



Newsletter for Senior Chemists

NOVEMBER 2018

**A SPECIAL 100TH ANNIVERSARY, A GOLD MEDAL WIN,
LIFE AFTER RETIREMENT, AND A CHAIN REACTION FOR PEACE**

A Special Welcome from the SCC Chair



Thomas Beattie gained his PhD in Physical Organic Chemistry at The University of Wisconsin. His career has been mainly spent working in early stage drug discovery, and he currently consults in the biopharmacy area. He has served on the Senior Chemists Committee (SCC) for several years, and is now the SCC chair. His work on the SCC has included planning the very successful series of Senior

Chemists Breakfasts held at National Meetings, and finding speakers for that event. He lives in San Diego and is a member of the San Diego Local Section.

Welcome again to our Senior Chemists Newsletter, the third of 2018. There is much to report. Following the ACS national meeting in Boston in August, the Senior Chemists Committee (SCC) held a facilitated strategic planning retreat follow-up meeting. The purpose was to review our SCC progress over the past three years, and to see whether we needed to modify the committee's vision, mission, and goals, which now are the following:

Vision: Improve lives using the knowledge and experience of senior chemists.

Mission: Address community needs and ambitions by utilizing senior chemists' knowledge and experience.

Goals: 1. Develop avenues to expand communications and promotions to enhance awareness of senior chemist

In This Issue...

- Message from SCC Chair
- A Gold Win at Wyoming Summer Games
- Delaware 100th Anniversary
- Support the Next Generation - Project SEED Legacy Leaders
- Chain Reaction for Peace
- What to Do After Retirement
- Chemistry is for the Birds Series-Part 8
- Failing Retirement
- The ACS Malaysia Chapter
- Senior Chemists at Regional Meetings
- SOLVE and WIN PRIZE

A GOLD MEDAL FOR GERRY MEYER!



Gerry running in Wyoming Senior Games

Image provided by Laramie Boomerang Newsletter

One of ACS's oldest members competed in the Wyoming Senior Summer Olympic Games from August 2-4 and won GOLD! SCC member Gerry Meyer (99 years old) competed in the 100 yard dash race and took the gold home.

activities. 2. Increase the number of senior chemist groups in local sections. 3. Engage with community groups that benefit from senior chemists' expertise.

With just a few minor tweaks, the new ones are remarkably similar to those created in December 2015.

Consistent with these plans, here are some recent SCC accomplishments:

ACS senior chemists will continue to experience two-way communication with SCC. *The Newsletter for Senior Chemists*, sent out to more than 40,000 ACS members ages 50 and older, has open rates or the percentage of recipients who open the e-mail newsletter of ~28%, an unusually high rate. Our new website has been viewed by more than 1,000 members with 52 downloads to date of our "Senior Chemists Starter Kit". And, our presence on the ACS Network continues to grow – we have more than 250 members who post articles, questions, and observations.

Although we have helped to grow the number of local sections with active senior chemist subcommittees to 32 and 65 senior chemist events were held in 2017, we strongly feel local sections could do more with their senior members. In 2019, we will launch a new initiative in which SCC members connect more closely with their own and contiguous local sections.

Our mini-grant program that awards local sections for senior-related activities is growing, and we are continuing to make two ChemLuminary awards annually.

A pilot program, an ice cream sundae/donut social, at the ACS national meeting in Boston in August for networking seniors with students and young professionals exceeded our expectations. Designed to replace an earlier format, we planned for 40-50 attendees and 80 participated. If you will be attending ACS national meetings in 2019 in Orlando and San Diego, please join us for this networking event. It's a blast you will enjoy.

The season is winding down for local sections to honor their members with long-time service anniversaries. The SCC plan to include 70-year membership and service awards along with the 50- and 60- year awards has been very well received, as judged by feedback given to SCC. In 2017, 118 70-year certificates were distributed through local sections; in 2018, 183 70-year certificates were issued, and there were 287 72-year plus certificates issued (in an effort to see that all senior ACS members were honored).

Next year, we're looking forward to a number of events, including the popular Senior Breakfast at national meetings. As stated before, we hope you will join us. If you have any questions on ways for our senior members to be more involved, please send an email to seniorchemists@acs.org.

He's now preparing to run in the National Senior Games that will be held in Albuquerque, New Mexico in June 2019 and he's looking forward to competing and celebrating his 100th birthday next year.

E. Gerald Meyer, emeritus professor of chemistry and dean of arts and sciences at the University of Wyoming, has been a member of the ACS for 79 years.

THE SENIOR CHEMISTS has a NEW HOME on ACS.org

Visit us at

www.acs.org/seniorchemists



Help the Next Generation

Share Your Thoughts Join the Senior Chemists Group on the ACS Network

Members of the group can communicate with their peers, post announcements about upcoming Local Section events for senior chemists, and start discussions and blogs about subjects of interest. Members will also receive information from the Senior Chemists Committee, which includes *The Newsletter for Senior Chemists*, and details for participating in programs in need of your expertise and experience.

JOIN THE GROUP by selecting the following link for the ACS Network: <https://communities.acs.org/groups/senior-chemists>. If you experience difficulty, please let us know by sending a message to seniorchemists@acs.org

The Delaware ACS Section Celebrates its 100th Anniversary

The following article was written by Norman Henry III, a member of SCC and of the Delaware section

This past year the Delaware Section of the ACS reached an important milestone, its 100th Anniversary. It was originally given its charter in 1917 (see photograph of original signed Charter) and was formed after separating from the Philadelphia and South Jersey sections. It was a section that initially consisted of about 300 members, mostly chemists from industrial companies and professors of universities located in Delaware. These companies and universities included DuPont, Hercules, the University of Delaware, and several others located in the surrounding area which was at that time considered the “Chemical Research Capital of the Country.”



World War I was in progress during the early stages of development of the section and chemists were in demand to develop and produce products to support the war effort. Women chemists were hired to support the war effort at home while men were sent to fight abroad. At the same time universities such as the University of Delaware were being formed (1921) to educate and train potential chemists for careers in chemistry, and to teach them about chemicals, explosives and war gases. Individuals from both industry and the University of Delaware were elected executive officers and technical committee chairmen of the section. Many of them left a rich heritage and tradition for the section that eventually would shift at the end of war to peaceful research and development of products, such as the miracle polymers neoprene in 1929 and nylon discovered by Wallace Carothers in 1935 at DuPont’s Experimental Station.

Members of the section gained recognition as professors and research scientists such as Stephanie Kwolek from DuPont who developed Kevlar in 1965. Three members of the section would receive Nobel Prizes: Medicine (Nathan) 1978, a University of Delaware graduate; Chemistry (Pederson) 1987, a DuPont chemist; and Chemistry (Heck) 2010, a Hercules chemist and University of Delaware professor. Two DuPont chemists, Ed Wasserman who was ACS President in 1999, and Tom Connelly who currently is Executive Director & CEO of the American Chemical Society, are members of our section. These people, the places and things that they invented, discovered, or contributed their time and service to, that comprise our section and its history.

Most, if not all, of this history was captured in our section’s publication “The Del-Chem Bulletin.” It is from archives of the Bulletin published from 1944 – present that I was able to obtain the history of our section to help plan the 100th anniversary celebration for our section meeting.

Historically, the section has functioned through various eras of economic and political change beginning with World War I (1914-1918), the Depression in 1929, followed by recovery and new chemical discoveries from research and development of peaceful products. Then World War II (1939 – 1945) followed, and “The Atomic Age” when nuclear power and chemistry had major impacts on our research programs and our profession (e.g., the Manhattan Project). This was soon followed by the Cold War (1950 – 1965) and the race to put man in space. Meanwhile, new technologies (bio-technology and nano-technology) and new communication systems (computers) were being developed and used to improve our lives. An emphasis was also placed on reviewing environmental pollution (including climate change) and health and safety regulations to improve our health and save our environment. During this time, the section sponsored networking meetings between chemists and biologists to foster better understanding of the contributions of chemistry in the bio-technology era. From the early 1970s to the present, our section and members have supported and participated in many meetings, made presentations, produced publications, and given technical symposia. More recently, “Green Chemistry” was developed; this emphasized the need for sustainability and less dependence on natural resources.

Our section has responded to all these changes, including providing numerous outreach programs to help chemists in our section adjust to changing job opportunities and new technologies and skills they will need to survive in the future.



Delaware Section 2017 Executive Committee - Image provided by Norman Henry, III

Support the Next Generation of Chemists

Each year, as the academic year ends, high school students in the ACS Project SEED program are starting exciting summer laboratory research projects alongside dedicated mentors. Since the program's inception in 1968, Project SEED has provided more than 10,000 bright, economically disadvantaged students the opportunity to explore the field of chemistry. Program alumni share their powerful stories in the Project SEED [Inspiration Lab](#) launched in celebration of the program's 50th anniversary. Be one of the first to visit the site and find out how you can donate now as part of this year's **50 Forward** campaign.

ACS Legacy Leader Jeannette Brown is supporting Project SEED through another avenue as part of her legacy planning. She wants to open doors to allow more students to have the opportunity to become chemists. "The people who are in my will are my Project SEED kids," she says in a short [video](#) about her passion for giving to the program.



ACS [Legacy Leaders](#) are a growing group of people who have included ACS in their wills. Making a residuary bequest by designating a percentage of your estate is one way to support the next generation of chemical scientists. To [plan your legacy](#), contact Mary Bet Dobson at 202-872-6210 or m_dobson@acs.org.

A Chain Reaction for Peace

This is a guest editorial by Zafra Lerman, president of the Malta Conferences Foundation, and Ben Margolin, a volunteer writer for the Malta Conferences Foundation.

Given the tumultuous political situation in the Middle East, it is important - perhaps now more than ever - to foster new grassroots collaborations in the region. Imagine a room with Israeli, Palestinian, and Syrian scientists collaborating on regional issues while also building friendships. For many, this seems impossible. At the Malta Conferences, this is the norm.

The eighth Malta Conference (Malta VIII) was held December 10-15, 2017, in Malta. Malta VIII had workshops that focused on chemical, biological, and nuclear security; air and water quality; sustainability of energy and materials resources; medicinal chemistry, organic and biochemistry, biophysics and biotechnology; science and technology education at all levels; and entrepreneurship and innovation. A total of 26 oral and 39 poster presentations were given in the workshop sessions by participants from the Middle East and Morocco. During the workshop on entrepreneurship and innovation, participants dove in and envisioned companies that would require cross-border collaboration. For example, Israeli and Gazan participants developed the concept of a start-up company, Every Drop Counts, for the conservation of water resources.

Every two years since 2003, top scientists from throughout the Middle East have come together to tackle regional issues despite the hostility among their governments. At the Malta Conferences, the goal is to create a critical mass of scientists to start a chain reaction for peace, to stop demonizing the unknown other, and to resolve regional problems. More than 600 Middle East scientists and 15 Nobel laureates are now in the network.

Politicians see national boundaries; the environment does not. Many aquifers in the Middle East are shared, and pollution knows only one sky. Therefore, no matter how polarized politics can get, there are many environmental issues that one nation alone cannot solve - only regional collaboration can truly have an impact.

So at this year's conference, a resolution concerning water quality in Gaza was drafted and approved overwhelmingly by the participants from the Middle East. This resolution, coauthored by scientists from Israel and Gaza, addressed the most critical aspects of the humanitarian water crisis in Gaza while calling on "the international community to establish a task force that will be able to overcome the political difficulties and will enable professional treatment of the water and environment." As a result of the relationships developed at the conference, Israelis, Palestinians, Jordanians, and Syrians were able to work together toward a common goal.

An Israeli participant said, "Do you know what it means for us to spend five days talking to scientists from countries that otherwise we would never have a chance to meet? We develop friendships and collaborations. Where else can we do it?"

The Malta Conferences continue to face a number of logistical challenges. One of the toughest is finding a host country that will issue a visa to all participants. There are scientists coming from Iraq, Syria, Iran, Egypt, Bahrain, Israel, Jordan, Kuwait, Lebanon, Libya, Oman, Qatar, Saudi Arabia, Turkey, United Arab Emirates, the Palestinian Authority, and Morocco. For Malta VIII, I [Lerman] was up at 3:00 am before the conference began to ensure that Iranian and Syrian scientists would be able to attend. At the end, all invited participants received a visa. Other obstacles include securing all the funding needed for each conference and dealing with the lack of money to employ paid staff. All the fundraising and the organizing of the conference is done by volunteers who serve on the Malta Conferences Foundation Board of Directors.

Despite all obstacles and against all odds, the Malta Conferences continue to play a crucial role for science diplomacy in the Middle East.

This article was reprinted with permission from C&EN; it originally appeared in the January 22, 2018, issue, p. 2. A symposium at the ACS National Meeting in Boston included "Talks About Science Diplomacy and International Collaboration."

The following articles are a part of our on-going series about the many and varied activities of (mostly, but not all) retired senior chemists. We are always glad to hear from senior chemists. Tell us about some of the activities you do or great places to visit. Please send your article, or a suggestion for an article, to the Senior Chemists Committee INBOX (Editor)

What to Do After Retirement? *by Kathy Gibboney*

Kathy Gibboney did her undergraduate work at Saint Mary's College, Notre Dame, Indiana in Chemistry, received an MS in Biochemistry from University of Denver and an MBA in Finance from Xavier University. Most of her career was spent in Pharmaceuticals at Merrell Dow (now Sanofi) and Procter & Gamble doing Analytical R&D, and Compound Management. She lives in Cincinnati and is a member and Councilor in the Cincinnati Section. Her retirement activities have included teaching, volunteer work, family and travel.

Like many of us I had no specific plans for my time once I retired, or sort of retired. I was a Board member of a local hospital foundation. After running focus groups of members of our hospital's seniors program a common comment/complaint that we heard was "sounds great, but I have no way to get there".

We set out to find a solution to our and our city's senior transportation problems. There were ride services in town, but mostly for low income people. We found a reference to a national organization, ITN (Independent Transportation Network) in Portland, Maine. The organization operates through local affiliates around the country. Once we contacted them we began the process to become an affiliate, ITNGreaterCincinnati (ITNGC). As an affiliate, we received help in setting up our organization, and for an annual affiliation fee we continued to receive guidance, training, and access to their proprietary geographical database.

The ITN model is to provide rides to senior citizens and visually impaired adults, primarily to allow seniors to stay in their homes and maintain some sort of normal life style. The rides could be anywhere in the designated geographic area, 24/7, and given primarily by volunteer drivers in their private cars.

Before giving rides, we had to set up a corporation with the State of Ohio, as a 501(c)(3) non-profit organization. Our hospital foundation agreed to sponsor us as an affiliate for the first three years (the affiliate fees were \$35K per year initially, reducing after the first three years). We also set up a board and started looking for an Executive Director (ED). The first three board members were the Executive Director of the foundation, a member from the hospital board, and me.

Within six months we had our ED and a dispatcher hired, donated office space with computers and phones at the hospital, and a small group of volunteer drivers (i.e., board members and friends). We did hire drivers to cover the rides we could not cover with volunteers. One deal ITN offered members who had cars they no longer needed, was a trade of the car for rides, thus building a "fleet of cars" (I think five at one time) which were driven by the paid drivers.



Then the real work began – finding members (our riders had to become members of ITNGC for a small annual fee) and drivers. Our first place to look for members was at local churches, medical practices and hospitals, nursing homes, and senior communities. Word of mouth became significant as we grew. We also had to recruit drivers, which we did through ads in the local papers, church bulletins, volunteer job fairs, bowling alleys, McDonalds for the morning McGeezers coffee group, and again word of mouth. The best volunteers were recent retirees looking for something constructive to do with their time. They found giving back to the community by taking care of our seniors in a very important way to be very satisfying.

We grew and enjoyed great success. We recruited more than 500 members and 79 volunteers over time. Our most common destinations were doctor's appointments, grocery stores, hair dressers, work, volunteer work, bridge games, family gatherings, symphony, even 4:00 am airport runs! I served as the Board Chair and most prolific driver – and enjoyed every minute of it. I gave some very memorable rides, one with a retired U.S. Ambassador to Luxemburg, and one of my regulars who swore all the way from her exercise class to her hospital volunteer job (she was late because she couldn't get her locker at the gym opened). All this at 89 years old!

The biggest "perk" to the "job" was meeting lovely, impressive, story-filled, entertaining, sometimes sad or worried, wonderful (and now and then crotchety) seniors! It's hard to explain how fulfilling the job was – I made a lot of friends and looked forward to seeing folks on a regular basis. I also lost some of those friends, but knew I helped to improve their last years. All of our members were very appreciative of our services and thanked us for "giving them their lives back".

Sadly, we had to discontinue ITNGC after five and a half years, due to lack of funding. It was sad for members and drivers alike. I think our demise was partly due to our lack of fundraising / fundraising experience, but also the seemingly decreasing funds and grants available for senior services.

If I could find some deep pockets for funding, I would do it all over again!

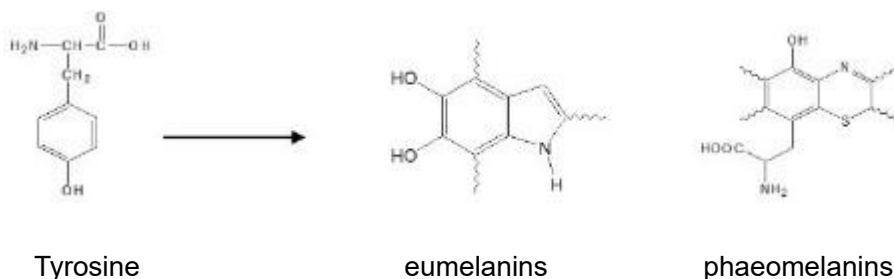
CHEMISTRY IS FOR THE BIRDS - PART 8



The eighth in a series of articles about birds by Dwight Chasar. Dwight has been birding for 35 years, goes out birding nearly every day, and have done so in over 15 countries. He's mostly involved with his North American life list of birds, nearly but not yet 700 species. He also keeps lists of birds he sees each year in all the Ohio counties and particularly those normally seen outside his area. As a volunteer for the Cuyahoga Valley National Park, Dwight leads bird walks for the public 1-2 times a month and organizes spring and fall bird censuses for the park each year. He gives talks to a number of bird clubs and civic groups. His studies and findings are published in local birding publications.

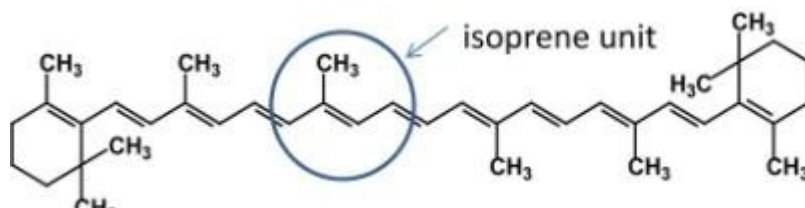
In part 7, I began a discussion on bird coloration and covered the physical interaction of light with feathers. In this and subsequent articles, I intend to address the chemical structures that are now known to contribute to bird coloration, whether feathers or other body parts of birds.

The first of these is melanin. As many readers know, this pigment is responsible for imparting the brown color to our skin when we sun tan. For birds this pigment contributes to the blacks, grays, browns, and, to a lesser extent, some blues. It is manufactured at the epidermis and is not obtained from the bird diet. Melanins are complex two dimensional polymers; the exact structures of melanins have yet to be completely described (a Google search will give you some idea about the structures). There are two basic categories, eumelanin (blacks) and pheomelanin (buff and reddish-brown); the amino acid tyrosine is the starting compound for the synthesis of these two structure types (see below). The melanins act not just as pigments but are also thought to act as antioxidants, photo-protectorants, tissue strengtheners, parasite deterrents, and thermoregulators. Crows and the Golden Eagle are examples of birds whose colors derive from melanin.



Another major class of pigments is derived from beta-carotene. These pigments are responsible for the yellows, oranges, and reds found in our North American birds, e.g., American Goldfinch, Baltimore Oriole, Northern Cardinal, and many others. These carotenoids are obtained from the diets of birds and many times the success of bird coloration depends on the bird's ability to find appropriate food sources. While many of the identified structures may be found in the food source itself, birds can further metabolize these molecules to other colored structures, resulting in a host of colorants, e.g., luteins, xanthophylls, xanthins, etc.

Carotene's basic structural unit is isoprene (same as natural rubber) and when two isoprene units are dimerized, this creates a terpene. Four of the terpenes create a tetraterpenoid, of which beta-carotene is one example (see below). Most often the various carbons in the terminal rings become oxidized, replacing some hydrogens by hydroxyl (-OH) or keto (C=O) groups, while the double bond (C=C) in these rings can also shift locations. These variously highly conjugated structures, too numerous to show here, form the variations for the bird's color palette.



In the next installment, I will cover some of the other structures that contribute to bird coloration.

Failing Retirement Again and Again

by Dwaine Eubanks

The following article was written by Dwaine Eubanks and sent to the SCC Newsletter early in July 2018. Shortly after that, Dwaine passed away unexpectedly on July 23 2018.

His wife, Lucy, encouraged us to publish this article: she describes it as “the last example of Dwaine writing about his philosophy of life”. Dwaine’s life, as is clear from the article, was busy and successful, in both industry and academia and as a well-respected volunteer

with the American Chemical Society, especially in the field of Chemical Education. He also had many hobbies and activities and was a lifelong learner. We shall miss him. (Editor’s note)



It was bound to happen—again. Family and close friends knew that Lucy and I were ill-equipped to be retirees. We would probably fail. And we did. Repeatedly.

Some years before we each retired from the faculty at Clemson University, Lucy and I formed a “C” corporation with two principals, **Lucy Anne Tripp Eubanks** and **Isaac Dwaine Eubanks**. We called the company **LATEst IDEas Inc.** Get it? The company had enough business to keep us engaged for several more years. We had failed retirement. However, after finally dissolving the corporation, we were ready at last to begin our **real** retirement.

Retirement was great. We occupied our time with ACS and its Chemical Education Division (CHED), Clemson’s Osher Lifelong Learning Institute, the Clemson University Emeritus College, the Keowee Sailing Club, trips aboard N5313V, friends and family, plays and concerts, travel, and writing. But we still had too much time on our hands. That is, until Clemson’s Provost offered me the chance to lead the transformation of the Clemson University Emeritus College (CU EC) into a robust, viable unit that fully supported Clemson’s teaching, research, and public service missions.

Clemson emeritus faculty already enjoyed essentially all the perquisites and privileges of active faculty. They were prepared for the idea of giving back to Clemson, providing a host of services to benefit students and active faculty. The administration stood ready to provide all the facility, financial, and personnel resources the College needed. How could I pass up an opportunity to be a part of that initiative? It was interesting. It was worthwhile. The resources were there.

We’re now more than two years into the transformation. CU EC programming is well received and highly touted. The CU EC administrative model is receiving serious consideration from several US and Canadian faculty retirement organizations. Nationally, a strong emeritus organization is increasingly considered to be a win–win for emeriti *and* their college or university. For those of you who are organizing, or strengthening, your own faculty retirement organization, I’m happy to share our experience in building a strong program. It has become my passion. You can learn more about the CU EC at www.clemson.edu/emmerituscollege/.

So I’ve failed retirement yet again. On the other hand, I’m not sitting around wondering what to do with my time. I’ve also learned that failing retirement is common among academics and other professionals. Maybe it’s because we tend to be poor golfers. Or maybe we enjoy verification that we’re participating in something worthwhile. Two of the CU EC’s programs have recently been selected for an innovation award from the Association of Retirement Organizations in Higher Education (AROHE).

Those of you who know Lucy probably wonder whether she also repeatedly failed retirement. I’m afraid so. Among a host of other things, she’s a member of the CU EC Advisory Board’s Executive Committee and is the Secretary of the national governing board of AROHE. She also edits nearly everything I write.

Malaysia International Chemical Sciences Chapter of the American Chemical Society

The Malaysia International Chemical Sciences Chapter was officially established on April 15, 2014 by the founding team members – Prof. JitKang Lim (Universiti Sains Malaysia, USM), Dr. Mohd Bakri Bakar (Universiti Teknologi Malaysia, UTM), Dr. Hooi-Ling Lee (USM) and Dr. Mohd Firdaus Abdul Wahab (UTM) with the principal mission to provide a platform for all American Chemical Society (ACS) members in Malaysia to interact with each other with the following purposes: (1) communicating chemistry and chemical technology effectively among the members and also with general public; (2) establishing a strong and professional relationship with ACS Units, such as ACS Office of International Activities and other International Chemical Sciences Chapters and ACS Divisions; and (3) assisting the Society to accomplish its international strategic plans. Currently, there are more than 250 active ACS members all across Malaysia. It is reassuring to see that the Chapter has attained tremendous achievements over the years, such as the ACS Salute to Excellence Award (2015, 2018) and ACS Partner for Progress and Prosperity Medal (2015). In addition, the Chapter has been active in international and national events including the ACS Asia Pacific International Conference (APIC) 2017; the International Conference for Young Chemists (ICYC) 2015 and 2017; the Global Innovation Imperatives (Gii) Forum on Contaminants of Emerging Concern (CECs) 2017; the South East Asia Global Innovation Challenge (SEA-GIC) 2015-2017; and many outreach programs.

This year, new 2018-2020 Chapter leadership committee has been elected under the new Chair Dr. Lee Hooi Ling. The Chapter has re-shuffled the sub-committee members, and introduced three new Working Groups, namely Science Outreach, Education, and Awards to assist with the Chapter's administration. We have also invited and reached out to our distinguished members from private universities and industry to become a part of our National Advisory Board.

Since the Chapter establishment, four universities in Malaysia have set up their respective ACS Student Chapters. They are USM, UTM, Universiti Kebangsaan Malaysia (UKM) and Curtin University Malaysia (Curtin Malaysia). In 2018, we are continuing our efforts with post-Gii stakeholder engagement activities, Chemistry Festival, SEA-GIC 2018, while introducing new projects such as the Project SEED Program to allow school students to work in real laboratories, with real scientists serving as their mentors. Another main focus for the 2018-2020 term is to have several activities on Chemical Safety and Security aspects, besides the usual flagship programs.

ACS Regional Meetings Engage Senior Chemists

The Senior Chemists Committee reached out to the Society's regional meetings organizers in 2018 to share its goal to engage more senior chemists at the local section level - more specifically, hosting events of interest to senior chemists at regional meetings.



NanoMARM (Mid-Atlantic Regional Meeting), "Iron Past – Unlimited Future", was held Sunday, June 3 in Bethlehem, PA with six half day symposia, well organized by senior chemists John Freeman and former ACS president Ned Heindel. SCC member Bill Suits attended this meeting and shared that senior chemists learned about the history of Lehigh University and Bethlehem Steel along with PA Dutch folk medicine. The new film of Arnold Beckman's life from the Science Heritage Foundation was presented to a standing room only audience. There were 95 posters, which provided active interaction with students and senior chemists, followed by the regional Awards banquet.

SCC member Roger Parker attended the **Glass City Chemistry Conference** held in place of the ACS Central Regional Meeting in Toledo, OH from June 14-16. It was organized for about 250 attendees and focused on education. There were no events specifically for senior chemists, but many were in attendance.

The **Northwest Regional Meeting (NORM)** was held in Richland, WA June 24-27. SCC member Gerry Meyer shared that it was an excellent meeting - a senior chemists breakfast was hosted and well attended.

SCC member James Chao worked with organizers for the **Southeast Regional Meeting (SERMACS)** and developed a "Recommended Schedule of Events for Senior Chemists" infographic, which included links to the meeting's online registration and special events webpage. The schedule was distributed to the region's local sections and other targeted audiences. SERMACS was held in August, GA October 31-November 3. There were tours of the Savannah River Site, recognition luncheons, and a "Trick or Treat" networking event that was held opening night at the meeting Expo, which involved raffle tickets for students to win prizes by meeting people and getting their Bingo cards signed. Chao hosted a senior chemists booth at the expo where he met with attendees and shared information about the programs being driven by the Senior Chemists Committee. A main

The Chapter is formed upon its members' foundation and strength, and in the future will continue to strive for greater heights.

For more info, please visit our website <http://acsmalaysiachapter.org/> or our Facebook page <https://www.facebook.com/ACS.MalaysiaChapter>



attraction of SERMACS was the dedication by ACS President Peter Dorhout for the contributions of the Savannah River National Laboratory for its contribution using Plutonium - 238 for Space Exploration.



James Chao speaking with senior chemists at the SERMACS Expo

EDITOR'S NOTE by Lynn Hartshorn

We hope you have enjoyed reading this issue of the Newsletter and welcome your comments. We also need articles from our readers! Please submit them to seniorchemists@acs.org in the form of a Doc or DocX. The maximum length is 500 words, but shorter articles are fine. They will be edited. Photos and images are very welcome, usually submitted separately in JPEG or PDF formats.

If you have an idea, but are not sure if it would be suitable as an article, please email the editor Dr. Lynn Hartshorn and our staff liaison, Ms. Semora Smith, with your idea. Their email addresses are at the top of the newsletter. Thanks!

SENIOR CHEMISTS COMMITTEE

Dr. Thomas R. Beattie*, Chair; Dr. Raymond P. Anderson, Dr. Ronald D. Archer, Dr. Roger F. Bartholomew*, Dr. James L. Chao, Dr. Donald D. Clarke*, Dr. Catherine E. Costello*, Ms. Susan R. Fahrenholtz*, Dr. Warren T. Ford*, Dr. Herbert S. Golinkin, Dr. Lynn G. Hartshorn*, Dr. Thomas R. Hays, Dr. Richard A. Hermens, Dr. E. Gerald Meyer*, Dr. Robert S. Moore, Dr. Roger A. Parker*, Dr. J. Ernest Simpson*, and Dr. Edel Wasserman*

Committee Associates: Dr. Arlene G. Garrison*, Mr. Norman W. Henry, III, Dr. Milton Levenberg, Dr. Adriane G. Ludwick, Dr. Kelly L. Moran, Dr. Anne T. O'Brien*, Mr. William H. Suits*, Ms. Jane V. Thomas, and Ms. Anna M. Wilson

ConC Liaison: Dr. Michelle V. Buchanan

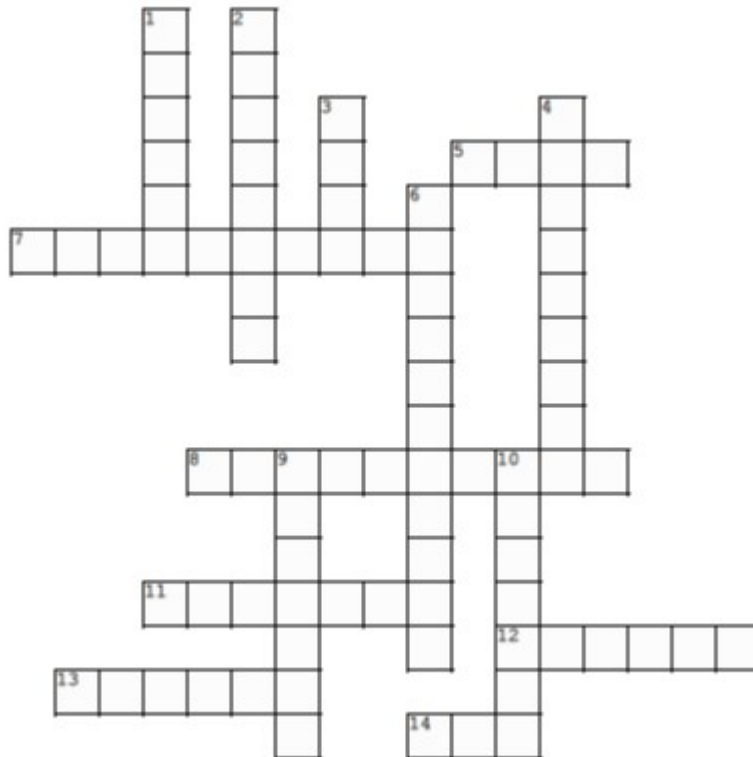
Staff Liaison: Ms. Semora Johns Smith

Committee Contact Information:
SeniorChemists@ACS.org

(*) ACS Fellows

Senior Chemists & The ACS

Tell us what you know about the American Chemical Society and WIN A PRIZE!



DOWN

1. A 2005 Nobel Prize in Chemistry recipient
2. ACS Immediate Past President
3. A shorter way to say the International Year of the Periodic Table
4. Allows scientists to do better research in less time
6. Has helped more than 10,000 economically disadvantaged high school students since 1968
9. Total number of ACS Board of Directors
10. The ACS 2019 spring national meeting will be held here

ACROSS

5. Established a foundation to encourage students to pursue chemistry; an ACS building
7. You are reading the _____ for Senior Chemists
8. The Senior Chemists Group can be found here
11. Led the Senior Chemists Committee for the past three years
12. ACS President in 2006
13. Led efforts to establish the Senior Chemists Committee
14. Number of ACS office locations in the United States

SOLVE THE PUZZLE AND WIN TODAY!

Please complete the puzzle and submit to SeniorChemists@acs.org.
The first respondent with ALL the correct answers will WIN A PRIZE
and will be announced in the next issue of *The Newsletter for Senior Chemists*.

If you wish to print out the puzzle, please highlight the puzzle only, copy and print.