

Honorees – 50, 60, and 70 Year ACS Members 2026

Celebrating 50 Years:

Dr Kent Evans Anapolle
Dr Krishna Balu
Dr James Anthony Braatz
Dr Albert Mei Chu Cheh
Mr George Al Flanigan
Mr Frank Worden Hobbs Jr
Dr Linda Carol Hodges
Dr Floyd Eugene Hovis
Mr Timothy Ray Kroboth
Dr Charles Ying Cheung Lee
Mr Joseph Alexander Mackey
Dr Amal Mourad Mahfouz
Dr Kenneth W Pratt Jr
Mr Ronald A Rader
Mr Sam Knowles Sasnett
Dr John Carter Stephenson
Mr Don Chris Sumihiro
Dr Thomas E Wellems
Dr Haruhiko Yagi
Mr John Sheldon Youtcheff

Celebrating 60 Years (cont'd):

Ms Sharon S Hillery
Dr Susan Hixson
Dr Thomas Tao Shing Huang
Dr Richard Albert Jourdenais
Dr Oh Kil Kim
Ms Karen Anne Koczur
Dr Harold Lewis Kohn
Dr Andrew Mamantov
Dr Sam Aaron Margolis
Mr Thomas Andrew Matey
Dr David Saxer McCaffrey
Mr Martin Bradley Meyers
Ms Jane Quirk
Dr David Keith Schmalzer
Dr Eric Benjamin Sheinin
Mr Michael Edwin Sitzmann
Dr Richard Hoy Snider Jr
Mr Edward Herman Steger
Dr Kathryn E Stein
Mr Edward White

Celebrating 60 Years:

Mr James Alford Barnes
Dr David H M Bowen
Dr Byong Han Chin
Dr P Boon Chock
Mr Paul Frank D Angelo
Mr Walter Harold Delaplane Jr
Mr Jacob Arnold Donkersloot
Dr Arthur Merrill Halpern
Dr Joseph P Hanig
Dr Albert Bigelow Harvey
Dr Steven J Hausman

Celebrating 70 Years:

Mr Nesbitt D Brown
Dr Cecil M Criss
Dr William Brightman Dixon
Mr Ralph Frederick Krause Jr
Dr Joseph Thomas Leonard
Dr Dorit L Noether
Dr Irwin H Pomerantz
Mr J Michael Poston
Dr Paul Raphael Resnick
Mr Rudolph Jean Weiss



Honorees Celebrating 50 Years

Dr Kent Evans Anapolle

Dr Krishna Balu

Dr James Anthony Braatz

Dr Albert Mei Chu Cheh

Mr George Al Flanigan

Mr Frank Worden Hobbs Jr

Dr Linda Carol Hodges

Dr Floyd Eugene Hovis

Mr Timothy Ray Kroboth

Dr Charles Ying Cheung Lee

Mr Joseph Alexander Mackey

Dr Amal Mourad Mahfouz

Dr Kenneth W Pratt Jr

Honorees Celebrating 50 Years

Mr Ronald A Rader

Mr Sam Knowles Sasnett

Dr John Carter Stephenson

Mr Don Chris Sumihiro

Dr Thomas E Wellems

Dr Haruhiko Yagi

Mr John Sheldon Youtcheff

Honorees Celebrating 60 Years

Mr James Alford Barnes

Dr David H M Bowen

“Mike” Bowen is a native of Wales, United Kingdom, who was trained as a chemical engineer at the University of Birmingham (B.Sc. 1960 and Ph.D 1963). He emigrated to the U.S. in 1963 and spent 5 years with the DuPont Co. working on textile fiber spinning processes at the “Experimental Station” in Wilmington, Delaware. In 1967 he joined the American Chemical Society in Washington DC as an assistant editor in the Publications Division of ACS, working on *Industrial & Engineering Chemistry*. He then became Managing Editor of *Environmental Science & Technology* in 1970. A subsequent series of management positions in “pubs” led to his appointment in 1976 as Director of Books & Journals. He later became Director of Membership and then in 1993 Deputy Executive Director and Secretary of the Society. He retired from ACS in 1997.

He was a prominent figure within the **American Chemical Society (ACS)**, serving for many years as the Director of the Books and Journals Division. Key facts regarding his history with the organization include:

- **Editorial Leadership:** In 1969, while writing for *Industrial & Engineering Chemistry* (an official ACS publication), he penned a famously foundational editorial titled **"Is Chemistry Useful?"**. This piece remains a well-known historical reference for exploring the societal value and communication of chemical sciences.
- **Publishing Management:** As director of the publications division, Bowen spearheaded major organizational shifts in how chemical research was distributed, including overseeing structural changes in academic literature delivery and exploring advanced publishing trends like the "Dual Journal Concept" during the late 20th century.
- **International Presence:** Beyond his immediate director duties at the ACS, he represented the society globally and served as the **Chairman of the International Union of Pure and Applied Chemistry (IUPAC)** Committee on Printed and Electronic Publications.

Dr Byong Han Chin

Byong Han Chin, Ph.D., is an environmental health and toxicology researcher with over 40 years of experience across government, industry, and academia. He has held positions at the EPA, MITRE, and Carnegie Mellon University, authored 25 scientific publications, and served as President of the Korean Toxicologists Association in America.

Dr P Boon Chock

Mr Paul Frank D Angelo

Honorees Celebrating 60 Years

Mr Walter Harold Delaplane Jr

Hal Delaplane worked for 31 years as a Washington, DC-based scientist for the U.S. Navy and the U.S. Department of Energy (DOE).

From 1969 to 1976 he worked as a research chemical oceanographer in the R&D Department of the U.S. Naval Oceanographic Office which was located then in the Maury Center for Ocean Science, Naval Research Laboratory. Among his highlights were three cruises into Arctic ice in the North Greenland Sea and Kara Sea, the latter including a 1970 scientific exchange with then-named Polar Institute for Oceanographic Research (PINRO), Murmansk, USSR. It was the first time Americans were allowed to visit that closed Soviet city since World War II.

With the advent of the National Environmental Policy Act of 1970 (NEPA), one of Hal's main assignments was on a team tasked with developing baseline characterizations and multidisciplinary monitoring procedures for nearshore environments at selected sites of the entire coast line of the contiguous 48 states. This led to a job with DOE where he worked 1976-2000 for the Strategic Petroleum Reserve (SPR). He developed and directed an oceanographic program to support SPR operations in the Gulf of Mexico and was SPR headquarters NEPA manager.

Retiring from the Federal Government in 2001, Hal began a second career as a volunteer in land conservation with a local Maryland land trust, the Conservancy for Charles County, Inc. He served as its president 2011-2025. Although he no longer walks the land, he is still actively engaged in conservation work.

Mr Jacob Arnold Donkersloot

Dr Arthur Merrill Halpern

Dr Joseph P Hanig

Dr Albert Bigelow Harvey

Albert Bigelow Harvey, PhD, is being recognized for 60 years of membership in the American Chemical Society. After graduate study at MIT, he earned his PhD from Tufts University and went on to a career that spanned pioneering scientific research and federal science leadership.

As a research chemist at the U.S. Naval Research Laboratory, Dr. Harvey worked at the forefront of the emerging field of laser spectroscopy. During a 1974 sabbatical at Stanford University, he collaborated on the landmark paper Coherent Anti-Stokes Raman Spectroscopy, helping pioneer the laser-based technique now widely known as CARS. He continued to advance the field through research and publications on nonlinear Raman spectroscopy and, in 1981, edited the reference volume Chemical Applications of Nonlinear Raman Spectroscopy.

Following a second sabbatical at the National Science Foundation in the early 1980s, Dr. Harvey joined NSF permanently. As Program Director for New Technologies in the Division of Advanced Scientific Computing, he helped foster emerging areas of science and technology until his retirement in 1997. His career bridged fundamental chemical research, innovative laser spectroscopy, and the advancement of new technologies through federal scientific research programs.

Dr Steven J Hausman 60

Dr. Steven J. Hausman is a recognized futurist, widely-quoted technology consultant, author and nationally top-ranked speaker in the area of emerging technologies. His speaking specialties include cybersecurity, robotics and artificial intelligence, nanotechnology, 3D printing, bionics and human enhancement, climate change, autonomous and electric vehicles, the history of technology, brain-machine interfaces, and security risks of emerging technologies.

Dr. Hausman graduated with an B.A. from the University of Pennsylvania and received his Ph.D. from the same institution in the field of immunogenetics and transplantation biology. After completing a postdoctoral fellowship at the Institute for Cancer Research in Philadelphia he joined the National Institutes of Health (NIH) as a Staff Fellow in the intramural research program of the National Institute on Aging. He then joined the then-named National Institute of Arthritis, Metabolism and Digestive Diseases as Special Assistant to the Associate Director for Arthritis, Bone and Skin Diseases, became Director of the Arthritis Centers Program in the same Institute and then was subsequently appointed Deputy Director of the Division of Arthritis and Musculoskeletal and Skin Diseases. When the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) was created he initially organized and managed the Extramural Program and was later appointed as the first Deputy Director of the NIAMS and served in that position until 2007. He concurrently was also Director of the Extramural Program from 1995 to 2002 and managed a budget of approximately \$400 million. In 2007, following his 31-year NIH career he started his own speaking and consulting firm.

Based on his strong background in information technology Dr. Hausman was asked to manage the effort to convert all incoming paper grant applications (at a level of approximately 80,000 per year) to electronic format via an enterprise-wide scanning effort. Following the success of this project Dr. Hausman assumed the role of NIH Advocate for Advanced Technologies, organized the NIH Advanced Technologies Scientific Interest Group and was a member of the trans-NIH Nanotechnology Task Force. He is an Expert Panel Member of Techcast Global with forecasting certifications in emerging technologies, social trends and wild cards.

Dr. Hausman has 25 years of experience in ethics and compliance. As a Deputy Ethics Counselor he co-organized and chaired the national NIH Conference on Institutional Conflict of Interest. He led the trans-NIH committee to develop an enterprise-wide ethics data system to enable all ethics activities to be conducted on-line in a paperless fashion and, following his retirement from federal service, has been a consultant to a number of federal agencies on their conflict-of-interest ethics programs. His ethics program at the NIH was the first ever to receive the prestigious Outstanding Ethics Program Award from the U.S. Office of Government Ethics. He is currently a member of the Board of Ethics of the Washington Suburban Sanitary Commission.

Dr. Hausman was a recipient of the NIH Director's Award (NIH's highest award), the Public Health Service Exceptional Achievement Award, the NIH Equal Employment Opportunity Award and the Outstanding Ethics Program Award from the Office of Government Ethics for the quality of his stewardship of the NIAMS Ethics Program. His professional affiliations include the: American Association for the Advancement of Science, American Association of Immunologists, American Chemical Society, American Society for Cell Biology, Society for In Vitro Biology, Transplantation Society, National Speakers Association and the Global Speakers Federation.

Ms Sharon S Hillery

Dr Susan Hixson

Honorees Celebrating 60 Years

Dr Thomas Tao Shing Huang

Dr Richard Albert Jourdenais

Dr Oh Kil Kim

Ms Karen Anne Koczur

Dr Harold Lewis Kohn

Dr Andrew Mamantov

Dr Sam Aaron Margolis

Mr Thomas Andrew Matey

Dr David Saxer McCaffrey

Mr Martin Bradley Meyers

Honorees Celebrating 60 Years

Ms Jane Quirk

Dr David Keith Schmalzer

Dr Eric Benjamin Sheinin

Eric Sheinin received a B.S. in Zoology from the University of Illinois in 1965 and Ph.D. in Chemistry from the University of Illinois College of Pharmacy in 1971. He worked for the Food and Drug Administration from 1971 to 2001 beginning in the Division of Drug Chemistry as a research scientist, advanced to a supervisory chemist in the same Division and eventually moved to the chemistry review of new drug application and investigational new drug applications as a supervisory chemist. Prior to his retirement from the FDA he was the lead chemist in the Center for Drug Evaluation and Research. After retirement he worked for 6 years for the United States Pharmacopeia, a non-governmental, not for profit organization responsible for setting quality standards for drug legally marketed in the United States. After leaving the USP in 2007, Dr. Sheinin provided consulting services for the pharmaceutical industry until the present time. He is currently contemplating retirement, again.

Mr Michael Edwin Sitzmann

Dr Richard Hoy Snider Jr

Mr Edward Herman Steger

Dr Kathryn E Stein

Mr Edward White 60

Honorees Celebrating 70 Years

Mr Nesbitt D Brown

Dr Cecil M Criss

Dr William Brightman Dixon

Mr Ralph Frederick Krause Jr

Dr Joseph Thomas Leonard

Dr Dorit L Noether

Dr Irwin H Pomerantz

Mr J Michael Poston

Dr Paul Raphael Resnick

Paul Resnick has been recognized throughout his career for many contributions to fluorine chemistry. Principal among his work are the syntheses of fluorinated monomers, especially perfluorinated epoxides and vinyl ethers, that have resulted in ultrastable ion-exchange resins and amorphous, optically clear perfluorinated resins with excellent mechanical properties.

Resnick received a B.A. degree in chemistry from Swarthmore College, in Pennsylvania, in 1955, and a Ph.D. degree in chemistry from Cornell University in 1961. He carried out postdoctoral research at the University of California, Berkeley, from 1960 to 1962. Resnick joined the plastics department of DuPont in 1962 and retired as a DuPont fellow, the highest technical position at the company.

Resnick's research contributions have led to 78 patents and several notable commercial products developed by DuPont. He solved a critical problem that plagued the synthetic route to hexafluoropropylene oxide, and

Honorees Celebrating 70 Years

epoxide that is required for the synthesis of vinyl ethers that are the basis of Nafion perfluorocarbon ion-exchange resins, Teflon PFA fluoropolymer, Viton fluoroelastomer, and Kalrez perfluoroelastomer. The epoxide is used directly to prepare Krytox perfluorocarbon fluids.

Resnick also led research at DuPont for the development of Teflon AF. In what began as a bootleg project in his lab, Resnick prepared perfluoro(2,2-dimethyl-1,3-dioxolane) as a precursor to a new family of polymers and copolymers. He succeeded in preparing highly stable and melt processable polymers that are soluble in fluorocarbon solvents and can therefore be used for solution coatings.

According to one colleague, Resnick “has shown his creativity in fluorine chemistry in an industrial setting in which the directions of research are limited by many practical and commercial constraints, yet his creative instincts have been at their best when he has attacked practical problems in a fundamental way to create corporate, scientific, and social value.”

Resnick is a charter member of the ACS Division of Fluorine Chemistry and has served on the division’s executive committee and as division secretary-treasurer. Resnick was the division chairman in 1985. He organized the 7th ACS Winter Fluorine Conference and for 10 years served as a representative to the International Steering Committee for Fluorine Chemistry. He also served on the organizing committee of the 10th International Symposium on Fluorine Chemistry held in Vancouver, British Columbia, in 1982, and was cochairman of the organizing committee of the 12th International Symposium of Fluorine Chemistry held in Santa Cruz, California, in 1988.

Resnick retired from full time employment at DuPont at the close of 1998. After retirement, he became and still is the Sole Proprietor of *FluoroScience LLC*, a consulting company.

In 2015 Resnick was elected as an ACS Fellow.

Mr Rudolph Jean Weiss
