

THE CAPITAL CHEMIST



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

Next CSW Meeting 11/16

On Thursday, November 16th, the November CSW meeting will be held at ACS Headquarters, featuring a presentation by Dr. Eugene Mazzola. Logistics can be found below.

Biography: Dr. Eugene Mazzola

Eugene P. Mazzola was born on Feb. 2, 1942 in Montclair, New Jersey. He obtained an A.B. degree in 1964 from Franklin and Marshall College in Lancaster, PA and a Ph.D. degree in 1971 in Organic Chemistry from the University of Pittsburgh. From 1970-72, he was a postdoctoral fellow with Professor Harold Goldwhite at the California State University, Los Angeles, applying NMR spectroscopy to dynamic systems in organophosphorus compounds. He joined the old Bureau of Foods of the U.S. Food and Drug Administration in Washington, DC in 1972 and took charge of the Bureau's NMR Facility in 1973, a position that he held until 2015.

His research has focused primarily on the structural elucidation of natural product food contaminants and food colorant manufacturing impurities by NMR spectroscopy. He has taught numerous NMR courses and workshops and has served on the Editorial Advisory Board of *Magnetic Resonance in Chemistry* since 1996. He has been a member of the organizing committees of the Washington Area NMR Group since 1996 and the Small Molecule NMR Conference since 1999. He is an Adjunct Professor of Chemistry at the University of Maryland and the Virginia Polytechnic Institute and State University and co-author of the NMR text, *Nuclear Magnetic Resonance Spectroscopy: An Introduction to Theory, Applications, and Experimental Methods*.



Abstract: Application of a Computer-Assisted Structural Elucidation Program for the Structural Determinations of a new Terpenoid Aldehyde and Two Monosulfated Maitotoxins

Complete and partial structures, respectively, of a novel compound and derivatives of the marine toxin, maitotoxin (MTX) have been elucidated and their ¹H and ¹³C NMR spectra assigned employing a variety of 1- and 2-dimensional NMR techniques. The Advanced Chemistry Development ACD/Structure Elucidator program was critical for determining both (i) part of the former structure that contained a fused bicyclic system with very few hydrogen atoms, which, in turn, exhibited essentially no discriminating HMBC connectivities throughout that portion of the molecule derivative and (ii) that the 9-sulfo group of MTX is still present in two derivatives, suggesting that they are 40-desulfo congeners of MTX.

Meeting Logistics

Date: Thursday, November 16

Time: 6:00 p.m. social hour, 6:30 p.m. dinner, 7:00 p.m. presentation

Location: ACS Headquarters, Marvel Hall, [1155 16th Street, N.W. - Washington, DC](#)

Menu (Catered by VIPS Catering): Grilled chicken with artichokes, capers, and tomatoes, served with home-style mushroom ravioli topped with basil marinara sauce, grilled asparagus spears with lemon oil, garden salad, rolls, and cookies/brownies. Vegetarian Option: Four-cheese vegetarian lasagna, garden salad, garlic

Volume 67, Number 8
November 2017

Inside this issue:

- Don't forget to vote in this year's CSW Election!
- Read about the workshop held by CSW Project SEED
- Learn about the new CSW Senior Chemists Committee
- Nominate a colleague for the CSW Ambassador Award, Schubert Award, or Gordon Award

bread, and cookies/brownies

Cost: \$20 Members / Guests, \$10 Students

RSVP by noon on Tuesday, November 14 to csw@acs.org or by phone (messages only: 202-659-2650). Please provide the names in your party when you RSVP. The public is invited to attend. You may attend the talk only, but reservations are appreciated.

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.

Reminder: 2017 Electronic Voting Procedures

The CSW Nominations and Elections Committee is proud to present an outstanding slate of candidates for the 2017 election. Candidates are running for positions as Officers, Councilors, and Managers with terms beginning in 2018.

[Detailed candidate information, including biographies and statements, are listed in alphabetical order for each office on the CSW website.](#) Candidate statements will also be available with your ballot. Take a look and get to know the people running!

By participating in our annual election you will play an important role in deciding the direction of the Chemical Society of Washington. Voting began October 15 and is restricted to members of the Chemical Society of Washington.

How to Vote

Electronic Voting:

If you are a full CSW member and have a valid e-mail address on file with The American Chemical Society, then on or about October 11 you should have received an e-mail with instructions for accessing the secure voting website, along with a unique voter ID code. If your e-mail account has strong spam filters, please "white list" elections@vote-now.com and election.ballot@votenow.com in order to ensure that you receive your voter ID code.

Mailed Ballots:

CSW members without an email address in their ACS member record, those who have opted out of CSW email communications, or whose ballot e-mail is returned as undeliverable will receive a paper ballot package with voting instructions and candidate statements.

Voting deadline

The deadline for voting is November 15, 2017 at 11:59 p.m. ET. The online voting system will shut down at exactly 11:59 p.m. Eastern Time on November 15, 2017.

Results will be announced on the Capital Chemist website and in the December Newsletter Issue.

We want CSW to be representative of its members, but we need your help! This is your chance to make your voices heard! Thank you in advance for your participation and if you have questions about the voting process, or if you did not receive a ballot by October 21, please do not hesitate to contact us at csw@acs.org.

CSW Project SEED Workshop

Contributed by Allison Aldridge, Project SEED Coordinator

CSW's Project SEED committee held a scientific writing and presentation workshop to help prepare our Project SEED Fellows for the Project SEED poster session at the 254th National ACS Meeting during Sci Mix. The workshop was held on July 22nd at ACS Headquarters from 9:00am – noon. Dr. Steven Metallo, associate professor at Georgetown University, provided information on poster presentations as well as technical writing tips for their final reports. The fellows were asked to bring outlines of their research to the workshop. After the presentation, Project SEED committee members and mentors met one-on-one to answer questions and provide tips for drafting their posters. The workshop was very well received by the Fellows and received favorable evaluations from all who attended.

Please help CSW keep our Project SEED program strong by donating to the Noel Turner Fund. The national program and our local section financially support the Project SEED program. Checks payable to the Noel Turner Fund can be sent to the CSW Local Section Office, 1155 Sixteenth Street, NW, Washington, DC 20036.



Figure 1: Dr. Metallo discussing an example poster with the fellows, mentors and committee members. Figure 2: Committee member Sara Orski, Ph.D. answers questions for Project SEED Fellow Maria Rojas.



Figure 3: SEED committee member Bradley Scates with mentor Dr. Andrew Davis and his fellow, Yoon Jae Jee. Figure 4: Dr. Metallo with fellows Kevin Fuentes and Christopher Okorie. Figure 5: CSW President, Jason Schaff, Ph.D. helps Project SEED Fellow Sheku Deen-Tarawalie, while mentor Dr. Joe Fortunak discusses with his fellow, Osogieahon Ewanehi

CSW Establishes Senior Chemists Committee

Contributed by Joe Antonucci, Chair, Senior Chemists Committee

As you may know, the Retired Chemist Group (RCG) was established in 1988 to provide social and professional engagement for CSW members who are retired. Recently, the RCG has been unable to adequately serve this population due to several factors, including the limited number of members willing to serve on the RCG Executive Board. In September, after discussions with in the RCG and the CSW Board of Managers, the RCG Executive Board agreed to dissolve the group. At the September Board of Managers meeting, the Board agreed to establish a Senior Chemists Committee to serve the members who were previously served by the RCG. Additionally, this Committee would serve all chemists within CSW who identified themselves as senior chemists. The Committee will operate within CSW, as all other committees do, and have the support of the CSW Board as well as other appropriate committees. These changes to the organization structure will reduce the management for the operation of the group, which previously included a separate treasury and administration officers, and will streamline the organization within CSW. This will reduce the number of committee members needed to ensure that the committee's activities continue and serve the members of CSW for years to come. The Committee will have the same mission as the Senior Chemists Committee of ACS (see below) and will be able to utilize the resources available to it from that committee.

The new Senior Chemists Committee will sponsor the CSW luncheon on Saturday, December 9th to honor the 50, 60 and 70 year members of ACS. The luncheon will be held at Alfio's in Chevy Chase, so mark your calendars now.

About the ACS Senior Chemists Committee

The establishment of the Senior Chemists Committee (SCC) of ACS was approved as a Joint Board-Council Committee effective January 1, 2013. The age demographics of the ACS powerfully illustrated the need for a Senior Chemists Committee. Of its more than 158,000 members, 34% are over the age of 50, which is one of the fastest growing segments of the Society.

The mission of the SCC:

- To share with ACS members of all ages a rich variety of personal experiences and expertise gained over many years of professional service.
- To foster interest and participation in the science of chemistry through community outreach, especially in grades K-12.
- To act as science advisers/ambassadors for the purpose of cultural exchange at home and abroad.
- To provide senior ACS members with challenging, diverse, and enjoyable professional experiences that enable them to contribute to the cultural experiences of their communities.
- To recommend policies that address issues of interest to senior chemists.

The Committee serves two constituencies within the ACS: (1) seniors who are still active either as full-time or part-time employees, consultants, or those who still wish to stay closely connected to the ACS and its spectrum of activities; and (2) younger members and students who have questions about a chemistry based career or who have started careers but are looking for guidance in how to progress. Examples are mentoring, career guidance and counseling, job training seminars and webinars, alternate career selection, problem support, workshops, and tutorials.

Call for Nominations: CSW Chemical Ambassadors Award

The Chemical Society of Washington has established a CSW Chemical Ambassadors Award. This award will honor a CSW member whom also serves as an ACS Chemistry Ambassador. Qualifications for nomination are broad in scope, including (but not limited to) working with grade school science students, judging science fairs, explaining a scientific concept to the general public, working with Congress on scientific matters, publishing a science article or blog, or giving science-related interviews on radio or TV. 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. The awardee will receive a plaque and special recognition from the CSW chapter of ACS at a future CSW meeting (date TBD). Nominations and questions concerning the award should be submitted electronically to John Malin (jmalin023@verizon.net) or Darryl Boyd (darryl.anthony@gmail.com) from the CSW Committee on Public Relations. Nominations will be accepted until November 15, 2017.

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 2018 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.

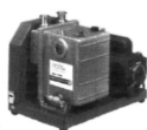
The CSW Schubert Award nomination form is available directly via The Capital Chemist website (<http://www.capitalchemist.org/leo-schubert-memorial-award-nomination-form/>). Alternatively, a pdf version of the nomination form can be obtained by an email request to csw@acs.org. Completed pdf nomination forms can be sent directly to csw@acs.org. All nominations must be submitted by November 15, 2017.

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 February 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, 2017. The nomination should be submitted electronically to csw@acs.org. Please contact the Chair of the Awards Committee, Philip R. DeShong, deshong@umd.edu, if you have any questions.

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Capital Chemist Staff

Voice: 202-659-2650

Email: thecapitalchemist@gmail.com

Twitter: @CapitalChemist

Chair, Publications

Christopher W. Avery

Editor, Business Manager

Jessica L. Rasmussen

Publisher

Chemical Society of Washington

Advertising Manager

MBO Services

PO Box 1150, Marshfield, MA 02050

Vince Gale, Advertising Manager

vincegale@mboservices.net

781-837-0424 voice

CSW Correspondence

CSW, 1155 16th Street, NW, O-218

Washington, DC 20036

202-659-2650 voice

email: csw@acs.org

<http://csw.sites.acs.org>

Claims for missing issues should be sent to CSW at the above address. **Member change of address** should be sent to ACS, PO Box 3337, Columbus, OH 43210; phone 800-333-9511; e-mail: service@acs.org; or edit member profile online at www.acs.org.

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The **Chemical Society of Washington (CSW)** is the local ACS Chapter for the Washington, DC area and serves approximately 4,000 members.

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CSW Calendar of Events

November 1: Hillebrand Nominations Due

November 15: CSW Chemical Ambassador Award Nominations Due

November 15: Schubert Award Nominations Due

November 15: Gordon Award Nominations Due

November 16: CSW Meeting

November 20: CSW Board Meeting

December 9: Senior Chemists Luncheon



CSW President Jason Schaff at the October Dinner Meeting with speaker Dr. John Hanover and Wyn Jennings, the CSW 2017 ACS Fellow.