THE

CAPITAL CHEMIST



A Publication of the Chemical Society of Washington Section of the American Chemical Society

May 9th Dinner Meeting: Chemists in a Library: Paper Preservation at the Library of Congress

Andrew R. Davis, Ph.D., Chemist Preservation Research and Testing Division Library of Congress

"Chemists in a Library: Paper Preservation at the Library of Congress"

Biography

Dr. Andrew R. Davis is a chemist and polymer scientist in the Library of Congress's Preservation Research and Testing Division. He is currently focused on collections preservation by studying the fundamental degradation science of polymer-based materials. including paper, film, and modern media. His work has included research and presentations on magnetic audio tapes, repair adhesives, and the test books from the William Barrow laboratory. Andrew is also involved in work to better understand the role of light, oxygen, and the environment in the fugitive nature of materials in order to better enable public display of light-sensitive objects. Andrew received his PhD in Polymer Science and Engineering from the University of Massachusetts Amherst. Prior to the Library of Congress, he has worked in the Central Research

Volume 69, Number 5 May 2019

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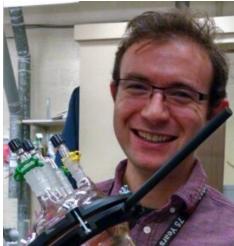
Laboratories of 3M where he researched how photochemical processes affect polymers, adhesives, and colored materials. Andrew is actively involved in STEM outreach programs and laboratory volunteer opportunities for high school and college students.

Abstract

Just a few miles away from the American Chemical Society headquarters, the Library of Congress is home to some interesting notes of chemical history, such as Thomas Jefferson's personal chemistry library highlighting his correspondence with noted chemist Joseph Priestly. This talk will describe one of the more curious collections at the Library of Congress: the testing books of paper chemist William J. Barrow. In the mid-1900s Barrow undertook an ambitious study of 1000 books printed as far back as the 16th century, meticulously recording their chemical and physical properties. By correlating book conditions to their papers' chemical compositions after centuries of natural aging, Barrow and his laboratory offered systematic predictions of paper aging and longevity which have received both accolades and criticism.

These test books now reside with the Library's Preservation Research and Testing Division, and their past and future

influence on the chemistry of paper preservation will also be discussed. Recent work from the labs at the Library of Congress has revisited the historic Barrow Books Collection to investigate how size-exclusion chromatography and other modern analytical tools can be used to complement Barrow's existing conservation data and analyses. Some of these methods provide better correlation between chemical and physical



properties than Barrow's initial measurement, and we continue to evaluate what new things we can learn when revisiting the collection. Additionally, learnings from these studies are now starting to be applied to a new study of book chemistry at the Library, funded by the Mellon Foundation, nearly as ambitious as Barrow's historic survey.

Meeting Logistics

Date: Thursday, May 9, 2019

Time:6:00 p.m. Check-in/Social Hour

6:30 p.m. Dinner 7:00 p.m. Presentation

Location: ACS Headquarters – Marvel Hall 1155 16th St., N.W., Washington, DC

Menu: Meal will be catered by Menus Catering and will feature Seafood & Chicken Paella (gluten free), Spanish rice, shrimp, cod, chicken, red peppers, peas, tomato, onion Vegetarian Option: Lemongrass tofu over soba noodles, roasted mushrooms, spinach, edamame, orange, ginger soy, grapefruit, and sesame seeds. Sides: Mixed Green Salad and bread/butter

Dessert: Macaroons - vanilla, pistachio, and raspberry.

Assorted beverages will be provided.

Cost:\$20 (Members and guests) / \$10 (Students and High School Teachers)

RSVP by noon Tuesday, May 7, to csw@acs.org (preferred) or by phone (messages only: 202.659.2650). Please provide the names in your party when you RSVP, and your preference for the meat or vegetarian option. The public is invited to attend. You may attend the talk only, but reservations are appreciated. If you need any further information or would like to make a reservation, please contact the CSW office by email at csw@acs.org or by voicemail at 202.659.2650.

Parking: Parking is available in nearby commercial parking garages. Please be aware that garage closing times vary. Parking is also available on the street after 6:30 pm, but be aware that most parking meters are in effect until 10:00 pm and may be limited to 2 hours. You should check the individual meters for details and payment methods as some are no longer coin-operated.

Metro: Blue/Orange/Silver Line: McPherson Square or Farragut West.

Red Line: Farragut North

Call for Nominations for CSW Officers, Councilors, and Managers

The annual election of Officers, Councilors, and Managers of the Chemical Society of Washington will be held in November 2019 in accordance with the Bylaws and Standing Rules of the Section. All CSW Members are invited and encouraged to submit nominations for the open positions. Self-nomination is allowed. Elected members have general charge of the business and affairs of CSW. Managers and Alternate Councilors serve on the Board of Managers and are expected to serve on at least one of the CSW committees. Councilors also serve on the Board of Managers, and along with serving on CSW Committees they are expected to serve on ACS Committees and attend the Council Meetings held during the ACS National Meetings.

Nominations should be submitted to the CSW Office no later than Wednesday, June 19, 2019. Nominations can be submitted either by mail to the CSW office or by e-mail to the CSW administrator with the subject line of "CSW Nomination." All CSW members are eligible for nomination, and CSW welcomes all who are willing to participate, including those who have not previously held positions in CSW. Incumbents are eligible for nomination to the same position (if the term expires) or any other position as Officer, Councilor, or Manager. Please note that all candidates will be provided with a form to provide information for the ballot for publication in the Capital Chemist, on the CSW website, and in the materials to be sent out.

The following positions are open for election this year:

- 3 Councilors, 3 Alternate Councilors serving three-year terms
- Secretary (serving a two-year term)
- President-Elect (one year as President-Elect, one year as President, one year as Past-President)
- 6 Managers (serving two-year terms)

Current Officers:

President: Christopher Avery, U.S. Global Change Research Program **President-elect:** Darryl Boyd, U.S. Naval Research Laboratory **Past President:** Allison Aldridge, U.S. Food and Drug Administration

Secretary: LaKesha N. Perry, NIST **Treasurer:** Wesley Farrell, USNA

Councilors:

Through 2019: Alan Anderson, Bowie State University; Joseph Antonucci, NIST (ret); Judith Faye Rubinson, Georgetown University

Through 2020: John M. Malin, ACS (Retired), Sara Orski, NIST, Jennifer Y. Tanir, ToxServices LLC Through 2021: Allison A. Aldridge, US Food and Drug Administration; Kim Morehouse, US Food and Drug Administration; Bradley A. Scates, Naval Air Station Patuxent River

Alternate Councilors:

Through 2019:Richard M Goodman, Richard M Goodman Consulting LLC; Jason Schaff, U.S. Federal Government

Through 2020: Novella N. Bridges, PNNL; Monika Konaklieva, American University; N. Bhushan Mandava, Consultant

Through 2021:Christopher Avery, U.S. Global Change Research Program; Daron Freedberg, U.S. Food and Drug Administration; Matthew Windsor, Association for Research in Vision and Ophthalmology

Managers:

Through 2019:Regina Cody, NASA (Retired); Rebecca Frey-Cooper, U.S. Food and Drug Administration; Julius Green, Northern Virginia Community College; Mukes Kapilashrami, United Nations; Nevart Tahmazian, Montgomery College; Iris R. Wagstaff, AAAS

Through 2020:Sitara Chauhan; India James, U.S. Food and Drug Administration; Corina McClure, U.S. Food and Drug Administration; Bree Taylor; Emerald Wilson, Prince George's Community College; Alexander G. Zestos, American University

Call for Nominations: Hillebrand, Gordon, & Schubert Awards

Call for Nominations: William F. Hillebrand Prize

Nominations are invited for the 2019 Hillebrand Prize, awarded annually for original contributions to the science of chemistry by a member or members of the Chemical Society of Washington (CSW), the local section of the American Chemical Society. The Hillebrand Prize is the most prestigious honor given each year by CSW and is recognized nationally as a mark of significant accomplishment in chemistry. The Hillebrand Prize originated in 1924 and is named for Dr. William F. Hillebrand (1853-1925), an internationally-recognized pioneer in analytical chemistry and one of Washington's most distinguished early chemists.

The prize carries an honorarium of \$2000. Many previous Hillebrand Prize recipients have won numerous other national and international awards, including three who have received the Nobel Prize. See the list of award winners at https://capitalchemist.org/2018/06/hillebrand-prize-recipients-by-year/.

The nominating package should contain the following:

Nominating Letter - limited to 1000 words

The letter should focus on the chemical accomplishments of the nominee, rather than the bio of the nominee, from a broad standpoint, leaving the finer points to those submitting seconding letters. Biographic details (degrees, positions held, major activities etc) will be given in the nominee's CV. The letter should begin with the major theme(s) in the nominee's research career with perhaps a summary of how these evolved over the years to create breakthroughs or push the field in a new or very productive direction.

Describing the nominee's major contribution(s) is extremely important and should be the bulk of the letter.

There is no preference or restriction for the specific area of contribution so long as it represents a significant accomplishment in chemistry. Anything is fair game; synthetic or analytical, experimental or theoretical, bio- or inorganic, etc. This section might detail such things as: the major techniques used in their research and how these were applied to a specific area to bring about significant results not previously achievable; if their research resulted in the development of a new experimental/instrumental technique or use of an existing technique in an innovative new way; how techniques the nominee developed became standard in that area; the impact the nominee's work had on influencing other areas of research; development of new reagents, catalysts or reaction conditions; development of a new computational method or theoretical approach; etc. The nominator should provide evidence in support of these statements. This could information about: the number of citations, impact factors of certain articles (or aggregate numbers), especially influential articles/book chapters, important invited talks, previous awards by other societies, patents, funding, important leadership positions, etc. Mentioning an extremely productive collaboration is possible so long as the role/contributions of the nominee are clear. The award is not given for mentoring students (as a specific criteria) but nominators often mention if this has occurred, especially if these students have gone on to significant posts on their own.

Two Seconding Letters - limited to 500 words each

It is helpful if these be from established experts in the nominee's field, and best if they are from experts at institutions other than the nominee's unless a notable expert in the nominee's area is also from the nominee's institution.

Curriculum Vitae - the candidate must be a member of CSW

The CV should strongly emphasize individual academic backgrounds, appointments, publications, presentations, and patents.

List of Publications

This is critical in determining the specific scientific contribution of the nominee or team.

Proposed Citation - limited to 25 words

This is a brief statement that should be understood by chemists in almost any area. It should avoid highly specialized language but still give the reader the area of accomplishment and why this is a significant accomplishment in chemistry. In some ways it is a one or two sentence abstract of the first paragraph of the nominating letter. Since this is only 25 words, you may simply want to provide 1 or 2 examples of previous awardees.

We strongly recommend that the nominator collect all materials and forward in one email, preferably as PDF files(s), to csw@acs.org. Nominations will be active for three years.

If you would like to verify the eligibility of an individual as a nominee or nominator, please contact the CSW Administrator at csw@acs.org. All materials must be received by November 1, 2019. The awardee will be announced before the end of the year, and the Prize will be presented at the CSW dinner meeting in March 2020.

If you have any questions about the award or the procedure for nominating someone for the award, please contact our office – csw@acs.org or 202.659.2650.

Call for Nominations: Charles L. Gordon Memorial Award

Named after Charles Gordon for his years of service as managing editor of the Capital Chemist, the Charles L. Gordon Memorial Award is given in recognition of exemplary service by a CSW member to the profession of chemistry, to the science of chemistry, and/or to the Chemical Society of Washington. Nominations are invited for this award, consisting of a plaque that will be presented at the March 2020 CSW dinner meeting. A written nomination should include a description of the accomplishments on which the nomination is based. Additional documentation that includes seconding letters and the nominee's CV are welcome.

Completed nominations for the Charles L. Gordon Award are due on or before November 15, 2019. The nomination should be submitted electronically to csw@acs.org. Please contact the Chair of the Awards Committee, Bradley Scates (bascates@gmail.com), if you have any questions.

Call for Nominations: Leo Schubert Memorial Award

The Chemical Society of Washington (CSW) is pleased to announce the call for nominations for the Leo Schubert Memorial Award to recognize an outstanding teacher of high school chemistry in the Washington, D.C. area. The award was established in 1979 to honor Dr. Leo Schubert, a chemistry professor at American University who devoted much of his career to developing programs for high school teachers and students. The Schubert award consists of a \$500 honorarium and a certificate, which will be presented at the March 2020 CSW dinner meeting.

Nominations for the award must be comprehensive in describing the nominee's accomplishments in areas such as innovation in teaching, writing curricula, outside teaching, papers published, involvement in science fairs, and postgraduate study. The application may also include supporting letters, as well as any supporting documents that concisely illuminate the nominee's accomplishments.

To be eligible for the CSW Schubert award, the nominee must currently teach chemistry at a secondary school in the geographic region of the Chemical Society of Washington, which includes metropolitan Washington, D.C. and the neighboring counties in Maryland (Montgomery, Prince George's, Charles, Calvert and St. Mary's Counties) and Virginia (Arlington, Fairfax and Loudoun Counties). The region of CSW also includes six counties on the Eastern Shore of Maryland: Caroline, Talbot, Dorchester, Wicomico, Worcester, and Somerset.

The CSW Schubert Award nomination form is available directly via The Capital Chemist. Alternatively, a pdf version of the nomination form can be obtained by an email request to csw@acs.org. Completed pdf nomination forms can be sent directly to csw@acs.org. All nominations must be submitted by November 15, 2019.

Download the 2019 Schubert nomination form.

Expanding Your Horizons Event for Local Girls in STEM May 25th

The Chemical Society of Washington is holding a joint event with Expanding Your Horizons (www.eyhn.org) May 25th 2019, 9 am – 12:30 pm, at ACS Headquarters (1155 16th St NW, Washington, DC 20036)

We are expecting about 75 middle and high school students.

We need assistance with speakers for breakout sessions and event volunteers.

Breakout speakers give one presentation of their choice to four groups of students. The presentation can be a science demo, a discussion, an activity or whatever you decide to do with the young girls.

Event volunteers assist with registration, setup, ensuring students are in the correct groups, lunch and shutdown.

For questions please contact the Womens Chemist committee and Younger Chemist committee chairs: Novella N. Bridges (nnbridges@gmail.com) and Corina McClure (corinamcclure6@gmail.com), respectively.

Currently Accepting Applications: Science For Conservation—Fundamentals and Applications

The Department of Chemistry and the Institute for Soft Matter Synthesis and Metrology of Georgetown University are pleased to announce an intense (2 week), tuition-free, short-course that will be held in 109 Regents Hall on the campus of Georgetown from July 22nd until August 2nd, 2019. It will consist of 10 lectures, each 3 hours long, tentatively from 9:30 AM until 12:30 PM Monday through Friday.

The instructor will be Dr. Emiliano Carretti (CV: https://capitalchemist.org/wp-content/uploads/2019/04/science-program_speaker_bio_june-july_2019.pdf) of the Department of Chemistry and the CSGI (Consorzio per lo Sviluppo dei Sistemi a Grande Interfase) at the University of Florence. Dr. Carretti is a well-known researcher in the fields of art conservation and conservation science.

The course will be limited to a maximum of 30 participants, selected from among the applicants. Prerequisites for the course are not defined absolutely, but organic, inorganic and analytic chemistry or equivalents based on materials science or equivalent background training are highly recommended.

Applications should be sent by email to Richard Weiss (<u>weissr@georgetown.edu</u>) and should include the following information:

- The name and current professional affiliation of the applicant
- Email address
- Phone number
- A letter of recommendation from a mentor/supervisor (if a student)
- A list of courses or experiences pertinent to the course
- A brief, one-paragraph justification for attending the course

Applications will be accepted until 22 June and selection of the successful participants will be announced by 1 July. Participants are expected to commit to attend all of the lectures.

Access by public transportation to the Georgetown campus is available by the G2 bus and by Metro from the Rosslyn or Dupont Circle stops and then using the free Georgetown shuttle (https://www.library.georgetown.edu/visiting/transportation).

For additional information, please contact Richard Weiss at weissr@georgetown.edu or 202-687-6013.

Guest Lecturers Needed for Patent Examiner Technical Training Program

The Committee on Patents and Related Matters (CPRM) for the past four years has partnered with the U.S. Patent & Trademark Office (PTO) to help the PTO train its examiners on various aspects of chemistry through the Patent Examiner Technical Training Program (PETTP). The PTO is once again requesting voluntary assistance from technologists, scientists, engineers, and other experts from industry and academia to participate as guest lecturers and provide technical training and expertise to patent examiners regarding the state of the art. The 60-90 minute talks will be a part of the PTO's Technology Fair on May 28-29, 2019.

This is a great way for experts to "give back" to the community and improve the general quality of patents. Junior faculty members can point to their participation in this effort as a community effort. Guest lecturers provide relevant, historic and current technical knowledge, including industry practices/standards in technological areas of interest. Guest lecturers must also have relevant technical knowledge and industry practices/standards in areas of technologies where such lectures would be beneficial.

In particular, the PTO is looking for speakers in these fields:

- Adhesives
- Additive manufacturing
- EL (electroluminescence) Devices
- Metallurgy

Guest lecturers have the option of presenting a lecture in-person or virtually from their own location. In-person presentations can be made at the PTO's Alexandria, Virginia headquarters or at one of the PTO's regional offices in Dallas, TX, Denver, CO, Detroit, MI and San Jose, CA. Training delivered at each location will be broadcast to patent examiners across the entire USPTO.

Please let Brandi Neifert at <u>B_Neifert@acs.org</u> know if you and/or your colleagues will be able to participate in this valuable program.

Honoring the IYPT

This message is being sent on behalf of ACS President Bonnie Charpentier

I am reaching out to inform you about an opportunity your local section can be involved with to help celebrate the International Year of the Periodic Table (IYPT).

Included is a draft resolution recognizing IYPT that you can send to your state elected officials asking that they consider adopting it as a way to show their support. As you may have read in C&EN, one of my presidential goals for 2019 is to encourage more ACS members to get involved with advocacy on behalf of chemistry, in particular at the state level.

This is a unique opportunity to not only celebrate chemistry and its contributions to society, but more importantly, to introduce the ACS and its members to state policymakers who influence the chemistry enterprise in numerous ways.

Through the great work of ACS and Board member Dr. Ingrid Montes, we have already successfully obtained our first resolution celebrating IYPT at the local level in Puerto Rico.

Now you and your local section members have the opportunity to reach out to your elected officials to ask that they also adopt an IYPT resolution. Reaching out to your state elected officials is easy. ACS staff in External Affairs & Communications (EAC) have created an Advocacy Toolkit that provides tips, guidance and resources to make your contact with elected officials as easy as possible, including the "Find your Legislators" source.

Please let us know if this opportunity is of interest and if you plan to make a request. The ACS EAC team stands ready to help guide you through the process, including helping identify your state elected officials. You can contact the team by emailing advocacy@acs.org.

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Council Meeting Report from ACS Orlando

CSW Councilors attended the ACS Council Meeting in Orlando, Florida on April 3rd.





The full reporting of meeting results and actions can be found in the councilor talking points at this website:

 $\underline{\text{https://www.acs.org/content/dam/acsorg/about/governance/councilor-talking-points-governance-actions-orlando-2019.pdf}$

Highlights:

#1 - Candidates for President-Elect, 2020

The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2020: Magid Abou-Gharbia, H.N. Cheng, Carol A. Duane, and Christopher J. Welch. By electronic ballot, the Council selected H.N. Cheng and Carol A. Duane as candidates for 2020 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

#2 - Amendment to the ACS Constitution and Bylaws

The Council approved the Petition to Streamline the ACS Governing Documents [Constitution Articles I-XIX, Bylaws I-XIV, and Standing Rules I-IX], which will reorganize the fundamental governing documents of the Society: the Constitution and Bylaws, and create a third document: Standing Rules. These three documents will function as a hierarchy. The Constitution should define; the Bylaws should authorize; and the Standing Rules should operationalize.

#3 - Council Special Discussion

ACS President Bonnie Charpentier led a special discussion on ACS Relevance to Current and Future Members: Challenges and Opportunities. Councilors had been asked prior to Orlando to discuss the ACS value proposition with their local sections or divisions and bring that input to Council. Councilors provided many recommendations and suggestions including increased support for local sections and industry members, helping student members transition into their professional careers, and implementing a monthly payment tool for ACS dues. These, and all the other ideas and input submitted, will be shared with the Committee on Membership Affairs and the ACS Membership Division for further research or implementation.

ACS Career Day DC Metro a Success!

ACS and CSW hosted a career day April 20th at ACS Headquarters. This full day event was focused on chemists looking to transition in their careers, but was open and inclusive to all enthusiastic chemists looking to build new skills.



Attendees are actively listening to the day's speakers.

Thank you so much to our wonderful speakers who covered a variety of interesting and dynamic topics!

- Moji Bonakdar, Ph.D. Transitioning Careers within Industry
- Allison Aldridge, Ph.D. Finding Jobs & Working in Government
- Sara Orski, Ph.D. Getting Involved in Your Local Section, CSW
- Bill Carroll, Ph.D. (and former ACS President!) Creating a Dynamic Resume
- Mark O'Brien Using ACS Resources to Boost Your Career
- Tom Halleran, MBA Working at ACS
- Roger Brown Networking

ALSO THANK YOU TO ALL ACS CAREER CONSULTANTS WHO VOLUNTEERED FOR 1-ON-1 APPOINTMENTS!!!



Dr. Moji Bonakdar is highlighting experiences gained during many industrial research and management opportunities throughout his career.



Dr. Allison Aldridge imparting lessons learned working for FDA and navigating the federal hiring process.



Novella Bridges, Corina McClure, & Alessandra Zimmermann are enjoying listening to all the speakers this morning!



Dr. Sara Orski starting her presentation on how to get involved in CSW.

Thank you very much to ACS, who was responsible for organizing the meeting, providing lunch, drinks, and snacks. A special thanks goes to Tommie Parker, Kimberly Browne, Yvonne Dudley, Michelle Williams, and Robin Polk for organizing the meeting and working with CSW to ensure a successful event!

CSW Members Honored at March Dinner Meeting



Dr. Lyle Isaacs was presented with the 2018 Hillebrand Prize for his elucidation of the remarkable molecular recognition properties of cucurbit[n]uril-type molecular containers and demonstration of their biomedical application as solubilizing excipients and reversal agents. Following the dinner, Dr. Isaacs presented his talk "Cucurbit[n]uril Molecular Containers: From Basic Science to Biomedical Applications" to excited CSW members in attendance.



Megan Hart(Montgomery Blair High School, Sliver Spring, Maryland) was presented with the 2018 Leo Schubert Memorial Award in recognition of her outstanding teaching of high school chemistry.



Ivana Brekalo was presented the 2019 Outstanding Volunteer Award.

2019 ACS Middle Atlantic Regional Meeting 5/30-6/1

I am excited to highlight some of the amazing opportunities available at the 2019 American Chemical Society Middle Atlantic Regional Meeting. The 47th MARM will be held May 30 through June 1, 2019 in Baltimore, Maryland at the University of Maryland, Baltimore County. This year's theme is "Seeking Solutions through Chemistry" and this meeting is the perfect chance for chemists, both established and aspiring, to connect with the chemistry community, jumpstart your research and teaching, find new career opportunities, and help mentor the next generation.



There is a fantastic lineup of technical sessions on some of the most pressing topics in the world today including Atmospheric and Environmental Chemistry, the Opioid Crisis, Spectroscopy and Homeland Security, and more. Enjoy some great science with colleagues, hear from some of the sharpest minds in the field, and don't forget to take a break and visit the exhibit hall.

Are you an educator trying to bring your lecture into the 21st century? Embrace the future at MARM 2019. Highlights include a symposium on Digital Technologies in the Undergraduate Classroom where you can discover the cutting edge in integrating technology into the chemistry classroom. Join IONiC, an Interactive Online Network of Inorganic Chemists and learn how VIPEr, the Virtual Inorganic Pedagogical Electronic Resource, can help energize your teaching by participating in an IONiC/VIPEr workshop.

Just starting out or looking for a change? There are some great career programming available at MARM 2019 just waiting for you! Learn about potential career paths, take advantage of resume review sessions, attend

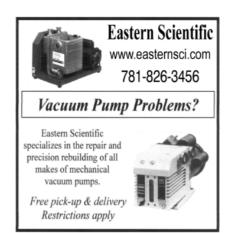
panel discussions to get perspectives from employers and recent chemistry grads, and learn about the unique challenges facing international chemistry students and professionals. Undergraduates are especially encouraged to participate in the undergraduate poster session and gain valuable experience communicating science. And, of course, don't miss the 2019 Chemagination Competition where high school students from local ACS sections will compete in a contest designed to strengthen their creative, teamwork and public speaking skills.

No matter what you're looking for, MARM 2019 may have the solution you seek. I hope you'll join us May 30 through June 1in the beautiful city of Baltimore for the 2019 ACS Middle Atlantic Regional Meeting!

Please visit https://marmacs.org/ for registration and additional information.

-Alan Anderson, CSW MARM Representative.

BUSINESS DIRECTORY







SEARCHING FOR THAT SPECIAL JOB?

There are many companies and organizations searching for chemical and biochemical personnel to fill important jobs in their organizations.

- Companies for laboratory and management positions
- Universities & Colleges for teaching positions and laboratory personnel
- Hospitals for technical and research personnel

There are several web sites that may help you search for these open positions.

- www.mboservices.net
- http://membership.acs.org/ W/WashDC/career.html

The Capital Chemist

A Publication of the Chemical Society of Washington Section of the American Chemical Society

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Treasurer

Wesley Farrell

Connect with us on Facebook at www.facebook.com/ACSCSW.

CSW Calendar of Events

May 9: CSW Meeting

May 20: CSW Board of Managers Meeting

May 30-June 1: MARM

June 19: CSW Call for Nominations Deadline
September 16: CSW Board of Managers Meeting
November 21: CSW Board of Managers Meeting