



THE OCCUPIED DAYTON SECTION



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BULLETIN

Uncontested Election Edition 2011

Meetings and Events

November 17: Professional Practices Meeting

Section Election

- Candidate Biographies and Statements — page 3
- Ballot — enclosed

Section News and Other Stuff

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DATE MATERIAL - MEETING ANNOUNCEMENT - DO NOT DELAY

ADDRESS SERVICE REQUESTED

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UPCOMING MEETING

NOVEMBER 17

PROFESSIONAL PRACTICES

Venue: Wellington Grille, 2450 Dayton Xenia Road, Beavercreek, (937) 426-4600

Social: 6:00 PM

Dinner: 7:00 PM

Awards: 8:00 PM

It has become the tradition of the Dayton Section's Professional Practices Meeting to honor those section members, who, during the past year, have attained 50 or 60 years of ACS membership. This year, our new 50-year members are: Dr. Robert A. Darrow, Dr. John J. Fortman, Mr. Paul H. Lamberger, Dr. Munson Paul Serve, and Mr. John M. Zurbuchen. Our new 60-year members are: Ms. Mary T. Ryan and Mr. James A. Webster.

All section members with more than 50 years of ACS membership are invited as guests of the Dayton Section. Of course, all other members of the Dayton Section are welcome to attend, as well. There will be no keynote speaker this year but the 50-year and 60-year members are welcome to speak a few words on their careers and years of service to the ACS. These will be given earlier than in previous years in order to avoid the catcalls from those Board Members who inevitably overindulge.

We will also announce the results of the section election, so please join us and raise a pint to welcome our newly elected officers, bid farewell to outgoing officers, and see what's new for 2012.

Reservations: Contact Venkat by COB November 14th at (937) 255-9913, at narayanan.venkat@wpafb.af.mil, or at narayanan.venkat@udri.udayton.edu.

PAST MEETING

SECTION PICNIC

A score of Section Members braved the unfamiliar territory at Fairborn's Community Park for the Seventh Annual Section Picnic of the New Era. Grilled to perfection were brats, burgers, portabella mushrooms, and hot dogs (except for one, sacrificed to the god of charcoal). This year we instituted door prizes! Categories and winners are listed below.

Most Prompt: Prof. and Mrs. Benin

Tardiest: Rachel Jakubiak

Best Excuse for Not Attending: Suzanne Seleem

Most Beverages Consumed: Jim Carey

Most Beverages Consumed without Peeing: Jim Carey

Best Brownies: Joy Haley

Briefest Appearance: John Fortman

Phlegmiest: Hilmar Koerner

Most Knuckle Hair Singed: Steve T

Best Protected Against the Elements: Lalgudi Natarajan

Most Game Knowledge: Ben Koerner

Most Toes: Corabel

2011 ELECTIONS—CANDIDATE BIOGRAPHIES & STATEMENTS

Although we were deeply disappointed when the Nomination Committee failed to convince Chris Christie to run for Chair-Elect, we are grateful to have two volunteers to run for the two offices that will be vacant come 2012. The Chair-Elect will serve in that capacity in 2012, as Chair in 2013, and as Immediate Past Chair in 2014. The Secretary will serve a 2-year term starting in 2012. The Ballot and voting instructions are enclosed.

Office: Chair-Elect

Candidate: Lori Maria Tarkany Balster

Position Title & Place of Employment:

Research Chemist, University of Dayton Research Institute (physically located at Wright Patterson Air Force Base)

Education:

Bachelors in Chemistry, University of Dayton, 1994

Bachelors in English, University of Dayton, 1994

Masters in English, University of Dayton, 2010

Professional Society Affiliations:

I've been a member of the American Chemical Society since 1995. I was involved in ACS activities when I was a student (National Chemistry week, etc.), but since beginning my chemistry career in 1994 I have been participating in ACS mainly by attending, speaking at, and writing papers for ACS national meetings. I have authored or co-authored 36 publications and 50 presentations in fuels research. I am also a member of the Coordinating Research Council (CRC) and the International Association for Stability, Handling, and Use of Liquid Fuels (IASH).

Statement:

If elected, I promise to fulfill the duties of this office to the highest level possible. I would like to use my professional background and unique interdisciplinary perspective to further the interests of the Dayton ACS and help make it the best section it can possibly be. Some issues I would like to address might include: how can we improve the standing of chemistry in relation to the other disciplines (i.e., how can we improve the image of chemistry and get more students to choose chemistry for a career?), how can we attract and retain more women in chemistry, and how can we enhance the participation, activities, and fun of our local section? The future looks bright for Dayton ACS and I look forward to being a part it!

Office: Secretary

Candidate: Wayne L. Cook

Position Title and Place of Employment:

Ink Development Scientist, Eastman Kodak Company, Digital Imaging Systems

Education:

B.S. Chemistry, University of Cincinnati, 1970.

Ph.D. Chemistry, University of Kentucky, 1974.

Research Fellow, The Ohio State University, 1974-1976

Professional Society Affiliations:

ACS Member since 1974; Industrial Relations Chair, Dayton Section, 2009 to date; Tech Fest Coordinator 2011

Statement:

I became involved in the Dayton ACS Section with the objective of increasing public awareness of the importance and contributions of chemistry to our everyday lives. This is still my main objective and I want to help the Dayton Section succeed in this outreach mission in whatever role it needs me to serve.

REPORT FROM COUNCIL

I don't know if it was the thin air or the plethora of medical marijuana clinics in Denver but Councilors were feeling *good* when Council convened at the 242nd Meeting of the ACS last August. As usual, there were only enough tables and chairs for one-tenth of the Councilors attending the complementary breakfast but most Councilors were feeling especially mellow even if they did have the munchies. There wasn't much debate, at least not until Councilors got over their cotton-mouths. A summary of what went on appears below.

As Council convened, the meeting had 10,076 registrants. Totals in select categories were as follows: Regular attendees 6,088; Students 2,376; Guests 218; Exhibit Only 394; and Exhibitors 1,000.

Election Results

- ◆ The Committee on Nominations and Elections presented to the Council the following slate of candidates for membership on the Committee on Committees beginning in 2012: Matthew K. Chan, Richard S. Danchik, Rigoberto Hernandez, Roland F. Hirsch, James M. Landis, Jr., Helen (Bonnie) A. Lawlor, Zaida C. Morales-Martinez, Howard M. Peters, Sara J. Risch and Jason E. Ritchie. By electronic ballot, the Council elected Rigoberto Hernandez, Helen (Bonnie) A. Lawlor, Zaida C. Morales-Martinez, Howard M. Peters and Sara J. Risch for the 2012-2014 term.
- ◆ The Committee on Nominations and Elections presented to the Council the following slate of candidates for membership on the Council Policy Committee beginning in 2012: Spiro D. Alexandratos, Lawrence Barton, Michael J. Brownfield, John W. Finley, Mark D. Frishberg, Peter C. Jurs, Mamie W. Moy, and Eleanor D. Siebert. By electronic ballot, the Council elected Lawrence Barton, Peter C. Jurs, Mamie W. Moy, and Eleanor D. Siebert for the 2012-2014 term.
- ◆ The Council Policy Committee presented to the Council the following slate of candidates for membership on the Committee on Nominations and Elections beginning in 2012: R. Gerald Bass, Cherylavaughn Bradley, William H. (Jack) Breazeale, Jr., Catherine C. Fenselau, Lydia E. M. Hines, Robert L. Lichter, Anne T. O'Brien, Robert A. Pribush, Andrea B. Twiss-Brooks, and Steven W. Yates. By electronic ballot, the Council elected William H. (Jack) Breazeale, Jr., Catherine C. Fenselau, Lydia E. M. Hines, Anne T. O'Brien, and Andrea B. Twiss-Brooks for the 2012-2014 term.

Candidates Announced

Candidates for President-Elect, 2012:

- ◆ Dr. Dennis Chamot, Associate Executive Director, Division of Engineering and Physical Sciences, National Research Council of the National Academy of Sciences, Washington, DC
- ◆ Dr. Marinda Li Wu, Founder and President, *Science is Fun!*, Orinda, CA

Candidates for Directors-at-Large, 2012-2014:

- ◆ Dr. Ken B. Anderson, Professor of Geochemistry, Southern Illinois University at Carbondale, IL and CEO, Thermaquatica Inc., Carbondale, IL
- ◆ Dr. William F. Carroll, Jr., Vice President, Industry Issues, Occidental Chemical Corporation, Dallas, TX
- ◆ Dr. Charles E. Kolb, President/CEO Aerodyne Research, Inc. Billerica, MA
- ◆ Dr. Barbara A. Sawrey, Associate Vice Chancellor, Undergraduate Education, University of California, San Diego, CA

Candidates for District III Director, 2012-2014:

- ◆ Dr. Pat N. Confalone, DuPont, Vice President, Global R&D, Crop Protection, Wilmington, DE
- ◆ Dr. David J. Lohse, Retired, Distinguished Research Associate, ExxonMobil Research & Engineering Co., Annandale, NJ

Candidates for District VI Director, 2012-2014:

- ◆ Dr. Bonnie A. Charpentier, Vice President, Regulatory and Quality Metabolex, Inc., Oakland, CA
- ◆ Dr. Carlos G. Gutierrez, Professor of Chemistry, California State University, Los Angeles, CA

Petitions

The Council received for action one petition to amend the ACS Constitution and Bylaws: The Petition on Position Statements. By a slim majority, the Council voted to approve the Petition on Position Statements, which allows for clear and consistent position development for the Society. The petitioners maintain that this amendment assures that the Board of Directors has sole authority in issuing position statements that establish policy for the full Society; and that Society bodies other than the Board may issue statements on issues that fall solely in their jurisdiction so long as they do not impair other Society bodies' ability to do the same. Critics claim that this amendment is a power grab, pure and simple. The Board of Directors will vote within 90 days on whether to ratify the approved petition but you can bet it's a done deal.

The Council also received for consideration two petitions to amend the ACS Constitution and Bylaws: Petition on Market Data Collection and Petition to Amend Recorded Vote Request Procedure. The Petition on Market Data Collection seeks to add a provision to allow for controlled market testing to collect data before the Society changes benefits, dues, or membership categories. The Petition to Amend Recorded Vote Request Procedure provides that a call for a recorded vote after clicker voting has commenced will be out of order, as would a call for a recorded vote after the initial clicker voting has taken place. Both the Petition on Market Data Collection and the Petition to Amend Recorded Vote Request Procedure will be on the Council agenda for action at the 2012 spring meeting.

Special Discussion

A special discussion item was put on the Council agenda for this meeting. ACS President Nancy Jackson presented and moderated a discussion on how ACS can best cultivate a culture of safety in US universities and colleges. At the 2011 ACS national meeting in Anaheim, the Committee on Chemical Safety launched an effort to identify ways to assist academia in strengthening and building strong safety cultures. Devastating incidents in academic laboratories and observations by many that graduates do not have strong safety skills have elevated concerns about the safety culture in academia. Following Dr. Jackson's presentation, Councilors engaged in robust discussion on this very timely topic, with numerous suggestions by 42 different Councilors.

Changes in Technical Divisions

The Council voted to grant full division status to the previously probationary Division of Catalysis Science and Technology, and to approve the proposed bylaws of this division.

After a lively discussion, the Council voted 53% - 47% to dissolve the Division of Petroleum Chemistry and to combine its assets and members with those of the Division of Fuel Chemistry under the new name of the Division of Energy and Fuels, effective December 31, 2011. The discussion centered largely around the inclusion of "energy" in the name, which critics thought too inclusive.

Employment, Economic, and Professional Activities

The Presidential Task Force on Innovation and Job Creation released their report, entitled "Innovation, Chemistry & Jobs." The report contained four recommendations to stimulate innovation and job creation in the US chemical industry. The Committee on Economic and Professional Affairs (CEPA) and Corporation Associates co-sponsored a new program funding request to establish an entrepreneurial initiative, which would implement two of the four recommendations. First, it establishes an educational program to guide budding entrepreneurs through the creation of new chemical businesses. Second, it supports the formation of new chemical companies by providing access to the unparalleled informational resources of the Society, as well as other professional resources.

Your faithful Councilor,
Steve Trohalaki

Alzheimer's Avoidance Therapy* Unscramble the letters to reveal chemical names or mixtures. Then, use the circled letters to solve the riddle. Answers next edition!

ACINOT □ ○ ○ ○ ○ ○
 BEEILNST □ ○ ○ ○ □ □ □ □
 DEEILS ○ ○ □ ○ □ ○

In her form-fitting lab coat, there was never a more alluring organic chemistry student than Bette, even with the faint grey spots under her big, blue eyes that betrayed last night's indulgences. When warned that she had forgotten to add boiling chips to her round bottom flask, Bette imagines consuming a martini in one gulp, then takes five dramatic strides away from the fume hood, turns to face her TA, and says, "Fasten your seat belt. It's going to be a bumpy

○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ !"

AAT-2 – Su Doku for Chemists!

Using the following nine chemical elements:

Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu
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fill in the grid below so that each row, column, and 9-element subcell has only one occurrence of each element.

				Mn			Ti	
			Ni	Co				Cr
Ti	Fe	Co					Ni	
V					Co			Cu
	Mn			Cu	Ni			
	Sc							Ti
Mn			V		Cu			
Cr		Fe				Cu		
			Ti				Cr	

Answers for Last Edition

SODIUM 1-CENTENE ³³K

After 3 hours 43 minutes of war, betrayal, deception and death (not necessarily in that order) up on the big screen, Vivien exclaims, "Tara! Home. I'll go home. And I'll think of some way to get him back. After all, tomorrow is another 794243384928000 cycles of radiation corresponding to the transition between two energy levels in an atom of CESIUM-133!

99-Percenter Occupies the Dayton Section

Unbeknownst to most of us, dozens of 99-Percenter convened at the Dayton Section Headquarters several weeks ago. We found out only when Section Secretary, Jim Carey, went to retrieve the mail. Chanting, "Hell No to the Status Quo" and "No More Business as Usual," the protesters prevented Jim from gaining entry. Jim tried to explain that "business as usual" results in the Section mail piling up month after month, and that by taking it away and distributing it to the proper Section Officers and Committee Chairs he was actually doing what the 99-Percenter wanted but the irony was lost on them. Jim declined sincere offers to join the protest, told them that they were much nicer and smelled much better than the teabaggers he encountered last year, and then went to the nearest bar to lift a few and steady his nerves, no mail in hand.

Solution for Last Edition

Ti	Ni	Fe	Cu	Cr	Sc	Mn	Co	V
Sc	Cr	Co	Mn	V	Fe	Ni	Ti	Cu
Cu	Mn	V	Ni	Co	Ti	Fe	Cr	Sc
Fe	V	Ti	Co	Ni	Cu	Sc	Mn	Cr
Mn	Cu	Sc	V	Ti	Cr	Co	Fe	Ni
Ni	Co	Cr	Sc	Fe	Mn	Cu	V	Ti
Cr	Sc	Ni	Fe	Mn	V	Ti	Cu	Co
Co	Ti	Mn	Cr	Cu	Ni	V	Sc	Fe
V	Fe	Cu	Ti	Sc	Co	Cr	Ni	Mn

*Surveys suggest that mental exercises, including word puzzles, may delay the progression of Alzheimer's Disease.