

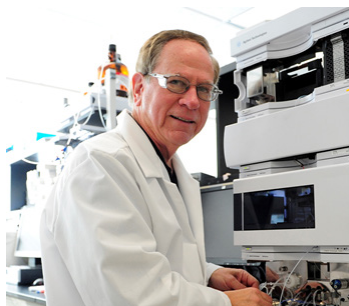
THE CAPITAL CHEMIST



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

WCDG/CSW Joint Meeting: 12/16

On Wednesday, December 16, 2015, the [Washington Chromatography Discussion Group](#) and the Chemical Society of Washington will [host a joint meeting at the US Pharmacopeia](#) from 6:00pm-8:00pm. RSVP to csw@acs.org by 12/14.



Speaker: Ronald E. Majors, LCGC North America, West Chester, PA
Title: Top Ten HPLC/UPLC Column Myths

Abstract: In any field there are often "misconceptions" or "myths" that are perpetuated and passed on to the next generation. These myths are often driven by a lack of understanding by practitioners of the real issues. And these myths can change as time moves on. Since HPLC is approaching its 50th year, many column myths have already been passed down to 2 generations of liquid chromatographers. Recently, ultrahigh pressure liquid chromatography (UHPLC) has come into its own and a new set of myths are arising. The purpose of this tutorial is to try to dispel some of these myths

before they get further perpetuated. Some of the myths to be discussed are: "all C18 columns are the same"; "it takes a minimum of 10 column volumes to re-equilibrate an LC column"; "you can't reverse an HPLC column to flush out particulates"; "UHPLC packed columns plug easier than conventional HPLC packed columns" and the list goes on. With help of a team of myth-busters, notables in the chromatography field, I will provide proof statements and literature references that showed that these myths are unjustified. There are many myths that are still around but didn't make the top ten. However, most likely old myths will continue, some will fade away, and new myths will arise as more practitioners enter the chromatography community. Those new arrivals to this community may have to discover these myths on their own (since they don't necessarily listen to the old timers anyway). Perhaps new myth-busters will take on the next generation of myths.

Speaker Bio: In November, 2013, Ron Majors retired from Hewlett-Packard/Agilent Technologies after 45 years of working in the area of sample preparation and chromatography column and instrumentation technology. He currently serves as a consultant. Ron received his B.S. in chemistry at California State University, Fresno, in 1963 and his Analytical Chemistry Ph.D. degree in 1968 from Purdue University under the direction of L.B. Rogers. His Ph.D. thesis was in the area of molecular-imprinted phases for chromatography and sample preparation. He is the author of over 150 publications in HPLC, GC, sample preparation and surface chemistry. Among his current activities, he has been editor for the monthly feature, "Column Watch" in LC/GC Magazine (33 years) for which he is also serves on the Editorial Board. Dr. Majors has served as Chairman of HPLC '86 and Anabiotec '90 and as a member of the Instrumentation Advisory Board of Analytical Chemistry. His current interests include sample preparation especially solid-phase extraction and automation, and HPLC and GC column technology. Ron is a lifetime member of The

**Volume 65, Number 9
December 2015**

Featured Items:

- Celebrate our 50- and 60-year members
- Save the date for upcoming events in 2016
- Matthew Finn tells us about his experience at ACS Boston

Inside this issue:

Save the date	2
Election Results	2
50- and 60-year members	3
Student Travel Award Winner	4
NCW Photo	6

Continued on next page

WCDG/CSW Joint Meeting, Continued

Chromatography Forum of Delaware Valley, a member of the American Chemical Society, and The Chromatography and Separations Chemistry Sub-division of the Analytical Division of the ACS where he had served as Chairman and Secretary. He has also been a member of the Chromatographic Society (U.K.) and Board of Directors for the California Separations Society (CaSSS). Ron has been an invited lecturer, session organizer, and session chairman at many national and international symposia. Dr. Majors has received many awards from chromatography societies, the most recent being the Chromatographic Society's 2007 Martin Gold Medal from the United Kingdom, named for the Nobel Prize winner, A.J.P. Martin. Ron and his wife Carol are avid birdwatchers and travel all over the world in search of these feathered creatures.

Save the dates!

Contributed by Dennis Chamot, CSW President-elect

The year 2016 is just around the corner, and we have already been working on scheduling some of the events for the year. Here is the schedule of the first few membership meetings for you to note on your calendars:

January 6: "Tackling Grand Challenges in Chemistry," presented by Dr. Kathy Covert. Dr. Covert is a Program Director in the NSF's Division of Chemistry, with primary responsibility for the Centers for Chemical Innovation. Come see what is being done in tackling such major challenges as understanding the origins of life, the chemistry of the brain, creating materials by design, and more.

February 11: Student Chemistry Achievement Awards program.

March 23: "Are Chemists Too Shy for Their Own Good?" Madeleine Jacobs, former CEO of ACS and Editor-in-Chief of C&EN, and currently president and CEO of the Council of Scientific Society Presidents. Join her for a discussion about how we can do a better job of engaging the public and advocating with policy makers in supporting STEM education and chemical research and development.

April: Hillebrand Award presentation (date to be determined).

Despite all the hype, 2016 is more than a national presidential election year. Come join your CSW colleagues for some stimulating and enjoyable interaction.

CSW Election Results!

The Chemical Society of Washington is pleased to announce the winners of the 2015 CSW election. Congratulations to the following Society leaders who will begin their new positions on January 1, 2016.

2016 President-Elect (2017 President)	Alternate Councilors (2016 – 2018)	Managers (2016 – 2017)
Jason Schaff	Darryl A. Boyd	Alan M. Ehrlich
Secretary (2016-2107)	Dennis Chamot	Zory R. Glaser
Jennifer Tanir	Matt Windsor	Mukes Kapilashrami
Councilors (2016 – 2018)	*Bushan Mandava	Amol A. Kulkarni
Allison A. Aldridge	*special election - term ends 2017	Sara Orski
Chris Avery		Nevart Tahmazian
Kim M. Morehouse		

November Meeting Recap: 50- and 60- Year Members

Learn more about our 50- and 60-year members, which were honored at our November meeting.

50-Year Members

Mr. Robert Paul Barron

[Mrs. Lois Ann Beaver](#)

Mr. Paul Henry Bickart

Dr. Francis John Biros

[Dr. Frank Peter Boer](#)

Dr. Robert Brien Callen

[Dr. Do Ren Chang](#)

[Dr. Hao Chia Chen](#)

Mr. Tony Man Kuen Chiu

[Dr. Eugene Thomas Chulick](#)

[Dr. Regina Jacqueline Cody](#)

Dr. Douglas M. Collins

[Mr. Frank Garnett Cowherd](#)

[Mrs. Mary E. Cushmac](#)

Dr. Leon Ashby Dickson

Ms. Janet S. Dodd

[Dr. Edgar Silvester Etz](#)

Mr. Ford Franklin Farabow

Dr. Henry L. Gabelnick

[Dr. Govind J. Kapadia](#)

[Dr. Teddy M. Keller](#)

Dr. Michael M. King

[Dr. Lynn Alvin Larsen](#)

Dr. Lester A. Lee

[Dr. John Michael Malin](#)

[Dr. Richard I. Martinez](#)

[Dr. Anthony Brian Mauger](#)

[Dr. Stamatios Mylonakis](#)

Dr. Mary C. Rose

[Dr. Annette Rosenblum](#)

[Mr. Clyde Asao Takeguchi](#)

[Mr. Jeb S. Taylor](#)

Dr. Thomas Edmund Ward

[Dr. Wayne R. Wolf](#)

60-Year Members

Dr. Violet E.S. Baker

Dr. Alan D. Lourie

Mr. Americo Patrick Silveri

Mr. Vito Anthony

Cammarota

Dr. Jacob Block

Dr. Nora Tamberg

Dr. Allan Henry Laufer

Dr. Merrill M. Hessel

Dr. Robert J. Fallon

Mr. Michael Joseph Clifford

Dr. Joseph Emmet Earley

Dr. Elise Ann Brown

Dr. Robert Virgil Hemm

Dr. Charlotte Marie Kraebel



Photos from the November luncheon meeting. Left: President Alan Anderson with the 50-year members in attendance. Right: President Alan Anderson with Mr. Michael J. Clifford, 60-year member.

A Fresh Perspective on an Old City

Contributed by Matthew Finn, CSW Fall 2015 Student Travel Grant recipient

Having grown up in Connecticut, I have had several opportunities to visit Boston when I was younger. Although the city was familiar to me, coming here for the ACS conference gave me a fresh perspective on the city.

Since Washington, D.C. is (relatively) close to Boston, my group and I decided to make the trip by car. The eight-hour drive quickly turned to ten hours with the usual traffic in New York and New Jersey; however, this gave us plenty of time to look over the schedule and plan our week of talks. The late arrival made it difficult to wake up and get to the convention center for the early morning talks on Sunday, but upon arriving to the convention center and seeing the crowd of people waiting to get their badges and heading off to their sessions, I suddenly had new energy. I have attended much smaller conferences in the past, and scale of the National Meeting was both overwhelming and inspiring. It is always refreshing to be in the company of peers, and this was the largest gathering of chemists that I have ever seen.

For me, Boston has always been a city rich in American history, great Italian food, and Yankee-Red Sox rivalry games. After spending a week at the ACS conference, Boston became a city rich in science. While I know that a majority of attendees of the conference were visiting just like I was, the number of Boston area attendees was staggering. Whether it was in hearing the talks and posters from students of the many local schools, or in the time I spent talking with members of industry from Boston area companies, it became clear that the scientific community in the city is robust.

One of the great advantages of the National Meeting is the breadth of topics covered. I have attended several specialized conferences, and while they are always informative experiences, the National Meeting gives a greater opportunity for an interdisciplinary experience. The nature of my research covers several topics, so having the opportunity to attend a variety of different sessions through the week was very nice. I spent my time split between the inorganic, environmental and catalysis sessions, trying to get the most out of my experience.

I presented my poster in the Catalysis session on Monday night of the conference. While the lack of attendance to this session was a bit disappointing, it did give me the opportunity to visit other posters that were being presented. I was able to gain inspiration and ideas for future directions of my own work while hearing from my peers.

I returned back to DC with not only a fresh perspective on the city of Boston, but also on my own research. I would like to thank the Chemical Society of Washington for choosing me as the recipient of CSW Student Travel Award and also my advisor, Dr. Adelina Voutchkova-Kostal for her guidance and help in getting me to this point in my graduate career.

Connect with Matthew on Twitter @mfinn711!

The Chemical Society of Washington (CSW) offers a travel award to defray travel and/or registration costs to a National ACS meeting. The award is open to current graduate students in the jurisdiction of CSW. Awardees are asked to share with CSW members something from their experience that impacted their perspective as a chemist.

For more information on the Student Travel Award, please look [here](#). Contact csw@acs.org with additional questions.

BUSINESS DIRECTORY

SERVICES



Eastern Scientific

www.easternsci.com

781-826-3456

Vacuum Pump Problems?

Eastern Scientific specializes in the repair and precision rebuilding of all makes of mechanical vacuum pumps.

Free pick-up & delivery
Restrictions apply



It's easy to become a CSW
volunteer!

Email csw@acs.org about
upcoming opportunities
today!



CAREER OPPORTUNITIES

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>

NMRService 500MHz

***Mass**

***Elemental Analysis**

NuMega Resonance Labs

numegalabs.com P- 858-793-6057

ACS Webinars™

CLICK * WATCH * LEARN * DISCUSS

Learn more and register at
www.acswebinars.org



Micron Analytical Services

COMPLETE MATERIALS CHARACTERIZATION
MORPHOLOGY CHEMISTRY STRUCTURE

SEM/EDXA • EPA/WDXA • XRD XRF • ESCA • AUGER • FTIR • DSC/TGA

Registered with FDA • DEA GMP/GLP Compliant

3815 Lancaster Pike Wilmington DE. 19805

E-Mail micronanalytical@compuserve.com

Voice 302-998-1184, Fax 302-998-1836

Web Page: www.micronanalytical.com

The Capital Chemist

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

Capital Chemist Staff

Voice: 202-659-2650

Email: thecapitalchemist@gmail.com

Twitter: @CapitalChemist

Editor-in-Chief

Christopher W. Avery, Chair
CSW Publications Committee

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@mbo-services.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.

GENERAL: The Capital Chemist (ISSN 0411-0080) is published monthly from January to December (except June, July, and August) by the Chemical Society of Washington, 1155 16th Street, NW, Washington, DC 20036. Subscription price for an electronic subscription is included in all membership fees; mailed paper subscriptions are \$10.00 per year.

ISSN 0411-0080

POSTMASTER: Send address changes to The Capital Chemist, 1155 16th Street, NW, Washington, DC 20036.

CSW assumes no responsibility for the statements and opinions advanced by the editor or contributors to its publication or the products and services advertised herein. Copyright ©2015, CSW.

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

2015 Officers

President

Alan Anderson, Bowie State University

President-elect

Dennis Chamot, National Research Council (Retired)

Secretary

Jennifer Young Tanir, ILSI Health and Environmental Sciences Institute

Treasurer

Stefanie Wittenberg, United States Patent and Trademark Office

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

CSW Calendar of Events

December

12/16: WCDG/CSW Joint Meeting



The Chemical Society of Washington participated in the Crystal City Family Fun Festival during the Marine Corp Marathon again this year as part of the celebration of National Chemistry Week.