

The Chemical Record

Volume 55 – Number 6 – October, 2013

Columbus Section of the American Chemical Society, Inc.

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IN THIS ISSUE...

ABOUT THE COLUMBUS SECTION.....	1
MEETING NOTICE	2
ABOUT THE PRESENTER: DR. TOM BARTON.....	4
NOTE FROM THE CHAIR.....	5
COLUMBUS SECTION CELEBRATES FIFTY AND SIXTY-YEAR ACS MEMBERS.....	5
NATIONAL CHEMISTRY WEEK, OCTOBER 20-26, 2013	6
WELCOME NEW MEMBERS!	6
HIGHLIGHTS OF THE 246 TH AMERICAN CHEMICAL SOCIETY NATIONAL MEETING.....	7
COLUMBUS SECTION ACS CALENDAR OF EVENTS.....	9
ABOUT <i>THE CHEMICAL RECORD</i>	10
CHANGE OF ADDRESS	10
ADVERTISING RATES	10
PLEASE SUPPORT OUR SPONSOR... ..	10

ABOUT THE COLUMBUS SECTION



The Columbus Section of the American Chemical Society comprises approximately 1,500 members who live and work in the following central Ohio counties: Delaware, Fairfield, Fayette, Franklin, Hocking, Knox, Licking, Madison, Marion, Morrow, Muskingum, Perry, Pickaway, Ross, and Union.

The Mission of the American Chemical Society (ACS) is to encourage in the broadest and most liberal manner the advancement of the chemical enterprise and its practitioners. Toward that end, the ACS advances scholarly knowledge, provides professional services and support, communicates with varied audiences, and is actively involved in the science, education, and public policy arenas.

The Columbus Section of the ACS adheres to this mission and the strategic thrusts of the national organization and leadership by providing programs and networking opportunities for Chemistry professionals in Central Ohio.

We invite ACS members and scientists in the community to lend their expertise and talents to our activities in science education, government and legislative policy issues, safety in our industrial plants and in our communities, and care of our land.



MEETING NOTICE



Columbus Section of the American Chemical Society, Inc.
Meeting #866
columbus.sites.acs.org

Dr. Tom Barton

2013 President-Elect, American Chemical Society

A Myriad of Problems Facing High Quality US Science Education

Wednesday, October 16, 2013

Chemical Abstracts Service

2540 Olentangy River Road
Columbus, OH 43202
800-848-6538

Program Details

5:00 – 6:00 PM	Executive Committee Meeting—Battelle Room West, open to all Section members.
6:00 – 7:00 PM	Social Hour – Cafeteria (rear portion of the cafeteria) <ul style="list-style-type: none">• Vegetables with dip• Bread and cheese Lemonade, Punch and Wine
7:00 – 7:45 PM	Dinner – Cafeteria Buffet Service NOTE: IF YOU HAVE FOOD ALLERGIES TO SEAFOOD, SOY OR NUTS PLEASE NOTIFY THE LOCAL SECTION Organic green salad and dinner rolls Entrée: your choice of



	<ul style="list-style-type: none"> • Chicken Oscar (herb baked chicken topped with crab and asparagus on scalloped potatoes) • Blackened cod over rice pilaf • Vegetarian Pad Thai (tofu, shitake mushrooms, bean sprouts and carrots over coconut rice noodles with soy and nuts) • Fresh steamed vegetable medley <p>Dessert: Cheesecake and Fresh fruit tart Coffee</p>
7:45 – 8:45 PM	<p>Presentation to 50/60 Year Members <i>A Myriad of Problems Facing High Quality US Science Education</i> by Dr. Tom Barton</p>
Cost	<p>\$10 per person members and non-members, \$10 for retired and unemployed members, \$5 per student. New Members are free! Payment will be collected at the door; cash and checks accepted. There is no cost to attend the program only. <u>Remember that this is a dinner order and must be paid. Please help control costs by honoring your order.</u></p>
RSVP	<p>Please use the voice mail reservations service by calling 614-447-3600 extension 7047. Follow the template for reservations*. Alternatively, please send e-mail with the same information to The Columbus Section at the following e-mail address: acscols@wowway.com or use the Meeting Reservation Form on this website.</p>
*Voicemail/e-mail Reservations Template	<ul style="list-style-type: none"> • First and last name: Please spell last name. • Membership category: member, non-member, retired, emeritus, unemployed, student. • Employer • Your choice of entrée: Chicken Oscar, Blackened Cod, or Vegetable Pad Thai • Please indicate if you will join us for the <u>Dinner & Program</u> OR <u>Program Only</u> • Your phone number, in case we need to contact you.
Reservation Deadline	<p>Wednesday October 9, 2013 at noon.</p>
Program Contact	<p>David Speth (989-430-5123); drspeth@sbcglobal.net</p>
Directions & Parking	<p>From the North If on I-71 South exit onto 270 West to 315 South (once on the exit ramp, stay in the left lane to go South); take 315 South to the Ackerman Road exit; turn left; stay on Ackerman Road until you cross the Olentangy River Road intersection; CAS is immediately on the right. – or – If on 23 South take I-270 West to 315 South (once on the exit ramp stay in the left lane to go South). Go South until you reach the Ackerman Road exit, turn left; stay on Ackerman Road until you cross the Olentangy River Road intersection; CAS is immediately on the right.</p> <p>From the East Go West on I-70 until you reach 315 North; Take 315 North to the Ackerman Road exit; turn right onto Ackerman Road and continue until you cross the Olentangy River Road intersection; CAS is immediately on the right.</p> <p>From the West Go East on I-70 until you reach 315 North; Take 315 North to the Ackerman exit; turn right onto Ackerman Road; continue until you cross the Olentangy River Road intersection; CAS is immediately on the right.</p>

**From the South**

Take I-71 North to 315 North; continue on 315 North until you reach the Ackerman Road exit; turn right onto Ackerman Road; continue until you cross the Olentangy River Road intersection; CAS is immediately on the right.

– or –

If on Route 33, take I-70 West; exit onto 315 North; continue on 315 North until you reach the Ackerman Road exit; turn right onto Ackerman Road; continue until you cross the Olentangy River Road intersection; CAS is immediately on the right.

Parking is free

ABOUT THE PRESENTER: DR. TOM BARTON



Tom Barton grew up in the gulf coast of Texas the son of teachers (not chemistry!). He graduated in 1962 with a B.S. in Chemistry from Lamar University (Beaumont). He received his Ph.D. in organic chemistry at the University of Florida in 1967 and worked as an NIH postdoctoral fellow at The Ohio State University before joining the Iowa State faculty in that same year. He retired since May of 2012, now holding the position of Distinguished Professor Emeritus.

In 1988, he became Director of the Ames Laboratory (U. S. Department of Energy), where in addition to chemical research he experienced the worlds of condensed-matter physics, metallurgical science and a variety of other material sciences. In 1998, he was appointed Director of Iowa State University's Institute of Physics Research & Technology, where he directed a consortium of university research centers composed of a broad spectrum of engineering and physical sciences with a focus on industrial interaction uncommon in a university setting. He also served one year as interim director of the Iowa Energy Center which funds and manages projects of energy efficiency and renewable energy.

Professor Barton has been a National Academy of Sciences exchange scientist in the Soviet Union, a NATO exchange scientist in France, a JSPS lecturer in Japan, and a professor d'échange at the University de Montpellier. In 1981, he was appointed to the editorial board of "Organometallics". Professor Barton was received numerous awards including the Frederic Stanley Kipping Award in Organosilicon Chemistry in 1982 and the American Chemical Society's 1995 Midwest Award.

Although a physicist friend says, "Barton doesn't have hobbies, he has passions!" he has quite a few pastimes including fishing, riding motorcycles, flying (private pilot with instrument rating), sailing (water, ice and land), languages, running, skiing and scratch building of miniature furniture.



NOTE FROM THE CHAIR

By DAVID SPETH

Congratulations to Columbus Section member **Professor Susan Olesik** at The Ohio State University. At the Fall ACS meeting Susan was presented with the Award in Chromatography sponsored by Sigma Aldrich.

Fall is rapidly arriving in Columbus. As light fades in the afternoons, I hope you will consider attending one of our fall meetings. Our meetings are a great opportunity to meet members of the local chemistry community and to learn about scientific topics outside your daily research. It can also be an opportunity to get leadership experience as a member of our executive committee or as a committee chair.

As the year winds down, it's time for all our Section members to think about Section leadership for 2014. To keep the Local Section program going we need an executive committee willing to organize and monitor our activities. For 2014 we need nominees for secretary, chair elect, treasurer elect and councilor. None of these roles takes a huge time commitment and all of them provide an opportunity to learn about leadership. They are good ways to build experience for your resume and a great way to give back to the ACS. If any of you are interested in serving in these positions or as a committee chair, please let me know at drspeth@sbcglobal.net.

Our next meeting is October 16 at Chemical Abstracts. At this meeting we will recognize our 50 and 60 year Local Section members and we will have ACS President-elect **Dr. Tom Barton** from Iowa State University talk to us about, "A Myriad of Problems Facing High Quality US Science Education".

The rest of our fall season is all set. The schedule is as follows

October 16	CAS	ACS President-elect Dr. Tom Barton and 50, 60 year member awards
November 16	COSI	Chemistry Day Sam Kean "The Disappearing Spoon" Lecture and private reception
December 12	SEA	Lecture at Scientific Expert Analysis

COLUMBUS SECTION CELEBRATES FIFTY AND SIXTY-YEAR ACS MEMBERS

By *Wendy Reichenbach*

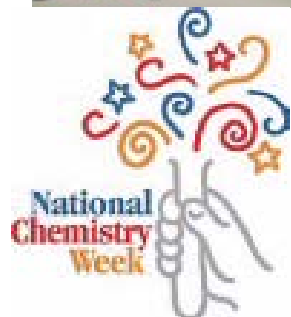
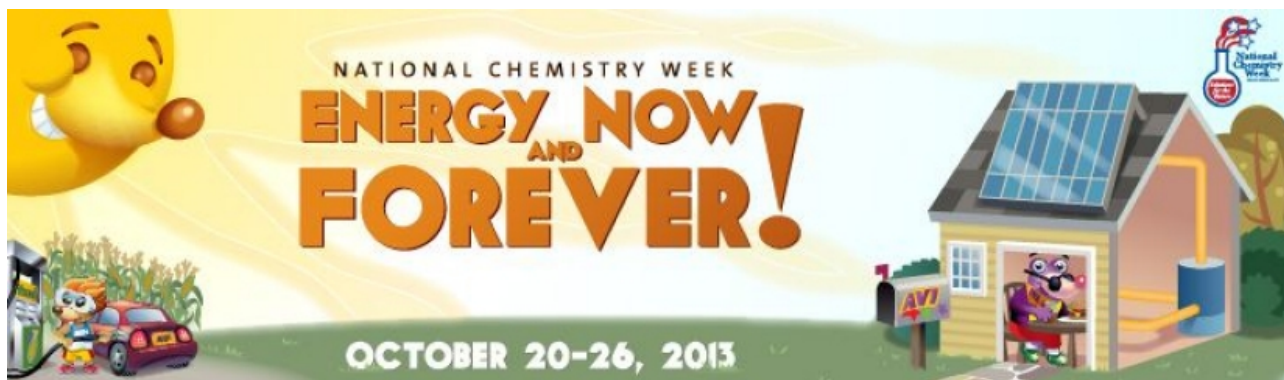
At the October Section meeting, American Chemical Society President-Elect **Dr. Tom Barton** will join the Columbus Section in recognizing the following persons who have been members of ACS for fifty or more years:

Fifty-Year Honorees		Sixty-Year Honoree
Professor Stuart Cooper Mary Jane Janki Dr. Vincent Daniel McGinniss Dr. Caroline E. Quinn Francis Schmidt	Dr. Elaine B. Stoner Edward E. Tausk Dr. Paul D. Taylor Fred D. Weaver	Dr. Clarence R. Decker

Please join us in congratulating these individuals on this significant achievement and thanking them for their many years of dedication to ACS.



NATIONAL CHEMISTRY WEEK, OCTOBER 20-26, 2013
Energy: Now and Forever!



National Chemistry Week (NCW) is a community-based annual event that unites ACS local sections, businesses, schools, and individuals in communicating the importance of chemistry to our quality of life. This year, NCW explores chemistry and energy with a focus on sustainable resources.

Your Columbus Section will be partnering with COSI on Wheels for NCW. **Volunteers are DESPERATELY needed to perform hands-on chemistry demonstrations for children of all ages at the Main Branch of the Columbus Metropolitan Library, 96 South Grant Avenue, from 10:00 AM until 3:00 PM on Saturday, October 26, 2013.** No previous experience is necessary; we will provide everything you need and show you how to perform the demonstrations on the day of the event. You are not required to work the entire time; you may sign up for a two- or three-hour "shift." Please contact Professor John Blaha at 614.287.5930 or jblaha@cscs.edu to obtain more details or to volunteer to assist with this extremely important ACS educational outreach activity.

WELCOME NEW MEMBERS!
By DAVID SPETH, SECTION CHAIR

Please join us in welcoming the following members who have joined the Section recently: The Columbus Section cordially invites new members to our monthly meetings. The Section will pay for new members' meals the first time they attend a meeting.

JEFFREY AURAND
JON CARLIDGE
ANTHONY GILMORE
ILMAN KALNIN

DANIEL KEKACS
JIANXIU LIU
WILLIAM LUM
KRISTEN MINCA
PAUL PETERSON

GREGORY ROSS
ERIC SCHURTER
BENJAMIN TWAY
CHENYI YUAN



HIGHLIGHTS OF THE 246TH AMERICAN CHEMICAL SOCIETY NATIONAL MEETING
By VIRGINIA SONGSTAD, DON SONGSTAD, AND LEWIS HOGARTH

American Chemical Society--246th ACS National Meeting--Indianapolis, Indiana--September 8-12, 2013
Theme: Chemistry in Motion

Following are some topics addressed at this Meeting that ACS Columbus Councilors **Lewis Hogarth, Donald and Virginia Songstad** [songstadva@aol.com] attended. These Council-specific topics are lifted from talking points provided to Councilors by the ACS Secretary and General Counsel Flint H. Lewis.

Meeting Attendance:

As of the morning of September 11, 2013, the ACS fall national meeting had attracted 10,840 registrants, including 6,630 regular attendees and 2,584 students.

Among the Actions of the Council and Board were:

Candidates for the fall 2013 ACS national election were announced:

Candidates for President-Elect, 2014

- Dr. G. Bryan Balazs, Associate Program Leader, Lawrence Livermore National Lab, Livermore, CA
- Dr. Charles E. Kolb, Jr., President and CEO, Aerodyne Research Inc., Billerica, MA
- Dr. Diane Grob Schmidt, Section Head R&D, The Procter & Gamble Company, Cincinnati, OH

Candidates for District II Director, 2014-2016

- Dr. George M. Bodner, Arthur Kelly Distinguished Professor of Chemistry Education and Engineering, Purdue University, West Lafayette, IN
- Dr. Alan A. Hazari, Director of Chemistry Labs and Lecturer, University of Tennessee, Knoxville, TN

Committee Review:

As part of a regular committee performance review, the Council voted to continue the joint Board-Council Committee on International Activities and the Council Other Committee on Nomenclature, Terminology and Symbols. Continuation of the Committee on International Activities also requires Board of Directors concurrence.

Committee Reports (Highlights):

Society Committee on Education:

SOCED recognized the achievement that is present in the Next Generation Science Standards, including their basis in research on teaching and learning, their formulation as performance standards, and their basis in the NRC framework and its dimensions of Science and Engineering Practices, Disciplinary Core Ideas, and Cross Cutting Concepts. SOCED supported the Standards as a document that is broadly applicable as a basis for K-12 science instruction and called upon the Society to develop innovative programming to support the implementation of the Standards.

Standing Committee on Economic and Professional Affairs (CEPA):

Committee on Economic and Professional Affairs reported that employment is up and unemployment is down for ACS chemists. The complete review of the Comprehensive Salary Survey will appear in the September 23 issue of C&EN.



Realignment of Electoral Districts:

ACS Bylaws require that the six electoral districts – from which six directors are elected to the ACS Board of Directors – be balanced in their total member populations. The Council voted to approve a proposal by the Committee on Nominations and Elections to realign these districts. The realignment meets the specified criteria for redistricting as required by Bylaw V, Section 4a and brings all six districts within permissible population range. This change takes place in 2014 and does not affect the 2013 national ACS elections. Councilors and others may visit the N&E website to look at the actual proposal and its impact.

Divisions:

After much debate, a proposed name change for the Division of Colloid and Surface Chemistry to the Division of Colloids, Surfaces, and Nanomaterials was defeated by the Council in a close vote.

Special Discussion Item:

A special discussion item was put on the Council agenda for this meeting. ACS President Marinda Wu presented and moderated a discussion on “What can we – as the Society and as individual citizens – do to help create jobs or demand for chemists?” She shared five recommendations from the presidential task force “Vision 2025: Helping ACS Members to Thrive in the Global Chemistry Enterprise” and what they might imply for our efforts to help create jobs: discover and share information about the skills and competencies that a wide range of employers will need; continue to expand resources which help our members to position themselves for successful careers in the global chemistry enterprise; enable entrepreneurs to create and strengthen their startups that hire chemistry professionals; advocate for policies that improve the business climate and promote the creation of chemistry jobs; and work with other stakeholders to understand and influence the supply and demand of chemists and jobs. Following the presentation, numerous Councilors engaged in a discussion of this focused topic on possibilities to encourage jobs creation and offered several suggestions.

Actions of the Board of Directors:

At this meeting, the ACS Board of Directors considered a number of key strategic issues and responded with several actions.

The Board's Committees and Working Groups:

On the recommendation of the Committee on Budget and Finance (B&F), the Board voted to approve an advance member registration fee of \$380 for national meetings held in 2014. The Board also voted to reauthorize funding in next year's proposed budget for the ACS International Center, and the ACS Entrepreneurial Initiative, and to authorize funding for a new initiative, the National Association of Chemistry Teachers (NACT). This association will be an ACS program to provide teachers a professional home. Through NACT they will have access to specialized resources and the broader ACS community.

The Board confirmed the recommendation of the ACS Executive Director/CEO of the new President of Chemical Abstracts Service (CAS). He is **Manuel (Manny) Guzman**, most recently Executive Vice President of Learning and Research Solutions of Cengage Learning. Mr. Guzman succeeds **Robert J. Massie**, who is retiring after leading CAS with great distinction and success for 21 years and is retiring in March 2014. Mr. Guzman will begin September 30. Mr. Massie will assist in the transition when he returns from medical leave.

The Board also voted to hold the December 2015 Board of Directors meeting in Honolulu, Hawaii, in conjunction with the 2015 International Chemical Congress of Pacific Basin Societies (Pacifichem). The ACS is the host society for the 2015 Pacifichem meeting, and co-location will allow Board members to participate in this very successful Pacifichem meeting.

Additional Information for Councilors and others:

The following is a list of URLs presented on slides at the Council meeting. You will find the information noted on these sites helpful.

www.my.acs.org

Showcases stories and photos submitted by members describing what best defines their ACS membership experience. If your story is selected, you receive a T-shirt.

www.acs.org/councilors

The ACS Councilors Handbook sets out reasonable lists of duties and expectations of Councilors, their role in governance, and information on governance organization and operations.

www.acs.org/getinvolved

ACS offers many ways to get involved at the local, regional, and national levels. There are opportunities for everyone, whether you are a student, just starting your career, or a seasoned professional.

www.acs.org/cta

Information about the Committee on Technician Affairs and its fiftieth anniversary will be posted here.

www.ACS.org/ChemistryAmbassadors

Visit the Chemistry Ambassadors website for ideas and resources to engage your community with positive messages about chemistry.

Some meeting highlights were:

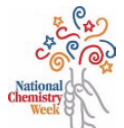
Carl Djerassi spoke on "The Last 25 Years of Carl Djerassi," with celebration of his 90th birthday

Famous actor & science advocate, **Alan Alda**, spoke on "Helping the Public Get Beyond a Blind Date with Science" at the open session of the Board of Directors

C & E News celebrated its 90th anniversary with live appearance of **Alton Brown** of Food Network

The 247th ACS National Spring Meeting will be held in Dallas, Texas on March 16-20, 2014, The theme will be *Chemistry and Materials for Energy*.

COLUMBUS SECTION ACS CALENDAR OF EVENTS

Year	Month	Date	Day	Location	Comments
2013	October	Wed	9		Deadline for reservations for October Section meeting
2013	October	Wed	16	Chemical Abstracts Service	October Section meeting. See details elsewhere in this issue of <i>The Chemical Record</i> .
2013	October	20 – 26	Sun – Sat	Here, There, Everywhere!	 <p>National Chemistry Week 2013. This year's theme is <i>Energy: Now and Forever!</i>, exploring chemistry and energy with a focus on sustainable resources</p> <p>Stay tuned for information on Columbus Section activities and volunteer opportunities!</p>



COLUMBUS SECTION ACS CALENDAR OF EVENTS

Year	Month	Date	Day	Location	Comments
2013	October	26	Sat	Main Branch, Columbus Metropolitan Library	NCW interactive chemistry demonstrations for children of all ages. Volunteers are needed; contact Professor John Blaha (Jblaha@cscs.edu) for more information.
2013	November	16	Sat	COSI	Chemistry Day celebration at COSI. Stay tuned for details.
2013	December	12		SEA	Lecture at Scientific Expert Analysis
2014	March	2 – 6	Sun – Thu	Chicago	Pittcon Conference and Expo 2014
2014	March	16 – 20	Sun – Thu	Dallas	247 th ACS National Meeting and Exposition
2014	August	10 – 14	Sun – Thu	San Francisco	248 th ACS National Meeting and Exposition
2014	October	1 – 4	Wed – Sat	Pittsburgh	45 th ACS Central Regional Meeting

ABOUT THE CHEMICAL RECORD

The Chemical Record, official newsletter of the Columbus Section of the American Chemical Society, Inc., is published monthly, February-May and September-December (eight issues per year.) Opinions expressed by editors or contributors do not necessarily represent the official position of the Columbus Section or of the editorial staff. We welcome your contributions to your *Chemical Record*. Please submit them via postal or electronic mail to **George Greene**, PO Box 360941, Columbus, Ohio 43236-0941, george.greene@abbott.com. Electronic mail contributions should be in MS Word file attachments (preferred) or plain-text messages. *Thank you very much!*

CHANGE OF ADDRESS

Changes in postal or e-mail address should be reported to the Membership Chair, **David Speth**, 614-688-5162, drspeth@sbcglobal.net. David will forward the change-of-address information to ACS Headquarters.

ADVERTISING RATES

Advertising rates for *The Chemical Record* are as follows (per single insertion): Full Page, \$250; Half page, \$150; Quarter Page, \$120; Eighth Page: \$60; Business Card, \$50. Discounts: 5% for four insertions or 10% for eight insertions during a calendar year. There is no charge for "help wanted" ads.

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