Philadelphia Section Teaching Awards

Dr. Bill Smith, Section Chair; Dr. Madhu Mahalingam, University of the Sciences Undergraduate Teaching Award winner; Jeremy Wolf, Palisades High School, Pre-College Teaching Award winner; Dr. Rick Ewing, Section Awards Committee Chair.

HIGHLIGHTS

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ADVANCE NOTICE

SEPTEMBER MEETING

Thursday, September 17, 2015

TBA

See the SEPTEMBER issue of the Catalyst for details, call the Section Office at (215) 382-1589 or email PhilaACS@aol.com.
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Advertising: Vince Gale, MBO Services, P.O. Box 1150, Marshfield, MA 02050,

phone: (781) 837-0424; email: cust-svc@mboservices.net.
Our May meeting at the University of the Sciences in Philadelphia on Thursday, May 21st featured awards to gifted chemical educators. Our award for teaching undergraduate chemistry went to Dr. Madhu Mahalingam, Associate Professor of Chemistry at the University of the Sciences and an internationally known scholar in the area of chemical education. Dr. Mahalingam spoke about her research on improving undergraduates’ laboratory experiences through providing time for students to have structured dialogs in the pre-lab, lab, and post lab phases of their investigations. She has found strong support for both increased student conceptual understanding and for increased positive student attitudes toward chemistry laboratory work. I encourage educators who missed this talk to read some of Dr. Mahalingam’s published work on the subject. It will be a fun read!

Our high school teacher awardee, Mr. Jeremy Wolf, from Palisades High School, thanked the Section and his colleagues in the form of a delightful poem in which he detailed his love for his students, his love for chemistry, and his wins, disappointments, and wisdom gained along the way!

Our June meeting will be all about honoring the careers and the dedication of our members with 50 and 60 years of service to the American Chemical Society. Please join us at the Adventure Aquarium in Camden on June 23rd for our lunch meeting. We will be in a delightful room lined by glass walls that allow the sea life to be viewed as we hear about the accomplishments and persistence of this distinguished group of our colleagues.

Thank you for all that you do!

For those wishing to get more involved with our Section, my door is always open.

willsmith2@aol.com
(215) 638-7453
THE PHILADELPHIA SECTION, AMERICAN CHEMICAL SOCIETY

JUNE MEETING

Honoring Our 50- and 60-Year Members

with

Presentation of 50- and 60-Year Certificates

Tuesday, June 23, 2015
NOTE DATE CHANGE!!

1:00 PM

Luncheon at 12 Noon

Adventure Aquarium
1 Riverside Drive
Camden, NJ 08103

Luncheon cost: $35; Students with reservations and ID: $18

RESERVATIONS should be made by calling Mrs. Harper at the Section Office, (215) 382-1589, or emailing PhilaACS@aol.com by 5:00 PM, Thursday, June 18th. Cancellations, if necessary, cannot be accepted after NOON on Tuesday, June 21st. UNCANCELLED RESERVATIONS WILL BE BILLED.


The Board of Directors will meet at 2:00 PM at the Aquarium.
NEWS ATOMS—Alan Warren

DEATHS

**William H. Calkins**, retired DuPont employee, January 24th at 96. He served in the US Army in the Aleutian Islands during World War II. He later joined DuPont where he worked in various research and managerial positions. After retiring in 1985, he taught fuel sciences as an adjunct professor in the chemical engineering department at the University of Delaware until 1999.

**Jay F. Young, Jr.**, February 6th at 68. He was an environmental engineer with PSC Environmental Services.

**Mary H. Whitman**, visiting scientist and teacher, April 5th. She was a visiting scientist and researcher at several organizations including the National Cancer Institute, National Institutes of Health, and the chemistry department of Carnegie Mellon University. She taught undergraduate and graduate courses at Thomas Jefferson University, Villanova, and the University of Maryland’s school of medicine. Whitman was a member of the alumni board of directors of the graduate school of biomedical sciences at Thomas Jefferson University. She was active in the American Medical Writers Association and received many honors for her biomedical writing and research.

**Alice McLaughlin Davis**, research chemist and teacher, April 16th at 83. As a research chemist she was employed by Ciba Pharmaceuticals, Sherwin-Williams, and Arizona Chemical. In 1972 she joined the faculty of the William Penn Charter School and taught all of the chemistry courses as well as the history of science. She was the first upper school female science teacher and first female department head. She received a national teaching award presented by President Bill Clinton at the White House.

**Newman Bortnick**, industrial research chemist, April 20th at 93. While at the University of Minnesota where he obtained his BS and PhD degrees, Bortnick held a two-year Sharp and Dohme teaching fellowship. He then joined Rohm and Haas as a research chemist and spent his career of 67 years with the firm plus two additional years with Dow, having achieved the highest scientific rank of corporate research fellow. He continued to consult for the company until age 89. He was involved in the discovery, development, and manufacture of polymer resins including Plexiglas.

Bortnick held over 100 patents and authored numerous scientific papers in many journals. He was a director at large of the ACS, chaired the Chemical Abstracts board, and was past chairman of the Philadelphia Section. In 2000 he was honored with the outstanding achievement award of the University of Minnesota. He and his late wife Lillian established a chemistry undergraduate scholarship fund at the university.
Newman Bortnick was also active in civic and cultural affairs. He served on the Springfield Township planning commission and the school board, and founded and served on the board of the township’s free library.

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.

INTERESTED IN SERVING IN THE PHILADELPHIA SECTION?

We’re drawing up the slate of candidates for the fall 2015 election. Specifically, we are looking for members interested in the chair-elect position. The chair-elect is a three-year commitment. In the first year as chair-elect the winning candidate chairs the Section awards committee and the program committee, which plans the events for the following year when the chair-elect becomes the Section chair. In the second year the chair conducts the Section meetings. In the third year the winning candidate becomes the past-chair and serves as the chair of the nominations committee. Although these responsibilities may seem onerous, the board of directors plays a significant role in all aspects and running the Philadelphia Section really becomes a shared task. There are many outstanding volunteers in our Section! So even if you are unsure about your availability for three years, please consider running for the position of chair-elect.

If you would like to run please get in touch with Steve Fleming (sfleming@temple.edu) or Libby Harper (PhilaACS@aol.com or (215) 382-1589).

2015 Scholastic Achievement Award Winners at the April Meeting

Front from left: Kristin Gagne, Jeffrey Waters, Michael Pogash, Lee Serpas, Harrison Bradley, Susan Jones.

ADMINISTRATIVE SECRETARY POSITION

The Philadelphia Section of the American Chemical Society is seeking an Administrative Secretary who will be responsible for the routine administrative and secretarial work of the Section.

Job responsibilities include correspondence, document preparation, project coordination and maintaining liaison between the Philadelphia Section’s various committees.

The successful candidate will be professional, courteous and work well with others. We are looking for someone who enjoys working with minimal supervision. The ability to prioritize and work adaptively in a multi-tasking environment is essential.

Additional requirements are:

- 5 to 7 years’ experience as an executive or administrative secretary,
- Proficiency with the Microsoft Office suite, including Word, Excel, Power Point and Outlook,
- Familiarity with “meeting at a distance” and “remote conferencing” software,
- Excellent written, verbal and interpersonal communication skills,
- Familiarity with web-based promotion and publicizing is a plus but not required,
- Familiarity with the profession of chemistry is a plus but not required.

This position is a minimum of 20 hours per week. The Administrative Secretary must be able to attend monthly meetings of the Board of Directors of the Section and some Section committee meetings.

Resumes and salary requirements should be submitted to the attention of:

Search Committee PhilaACS@aol.com
Philadelphia Section ACS,
Department of Chemistry,
University of Pennsylvania,
Philadelphia, PA 19104-6323
HONORING OUR 50-YEAR MEMBERS

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

**DR. CONRAD BERGO**

Conrad Bergo received a Bachelor’s Degree from St. Olaf College and his PhD from the University of Minnesota. He went to Chiang Mai University in Thailand as a Peace Corps Volunteer to teach organic chemistry courses and laboratories. His research group worked to identify the estrogen ingredients of the root kwao. They also studied stretching frequencies of carbonyl bonds relating to Hammett σ values for nearby groups. Following a Postdoctoral Research appointment at the University of Kentucky, he joined the faculty at East Stroudsburg University to teach Physical Chemistry and General Chemistry. He is presently working on the International Activities Committee of the Division of Chemical Education of the ACS and is active in the Chemical Heritage Foundation in Philadelphia. In his global travels he is working to modernize teaching laboratories and promoting green chemistry in developing countries.

His wife, the late Nancy Wallace, was an accomplished and award-winning artist. She used watercolor and collage to express her love of music, oceans and Asia. Her work was displayed at numerous shows in Pennsylvania, New Jersey and North Carolina.

**DR. ROBERT J. CHORVAT**

Originally from Chicago, Bob is currently Chief Scientific Officer at Jenrin Discovery (www.jenrindiscovery.com), a company developing cannabinoid-1 receptor inverse agonists that have potential as therapeutics for liver diseases, diabetes and obesity. This project is being carried out in collaboration with scientists at the NIH through a grant awarded by their BrIDGs program.

After receiving his undergraduate degree in chemistry from St. Procopius College (now Benedictine University) and his PhD in organic chemistry at Illinois Institute of Technology, Bob began his career as a medicinal chemist in 1968 at G.D. Searle and Company focusing on steroid research – Searle was the first company to market an oral contraceptive (Enovid, 1957). In 1987 Bob joined Du Pont Pharmaceuticals where, as a Director/Associate Director, he led medicinal chemistry groups in the cardiovascular and CNS programs, and established an intranet competitive surveillance system that provided colleagues access to information on relevant research and development activities of competitors. Since its in-
ception 10 years ago, Bob has been with Jenrin Discovery developing compounds that exert their beneficial effects through interactions at peripheral receptors, do not penetrate the blood-
brain barrier, and are devoid of neuropsychiatric liability.

Bob has over 40 publications, has written 3 book chapters and holds 60 issued US patents. He was an Adjunct Professor of Medicinal Chemistry, College of Pharmacy, University of Illinois - Chicago (1987-89), a member of the Scientific Advisory Board, MediChem Research (2000-02), and has consulted for a number of small biopharma companies.

**DR. CHRISTOPHER M. CIMARUSTI**

Dr. Christopher M. Cimarusti obtained a BS in Chemistry at Providence College, a PhD in Organic Chemistry from Purdue University and performed Postdoctoral Research at Columbia University with Professor Gilbert Stork.

He spent 37 years at Squibb/Bristol-Myers Squibb; his last position with BMS was Senior Vice President, Pharmaceutical Development Center of Excellence with responsibility for all of the CMC disciplines, Clinical Supply Operations and Project Management. He co-led the Exploratory Development Operating Committee that oversaw the early development of the BMS portfolio (30-40 individual project compounds).

Dr. Cimarusti was awarded more than 60 patents. While a drug-discovery chemist at Squibb, he synthesized the beta-blocker nadolol and the monobactam antibiotic aztreonam for the first time. He has published more than 40 papers in refereed journals in the areas of cardiovascular, steroid and β-lactam chemistry.

Dr. Cimarusti has more than 45 years of experience in the discovery, development and manufacture of small molecules as new medicines. He currently serves as a consultant, providing advice and strategy at the project, portfolio and company level. He is a member of several scientific advisory boards and a Director of Neuland Laboratories, Ltd.

**DR. JAMES C. DAY**

After receiving his BS in chemistry from the University of Hartford in 1966, James Day did his graduate work at Case Western Reserve University and received his PhD in physical organic chemistry in 1972. He then moved on to the Pennsylvania State University for post-doctoral work in free radical chemistry.

He joined the Rohm and Haas Company working in the Monomers Research area. His work involved process development in separations technology and development of various new routes to acrylates and methacrylates. His background in free radical chemistry was
put to use in studies of the inhibition of monomer polymerization. He retired from Rohm and Haas in 2002.

Since retirement he has pursued his hobbies of astronomy and stamp collecting. He has also enjoyed a number of road trips to a number of the country’s national parks.

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**DR. JOHN R. DODD**

A native Coloradan, John did his undergraduate degree in chemistry at the University of Colorado, Boulder. Subsequently, he completed doctoral work in Organic Chemistry in 1970, under Dr. Howard Zimmerman at the University of Wisconsin, supported by an NIH fellowship. After completing postdoctoral study, as an NIH fellow at Iowa State University under Dr. Glenn Russell, he began his professional career teaching in the Chemistry Department at Emory University in Atlanta, GA.

In 1976 he moved from academia to industry, joining the R&D department at Conoco Inc. in Ponca City, OK. In 1985, he moved to an R&D position at DuPont in Wilmington, DE. Over the years his research has covered a broad spectrum including photochemistry, radical ion studies, phenolic chemistry, hydrocarbon cracking, chemicals/polymers for electronics, and photoresist technology.

In 1993, he became a registered US Patent Agent. At this time he transitioned from chemical research to intellectual property work for DuPont. He continued working in intellectual property in technical areas such as holography, electronic polymers, and photoresist technologies, until his retirement from DuPont’s Legal Department in 2013. He is an inventor or co-inventor of over 20 patents issued by the US Patent and Trademark Office.

Residents of PA, he and his wife (DeeDee) of 48 years have a daughter Melissa in CA and a deceased son Trevor.

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**DR. DONG HAN KIM**

Dong Han Kim was born (1934) and raised in Korea. During the Korean War, he, as a high school student, supported family and saved money for college by working at a US Army installation (802 Aviation Engineering Battalion) at night, while attending school during the day and managed to pass the entrance examination for Seoul National University where he earned a BS in chemistry in 1957. After a brief stint at the Scientific Research Institute, Department of National Defense, Republic of Korea as an assistant researcher, he participated in the start-up of the urea fertilizer plant of Chungju Fertilizer Co., the first major and state of the art chemical complex in Korea constructed with US aid. After seeing the steady production of the fertilizer that Korean farmers needed badly at the time, he landed in the US to pursue graduate study at the University of North Carolina-Chapel Hill, where he received a PhD in or-
ganic chemistry in 1965. He was then involved in drug design and discovery research at Wyeth Laboratories, Inc. until 1986 when he was recruited to initiate a chemistry department at Pohang University of Science and Technology (POSTECH) in Korea, a new research-oriented teaching institution established by POSCO, one of the leading steel mills in the world. The department that he started from scratch and nurtured over the years had emerged not only as one of the best chemistry departments in Korea but a world-class chemistry institute by the time of his retirement in 2004. In addition, he directed the Center for Biofunctional Molecules, a center of excellence founded by the Ministry of Science and Technology, and the Research Institute of Science and Technology of POSCO as a vice-president, and served as dean of the graduate school of POSTECH as well. He is Professor Emeritus of POSTECH and Yanbian University (China).

Professor Kim was the inventor of over 70 US patents and published more than 130 research papers in peer-reviewed international journals including Nature. Numerous review papers and chapters in books were credited to him, and he authored textbooks on drug design and discovery. He served as a member of the editorial board of five international journals in the fields of heterocyclic, medicinal, and bioorganic chemistry.

He has been active in the Korean Chemical Society, serving in various capacities including president of the medicinal chemistry section, the biological chemistry section, and vice-president of the society. He received the Yi Tai Kyu award, the most prestigious award given by the Korean Chemical Society, and SangHer Award. He is a senior fellow of the Korean Academy of Science and Technology. Dr. Kim joined the American Chemical Society in 1962 and is an emeritus member.

Dr. Kim was a charter member and an elder of the Korean United Church of Philadelphia, a Presbyterian church which has grown to over 1,000 members. In addition, he was also actively involved in numerous Korean-American scientific organizations including the Korean Scientists and Engineers Association (KSEA) whose members exceed 2000 as its charter member and later as a president.

RAYMOND LEARY

In the 1960s I earned a BA from La Salle College and an MA from Villanova University, both in chemistry. With youthful self-confidence and two degrees in hand, I envisioned a brilliant foray into the business world after earning an MBA. To financially support the endeavor, I took what I told myself would be a short-term (one or two years at most!) teaching position in chemistry at a private school in Philadelphia, Northeast Catholic High School. After eight years as a high school teacher, including four years as Science Department Chairman, I accepted a full time appointment as a Chemistry Professor at Montgomery County Community College in Blue Bell, PA. I have continued to teach at the college for the past 40 years, including 18 years in the position of Coordinator for Physical Sciences. I never expected to pursue a lifetime of teaching, but I have had an incredibly rewarding career in the classroom with constant challenges and
great personal and professional satisfaction. (By the way, I abandoned the MBA program due to the excessive stimulation of an academic environment.)

My wife and I have two sons and three young grandsons, who keep us delightfully occupied during our free time. I have also been blessed to indulge another passion: traveling the world. I have been to all 50 states, every continent, and about 110 different countries or special regions of the world. I expect to reach my 50th year of teaching within two years. The combination of chemistry, the classroom, and the community college has given me decades of pleasure and fulfillment. My plan is to continue the exciting journey.

**DR. BILL MARMER**

Bill’s inspiration for chemistry began at Northeast HS, Philadelphia (class of June 1961), where a chemistry teacher encouraged him to assemble a small chemistry kit for “research” at home. Some time after his friends suffered from whiffs of chlorine and hydrogen sulfide, he went on to earn an AB in Chemistry from Penn (1965). His first exposure to true research was as an undergraduate research fellow in Madeleine Joullié’s lab. He went on to earn a PhD in Chemistry (1970) at Temple University under Daniel Swern and then did a post doc at the USDA’s ERRC in Wyndmoor.

Bill accepted a permanent appointment to ERRC in 1975 and stayed there for a full career in agricultural utilization research until he retired in 2008. For the last 21 years of that career, he managed a large program that studied conversion of fats and oils to lubricants, surfactants, biopolymers, and biodiesel; and added value to hides and wool. He interacted with peers internationally and traveled extensively, published over 200 papers and patents, and was active in ACS (Chair, CELL, 2000; CELL Fellow, 2007), the American Oil Chemists’ Society, and the American Leather Chemists Association (President, 2007; Lollar Award, 2007; Alsop Award, 2008).

Away from the lab, he and his wife, Benne, raised two children, David and Rachel, in their Fort Washington, PA home. David, wife Nicole, and son Evan live nearby. Rachel, husband Ben, and son Jonathan live in suburban Washington, DC. In retirement, Bill researches the family's genealogy, takes courses at Temple University's Lifelong Learning Society, spends time at the gym, serves as an officer on the condo board at their shore place in Ventnor, NJ, and collects thousands of pictures of his two-year-old grandsons.

**DR. HELEN REID**

Helen Reid, a former chair of the Philadelphia Section of the ACS, grew up in Cameron, TX. Alcoa built a large manufacturing plant nearby during her childhood and she became interested in science during middle school years when her mom had radiation therapy for cancer. She was fortunate to be selected for a “summer science program” at Texas Woman’s University where she spent 12 weeks studying the typical freshman chemistry course between her junior and senior high school years. She returned to TWU as a chemistry major and spent a junior year abroad
at the University of Ghana in West Africa studying physics, math, economics of developing nations, and the history of sub-Saharan Africa.

Following graduation, she searched for a position as an industrial chemist but soon learned that few companies were hiring women for lab work. She continued graduate studies at the University of Iowa in organic chemistry and obtained a position at Shell Chemical Company in Norco, LA, working on an environmental studies project. After two years at Shell, she entered graduate school at LSUNO to pursue a doctorate in inorganic and analytical chemistry. When Helen and her husband came to Pennsylvania, she became a faculty member at West Chester University who was to develop a forensic chemistry degree curriculum. Her background in organic, analytical, and inorganic chemistry served well to build the forensic chemistry course with its instrumental analysis laboratory, the toxicology course, and internship positions in various federal, state and municipal laboratories. Helen also spent several summers working in forensic laboratories, such as the New York City Medical Examiner’s DNA lab, in order to gain more knowledge of standard operating procedures.

When she retired from WCU, she maintained her interest in chemistry and has taught a high school chemistry course at Villa Maria High School in Malvern. Currently she is teaching an introductory chemistry course at Longwood Gardens for professional gardeners to more closely examine the role of chemistry in horticultural materials such as plant growth regulators, herbicides, and pesticides.

**DR. WILLIAM J. RISTEY**

After graduating from high school in Arkansas, he received a BS in Chemistry from the University of Memphis. His PhD at Vanderbilt University was in physical chemistry. The analysis of a single crystal structure (photographic methods) as a thesis topic reflects the interest in mathematics and spatial arrangement. During an industrial research position an MBA (finance) was obtained at Northwestern University. The structure and fabrication of polyolefins were the principal areas of industrial research.

Chemplex, ARCO and Hercules were the companies where a transition to polymer science occurred. Membership in the American Chemical Society was supplemented with membership in other organizations (High Polymer Group in the American Physical Society, Society of Plastics Engineers and TAPPI). He joined Chemplex and ARCO when new laboratories were initiated for supporting research in structure and morphology of established and new products.

Areas of technical activity and interest included: microscopy (optical, SEM and TEM), x-ray diffraction, MWD (GPC), rheology and special molecular separation methods. Fabrication areas included blown film (LDPE, HDPE and PP) and extrusion coating (LDPE). Later, small company employment led to projects with metal fluxes, aluminum brazing, emulsions and waxes.

An interest in the Boy Scouts of America has continued since youth. Currently, he is a volunteer at the Coatesville Veterans Administration Medical Center. His chairmanship of a committee at
Freedoms Foundation led to honoring a Chaplain whose name was placed on a monument with other Medal of Honor recipients.

DR. GIANLUIGI SOLDATI

In December 1961 I received a Ph.D. (organic chemistry) from the Faculty of Industrial Chemistry at the University of Bologna, Italy. From 1962-1963 I held a Post Doctorate Appointment (NSF at the Chemistry Department of the University of Massachusetts - Amherst).

At the end of 1963 to mid-1965, I returned to Italy at the University of Bologna Industrial Chemistry Department as an Assistant Professor of Undergraduate Physical Chemistry. I then accepted a Senior Research Chemist position from the end of 1965 to 1970 at Uniroyal, Agricultural Chemicals Research, Naugatuck, CT.

From 1970 to 2002 I worked for Carter Wallace Corp, Carter Products Research Division, Cranbury, NJ (mostly inorganic chemistry for personal care products), first as a Senior Chemist, then Senior Research Associate in 1972, Group Leader in 1978, and finally as Director of Research and Development in 1986. I retired in 2002.

I loved chemistry so much that I now collect postage stamps dealing with Chemistry, and I have an exhibit on the History of Chemistry (80 pages from antiquity to the beginning of the 20th century) that has received several awards at National Stamp Shows.

SECTION MEMBERS ALSO CELEBRATING 50 YEARS

Michael Allan Alper, James Henry Barrett, Dr. Joseph Martin Bollinger, Dr. Stephen Francis Brady, James Robert Collie, Jr., John Lamonte Cooper, John Francis Flood, William Fries, Dr. Louis Charles Glasgow, Richard James Harwood, Dr. Thomas Richard Koszalka, Hanna Halyna Kricka, David A. Larson, Dr. Virginia Anne Li Volsi, James Lomax, Dr. Eugene J. McGonigle, Dr. Patrick C. Mowery, Robert James Nash, Dr. William Edward Smith, Dr. Takashi Yonetani, Dr. Michael J. Zelesko.

SECTION MEMBERS CELEBRATING 60 YEARS

Charles Edward Crepeau, Dr. Jose Ramon De La Vega, Paul Adolph Fertell, Helen Anne Gruber, Dr. Lee Richard Harper, Dr. Mark Harry Krackov, Glenn Walston Lindberg, Dr. Colin Francis McKay, Dr. John G. Nikelly, Edward Albert Rodzewich, Dr. Richard Martin Rosenberg, Dr. Stanley Robert Sandler, Henry Gerrit Schouten, Dr. Robert F. Sklar, Dr. Ernest W. Valyocsik, Mr. Edwin Roth, Dr. Richard Piccolini, Dr. Martin Vogel.
<table>
<thead>
<tr>
<th>University</th>
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<tr>
<td>Arcadia University</td>
<td>Kristin Gagne</td>
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<tr>
<td>Bryn Mawr</td>
<td>Summer Baker Dockrey</td>
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<tr>
<td>Chestnut Hill College</td>
<td>Amanda Vogel</td>
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<td>Delaware Valley College</td>
<td>Sarah Vezzetti</td>
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<td>Drexel University (Chemistry)</td>
<td>Lee Serpas</td>
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<td>Drexel University (Chemical and Biological Engineering)</td>
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<td>Eastern University</td>
<td>Mary Frances Barr</td>
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<td>Haverford College</td>
<td>Rebecca Wai</td>
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<td>Lincoln University</td>
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<td>St. Joseph’s University</td>
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<td>Swarthmore College</td>
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<td>Temple University</td>
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<td>University of Pennsylvania (Chemistry)</td>
<td>Vinicius Ferreira</td>
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<td>University of Pennsylvania (Chemical and Biomolecular Engineering)</td>
<td>Shannon E. Keenan</td>
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<td>University of the Sciences in Philadelphia</td>
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<td>Chemistry:</td>
<td>Susan Jones</td>
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<td>Biochemistry:</td>
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<td>Ursinus College</td>
<td>Aubrey Paris</td>
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<td>Villanova University (Chemistry)</td>
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<td>Villanova University (Chemical Engineering)</td>
<td>Brian J. Delancy</td>
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<td>West Chester University (Chemistry)</td>
<td>Taryn Lucas</td>
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<td>Widener University (Chemistry)</td>
<td>Jeffrey Waters (dual major)</td>
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<td>Widener University (Chemical Engineering)</td>
<td>Jeffrey Waters (dual major)</td>
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Do these situations apply to you?

- I’m finishing my PhD in organic chemistry, but now I want to become a patent lawyer. How do I go about discussing this with my primary investigator?

- I just lost my job in a corporate restructuring and haven’t written a resume in over 15 years. Where do I start?

- I’ve been working at my company for over 10 years and feel that I deserve a pay raise. How do I negotiate this with my employer?

- I’m a chemist, and my career situation isn’t on this list. Who can help me?

Whatever your situation, the ACS Philadelphia Section’s Career Services Committee is here to help! ACS Career Consultant Lori Spangler will moderate this meeting to allow you to discuss your career concerns so that you may get the most out of your career. Bring your resume or cover letter if you like or just bring only your ideas and questions – all career concerns are fair topics for discussion!

For more information and to register for this free service, please visit: http://acsphillycareerclub7.eventbrite.com

The Career Club is free and open to all chemists, regardless of employment or student status.

The Community Center is located inside the Giant Super Food Store in Willow Grove, Pennsylvania. It offers four, quiet conference rooms in an area totally separated from the supermarket. The Community Center is readily accessible from the Pennsylvania Turnpike (I-276), PA 309 and PA 611, and it is a 10 minute walk from the Willow Grove SEPTA Regional Rail Station (Warminster Line).

PLEASE NOTE: You are more than welcome to bring food and drink to the Career Club, but your food and drink must be purchased at this Giant and not brought in from any outside vendors. This Giant Super Food Store offers a salad bar, a hot bar, pizza, sandwiches and coffee that is available for purchase. It is highly recommended that you purchase any food or drink before the start of the Career Club, as food services at the Giant may close during our meeting.
CHEMICAL CONSULTANTS NETWORK
20th ANNIVERSARY CELEBRATION

Wine Tasting & Dinner
Wednesday, June 10, 2015 at 6:00 PM
The Cynwyd Club

Please join your fellow CCN members, spouses, & friends for a gala celebration of our
20th Anniversary ~
Wine, food, fellowship, & a short slide show of how it all began…

Click here to register

Location: The Cynwyd Club, 332 Trevor Lane, Bala Cynwyd, PA 19004. From I-76, drive S on City Line Ave. (US Rte. 1). Turn right on Conshohocken State Rd. (Rte. 23); stay in right lane. After second light watch for white left-turn arrows painted on street (about 0.14 mile). Do not follow Rte. 23 left at turn but instead go straight ahead onto Llandrillo Rd. (passing to the right of Valley Press printing). After one block bear left onto Trevor Lane at stop sign. Clubhouse and parking are on the left. Please park in lot if space is available; otherwise park on Trevor Lane. If lost, call the club at 610-667-4524, ext. 312. MAP

Reservation: Click here to register or e-mail CCNReservations@aol.com or call the ACS office at 215-362-1589 (leave message on voicemail if necessary). Fee, including food and beverages (wine, beer & sodas), is $40 for a single and $60 for a couple by the reservation/cancellation deadline Sunday, May 31st. Dietary restrictions accommodated on a limited basis.
www.chemconsultants.org
Editor’s Note: These are the minutes as approved by the Board of Directors and have not been edited for inclusion in the Catalyst.


Excused: Judith Cohen, Anne DeMasi, Douglas Hausner and Judy Summers-Gates.

Absent: John (J.P.) Northrop.

Also present: Elisabeth Harper, Carol Jean Bruner, Joe Martino, Judith Currano (Councilor), Marge Mathews (Communications Committee), Kelsey VanGelder (U.Penn. ACES), Lindsay Wood Leal (U.Penn. ACES) and John Tierney.

The 667th Board Meeting of the Philadelphia Section, ACS, was called to order at 4:04 pm. A quorum was present.

1. Minutes
   Because the Secretary was still in the process of establishing the Board Members in attendance at the January meeting, the vote on the January Board Meeting Minutes will be delayed. The Chair expressed his intent to submit the finalized January Minutes to an e-vote.

2. Committees
   A. Career Services, Joe Martino, acsphillycareerservices@gmail.com
      Joe Martino reported:
      1) Career Services discussed the next topic for a career workshop for experienced professionals that is scheduled for May 2 from 6PM to 9PM at the Community Center of the Giant Super Food Store in Willow Grove, PA. Based on the recent ACS Career Consultant training held last month in Dallas, there is a growing trend in using Skype or Skype-like technology for interviewing candidates, especially for the initial screening. Career Services is currently preparing for such a workshop, but may enrich the workshop with additional interviewing topics depending on the outcome of a LinkedIn poll that is currently being conducted on the Section’s LinkedIn group page.
      2) Our next meeting of the Career Club will take place on Tuesday, March 31, from 6 pm to 9 pm, also at the Community Center of the Giant Super Food Store in Willow Grove, PA, with Joe Martino moderating the meeting.
      3) Career Services now has a tab on the Section’s website to promote its activities, and Joe Martino would like to thank Bill Smith, Marge Matthews and Libby Harper for their help with this.
      4) Career Services is now utilizing the Section’s GoToMeeting services for its teleconferences.

   B. Elections
      Marge Matthews reported:
      Candidate biographies for the fall 2014 Section election were submitted for the candidate’s review and sent to the membership in a timely fashion. However, several candidates requested changes to their biographical information after the deadline for changes had passed. While these requests were accommodated, untimely requests for changes to a candidate’s biographical information will not be entertained in future elections.
      Questions were raised as to the Section’s use of ACS National’s opt-out list for emailing candidate information. The opt-out list is for “commercial” emailing not for Society business such as elections. The matter of the use of the opt-out list, and when it may not be used, is to be checked with ACS National. Note: a future agenda item.

   C. Finance and Budget
      No report.

   D. Younger Chemists Committee, Christine McInnis, CMcInnis@dow.com
      The YCC thanked, in advance, those who have already volunteered to be judges at the March 31, 2015 Poster Session. More volunteer judges are needed.
      Poster Session registration opens March 1st. Local section member deadline is March 13th. Volunteers can sign up at http://PhillyYcc.org.
March 2015 Page 111

**February webinar in a box.** Chemistry of the Silver Screen. Tuesday, February 24, 2015, at 6 pm. Dow Chemical, 400 Arcola Road, Collegeville.

Career paths at Dow

3. Officers
   A. Chair, Bill Smith, willsmith2@aol.com.
   1) ACS Fellows program. Judy Cohen handles Fellows requests for the Section.
   2) ACES Program (U. Penn.), Kelsey VanGelder and Lindsay Wood Leal appeared to speak on behalf of the U.Penn. ACES program. They previously appeared at the Section’s November 2014 Board Meeting. Reported:
      - An Innovative Program Grant application, on behalf of U. Penn. ACES was submitted in December 2014, with Section support.
      - ACES U.Penn. is partnering with the Olney Middle School. ACES will provide Olney Middle School two science labs per week.
      - Website - [www.acesphiladelphia.com](http://www.acesphiladelphia.com). Registration is available through the website.
      - The next ACES program will be May 9, 2015, and will bring 100 high school students to the Penn. campus. These students will have the opportunity to participate in two experiments.
      - ACES had 20 students in its pilot program last summer. 70 students participated in last fall’s program along with 30 volunteers.
      - ACES receives funding from various local sources. Its costs are about $2,000.00 per session.
      - ACES U.Penn requested additional support at this time. This request in light of other anticipated uses of the Section’s recent $3000.00 gift from Merck was discussed.
      - A motion for $500.00 funding now (with an additional $500 possible in the fall) was made, seconded and passed with no nays or abstentions.

   3) 2015 MARM Chemagination: May 16, 2015, noon to 5 p.m., Princeton, N.J. A Philadelphia Section coordinator is needed. Volunteer workers are needed.
   4) Chemists Celebrate Earth Day: A Chemists Celebrate Earth Day coordinator is needed, as are volunteers willing to work.

   Theme – Climate Science – More than just Weather Reports.
   5) Committee needs discussion –
      - Do we need an umbrella committee for K-12 education related projects?
      - Can we better structure and/or restructure our existing committees?
      - Would an industry committee be useful?
   6) Philadelphia Inorganic Colloquium
      - S. Fleming will discuss with Graham Dobreiner, Temple Univ., about forming a Philadelphia Section topical group. Note that the necessary agreements were reached and Philadelphia Inorganic Colloquium will be a new topical group.
         - Reception 5:00 - 6:00 PM in the Alumni and Faculty Hall of Fame, Chem. Bldg., 6:00 pm, Carolyn Hoff Lynch Lecture Hall, Chemistry Building, U. of Pa. Speaking: Dr. Ben Widom, Cornell University, *A Tale of Three Equations: Thermodynamics and Molecular Correlations*

   B. Chair-Elect,. Rick Ewing, ewingwre@comcast.net.
   - No report.

   C. Secretary, Alan Heldon, alan.heldon@live.com.
   - No report

   D. Treasurer, D. Cichowicz, cichowic@lasalle.edu.
   - The February budget has been submitted to the Board by email.
   - There was minor discussion of details.
   - On motion, the Treasurer’s report was accepted with no nays or abstentions.

4. Other Business
   A. Teleconferencing and Distance Participation Equipment Needs
      - Secretary Heldon reported on equipment needs to enable meeting-at-a-distance, member participation-at-a-distance and to use internet related methods to increase member outreach.
      - The presentation focused on meeting-at-a-distance needs and internet outreach methods and member participation-at-a-distance options.
      - The Secretary averred the Section’s use of meeting-at-a-distance for Board, committee and relevant event functions suggests the Section buy an appropriately configured laptop computer. The Section’s large urban nature makes member physical attendance a problem. The internet provides outreach to member options and makes member participation-at-a-distance possible. The Secretary averred the acquisition of the afore-mentioned laptop, a video camera and ancillary equipment would enable the section to explore attendance and participation-at-a-distance and improved member outreach through internet based technologies.
      - Discussion centered on the need to explore proof(s) of concept(s) before investing.
The Chair empaneled a Task Group to explore teleconferencing needs and outreach options in light of membership needs and software and equipment options. Group is A. Heldon, C. McInnis and S. Fleming.

B. Kathleen Shaginaw, Katt@verizon.net. PAGES™ will be April 18, 2015. A keynote speaker is needed. Volunteers are needed.

C. National Chem. Olympiad
T. Straub reports – 666 requests from 26 schools.

There being no additional business before the Board, on motion, the meeting was adjourned at 5:35 pm.

Respectfully submitted,
Alan R. Heldon, Secretary alanheldon@comcast.net

668th BOARD OF DIRECTORS’ MEETING
Thursday, March 19, 2015
University of Pennsylvania, Philadelphia, PA

Editor’s Note: These are the minutes as approved by the Board of Directors and have not been edited for inclusion in the Catalyst.


Excused: Deborah H. Cook, Anne DeMasi, Steven Fleming.

Absent: David J. Cichowicz, Ella Davis, Douglas Hausner, John (J.P.) Northrop, and Denise Thomas.

Also present: Elisabeth Harper, Carol Jean Bruner, Joe Martino, Judith Currano (Councilor).

The 668th Board Meeting of the Philadelphia Section, ACS, was called to order at 4:12 pm. A quorum was present.

1. Minutes
The Minutes of the January Board Meeting had been submitted to the Board for a test of electronic voting. Twelve yeas, 0 nays and 2 abstentions were received by email and the Minutes were considered approved.

The February Meeting Minutes will be presented to the Board by email for discussion and e-voting.

2. Committees
Career Services, Joe Martino, acsphillycareerservices@gmail.com
Joe Martino reported:
Career Services finalized the next topic for the career workshop for experienced professionals scheduled for May 12 from 6 pm to 9 pm at the Community Center of the Giant Super Food Store in Willow Grove, PA. The workshop will cover current trends in interviewing, and will be presented by Joe Martino and Lori Spangler. The workshop will feature interactive exercises for our participants.

Our next meeting of the Career Club will take place on Tuesday, March 31, from 6 pm to 9 pm, also at the Community Center of the Giant Super Food Store in Willow Grove, PA, with Joe Martino moderating the meeting.

3. Officers
A. Chair, Bill Smith, willsmith2@aol.com.
There was discussion as to issues which might be addressed with e-voting as well as limitations on the amount of funds which might be appropriated by e-voting.

Emails exchanged in discussion of a pending e-vote are “corporate records” and “legal documents.”

The foregoing e-vote on the January Minutes validated the e-voting procedure. “Standard Operating Procedures” for e-voting are forthcoming.
2) Executive Committee
The Executive Committee is looking at restructuring the Section’s various committees. Proposals will be submitted to the Board in May.

3) Twitter Account(s)
Liliana Suarez has volunteered to look after our Twitter accounts. There is a need to “straighten out” our various Twitter accounts. Proposals should be sent to Liliana Suarez via Libby Harper at PhilaACS@aol.com.

4) Up Coming Meetings
April 16, 2015, McCall Meeting and Conference Center, 2015 Undergraduate Scholastic Achievement Awards, Dr. Melissa Betz Cichowicz, Associate Professor and Chemistry Department Chair, West Chester University.
May 21, 2015, Philadelphia Section Teaching Awards, Site to be announced, awardees to be announced.
June 18, 2015, 50+ Year Members Meeting, Adventure Aquarium, Camden, NJ, Specifics to be announced.

B. Chair-Elect, Rick Ewing, ewingwre@comcast.net.
Teacher Awards for 2015, Undergraduate teacher nominations and high school teacher nominations have been received and are under consideration.

C. Secretary, Alan Heldon, alan.heldon@live.com.
No report

D. Treasurer, D. Cichowicz, cichowic@lasalle.edu
No report. Treasurer’s Report will be submitted to the Board for e-vote on receipt.

4. Other Business
A. ACS Fellows Report: Judy Cohen reporting: No new nominations received this year. The nomination forwarded was from last year’s list. A second nomination is being considered but is on hold pending additional information.

B. Younger Chemists Committee, Christine McInnis, CMcInnis@dow.com
March 31, 2015 Poster Session has an abysmal preliminary registration. While the event advertising was increased the number of entrants is way down. No apparent reason.
Student participation in YCC has decreased to minimal levels. Most participants are young professionals. Traditionally YCC has held events at universities within the city to accommodate students. The changing demographic dictates more suburban locations.

C. Kathleen Shaginaw, Katt@verizon.net.
PAGES™ will be April 18, 2015. Chestnut Hill College, Speaker: Stefanie Kroll, Academy of Natural Sciences. Volunteers are needed.

D. 2015 Outreach Volunteer of the Year Award was presented to Christine McInnis with acclaim.

There being no additional business before the Board, on motion, the meeting was adjourned at 5:07 pm.

Respectfully submitted,
Alan R. Heldon, Secretary, alanheldon@comcast.net
DIRECTORY OF SERVICES

VOLUNTEER

Committees seeking team members
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- Web Page
- Younger Chemists
- Women Chemists

Contact the Section Office at
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Put “Volunteer” in the subject line or
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All committees are looking for
new members and several are
looking for “take charge” chairs. Some, like the Teller’s Commit-
tee, involve minimal work—one
night per year and pizza pro-
vided. Others, like positions on
Communications or Social
Committees, involve one or two
hours per month.

Committee details can be found at:
http://www.membership.acs.org
/p/philadelphia

or by calling Mrs. Libby Harper at
the Philadelphia Section Office
(215) 382-1589.

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# PHILADELPHIA SECTION, ACS
## 2015 CURRENT CALENDAR OF ACTIVITIES

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<td>Chemical Consultants Network: Twentieth Anniversary Celebration Dinner and Wine Tasting</td>
<td>The Cynwyd Club Bala Cynwyd, PA <a href="http://www.chemconsultants.org">www.chemconsultants.org</a></td>
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**250th ACS Fall National Meeting**  
**August 16-20, 2015**  
**Boston, MA**