Min Huang of Columbia, his daughter, Wendy Waszmer of Washington DC, and his sisters, May Huang of New Brunswick NJ, Sufenne Hung of Knoxville TN, and brother, Paul Huang, of Atlanta GA.

Jesse C.H. Hwa, 1924-2005

Elected POLY Positions
Chair, 73
Secretary, 69-71
Vice Chair, 72
Councilor, 75-86

Jesse Hwa passed away on July 2nd in Stamford, CT. Jesse battled cancer for the previous 18 months and is now at peace. Jesse was a leader of our professional society and a strong contributor to polymer science and engineering.

In 1991, on the occasion of the 40th anniversary of POLY, he compiled an exhaustive and most useful Division History which was published in Polymer Preprints, vol. 32, No. 2, May 1991, pp. 311-417, and also as a separate booklet.

Jesse divided his historical account into three periods: a) early years (1951-1965), b) transition and growth (1966-1975), and c) expansion and strengthening (1976-1990). He covered in detail the organization and business management, technical programs, educational and publication activities, awards programs, and countless notable events within and outside the American Chemical Society.

He was truly a faithful member of POLY, a pioneer in more than one way, a great friend and colleague.

(From the Polymer Chemistry Newsletter, Fall 2005 Contributed by Val Metanomski and H. N. Cheng)

IN MEMORIAM JESSE C. H. HWA

It was with great sadness that POLY noted the passing of Dr. Jesse Hwa, former POLY Chair and a strong supporter of POLY, on July 2, 2005.

Jesse received his B.S. with Honors degree from the St. John's University, Shanghai, China in 1945, and M.S. and Ph.D. in 1947 and 1949, respectively, from the University of Illinois at Urbana-Champaign. He worked for the Rohm and Haas from 1949 to 1963 and for the former Stauffer Chemical Company from 1963 to 1985 in various research and management capacities.

Jesse had been President of Hwa International, Inc., Stamford, Conn., since 1985. He had published 30 articles and 47 U.S. patents. His first paper (1950), coauthored with Carl Marvel, future first POLY chair in 1951, was on the addition of 1,3-butadiene to propionitrile, and his first patent (1953) was on anion-exchange resins.

Jesse was a mainstay of POLY and an innovator. At various times, he served in education and membership committees (1960s), as secretary (1969-1971), councilor (1975-1986), chair (1973), and historian (1988-1990). As councilor, he was a member of the Council/Board Joint Committee on International Activities (1975-1983), chair of Division Councilors Caucus (1976-1983), chair of Division Officers Group (1978), among other activities. In 1986, Jesse received a well-deserved POLY Distinguished Service Award.

His most enduring contribution to POLY and in fact an admirable legacy is the Division History (1951-1991), published on the occasion of the 40th anniversary of POLY. Jesse covered in detail the organization and business management, technical programs, educational and publication activities, and documented countless notable events within and outside the ACS. The History is remarkable for being an account of many personal trials and tribulations written by a participant and a witness, who enjoyed collecting remembrances, anecdotes, and stories. Just one example in Jesse's own words:

"A business meeting was held in 1968 in the chairman's hotel room. Honestly, the room was not very big. We had to sit on the floor and lean against the wall or the bedpost and somehow survived those hours of semi-torture. At the end of the meeting someone got wise and said, "Maybe we could ask ACS to give us a meeting room next time."

In addition to POLY and ACS, Jesse was also active in other scientific, professional, business, and ethnic organizations. A particular achievement was the conception and founding of the Chinese American Chemical Society (CACS). Many of us at POLY have always admired his ability and energy. He will be greatly missed.

Anyone wishing to contact the Hwa family may write to doloreshwa@optonline.net.

Stanley C. Israel, 1942-2003

At the POLY Board meeting in Anaheim, CA, March 27, 2004, a memorial book was given to Sonja Israel by Chair Ken Carter. The book contained remembrances written by Stan's friends and fellow POLY members.

Sonja Israel and Ken Carter in Anaheim
November 3, 2003

Dear Members of the Polymer Chemistry Community:

Today we mourn the sudden, unexpected loss of our dear friend and colleague, Stanley C. Israel. Stan died in his home early Sunday morning from a heart attack. He was 61.

Stan, the Dean of the College of Science at Texas State University - San Marcos, spent a career dedicated to education, research and the advancement of science. He received a bachelor's of science degree from Parsons College/University of Iowa in 1965 and then went on to obtain his doctorate from the Lowell Technological Institute in 1970. He started his professional career at the University of Massachusetts, Lowell in 1968 as a lecturer, eventually joining the faculty as an assistant professor in 1972. He spent the next 25 years with the Department of Chemistry at the university, eventually becoming department head (1992-97). Stanley then accepted the position of Dean of the College of Science at Southwest Texas State University (now Texas State University) in San Marcos, while retaining his status as Professor Emeritus at Lowell.

Stan has been a constant leader within the Polymer Chemistry community and an active participant within the American Chemical Society. Stan's tireless service to the Division of Polymer Chemistry spans nearly 30 years. He began in 1974 as Membership Committee Co-Chair and as a member of the Education Committee. He has since held many of the most important positions within POLY. Stan was POLY Treasurer 1979-1984, Vice Chair 1987, Chair Elect 1988, Chair 1989, and Councilor 1990-2001. He was a founding member of the POLYED Education Committee and since 2000 has served as Editor of Polymer Preprints. As Preprints Editor he played a key role in the transition from paper to CD. Since 2001, Stan had increased his activities with the governance of the American Chemical Society, having been elected to the ACS Board of Directors where he held the position of Chair of several committees (Grants & Awards, Taskforce on Minorities in Academia, and Taskforce on Continuing Chemical Education).

Stan is survived by his wife, Sonja, and their son, Aaron. As many of you may know, Sonja was extremely supportive of Stan's efforts with the Division and had helped Stan back in the 1980s in creating a sound accounting system for POLY. Our thoughts and sympathies go out to the Israel family during this difficult time.

Funeral services will be held on Tuesday, November 4, 2003, at 1:45 p.m. at Gutterman's Funeral Home, 175 Long Beach Road, Rockville Center, NY (516-764-9400). The family has asked that in lieu of flowers, memorial donations be made to the Stanley C. Israel Memorial Fund in care of the Texas State University Development Foundation, 601 University Drive, San Marcos, Texas 78666. We anticipate that a memorial service will also be held later at Texas State University, although arrangements for this service are pending.

Stan had a clear vision and great enthusiasm for the Division of Polymer Chemistry, for the ACS, and for life. We have lost a tireless and devoted POLY, ACS executive and a great friend.
Sincerely,

The Executive Committee
ACS Division of Polymer Chemistry

To view the text of the eulogy given by Ken Wynne, POLY Chair, click here.
From Pat Cassidy, November 6, 2003

A memorial service for Dr. Stanley C. Israel will be on the campus of Texas State University at the University Performing Arts Center at 10:00 a.m. on Thursday, November 13, 2003.

Parking near UPAC is very limited. Accommodations have been made for faculty and staff to ride the Campus Loop shuttle route to and from the service. Campus Loop buses can be boarded in front of Commons, on Bobcat Trail, or at the LBJ Student Center.

The family has asked that in lieu of flowers, memorial donations be made to the Stanley C. Israel Memorial Fund in care of the Texas State University Development Foundation, 601 University Drive, San Marcos, Texas 78666.

From Ken Wynne, Chair, November 2, 2003.

Early this morning I received terrible news. Stan Israel died early this morning (Sunday morning 2 Nov). I have sent out an earlier notice to the ExCom, but Stanley had many friends at many levels and I felt I ought to send a message to our poly list.

Stanley was POLY Treasurer 1979-1984, Vice Chair 1987, Chair Elect, 1988, Chair 1989, and Councilor 1990-2000. As Preprints Co-Chair he played a key role in the transition from paper to CD. Stanley had a clear vision and great enthusiasm for the Polymer Chemistry Division, for the ACS, and for life. We have lost a great friend, a tireless and devoted POLY and ACS executive.
Please note: Sonja Israel has requestied that the family would prefer not to receive flowers. Donations to the Stanley C. Israel Memorial Fund at Texas State University are preferred.
From Charles Carraher, November 3, 2003

Words do not reflect the true value of Stan to the polymer community and greater society. Each of us have seen these contributions a little differently with the sum more truly reflective of his life as a scientist and human being. His research is often overlooked because of his political activities, but it was significant. Along with Eli, Joe and myself, he was one of the founders of PolyEd. Even after the birthing process, he remained active protecting "his offspring" and helping guide in its growth. He headed the effort to have a full page polymer activities in national newspapers years ago as part of the Chemistry Week efforts. Etc. More recently, he invested effort in IPEC allowing us to contribute to the overall literacy of the American society. Recently, he was also active in drawing the chemistry community to a greater awareness and activity in creating an even playing field for minorities and women. Thus, his political ventures were aimed at activities that helped the polymer community, but also the greater community within which each of us abide.

We will miss Stan. I will miss him as a good friend and fellow sojourner in the effort to leave our community in a better shape than when we arrived.

From Reddy Venumbaka, November 3, 2003

It was sad and shocking news. Stan was a good friend, a hard working scientist and a leader. I came to know Dr. Israel quite well after he joined our university as Dean of the College of Science in 1997. As the Director of the Institute for Environmental and Industrial Science (IEIS) and the Associate Editor of Polymer Prints, I had the opportunity to work with him closely and I found that he was truly exceptional. We discussed some ideas about Polymer Preprints on Friday, October 31st before he went home, and now he is no more.

The next issue of Polymer Preprints (Spring 2004) is currently being processed for publication. Please send me your thoughts and ideas that will enable us to incorporate memories of Stan into this issue.

From James Shoffner, ACS Board of Directors, November 2, 2003

Stan Israel died early this morning at his home in Austin, Texas of a massive coronary. Stan was a Director-at-Large, fellow board member and very good friend. He was always in the forefront of progressive causes, afriend of both divisions and local sections and any measures that would move the Society forward. I Know I will miss him and all of the support that he gave to minority issues, gender issues and human rights issues.

From Val Metanomski, November 3, 2003

My first reaction has been a shock. Stan was a personal friend of mine and we had often talked about many of his ideas and projects for the ACS and the Polymer Chemistry Division, in particular, which extended far into the future. That happened at the most recent IUPAC meeting in Ottawa and the ACS National Meeting in New York as well.

It should be our goal to carry on some of this work.

My second reaction is a wish to commemorate his countless contributions, especially to POLY. Obviously, there will be memorial services and tributes paid to Stan by the universities he was associated with, by the ACS Council, and by numerous friends and colleagues.

When expressing condolences to Sonia, POLY should also remember than Sonia had helped Stan back in the 1980s in creating a sound accounting system for POLY, and no doubt had supported him in other endeavors.

From Akihiro Abe, November 4, 2003

It was really a sad news. Stan was one of my closest friends in the polymer society. He helped us a lot in establishing a variety of international programs such as US-Japan, Pacific Polymer Federation (PPF), etc. The last opportunity I saw him was at the ACS fall meeting in New York. I can hardly believe this sudden dark change.

He had an excellent general knowledge and highly refined skills in organizing various scientific activities not only in ACS but also in the world community. Working with him was always highly enjoyable because of his cheerful character. We have lost a great partner!

My wife and I would like to express our heartfelt sympathy to Sonja on her husband's death.
From Dana Garcia, November 5, 2003

The death of Stan Israel is a loss to the entire polymer community. The Division of Polymer Chemistry greatly benefited from his vision, enthusiasm, dedication and hard work. The quality of Polymer Preprints is a testimony of Stan's accomplishments. It has been a privilege to work with Stan on various division activities and most recently on Polymer Preprints. He will be missed by all his collaborators, colleagues and friends.

From Ken-ichi Shida, The Society of Polymer Science, Japan, November 5, 2003

We were deeply shocked to hear of the sudden demise of Professor Stanley C. Israel, an outstanding scientist who made distinguished and historical contr ibutions to the development of polymer science through the activities of the Division Polymer Chemistry, ACS. We would also pay respect to his great ef forts in establishing the Pacific Polymer Federation and his contribution to the good US-Japan relationship among polymer scientists.

The Society of Polymer Science, Japan, would like to express our sincere con dolences to you and Mrs. Israel on his sudden and early death. His name will remain in the memory of our polymer scientists forever.
From James Burke, November 6, 2003

Stan's funeral was conducted Tuesday afternoon in Rockville Center, New York. (Stan, though he had lived much of his adult life in Lowell, Massachusetts and later in Austin, Texas, was forever characterized by his Long Island accent.) Every ACS Board member who could do so - eight of us - attended his funeral and burial service.

Stan will be remembered with great affection. A warm and generous man, he was gifted in many dimensions. By his considerable intelligence, knowledge, and hard work, he became a widely respected polymer scientist and successful educator. With his great wisdom and genuine care for others, he was a valued mentor and advisor for many people. He enjoyed contributing to the success of others. His leadership, common sense, candor, and knack for doing the right thing enabled him to be a highly regarded university administrator. Stan's imagination, high energy, his passion for the chemical sciences and his respect for his colleagues served all of us, and our profession, well. His contributions to the Division of Polymer Chemistry and other ACS Divisions, and to the Committee on Nominations and Elections, over many years were awesome.

Those of us who had the privilege of working with Stan on the ACS Board of Directors will remember him for all the reasons mentioned above, and for more. His sense of integrity was palpable and his friendliness brought us closer together. His mischievous, and sometimes naughty, sense of humor often kept us from taking ourselves too seriously. Moreover, his deep and open affection for Sonja was marvelous to behold.

We have lost a treasure. Stan was an outstanding colleague. His legacy is absolutely impressive. We shall remember Stan and his good works with great warmth and respect, and we shall miss him. Our sympathy and prayers are with Sonja, their son Aaron, their grandchildren, his mother and sister, and his many friends and colleagues in their time of sorrow and loss.

Former POLY Assignment(s) : Editor, Polymer Preprints, Division Councilor 1990 - 2001; Chairman 1989; Chair Elect 1988; Vice-Chair 1987; Program Chair 1984 - 1986; Treasurer 1979 - 1984

Harold Jabloner, 1937-2005

Dr. Harold Jabloner passed away on October 3, 2005 at the age of 67.

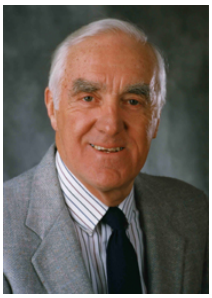
Hal received his B.S. degree from the City College of New York and his Ph.D. from Brooklyn Polytechnic (now Polytechnic University) in New York in 1963. He worked for 37 years at Hercules Incorporated where he held the position of Distinguished Scientist, the highest technology position in the company from 1988 to 1999. He was a well known polymer scientist with an international reputation. He was the author of 12 publications and over 30 patents, and made numerous contributions throughout his career in both R&D and management functions. Among his notable achievements were his fundamental studies of polyolefin oxidation, the invention of the H-resin, a thermosetting polymer for aerospace application, and his leadership of a team that developed a family of high performance resins for carbon fiber composites. His technical expertise was broad, covering aerospace, composite materials, synthetic pulp, asphalt additives, artificial sweeteners, paper chemicals, medical devices, and anti-cancer materials.

In his long and distinguished career, Hal always maintained his creative edge and continued to run an active synthetic lab until his retirement. In his role as supervisor, manager, and senior scientist, he inspired and mentored two generations of younger scientists. His former colleagues at Hercules remembered fondly his enthusiasm, his dedication to work, and his unquestioned brilliance.

In addition to his scientific work, Hal was active in professional affairs. He was a member of the American Chemical Society and a member of the panel of scientific expertise for National Science Foundation. He was involved in the Polymer Chemistry Division of the American Chemical Society, serving as Member-at-Large in 1994 and Alternate Councilor from 1997 to 1999.

He is survived by his three children from his first marriage, which ended in divorce. In 1996 he married fellow polymer chemist Dr. Anne Boyd, who survives him; they resided in Landenberg PA.

Robert Lenz, - 2010



Robert (Bob) Lenz, one of the founding members of the Polymer Science and Engineering Program at the University of Massachusetts, died Friday, July 2, 2010.

Bob, as he was known to all, was a distinguished polymer chemist who had worked in industry before joining the faculty at UMass Amherst in 1966 as one of the founding faculty of the Polymer Science and Engineering program. He retired in 1995.

As well as being an outstanding scholar, he was a remarkable mentor and distinguished educator. He is known for his pioneering work in liquid crystalline polymers and bacterial polymers. His textbook on polymer synthesis was translated into several languages and set the foundation for the teaching of polymer chemistry. He served for several years as editor of the leading journal of polymer science, Macromolecules.

A great-grandfather, Robert is survived by his wife, Madeleine, and his children Kathy Cunningham, Douglas Lenz, Cindy Goodman and Suzanne Lenz. He is also survived by his brother, Henry, seven grandchildren and one great grandchild. The family has established the Robert W. Lenz Memorial Scholarship fund that will be for the UMass Department of Polymer Science.

Alan MacDiarmid, 1927-2007

Alan G. MacDiarmid, 79, one of three scientists who shared the 2000 Nobel Prize in chemistry for the discovery of polymers that conducted electricity, died Wednesday 7 February of injuries following a fall at home. He had been rushing to catch a plane to fly to his native New Zealand. Characteristically, he was active in research to the end.

Alan was Blanchard Professor of Chemistry at the University of Pennsylvania since 1955. He shared the 2000 Nobel Prize "for the discovery and development of conductive polymers" with Alan J. Heeger, now at the University of California at Santa Barbara, and Professor Hideki Shirakawa, now retired from the University of Tsukuba in Japan. The discovery reflected Alan's inquisitive mind, enthusiasm for exploring new research avenues, and congenial personality that facilitated working on projects that required interdisciplinary efforts.

Alan had first seen films of polyacetylene during a visit to Professor Shirakawa's laboratory in Japan in 1975. He invited Professor Shirakawa to visit Penn so as to learn more about the films that had a remarkable metallic appearance. Within a year, a jointly authored paper appeared that reported a 10,000,000 times increase in conductivity of polyacetylene by partial oxidation with iodine. This paper and subsequent work on conducting polymers was the basis for the Nobel Prize. Among many other awards, Alan received the ACS Award in the Chemistry of Materials in 1999 and the 2002 ACS Nichols Medal Award.

Alan was born in Masterton, New Zealand. In reminiscing, he noted that he had not worn a pair of shoes until he was about 9 years old. He earned bachelor's and master's degrees from the University of New Zealand and doctorates from the University of Wisconsin and the University of Cambridge in England. Alan authored or co-authored 600 research papers and held more than 30 patents. His work in conducting polymers was in some ways a "second career". He was previously active in organosilicon chemistry and won the ACS Frederic Stanley Kipping Award in Silicon Chemistry in 1971.

Alan had a larger-than-life life. He was not only a chaired professor at Penn, but was James Von Ehr Chair of Science and Technology, Professor of Chemistry and Physics, at the University of Texas at Dallas. He held a professorship at Jilin University in Changchun, China.

Many will remember Alan for his warm personality and his exceptional enthusiasm for ... well, everything ... but especially for research ... and for life. A memorial service will be held at 3 p.m. March 2 on the Penn campus at Irvine Auditorium, 34th and Spruce Streets.

Conveyed by Professor Kenneth Wynne

James E. McGrath, 1935-2014

Dr. McGrath, University Distinguished Professor and Ethyl Corporation Professor of Chemistry in the College of Science at Virginia Tech, passed away Saturday, May 24, 2014 after a battle with brain cancer at the age of 79.

Before arriving at Virginia Tech in 1975, McGrath spent nearly 20 years in industry working for companies such as Goodyear and Union Carbide and, as a consequence, the university's Department of Chemistry became one of the first in the nation to establish polymer chemistry as a sub-discipline.

Working with colleagues such as J .P. Wightman, Tom Ward, Don Baird and Garth Wilkes, their collaboration was rewarded in 1989 when the National Science Foundation established the prestigious Science and Technology Center: High Performance Adhesives and Composites, which McGrath directed from 1989 to 2000.

A passionate educator, McGrath taught eight classes and initiated and developed the organic polymer chemistry, polymer laboratory, and synthesis and reactions of macromolecules courses. In addition he taught four different American Chemical Society short courses at Virginia Tech for more than 25 years as well as three National Science Foundation / ACS / Virginia Tech short courses for undergraduate teachers.

“Jim supervised more than 100 graduate students in either chemistry or the MACRO program, and more than 80 postdoctoral scientists—many of whom went on to enjoy illustrious careers in their own right,” said Jim Tanko, professor and chair of the Department of Chemistry. “He was very active in professional service and outreach, and was a giant in the field of polymer chemistry. Jim’s success was our success. In establishing a highly respected and recognized program in polymer chemistry, he elevated the Department of Chemistry as whole to a much higher level. He was a good friend and colleague, a true scholar and gentleman, and he will be sorely missed.”

McGrath authored more than 400 publications and was involved with over 40 patents including those for optical devices from thermoplastic materials; method for making polyimide; highly conductive thermoplastic composites for rapid production of fuel cell bipolar plates; and chlorine resistant desalination membranes.

He was selected to be a member in the National Academy of Engineering in 1994. In 1997 he received the first ever Outstanding Alumni Award from the Department of Polymer Science at the University of Akron where he received his master's degree in 1964 and his doctoral degree in 1967. He was named a Fellow by the American Chemical Society in 2009 and has received a number of awards from the society to include the biennial Charles G. Overberger International Prize for Excellence in Polymer Research in 2013; the George S. Whitby Award for Distinguished Teaching and Research in 2009; Award in Polymer Chemistry in 2007; and the Award in Applied Polymer Science in 2002. In 1997, McGrath was honored as the Virginia Scientist of the Year and was selected by the Society for Plastics Engineers for the Plastics Hall of Fame.

McGrath was an active member of the ACS Division of Polymer Chemistry, elected POLY Secretary in 1978, POLY Chair Elect in 1984, and served as POLY Chair in 1986. He received several POLY awards including the Herman F. Mark (1996), Distinguished Service (1998), Special Service (2003), Paul J. Flory-Polymer Education (2004), and POLY Division Fellow (2010). He developed many of the Divisions successful workshops including Advances in Polymerization and High Performance Polymeric Material (1992), POLY Graduate Research Conference (1996), Advances in Polyolefins (1997-2013), International Workshop on Polycondensation (1998 & 2004), Advances in Polyurethanes (2002), Advances in Materials for Fuel Cells Proton Exchange Systems (2003-2009), PPF Pacific Polymer Conference (2005), and Advances in Materials and Processes for Polymeric Membrane Mediated Water Purification (2009-2013). Many of these workshops will continue to inspire polymer scientists for years to come.

McGrath contributed so much to his scientific field. He will always be remembered as one of the founding fathers of polymer science.

Robert Marchessault, -2015

On September 16, 2015, the day of his 87th birthday, Dr. Robert H Marchessault died peacefully at the Sunrise Residence in Dollard Des Ormeaux QC after a lengthy and courageous battle with Alzheimer's disease. Officer of the Order of Canada, Professor Emeritus at McGill and past vice president of Xerox Research Canada.

Dr. Marchessault was influential in the advancement of scientific research, he was the recipient of the Anselme Payen award (1976) and elected as a fellow to the Canadian academy of science (1982). His life was dedicated to his love of research. He was an ACS member for over 59 years and joined the Division of Polymer chemistry in 1970 and remained a member for 38 years. He had a passionate belief in education that is rooted in the rigors of a given discipline, but that encourages individuals with inquiring minds to seek answers with creativity and in response to the needs of a rapidly changing world.

Dr. Marchessault leaves his friend, partner and wife of 63 years, Mary. Also left to mourn are his children: Robert (Theresa), Nicole, Claude (Denise), Janine (Phil), Kim (Suzanne) and Pierre plus ten grandchildren as well as his brother Doug (Norma) and his ex-son in law Pino Santilli. Many thanks go to the caring staff at Sunrise for their kindness to "Dr. Bob".

W. Val Metanomski, 1923 – 2008

The POLY family mourns the passing of long time POLY friend and volunteer, Dr. Wladyslaw "Val" Metanomski. Val passed away on Thursday, December 11, 2008. He was born October 3, 1923 in Vienna, Austria to the late Justyn and Amelia (Bloch) Metanomski. He received his B.Sc (Eng.) degree in chemical engineering from the University of London, England, in 1952, and M.A.Sc. and Ph.D. degrees from the University of Toronto, Canada, in chemical engineering (1960) and polymer chemistry (1964), respectively. He served as the Senior Scientific Information Analyst in Editorial Operations of the Chemical Abstracts Service (CAS) from 1964 to 2008. He was involved in abstracting, indexing, and naming, especially of polymers, in defining technical content of CAS publications and service, and in a variety of editorial projects for more than 40 years. He presented and published papers on oxidation-reduction polymers, chemical nomenclature, abstracting, indexing, and retrieval of chemical information, often with a historical perspective.

Between 1989 and 1999 he chaired the Nomenclature Committee of the ACS Division of Polymer Chemistry (POLY). In 1991, he initiated the publication of a regular column "Macromolecular Nomenclature Note" in Polymer Preprints. He contributed a chapter on "Nomenclature" to Wiley's "Polymer Handbook" (4th ed., 1999). He received the Polymer Distinguished Service Award in 1995. Val served as POLY Historian, compiling a list of POLY Milestones for the whole period of POLY's existence, which was displayed as a poster at the POLY Millennial 2000 meeting and published in the "Golden Anniversary 1951-2001 ACS Division of Polymer Chemistry, Inc., History Update". Val submitted a regular "POLY History" article for the POLY Newsletter including his last submission in the Fall 2008 edition entitled, "POLY History -- Symposia 50 and 25 Years Ago". In addition, Val served as the Copy Editor for the POLY Newsletter from 2003-2008.

Val was also active in the ACS Division of Chemical Information (CINF), was its chairman in 1987, and received their Meritorious Service Award in 1992 for service to the Division and the profession. For their 50th anniversary, he compiled a booklet on "50 years of Chemical Information in the American Chemical Society, 1943-1993".

He participated in the activities of the International Union of Pure and Applied Chemistry (IUPAC) as a member of their commission on Macromolecular Nomenclature (1987-1999). He served as the Secretary of their Interdivisional Committee on Nomenclature and Symbols

(IDCNS). He edited the IUPAC "Compendium of Macromolecular Nomencalature" (1991) and coauthored a guide to IUPAC recommendations, "Principles of Chemical Nomenclature" (1998).

Val was a member of the St. Andrew Catholic Church, and the Polish-American Community. He was also a WWII veteran of the Polish Army and fought in the Battle of Monte Cassino in Italy. Val's wife of 44 years, Helena, passed away on January 17, 2009. They are survived by daughter and son-in-law, Marianne and Stephen Cincinat; and two grandchildren, Ray Taylor, III and Natasha Taylor. Contributions may be made in his memory to the American Cancer Society, 870 Michigan Avenue, Columbus, Ohio 43215. Visit www.schoedinger.com to send online condolences to the family.

James A. Moore, 1939 - 2017

Professor James A. Moore died Sunday, December 31, 2017, at Albany Medical Center. He was 78. James was born in Brooklyn, and received his Ph.D. at Brooklyn Polytechnic Institute. He continued his post-doctoral studies in Mainz, Germany and Ann Arbor, Mich.

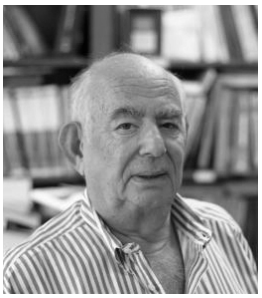
James was an internationally respected scientist with a distinguished career in polymer organic chemistry. He was a professor at Rensselaer Polytechnic Institute from 1969-2014, and a professor emeritus from 2014 through 2017. James' career highlights include 110 research papers published in peer reviewed journals, six books, three review articles and a hundred and one research abstracts. James also received thirteen patents for a variety of innovations throughout his career. James touched the lives of thousands of students, both undergraduate and graduate, and was a respected mentor to many junior faculty members. In 2011, James was elected a fellow of the American Chemistry Society. Jim served as Chairman of the Polymer Chemistry Division (ACS) in 2007. James was an Associate Editor of Macromolecules for many years.

Beyond his esteemed professional career, James was an avid gardener, voracious reader, and a lover of crossword puzzles. He was also passionate about hunting and fishing, and relished the company of good friends and family.

James is survived by his wife of 52 years, Lotte Moore; his daughter, Martina Jones (Steve); his son, Christopher Moore (Faiza); and his two grandchildren, Steffanie and Nicholas Jones. Per his wishes, the family will be holding a private memorial service.

In lieu of flowers, contributions may be made to James Moore Memorial gift fund, c/o Ursula Versala, Institute Advancement, Chasan Bldg., Rensselaer Polytechnic Institute, Troy, NY, 12180, or the American Cancer Society, 1 Penny Lane Latham, NY, 12110.

Eli M. Pearce, -2015



Eli M. Pearce, a past president of ACS and a true champion of the Senior Chemists Committee and all things ACS, passed away on May 18. He was 86.

Eli was POLY Past Chair (1980), long time Councilor, and POLY-Ed chair for the Division and ACS President in 2002.

Eli was a resident of Manhattan and beloved husband of the late Judith Handler Pearce. He is survived by his son, Russell Gane Pearce; his daughter, Debra Pearce-McCall; his stepson, Michael Ruby; his stepdaughter, Elizabeth Ruby Lyden; and 10 grandchildren.

Born (in Brooklyn) Eli Perlmutter to Russian immigrants (Samuel Perlmutter and Sarah Reitzen), Pearce changed his name as a young man to circumvent anti-Semitism in the working world. He received a B.S. degree in chemistry from Brooklyn College in 1949 before serving in the Army during the Korean War.

Pearce earned a Ph.D. in chemistry from Polytechnic Institute of Brooklyn (now NYU Polytechnic School of Engineering) in 1958, studying under polymer chemistry pioneer Herman F. Mark and completing his thesis with Charles G. Overberger. Early in his career, Pearce worked for DuPont, J.T.Baker, and Allied Chemical before becoming director of the Dreyfus Laboratory at Research Triangle Institute. In 1974, Pearce accepted an invitation from Mark to join the faculty at Polytechnic Institute of Brooklyn.

Pearce was named University Professor of Chemistry & Chemical Engineering in 1990; he served as director of the Polymer Research Institute from 1980 until 1996 and as Dean of Arts and Sciences from 1982 until 1990. He published more than 250 papers on his research, which focused on polymer synthesis, degradation, and flammability. Pearce garnered many awards, including the 2006 H. F. Mark Medal from the Austrian Research Institute for Chemistry & Technology. In 2009, he was named an ACS Fellow.

An emeritus member of ACS, Pearce served as the society's president in 2002 and director-at-large on the ACS Board of Directors from 1999 until 2000 and again from 2001 until 2003. He was also a councilor with the Polymer Chemistry Division from 1982 until 1998 and an ex officio councilor from 2004 until 2015. Pearce was a strong supporter of the ACS Committee on Minority Affairs and the ACS Scholars Program and was instrumental in establishing the Senior Chemists Committee.

Eli was extraordinary in so many ways--a brilliant polymer scientist, a great leader at his university and within ACS, a passionate advocate for chemistry education reform, and a man who worked tirelessly his entire life for everyday chemists and to ensure that women and minorities had equal opportunities for advancement in society and in their professions.

Elected President of the American Chemical Society in 2002, he led efforts to increase the numbers and influence of women and people of color in the field of chemistry, and to revitalize chemistry education. He was a huge supporter of the ACS Committee on Minority Affairs and the ACS Scholars Program and proud of their successes. And he was instrumental in establishing the Senior Chemists Committee because he believed that retired ACS members could be meaningful ambassadors in K-12 education and in the larger public. His legacy is enormous and he will be greatly missed.

Eli himself was a legacy leader at ACS and felt passionately about this program, which celebrates its 20th anniversary this year. At the National ACS meeting in Boston 2015, on Monday, August 17, the Committee on Minority Affairs will celebrate the success of this remarkable program with an all-day symposium featuring the stories of ACS Scholars and alumni. This program serves gifted minorities who are under-represented in the chemical sciences and engineering.

Shalaby W. Shalaby, 1938 - 2010

Clemson mourns the death of Shalaby W. Shalaby, adjunct faculty and former professor.

Shalaby W. Shalaby, 72, an adjunct faculty member in bioengineering, died Wednesday, Aug. 18.

A native of Dairut, Egypt, Shalaby held undergraduate and graduate degrees in chemistry, botany, pharmacy, textiles, organic chemistry and polymer science.

He was a former professor in Clemson's bioengineering department, served as the director of the research and development team at Ethicon and managed the Johnson and Johnson Polymer Technology Center. In 1993, he founded Poly-Med Inc. at the Clemson Research Park, where he was president and director of research and development at the time of his death.

During his career, Shalaby created innovative drug-delivery systems for the controlled release of antimicrobial agents and patented absorbable liquid tissue adhesive and wound closure devices as well as a broad spectrum of other biomedical and pharmaceutical innovations.

Shalaby was active within the Polymer Division and help positions of Secretary and Councilor.

He is survived by his wife, Joanne Lefebvre Shalaby; four sons, Waleed S. W. Shalaby, Tarek S.W. Shalaby, David Shalaby, and Marc Shalaby; and ten grandchildren.

A Mass was celebrated at 10 am, Saturday Aug. 21, at St. Andrew's Catholic Church in Clemson, followed by entombment in the mausoleum at Memory Gardens on Issaqueena Trail.

Leslie H. Sperling, - 2016

One of the founding members of the Polymer Science & Engineering program at Lehigh University, Lesley Sperling, died at his home on February 1, 2016.

Dr. Sperling was a professor emeritus at Lehigh University after teaching at Lehigh for over 45 years.

Dr. Sperling was internationally known for his work with polymer materials, and mentored many students and post-docs. He was honored as a Fellow of the American Chemical Society in 2010.

Les received a B.S. Chemistry from the University of Florida in 1954, a M.S.in Chemistry from Duke University in 1957, and a Ph.D. in Chemistry from Duke University in 1959. His PhD thesis topic was “Solution properties of cellulose esters.” Initially, he worked at Buckeye Cellulose Corp. from Oct. 1958-June, 1965. From July 1965-July 1967, Les was a Post Doc at Princeton University with Prof. Tobolsky. He joined Lehigh University in 1967 and retired in 2002. He held the rank of Professor in both the Chemical Engineering Department and the Materials Science and Engineering Department. During the larger part of his time at Lehigh, Les was highly active in research that focused on interpenetrating polymer networks, IPNs.

His efforts at ACS have included the POLY/PMSE Polymer Education Committee and the ACS Nomenclature Committee, as well as serving PMSE as Member at Large. With the Poly Ed. Committee, his main activity has been interacting with chemistry book authors, trying to get them to include more polymer topics. Les was selected as a PMSE Fellow in 2002 and as an ACS Fellow in 2010. In 2012, Les won the PMSE Distinguished Service Award.

Les was an avid gardener, cultivating his own grapevines for winemaking. He developed prizewinning wines in his "Leaky Cork Winery" and published a guidebook for amateur winemakers. He was a wine judge, and served as President of the Educational Foundation of the American Wine Society. Les was an active member of the Keneseth Israel Temple. He helped lead the K.I. "Mitzvah Day" program for over 25 years, organizing volunteers to work in hospitals on Christmas day to give employees the morning off to spend with their families. Les Sperling truly relished his work and his family, and lived his life to the fullest. He succumbed to Alzheimer's disease in the end, but his indomitable spirit will live on in those who loved him dearly. Survivors: Les was married to Caroline (Bonnie) Neill Sperling, whom he met as a graduate student at Duke University, for 58 years. He was a proud parent of two daughters, Reisa Sperling, MD, and Sheri Leigh O'Connor, MFA, and a beloved grandpa to Ryland, Tresten, Aubrey, and Lyra.

Edwin Vandenberg, 1918-2005

POLY and Related Awards and Positions

1975 - 1977 - Secretary, POLY
1979 - Chair, POLY
1981 - ACS Award in Polymer Chemistry
1983 - POLY Distinguished Service Award
1991 - ACS Award in Applied Polymer Science
1991 - Charles Goodyear Medal from ACS Rubber Division
1992 - POLY Herman F. Mark Polymer Chemistry Award
1994 - Society of Plastics Engineers International Award
1995 - POLY Special Service Award
2003 - ACS Priestley Medal

With much regret, POLY has been informed of the passing of Ed Vandenberg, eminent polymer scientist and former POLY chair, on June 11, 2005 at the age of 87.

Ed graduated from Stevens Institute of Technology in 1939 and received an honorary doctorate of engineering from Stevens in 1965. In a remarkably productive career, he made seminal contributions in olefin, epoxide, and oxetane polymerization. He held 116 patents and made some of his best known discoveries over a 43-year career at Hercules Incorporated, including the independent discovery of isotactic polypropylene, the use of hydrogen to control polyolefin molecular weight, and a family of "Vandenberg catalysts" for making elastomers from epoxides and oxetanes. After retiring from Hercules in 1982, he held research positions in chemistry and bio-engineering at Arizona State University.

Over the years he had been very active in POLY. He served POLY as Secretary in 1975-1977 before becoming Chair-Elect in 1978 and Chair in 1979. Ed's vision as Chair led to placing the Planning Committee in the forefront of Division activities. During Ed's tenure as Chair, the first POLY topical workshop was held in November 1979. The topical workshops have since become one of the major activities of the Division. Ed also spearheaded the organization of the POLY Industrial Sponsors Group and played a critical role in leading this group for over 20 years. The Industrial Sponsors Group has supported polymer education in many ways, including scholarships, grants, awards, short courses, and publication of the Polymer Education Newsletter. Highlights of his activities in POLY and ACS are shown above.

As noted above, Ed received numerous awards for his work, including the 2003 Priestley Medal, the highest honor bestowed by the American Chemical Society.

Additional information on Ed's contributions can be found in a Chemical & Engineering News article (March 24, 2003).

Ed was preceded in death by his loving wife of 52 years, Mildred W. Vandenberg.

Otto Vogl, 1927-2013

Otto Vogl, an Austrian Polymer scientist of world renown died on April 27, 2013.

Born on November 6, 1927 in Traiskirchen, Austria (a room is dedicated in its City museum), he studied chemistry, received his PhD (Chemistry and Philosophy) at the University of Vienna in 1950, and became an Instructor at the II. Chemical Institute of the University of Vienna.

In 1953 he came to the U.S.A. as a postdoctoral associate at the University of Michigan and Princeton University. He joined the Polychemicals Department of Du Pont in 1956. He was invited to join the newly created efforts in polymer science at the University of Massachusetts as full Professor in 1970. In 1982 he was invited and appointed to the newly created the Herman F. Mark Professor at the Polytechnic University, the first endowed named Professor in Polymer Science in the United States. He retired in 1996 and returned to his position as Professor Emeritus at the University of Massachusetts and was active in this position until recently.

Otto Vogl played an enormous impact on the activities of polymer science of his generation. Most importantly, he was responsible for making polymer science a global science and organization. He was once called: The Metternich of Polymer Science.

In his career, he worked and published in several innovative fields, which are documented in his many publications and patents. He was an active in several fields, the forward thrust and leader of new developments. From organic polymer chemistry to polymer physics to polymer technology.

Vogl was not only an extraordinary scientist and teacher, but also was involved in the globalization of Polymer Science. Starting from the early 1970 when he played an important role in US polymer science, he enlarged the overall interaction of leading the International Polymer Conference in Amherst, the cooperation with the Japanese Polymer Community, the creation and leadership of the Pacific Polymer Federation as its first President.
He was extensively involved in publishing on subjects of polymer science. He was for many years the Editor in Chief of a leading Journal of Polymers: Progress in Polymer Science and on the Editorial and Advisory Board of about 20 International Journals Including the American co-editor of the Monatshefte.
His contributions to polymer science are too numerous to detail here.

He was the cornerstone to the development of the Polymer Science Department at the University

of Massachusetts and a vital member of its highly successful development. With particular importance is his creation of CUMIRP, the Center of UMass- Industrial cooperation in polymer science, the first University-Industrial cooperative program in the US and his increased development of the reputation and impact of polymer science nation wide of the Polymer Institute at Polytechnic University.

He received honorary doctoral degrees from a number of universities, including from Osaka University and the traditional Friedrich Schiller University of Jena.

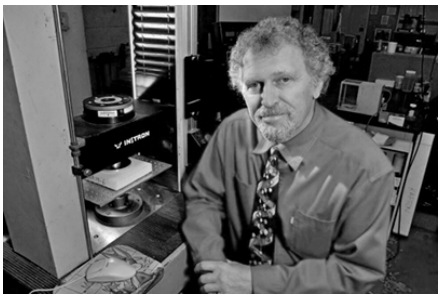
In addition he was an honorary member of a number of highly recognized professional societies, including the Society of Polymer Science of Japan and the Austrian Chemical Society.

Numerous were the recognitions in the scientific community during his life time: He was a Member of the prestigious Academy of Sciences on the Royal Academy of Sweden, the Austrian academy and others academic Institutions of high repute.

He was an active member of the Division of Polymer Chemistry. He served as the POLY Division Secretary (1970-1973) before he was elected Chair Elect in 1973 and served as Chair in 1974. For many years while he was an officer of the Division, he and his wife Jane ran the POLY Business Office. He received POLY awards including the Herman F. Mark (2000), Distinguished Service (1984), and POLY Fellows (2010).

He is survived by his wife Jane Cunningham Vogl (formerly of Sag Harbor, LI) of 60 years, two children, Eric G. Vogl and Yvonne V. Marsh and 8 grandchildren.

Garth L. Wilkes, 1942-2016



Dr. Garth L. Wilkes of Blacksburg, Va. passed away on Friday, October 21, 2016 at the age of 74. He was born on May 22, 1942 in New York. His earned degrees are a B.S. in Forestry from New York State College of Forestry, B.S. degree from Syracuse University, M.S. in Forestry also from New York State College of Forestry, M.S. Degree from Syracuse University, M.S. in Polymer Science and Engineering from University of Massachusetts, and a Ph.D. in Physical Chemistry from University of Massachusetts.

He began his long Chemical Engineering teaching and research career in 1969 at Princeton University. In 1978, Garth became a Professor of Chemical Engineering at Virginia Tech, where he remained for the duration of his career. He was a member of ACS and POLY for over 38 years. In addition to numerous other recognitions, he was awarded the Virginia Tech University Distinguished Professor honor in 1999.

Garth was a talented educator, influencing countless students at both the undergraduate and graduate levels. During his career, Dr. Wilkes presented more than 500 lectures, contributed to more than 500 scientific publications, and wrote and collaborated on many books and book chapters on polymer chemistry. In addition, he taught over 350 continuing education short courses to diverse sectors of industry, as well as served as a consultant at companies such as 3M, Dow Chemical, Phillips Petroleum, Johnson & Johnson, and many others. Dr. Wilkes was awarded 12 United States patents in his chosen field. He was internationally known and respected as an expert in his field of Polymer Science Chemistry.

Garth had many other interests outside of his academic career. He was a gifted guitarist, singer and composer who played professionally in a rock-band while in college. Garth continued to share his love of music with colleagues, family and friends, playing frequently in the Blacksburg area. He also enjoyed hunting, fly fishing and traveling with his wife Barbara all over the world. Garth was a true Renaissance Man who will be missed by all.

Bernhard Wunderlich, 1931-2012

Professor Bernhard Wunderlich - age 81 of Knoxville, Tennesse, passed away Thursday, August 16, 2012.

He immigrated from Germany in 1954 and received his Ph.D. under the tutelage of Prof. Malcolm Dole from Northwestern University in Evanston, Illinois in 1957.

He was an instructor at Cornell University until 1963 where he became a professor at Rensselaer Polytechnic Institute while working there from 1963-1988. He was a consultant for DuPont Company for many years. In 1988, he moved to Knoxville, appointed as a Distinguished Scientist at both the University of Tennessee and Oak Ridge National Laboratory, until his retirement in 2001.

Professor Wunderlich has been well known for his investigations and publications on "semicrystalline polymers", "macromolecular crystallization" and "heat capacity measurements on polymers".

His books on Macromolecular Physics (3 volumes, Academic Press, New York) have been widely read and translated into many different languages. In 2010, Professor Wunderlich published his autobiography with the title of "A Science Career against all Odds" , Springer, Heidelberg.

We are all deeply saddened to learn the news from Professor Wunderlich's family. Indeed, we have lost one of the great pioneers in the study of polymer science.

In lieu of flowers, the family of Prof. Wunderlich requests that donations be made to Asbury Place Rehabilitation Services, 2468 Sevierville Road, Maryville, TN37804 or to the Knoxville Symphony Chamber Orchestra, 100 S. Gay St., Suite 302, Knoxville, TN 37902 www.knoxvillesymphony.com