

the Catalyst



Official publication of the Philadelphia Section, ACS
<http://philadelphia.sites.acs.org/>

June 2010
Volume 95, No. 6



June Speaker

Dr. Joseph S. Francisco
President, ACS

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ADVANCE NOTICE

SEPTEMBER MEETING

Thursday, September 16, 2010

Topic and Location to be Announced

See the SEPTEMBER issue of *the Catalyst* for details,
call the Section Office at (215) 382-1589 or email PhilaACS@aol.com.

the Catalyst

ACS Philadelphia Section

Founded April 15, 1899

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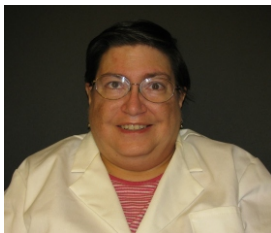
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Published monthly except July, August and December by the Philadelphia Section of the American Chemical Society. All views expressed are those of the editors and contributors and do not necessarily represent the official position of the Philadelphia Section of the American Chemical Society. Editorial matters should be sent to the attention of the Editor-in-Chief c/o the Philadelphia Section ACS, Department of Chemistry, University of Pennsylvania, 231 South 34th Street, Philadelphia, PA 19104-6323 or philcatalyst@aol.com.

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From The Chair



Judith Summers-Gates

June is always jam packed with occasions and milestones.... And this June is no different! We will be celebrating the launch of new graduates and the accomplishments of a professional lifetime with our 50-Year Members and I would like to extend our heartiest congratulations to both groups!! Current ACS President, Dr. Joseph S. Francisco, will be presenting certificates to our 50-Year Members to mark their milestone.

Moments like these make me conscious of the passage of time. I would like to ask some of our 50-Year Members what they envisioned the future to look like and what contributions they wanted to make in their careers and see how many of their ambitions are realized in the outcomes... I could pose the same questions to our fledgling members. How about making some predictions for me? It could become a new Philadelphia Section tradition—recording the predictions and then “opening the time

capsule” to revisit them when the Class of 2010 reaches its’ 50th anniversary in 2060.

It is always amazing, to me, how science fiction can become science reality and how inspiration and innovation can lead to things that change our way of life. We owe a lot to our educators who unselfishly give that inspiration and encouragement to their students every day and we were proud to recognize such an educator last month in Dr. Sally Mallory, our Undergraduate Teaching Award winner! Teaching is hard work that too often goes unacknowledged and underappreciated in our society where sports figures command staggering salaries during their limited careers. Research scientists may not set records but they do leave lasting legacies to all of us.

Thomas Edison said that most accomplishments are the result of a lot of hard work but I have to admit that it would be “cool” to see more science fiction turned into science reality.... Just like the “new element” Tony Stark happened to whip up in the new Iron Man 2 movie! Makes me want to head down to the basement and start tinkering myself!

I want to have a front row seat for all the life changing discoveries to come... because at heart, I am always going to be a scientific thrill seeker!

Have a Happy/Safe Summer and come back re-energized and ready to tackle our new activities in September!

Interested in Working for ACS?

We are drawing up the slate of candidates for the fall 2010 election. Specifically, there are openings for chair-elect, treasurer, directors, and councilors. The chair-elect has several responsibilities, including chairing the Section awards and program committees during the first year of the term and running the Section during the second year. The treasurer is responsible for paying bills and maintaining financial records. Directors form the governance of the Local Section and meet monthly September-June. Councilors represent the Section at ACS national meetings.

If you would like to run, please get in touch with Bob Gates (gatesr@att.net) or Libby Harper (PhilaACS@aol.com or (215) 382-1589).

The Philadelphia Section, American Chemical Society

presents

Dr. Joseph S. Francisco
President, American Chemical Society

Celebrating Golden Opportunities, Creating a Boundless Future

and

Presentation of 2010 Fifty-year Member Certificates

Monday, June 14, 2010

1:00 PM

McCall Meeting and Conference Center
201 North Lynn Boulevard
Highland Park, PA 19083

Luncheon at 12 noon

Luncheon Cost \$25; students with ID \$13

LUNCHEON RESERVATIONS should be made by calling Mrs. Harper at the section office, (215) 382-1589, or emailing PhilaACS@aol.com by 5:00 p.m. Tuesday, June 8. Cancellations, if necessary, cannot be accepted after Thursday, June 10. UNCANCELLED RESERVATIONS WILL BE BILLED.

DIRECTIONS: <http://www.mccallgolf.com/page.asp?page=Directions>

The Board of Directors will meet at 2:30 at the McCall Meeting and Conference Center.

SPEAKER'S ABSTRACT AND BIOGRAPHY

Dr. Joseph S. Francisco

President, ACS

Celebrating Golden Opportunities, Creating a Boundless Future

Abstract: The chemical enterprise in the United States has grown enormously over the past 50 years, and it continues to grow. This growth is in no small part due to myriad contributions of dedicated chemical professionals, including those recognized as long-standing members of the American Chemical Society. This talk will highlight advancements in US chemistry in the context of those who helped to make it happen, and the commitment of ACS members to ensure that their organization is dynamic and responsive to the needs of the chemical enterprise.

Biography: Joseph S. Francisco completed his undergraduate studies in Chemistry at the University of Texas at Austin with honors, and he received his PhD in Chemical Physics at the Massachusetts Institute of Technology in 1983. Dr. Francisco spent 1983-1985 as a Research Fellow at Cambridge University in England, and following that he returned to MIT as a Pro-

vost Postdoctoral Fellow. In 1986 he was appointed Assistant Professor at Wayne State University. In 1991 he was a Visiting Associate in Planetary Science at California Institute of Technology. He accepted an appointment as Professor of Chemistry and Earth and Atmospheric Sciences at Purdue University in 1995, and in 2006 was appointed as the William E. Moore Distinguished Professor of Earth and Atmospheric Science and Chemistry at Purdue University. He served as President for the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCCHE) from 2005-2007. In 2008 he was elected to the Presidential succession of the American Chemical Society. He served as President-Elect in 2009, is President in 2010, and will be Immediate Past+-President in 2011.

He has published over 400 peer-reviewed papers in the fields of atmospheric chemistry, chemical kinetics, quantum chemistry, laser photochemistry and spectroscopy. He was appointed by the Secretary of the Navy to be a member of the Naval Re-

search Advisory Committee for the Department of Navy (1994-1996). He has served as a member of the Editorial Advisory Boards of *Spectrochimica Acta* (Part A); *Advances in Environmental Research*; *Journal of Molecular Structure Theochem*; and *The Journal of Physical Chemistry*. He is a co-author of the textbook *Chemical Kinetics and Dynamics* published by Prentice-Hall.

Professor Francisco has received numerous national and international honors for his academic accomplishments. He was recently awarded an Alexander von Humboldt US Senior Scientist Award by the German government, as well as being appointed a Senior Visiting Fellow at the Institute of Advanced Studies at the University of Bologna, Italy. He has been appointed to and served on committees for the National Research Council, National Science Foundation, American Chemical Society, and the National Aeronautics and Space Administration.

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HONORING OUR 50-YEAR MEMBERS

At our June Section meeting, we honor our 50-year members, presenting them with a certificate and luncheon at the McCall Meeting and Conference Center in recognition of their long and faithful service to the Society. Those being honored include the following:

DR. WILLIAM H. BRENDLEY, JR.



Dr. Brendley attended Saint Joseph's University on an academic scholarship where he

majored in chemistry and lettered as a second baseman on the varsity baseball team. Bill pursued his Master's degree in Radiochemistry at Saint Joe's and his PhD in Physical Chemistry from the University of Pennsylvania in 1965.

Bill's professional industrial career of 33 years was with Rohm and Haas where he held increasing managerial responsibilities first in research (Department Manager) and in business (Business Director of Specialty Purifications). Bill lectured at various universities and ACS Section meetings on polymeric coatings and was also a recipient of the Roan Award for his research on aqueous coil coatings.

Upon retirement from Rohm and Haas, Bill pursued his passion for teaching and re-

search at Philadelphia University where he taught, pursued research, and became Dean of the School of Science and Health for five years, retiring as Dean Emeritus.

During his industrial and academic careers, he published peer-reviewed papers in a variety of research interests in 5 decades and has 18 patents.

He continued his learning interests with Master's and Doctorate degrees in Theology from Trinity Theological Seminary and is now an ordained minister in the Primitive Methodist Denomination and also President of their School of Theology.

Presently, he spends his "free" time tutoring chemistry, moderating the Science Club, and coaching the freshman basketball team at Gwynedd Mercy Academy High School.

He and his wife, Yvonne, have been married for 43 years, have two children and five grandchildren, and continue to reside in Hatboro.

DR. JAMES D. BURKE



Well-deserved congratulations to our anniversary colleagues for their careers, their contributions to so-

ciet, and their years of membership and service in ACS!

Rather than reflect on my career, I want to recognize those who helped me on the way. I am in debt to more people than I can enumerate, but some in particular stand out. My parents gave me my first chemistry set. The occasionally distressing odors emanating from our basement must have made them question their judgment, but they never objected.

Bill Kehl, my Chemistry teacher at Upper Darby H.S., deepened my interest. Without the encouragement of Frederick Rossini, an eminent chemist and father of a college classmate, I never would have applied to Berkeley, where I received my PhD.

My graduate advisor Jim Cason and my postdoctoral advisor at Columbia, Gilbert Stork, made my career possible.

I started at Rohm and Haas as a research chemist and retired as manager of technical recruiting and university relations for our US sites—quite an interesting career. It would not have happened without the strong support, from the beginning, of people like Ellington Beavers, Pat McNulty, Bob Ross and Fred Wilson, among others. Later, thanks to the firm commitment of our technical managers and the generous work of our volunteer recruiters (all engineers and scientists), our recruiting programs became nationally respected for quality, integrity and success.

The Philadelphia Section has been a warm and collegial organization for me. I joined in 1966 and chaired it in 1990. I learned a lot from Glenn and Barbara Ullyot and Madeleine Joullié, and enjoyed working with our Section's capable administrative managers, Shirley Golden and her successor Libby Harper. As an ACS Councilor in the 1990s, I benefited from Newman Bortnick's counsel. Later, as an ACS Board member, Paul Anderson and Hank Whalen were quite helpful to me. As

Board Chair, I was fortunate to work with a talented, dedicated, delightful team. The chemical sciences are indeed a social enterprise, and we owe our success to many.

I am grateful to God for the many opportunities to contribute. I must also thank my wife Barbara for her remarkable patience and tolerance, although she sometimes wondered whether "ACS" was the initials of The Other Woman. Since retiring, I enjoy devoting more time to her and our family, and coming to terms with that pregnant job jar.

DR. FREDERICK W. CAMP



Frederick W. Camp is a chemical engineering graduate of Columbia and Princeton. He joined the R&D Department of Sun Company in 1962. During 1964-1965, he helped develop Sun's pioneering Athabasca Tar Sands extraction process, on field assignment in northern Alberta, Canada. In 1985, he conducted a technology audit of Suncor's oil sands extraction plant. His recommendations were implemented, and plant operations significantly improved. In

1991, Dr. Camp was awarded the Karl A. Clark Distinguished Service Award given occasionally by the Alberta Oil Sands Technology and Research Administration for outstanding service in commercialization of oil sands.

Following the first oil price shock in 1973, he led a group which supported Sun's participation in domestic synfuels development projects including the \$80MM White River Shale Project. He planned, started, and managed a coal research lab in support of Sun's Cordero Mine. The lab produced a coal analytical methods handbook which became the standard for the Powder River Basin, supplementing ASTM methods for sub-bituminous coal.

As the synfuels boom ended, Dr. Camp joined Sun's corporate technology staff, defining the role of technology in support of Sun's strategic business directions. He retired in 1991, and participated in founding Hydrocarbon Engineering Associates, an engineering consulting firm.



DR. EUGENE C. CAPALDI

Gene Capaldi received his BA from the University of Pennsylvania in 1959. He went to the University of Delaware and did his graduate work under Dr. James A. Moore receiving an MS in 1961 and a PhD in 1964. While at Delaware he met his wife of 47 years, Carolyn Ann Bartlett. They have two sons and five grandchildren.

He went to work in September 1963 for Atlantic Refining, which later became Arco Chemical Company. His research work included the syn-

thetic routes to adamantane and its derivatives, poly isophthalate esters, hydroxy polybutadienes and technical service for the Oxirane Company.

In addition to his research work, he managed Arco's Toxicology Group in 1976. In 1986 Gene became the Manager of Environmental, Health and Safety. Gene was on the Board of Directors of the Chemical Industry Institute of Toxicology for 14 years and served as Chairman of its Board from 1996 to 1998. He was also active in the American Chemical

Council— twice serving as Chairman of the Health and Safety Committee. Gene was on the Advisory Board of the Wharton Risk and Decision Process Center for 10 years.

Gene retired from Arco in 1999. His hobbies include being with his grandchildren, golfing, traveling and gardening. He stays busy volunteering at the Pennsylvania Resource Council (an environmental group), chairing the Newtown Township Planning Commission and serving on the Board of Trustees of Dunwoody Village.

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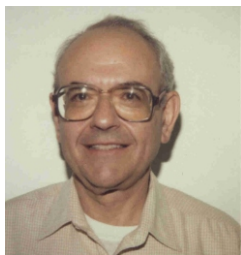


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DR. IVAN E. LEIGH



Dr. Leigh graduated from James Madison High School in Brooklyn, NY. He received a Pulitzer Free Scholarship to Columbia University, Class of 1955. Then it was off to the University of California at Davis, where he received a PhD in Chemistry in 1960. After a post-doc at Kansas University, Dr. Leigh began his professional career teaching at Villanova University, where he met and married Hilde Wagner.

In 1966 the Leigh family moved to Corning, NY, where Dr. Leigh supervised an analytical group in glass chemistry. In 1975 the Leighs were back in southeastern PA, where Dr. Leigh managed automotive catalyst and research groups at Matthey Bishop. Upper management and national economic upheavals in 1983 resulted in Dr. Leigh's temporary return to academia at U. Pitt-Johnstown. In 1985, with that recession over, Dr. Leigh took a position, again in glass analysis, with the CertainTeed Corp. (Blue Bell, PA), from which he retired in 1998.

Dr. Leigh volunteers at the Hagley Museum in Wilmington, and for many years DJ'd a classical music program on the West Chester University station. He also meets for lunch bi-monthly with his former colleagues from Villanova and Matthey Bishop, and annually with his friends at CertainTeed at their holiday party.

DR. MARINUS LOS



Although born in the Netherlands, I received my formal education in Britain; high school at a school founded in 700 in Yorkshire and college at Edinburgh University in Scotland where I graduated with a 1st Class Honours BSc in chemistry and a PhD in organic chemistry. I continued my education with a two-year Post-doctoral Fellowship at the National Research Council in Ottawa, Canada working on the structure of a natural product. For me, this was an exhilarating time doing structure determination as opposed to synthesis, the subject of my PhD thesis.

Apart from one year (1970) spent as a Senior Research Fellow in the Pharmacology

Department at Edinburgh University working on prostaglandins, I worked for 35 years at the now non-existent American Cyanamid Company in their Agricultural Division. Those were wonderful years in a vibrant organization. I should add that success certainly helped to make it so!! This success was the discovery of the imidazolinone herbicides, a new potent class which inhibited an enzyme involved in the biosynthesis of valine and isoleucine. It was this discovery that brought me a number of awards: Inventor of 1990 (Intellectual Property Owners), Achievement Award (Industrial Research Institute) 1994 and several ACS Awards (Perkin Medal 1994, Creative Invention 1995 and Heroes of Chemistry, 1999). But the most memorable of all the awards was the National Medal of Technology presented in 1993 by President Clinton in a wonderful ceremony held in the Rose Garden at the White House in front of my whole family. What a thrill.

My career took a sharp change in direction in 1984 when I was offered a position in Plant Science Discovery, a biology group. This resulted in many challenges. At retirement in 1996 my position was that of Director, Plant Sci-

ences. This was a great experience allowing me to observe the performance of potential products discovered in the greenhouse at research sites around the world. It was a great ride, a wonderful career.

Retirement allowed me to volunteer for Habitat and AARP's TaxAide. My wife and I later moved into a retirement community where opportunities abound through many clubs for service, education, sports and entertainment.

DR. EDYTH L. MALIN

I fell in love with chemistry in high school and my fascination has continued almost every day since then. I majored in chemistry at Vanderbilt where I was also active in student publications. Worked briefly at the local health department in Chattanooga, TN after I married. We moved to the DC area, where I was an Editorial Assistant on *Chemical and Engineering News* and then a manuscript editor for ACS applied publications. Work on ACS publications and at FASEB continued part-time while I was raising my three sons. In 1967 I enrolled at American University and received an MS in 1969, just as we moved to Philadelphia. After one year at Temple, I transferred to Bryn

Mawr College and received my PhD in 1975. After a post-doctoral fellowship in Walter Englander's lab at Penn 1975-1977, I went to USDA's Eastern Regional Research Center (ERRC) as an NSF Postdoctoral Research Associate and then as a permanent employee for 27 years. I retired July 1, 2003 but still maintain my connection there. My research dealt with protein structure, first on beta-lactoglobulin and then nitrite modification of lysine in food proteins, inactivation of alkaline phosphatase in milk and cream, and molecular modeling of casein peptides that occur during cheesemaking. Concurrently, I also headed a team that developed low-fat mozzarella cheese for school-lunch pizza for USDA's National School Lunch Program. Two major manufacturers make the cheese, and schools all over the US still use it on pizza.

WILLIAM W. MARSH, JR.



After receiving a BA in Chemistry from Lafayette College in 1959, I took some graduate chemistry courses at the University of Delaware and then worked in R&D as a bench

chemist for Wyeth Laboratories in Radnor, PA where I had spent four summers during my undergraduate years. While there I took chemistry courses at Villanova University which continued when I moved to R&D at Sun Oil Co. in Marcus Hook, PA where I remained from 1964-1977.

I then became Overseas Coordinator of Analytical Development for E.R. Squibb & Sons, Inc., in Lawrenceville, NJ, until a company reorganization eliminated the position. A series of sales positions followed, and I served as regional sales manager for Antek Instruments, Inc. and then O.I. Analytical, two Texas-based companies in the lab instrument field. Later, I sold environmental services for the Occupational Health Services group within The Hartford Steam Boiler Inspection and Insurance Co. and then laboratory disposables for Quality Environmental Containers. During my time with HSB, I took a specialized course in Industrial Hygiene at Georgia Tech.

During my entire life I have been involved with music in some way as a choral singer in churches, high school and college and in two of the major Philadelphia choruses: the Mendelsson Club and The Choral Arts Society. I also

was a regular “extra” with The Philadelphia Oratoris Choir. In 1976 I founded the Philadelphia Branch of the Delius Society dedicated to the music of this English composer (1862-1934) and his contemporaries. The Society is still very active and presents several public concerts and other events annually. Since the 1970s I have also been active as a music journalist providing record reviews and articles for several publications. These musical activities (except for singing these days) and occasional work as an Associate Producer for the Direct-to-Tape Recording Co. keep me busy in retirement.

DR. EUGENE (GENE) F. McINERNEY.



A native of New York City, Gene received his BS from Fordham University and his PhD in organo-metallic chemistry from St. John's University.

Trained as a synthetic organic chemist, he transitioned to product and commercial development activities first within GAF Materials Co. (now International Specialty Products Inc.) and later at

Hercules Inc. (now Ashland Chemical Co.). During this chapter of his career he was instrumental in the design and introduction of specialty chemicals, materials, and services used in the manufacture of semiconductor devices and aerospace systems. He also participated in numerous corporate licensing and M&A initiatives.

With the contraction of the chemical industry in the early 1990s, he initially opened a boutique consultancy (Electronic Materials and Chemicals International) prior to establishing a second career in the field of economic development. Assuming the role of technology commercialization manager at Ben Franklin Technology Partners of Southeast Pennsylvania, he mentored emerging biopharma, information technology, and manufacturing companies while providing them access to investment capital as well as entrée to a network of university technology consulting resources.

Building upon that experience, he went on to establish EMCI Consulting Associates where he currently offers business development and technology assessment services to early stage companies, universities, and other

not-for profit organizations in the greater Philadelphia area. In addition, he serves as a contributing editor to *The Catalyst Review*. A more complete career profile can be found at

<http://www.linkedin.com/in/ugenefmcinerney>.

Gene and his wife Susan live in West Chester and, as a blended family, have six children and three grandchildren. Interests include fine wines, photography, travel, chess, medieval history and spirituality, and social justice initiatives.

GEORGE A. SCHNABEL



After receiving a BS in Chemical Engineering and my Masters in Chem. Eng. Practice from MIT in

June 1961, I married my wonderful wife Alyce. We will be celebrating our 49th anniversary in 2010. We have two daughters (married) and four grandchildren, all of whom live near us. We spent the first two years of married life at Dugway Proving Ground in Utah where I served as a Lieutenant in the Army Chemical Corps as a result of ROTC at Tech. I then started a 35-year career with Rohm

and Haas Company (now part of Dow Chemical) in the Philadelphia area. I started out in chemical process engineering in Research and moved up in technical management there before becoming technical manager of the Philadelphia Plant. I then became involved in evolving environmental issues at Rohm and Haas and eventually ended up as chief environmental manager for the North American Region. There, I advised our plants on environmental policy and supervised Super Fund response. I retired early at age 58 in 1996, and my wife and I moved to a 55-plus development with a golf course near West Chester, PA. We keep busy with church, golf, long motor trips, going out for lunch, and attending our grandchildren's school and athletic events.

DR. MICHAEL M. SHAHIN



Michael's life long passion for chemistry began at the University of Birmingham, England, where he discovered that through chemistry, it was possible to make lasting contributions to mankind in new materials, and pharmaceuticals and in the process obtain a deep understanding of the

secrets of nature. After obtaining his BSc and PhD from that University, he spent two years as a post-doctorate fellow at the National Research Council of Canada before joining DuPont Corporation at its Experimental Research Station in Wilmington, DE. The lure of academic research attracted him back to Yale University from where he was recruited in 1963 as a senior scientist, to the research laboratories of Xerox Corporation in upstate New York. There, he rose in the ranks and held various management positions including that of Vice President and Manager of Xerox Webster Research Center from 1973-1978. Later he was tapped for greater involvement in corporate strategy and management of quality as it applied to research and technology. His last position at Xerox was that of Manager, Intellectual Properties for Research and Technology. He retired from Xerox in 2002. Shortly after, he joined the University of Rochester, Office of Technology Transfer as Senior Licensing Manager. He retired from the University in 2008 and relocated with his family to the Philadelphia area. Michael has published extensively on ion-molecule reactions, corona discharges,

photochemistry and electrophotography and holds a number of US patents. Throughout his career he has been an active member of a number of professional societies including American Physical Society, American Chemical Society, Royal Society of Chemistry (England) and Society for Imaging Science and Technology. He was Chairman of the New York Section of APS from 1980-82 and Chairman of the Rochester Section of ACS in 1999.

DR. THEODORE J. SIEK



Chemistry captivated my interest early in youth, as I recall setting up little experiments around the house (without damage, I might add). After graduating from Grand Coulee High School in Washington State, I attended Pacific Lutheran College, Tacoma, WA between 1951 and 1957 with a two-year break for military service with the US Army, 1954 to 1956. I received a BA in 1957 and then became a graduate student at Washington State U, Pullman, receiving a MS in organic chemistry and biochemistry in

1961. I continued my graduate studies at Oregon State U, Corvallis, and was awarded a PhD in biochemistry in 1964. The next four years I was with the Department of Food Science at Oregon State as a research associate in food flavors.

My interest turned to forensic chemistry and in 1968 I took a position as an analytical toxicologist for the Connecticut Department of Health, spending three years in Hartford, CT. I then became Chief Toxicologist for Northern Virginia in a crime and post-mortem laboratory in Fairfax, VA. My next position was with PoisonLab of Denver, CO, a lab specializing in emergency toxicology and therapeutic drug monitoring (1977-79). When this laboratory was sold and closed, I moved to Pennsylvania and became an Associate Director at National Medical Services in Willow Grove, PA.

In 1985 I started a new laboratory in Feasterville, PA, which I named "Analytic Bio-Chemistries." Therapeutic drug monitoring for hospitals and forensic toxicology for coroners was 90% of the lab's activity. I was Director and owner of this lab until 2009 when I sold to Atlantic Diagnostic Laboratories and

retired. I am now writing a "Toxicology Laboratory Manual" and it has lots and lots of chemistry. My wife, Marian, and I live in Southampton, PA and are blessed with 10 grandchildren.

DR. JAMES L. SMITH

James L. Smith received a BA (1952) and MA (1954) in Bacteriology from Indiana University, Bloomington, IN. As a Medical Microbiologist at Fort Detrick, MD (1954-1959), he worked on the pathogenicity of the plague bacterium (*Pasteurella pestis*, now known as *Yersinia pestis*). Feeling a need for further education, he returned to Indiana University where he received a PhD in Microbiology (1962). Dr. Smith studied the effect of microorganisms on fats as a Microbiologist at the Agricultural Research Center in Beltsville, MD from 1963 to 1971. He moved to Philadelphia and worked at the Eastern Regional Research Center where he studied the microbiology of meat fermentations and microbial food safety of meat products. In 1990, he retired and is now a USDA collaborating scientist at the Eastern Regional Research Center. He currently writes review articles and book chapters on microbial food safety subjects

and has co-edited three books dealing with the pathogenicity of microorganisms. Dr. Smith also reviews manuscripts (both in-house and for journals) and acts as a mentor for many scientists at ERRC.

DR. DANIEL F. VEBER



Daniel F. Veber, a past recipient of the Philadelphia Section Award (1988), I joined the ACS as an undergraduate at

Yale. On completion of my PhD at Yale as an organic chemist, I joined the research labs of Merck. Holding varying titles in Medicinal Chemistry at both the Rahway and West Point labs my research focused on various aspects of peptide synthesis and medicinal chemistry.

On retirement from Merck in 1992, I joined SmithKline Beecham in Upper Merion as a Director for Medicinal Chemistry with a focus on protease inhibitors and combinatorial chemistry. Over my career I participated in work that led to a number of pharmaceutical agents as well as producing more than 225 publications and 80 issued US patents. My work was recognized by the ACS with the 2001 Ralph F. Hirschmann

Award in Peptide Chemistry and by the American Peptide Society in 1992 with the Merrifield Award. I retired from GSK in 2002.

I continue my scientific endeavors through consulting in medicinal chemistry and participation on varied scientific advisory boards. With greater freedom of time I now also enjoy more opportunity for travel and outside activities with Marilyn, my wife of 50 years.

ALSO CELEBRATING 50 YEARS

Dr. Paul Stanley Anderson, Salvatore P. Baratta, Francis T. Coyle, Dr. Dennis R. Gere, Melvin Goldstein, Dr. Herman S. Greenberg, Dr. Walther G. Grot, Dr. Richard J. Hinchey, William F. Hoffman, Charles H. Miller, Jr., Dr. Stanley F. Osman, Dr. Joseph Herman Schauble, Dr. Robert J. Stedman, John G. Zajacek.

MEMBERS CELEBRATING 60 YEARS WITH THE ACS

Dr. Dale Warren Blackburn, Lorraine R. Brill, Albert Carman Condo, Howard Alfred Hittner, Dean E. Humphrey, Marvin Joseph Hurwitz, Dr. Kenneth D. Kopple, Dr. Frank James Loprest, Raymond John Mannella, Dr. James J. Markham, Dr. Luke R. Ocone, Dr. Lyle H. Phifer, Dr. Seemon H. Pines, Dr. David C. Remy, Anthony Henry Santulli, Dr. Louis Paul Sinotte, Dr. Edgar E. Stinson, Dr. Robert J. Suhadolnik, Kenneth Lynn Varley.

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NEWS ATOMS

E. James Petersson and **Christopher Murray** of the University of Pennsylvania's Chemistry Department are recipients of a pilot grant from the Translational Biomedical Imaging Center of the Institute for Translational Medicine and Therapeutics.

Daeyeon Lee, assistant professor in Penn's Department of Chemical and Biomolecular Engineering, received the Victor K. LaMer award for outstanding graduate research in colloid and surface chemistry. He will deliver the LaMer plenary lecture at the 84th ACS Colloid and Surface Chemistry Symposium.

Robin M. Hochstrasser, Donnor professor of physical science at Penn, received the Pittsburgh Spectroscopy award from the Spectroscopy Society of Pittsburgh. He was recognized for pioneering contributions in the development of ultra fast and multidimensional spectroscopies.

DEATHS

Wasley D. Yushok, retired from Fox Chase Cancer Center, May 11, 2009 at 88. He was former head of cancer biochemistry of the Biochemical Research Foundation. He also worked for the Laboratory of Tissue Metabolism at the University of Texas Medical School.

Edith L. Kirschner, December 9 at 83. She was a 62-year member of ACS.

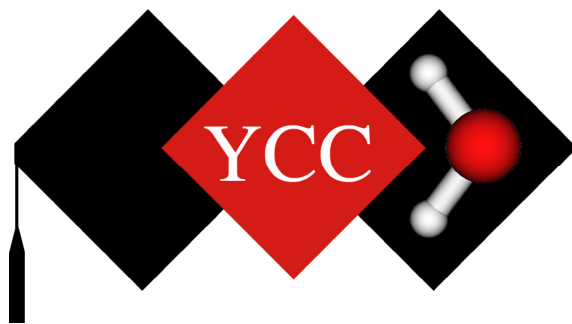
Keith Stuart McCallum, former employee of Rohm and Haas, February 7, 2010 at 90. He was a 60-year member of ACS.

Note: News Atoms seeks to report on people in the field of chemistry in the greater Philadelphia area. If you have news about new hires, significant promotions, honors and awards, and those who have recently passed away, send it by email to philcatalyst@aol.com or by mail to the Philadelphia Section ACS.

INTERNATIONAL YEAR OF CHEMISTRY

Help put chemistry on the calendar in 2011! Next year is the International Year of Chemistry (IYC) and to celebrate ACS invites YOU to highlight everyday advances in chemistry.

Through the IYC-2011 initiative "365: Chemistry for Life," a different aspect of chemistry will be highlighted every day on www.acs.org. Anyone can submit ideas for a favorite element, compound, discovery, process, chemist, or chemistry innovation at www.acs.org/iyc2011, by June 30, 2010. Suggestions should fall into one of four categories: energy, environment, materials, and health. Selected submissions receive recognition and an IYC-2011 pin and t-shirt. For more ideas on how to celebrate the International Year of Chemistry, visit www.acs.org/iyc2011 and www.chemistry2011.org/.



Philadelphia Young Chemists Committee Monthly Social

at the

Philadelphia Field House

1150 Filbert Street

Philadelphia, PA 19107

215-629-1520

www.fieldhousephilly.com

2nd Thursday of each month from 5:30 PM -7:00 PM

Entertainment and drink specials available

Come out to socialize and network with other Philadelphia area chemists at the Younger Chemists Committee (YCC) monthly social. Each month we will be meeting at the Field House in Center City. There will be food and drink specials as well as access to the game room (when available). The Field House is conveniently located within the PA Convention Center and public transportation is just a few steps away. The Broad Street Line is directly below the Field House and the Market East Station is in walking distance. The Field House is also accessible from Filbert Street, across from the Reading Terminal Market.

Hope to see you there!

The Philadelphia Section of the YCC

www.PhilaYCC.org

For parking information, including discounted lot information visit:

www.fieldhousephilly.com/parking.php



CHEMICAL CONSULTANTS NETWORK JUNE 9, 2010 MEETING

Visit the CCN web page at www.chemconsultants.org

Date and Location: Wednesday, June 9, at the Cynwyd Club, Bala Cynwyd, PA
Time: Networking, 5:30 PM; Buffet, 6:15 PM; Forum and Business Session, 7:30 PM

Topic:

ANNUAL OPEN FORUM AL FRESCO BUFFET SPOUSES WELCOME!!!



Program: As in the past, we will informally exchange questions and experiences relating to our activities as independent chemical consultants or our interest in becoming one. This gathering has been one of our most popular and enjoyable events, so don't miss it!

Location: The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA 19004. [MAP](#)

Reservation: To make or cancel a dinner reservation, e-mail CCNReservations@aol.com or call the ACS office at 215-382-1589 (leave message on voicemail if necessary). Fee, including food and beverages (wine, beer & sodas), is \$25 for individuals or \$40 per couple. Reservation deadline is Thursday, June 3. **DRESS IS CASUAL.** Late reservations and walk-ins subject to availability. No-shows will be invoiced. Dietary restrictions accommodated on a limited basis. There is no charge for Forum only, but registration is suggested using contact information above.

American Chemical Society Webinars (ACS Webinars™) is a weekly online event serving to connect ACS members and scientific professionals with subject matter experts and global thought leaders in chemical sciences, management, and business on relevant professional issues. Each webinar is 60 minutes in length, comprising of a short presentation followed by Q&A with the speaker. The live webinars are held on Thursdays from 2-3pm ET and recordings of the past webinars are available online. View and register for upcoming events at http://boilthisdown.org/?page_id=385 or email acswebinars@acs.org.



June 3, 2010 - Effective Technical Writing – Tips and Strategies Every Scientist Should Know. Does your job require frequent technical writing? Do you ever feel frustrated with technical writing, either with your own or that of others? Technical writing is a regular, but often considered painful, part of life for many scientists. Fortunately, there is help! Improve your technical and scientific writing skills without leaving your desk! Join our speaker

Aline Harrison, the instructor for Effective Technical Writing Short Course offered by the American Chemical Society Office of Professional Education, as she shares tips on how to improve your ability to write technically, the “pain-free” way.



June 17, 2010 - A Life of Innovation – Finding Your Passion. How would you like to shape your scientific legacy? Get inspired with remarkable life stories of great scientists. David Walt's Laboratory at Tufts is world-renowned for its pioneering work that applies micro and nanotechnology to urgent biological problems. Join us as David Walt, an accomplished educator, researcher, and entrepreneur shares his journey and his passion for science and innovation. Learn how to uncover your passion and build your own journey!



July 1, 2010 - From Laboratory to Licensing: Protecting Your Intellectual Property Along the Way. You may be working on breakthrough research but do you know how to protect it? Scientific professionals devote a tremendous amount of time and energy to create valuable intellectual property; yet, many do not invest the necessary time to learn what it takes to protect their work. According to the U.S. Patent and Trademark Office, in 2009, just under forty percent of patent applications were granted. Navigating the path from discovery to market can be complex and tricky. Learn from our speaker, Tom Steinberg, of Roberts,

Mlotkowski, Safran & Cole, strategies you need to know to protect your life's work.



July 8, 2010 - Chemicals & the Economy Mid-Year Updates – Impact and Outlook for Executives and Scientists. Recovery is the new buzzword, but is it here to stay? Would you like to know what indicators to watch for? The chemical industry is a well-known leading indicator for the world economy. Yet chemical professionals are often unaware of this significance. Learn from our speaker, Paul Hodges, of International eChem, strategies for navigating these uncertain economic waters. Learn how understanding the economy and chemical industry trends can help you better plan for your career and business.



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Put "Volunteer" in the subject line or leave a message including contact information.



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The North American Thermal Analysis Society will hold its 38th NATAS Conference and Short Course from August 14-18, 2010 at Houston Hall University of Pennsylvania.

Anyone wishing to present a paper or poster should contact Larry Judovits, Arkema, program chairman, at

Larry.Judovits@arkema.com
ASAP

For complete information go to
www.natasinfo.org.



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Summer 2010 course offerings include:

- Forensic Chemistry

Several courses will be available in fall 2010, including:

- Nanomaterials (new course!)
- Environmental Chemistry
- Medicinal Chemistry
- Toxicology
- Advanced Organic Chemistry
- Advanced Inorganic Chemistry

Graduate courses at Villanova can be taken for professional development or as credit towards a master's degree in chemistry.

For more information please contact:

Dr. Eduard Casillas, Program Director

610.519.5236

eduard.casillas@villanova.edu

chemgrad@villanova.edu

www.gradchem.villanova.edu



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2010 CALENDAR OF EVENTS

Date	Event	Locations
Thursday, June 3	ACS Webinar: Aline Harrison, York College: <i>Effective Technical Writing – Tips and Strategies Every Scientist Should Know.</i>	http://boilthisdown.org/?page_id=385
June 7-9	Chromatography Forum of the Delaware Valley Short Course: <i>Advanced LC and Lab with Hands-on LC/MS</i> (lecture and laboratory)	Ursinus College Collegeville, PA http://www.cfdv.org
Wednesday, June 9	Chemical Consultants Network: Annual Open Forum	Cynwyd Club Bala Cynwyd, PA www.chemconsultants.org
Thursday, June 10	Young Chemists Committee monthly social	The Philadelphia Field House Philadelphia, PA http://www.philaycc.org/
Monday, June 14 Luncheon Meeting	Honoring Our 50-year Members: Joseph S. Francisco, 2010 ACS President: <i>Celebrating Golden Opportunities, Creating a Boundless Future</i>	McCall Meeting and Conference Center Highland Park, PA
Tuesday, June 15	Chromatography Forum of the Delaware Valley: Frederick Tepper, Argonide Corp.: <i>Ultra High Efficiency Biological Depth Filter</i>	D'Ignazio's Towne House Media, PA http://www.cfdv.org/
Thursday, June 17	ACS Webinar: David Walt, Tufts University: <i>A Life of Innovation – Finding Your Passion</i>	http://boilthisdown.org/?page_id=385
June 21-24	ACS short courses in Philadelphia	http://www.proed.acs.org/circuit/circuit_course_philadelphia.cfm
Thursday, July 1	ACS Webinar: Tom Steinberg, RMSC Law: <i>From Laboratory to Licensing: Protecting Your IP Along the Way</i>	http://boilthisdown.org/?page_id=385
Thursday, July 8	ACS Webinar: Paul Hodges, International eChem: <i>Chemicals and the Economy Mid-Year Updates – Impact and Outlook for Executives and Scientists</i>	http://boilthisdown.org/?page_id=385
August 22-26	Fall National Meeting	Boston, MA
Thursday, September 16	TBA	TBA
Thursday, October 21	TBA	TBA
Saturday, November 6	Women Chemists Committee: P.A.G.E.S. TM -- (Philadelphia Area Girls Enjoying Science)	Chestnut Hill College Philadelphia, PA
Thursday, November 18	Ulyot Lecture: Susan Solomon, University of Colorado at Boulder and NOAA	Chemical Heritage Foundation Philadelphia, PA
Saturday, December 11	Herb Bassow Memorial Chemical Demonstrations and Hands-on Activities	TBA