

## ANACHEM LIFETIME ACHIEVEMENT AWARD HONORING PATSY COLEMAN



Monday, June 6, 2011  
O'MARA'S RESTAURANT  
2555 W. 12 MILE RD., BERKLEY, MI

SOCIAL HOUR 5:30 – 6:30 PM (Cash Bar)  
DINNER 6:30 PM  
\$23.00 PER PERSON, CASH OR CHECK MADE TO  
ANACHEM

Dinner features your entree choice of Dublin Broil, Chicken O'Mara, or Lake Superior Whitefish (choose when you arrive). Dinner includes a Bread Basket, Soup or Salad, a Starch, Vegetables and Desert. (Vegetarian entree can be requested when you make your reservation.)

Please make your reservation by leaving a message at 586-986-0827 or via e-mail to [Keith.L.Olson@gm.com](mailto:Keith.L.Olson@gm.com). Reservations should be made by May 31, 2011. A map and directions to O'Mara's Restaurant are available at [www.omaras.net](http://www.omaras.net).

*(Continued from page 1)*

The Association of Analytical Chemists is privileged to present the third ANACHEM Lifetime Service Award to Dr. Patricia Coleman for her many years of service. Patsy has been an active member of ANACHEM since the 1990's when she moved to Detroit. She is a past president and continues to serve on the ANACHEM board of directors. For several years she has been the program chair for the annual ANACHEM fall symposium. On numerous occasions she has represented ANACHEM as a delegate to the FACSS governing board. Many ANACHEM and Detroit SAS members have benefited from her efforts to bring SAS tour speakers to the Detroit area each spring. We hope that you will join us for an enjoyable evening with friends and fellow ANACHEM members as we thank Patsy by presenting her with the Lifetime Service Award.

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## **NOMINATIONS FOR 2012 SECTION OFFICERS AND COUNCILORS**

The Section's Nominating Committee has selected a slate of candidates to run for election for 2012 officers. According to the bylaws, Councilor and Alternate Councilor offices must have at least one more nominee than there are available openings. Councilors and Alternate Councilors serve three year terms. Nominations may also be made by petition. Section members interested in running for an office can submit a Petition to the Section Secretary giving the office for which they wish to run. The Petition must be endorsed by 1% of the Section Membership (15 members). and sent to the Section Secretary, Megan Klein, postmarked on or before June 30, 2011. For more information or for help in obtaining the necessary endorsements, call the Section Secretary, Angela Allen at:

**[ajallen@umd.umich.edu](mailto:ajallen@umd.umich.edu)**

### **SLATE OF NOMINEES FOR FALL 2011 ELECTION**

Chair-Elect: Megan Klein

(There are no elections for secretary or Treasurer this year, because the current incumbents will continue to serve in 2012 due to recent bylaw changes.)

Councilor (choose 1): Mark Benvenuto  
Anthony Sky

Alternate Councilor (choose 1): Kevin Perry  
Steven Scribner

**American Chemical Society – Detroit Local Section –  
Younger Chemists Committee Presents:**



Brewing Chemistry is a monthly lectures series. These informal talks are designed to make science fun and accessible for all. The lectures take place at 7 p.m. on the third Tuesday of every month at:

Traffic Jam & Snug, 511 West Canfield Street, Detroit, MI 48201

There is no admission charge, and free parking is available. Feel free to join us before the talk at 6:00 PM for a dutch-treat dinner. For more information, contact Meghann at 313.993.1259 or [meghann@brewingchemistry.com](mailto:meghann@brewingchemistry.com)

**Tuesday, May 17, 2011 at 7 PM**

**Could Forensics get More Students to Major  
in Science?**

**Presented by:**

**Anthony Sky, Ph.D., Professor and Chair, Department of  
Natural Sciences, Lawrence Technological University**

In 2004, the National Science Board claimed that there is a decline in the number of American students training to be scientists and this could threaten the economic welfare and security of our country. Others say, large numbers of aspiring science majors, perhaps as many as half, are turned off by unimaginative teaching and change their majors before graduating. In 2007 the TIMSS (Trends in International Mathematics and Science Study) results, indicated that 44% of American High School Juniors were not proficient in science.

Join Anthony Sky, Professor of Chemistry, as he opens his forensic files to reveal a few of the tactics he has employed to engage more student in science.

[www.brewingchemistry.com](http://www.brewingchemistry.com)

# **BUILDING A ROBUST WORKFORCE IN THE U.S.**

## **A SPECIAL REPORT TO THE AMERICAN CHEMICAL SOCIETY 241<sup>st</sup> ACS NATIONAL MEETING ANAHEIM, CA MARCH 27-31, 2011**

From the beginning of Joseph Francisco's presidential succession, he has focused on one overarching theme—ensuring that aspiring chemists and seasoned professionals in the U.S. have the skill sets, resources, and external environment to build and sustain a robust workforce in the U.S. Given the historic job losses in our enterprise in the past few years, he felt that this was by far his most important priority.

Last year at the ACS spring meeting, a Presidential symposium explored the skills needed by industry in a global environment and what universities could do to provide those skills. Also last year, President Francisco appointed two presidential task forces, both of which have now come to fruition. One task force completed its work late last year and developed the concept of an ACS international center, which would be the first place a U.S. chemist would come to learn about international education, research, and employment opportunities abroad and a non U.S. chemist would come to learn about those same opportunities in the U.S.

The second task force was charged with ensuring that the U.S. remains the most innovative and entrepreneurial country in the world. This task force was headed by Harvard University professor and entrepreneur George Whitesides and comprised eminent members of the chemical enterprise from industry, academia, and government, all with experience in entrepreneurship. They outlined the current landscape of innovation in chemistry, broadly

*(Continued from page 4)*

defined; defined barriers and opportunities for stimulating innovation; and recommended specific programs that ACS could implement to help chemists become innovators and entrepreneurs and thus create new, high-paying sustainable jobs in the U.S. and stem further job losses

The Task Force had many recommendations, which fall into four major categories.

First, the task force recommended that ACS should **develop a single organizational unit—a kind of “technological farmers’ market”—offering affordable (or free) help to entrepreneurs.** This unit is envisioned as supporting entrepreneurs by facilitating more affordable access to resources that should foster the creation of small companies from startups. Relevant resources might include information, management expertise, key services, and mentors. The unit could also support entrepreneurs in making introductions to much-needed capital and fostering partnerships with large companies. ACS staff and several ACS governance units are already exploring how this one-stop portal can be implemented.

Second, the task force recommended that ACS should **increase its advocacy of policies at the federal and state level to improve the business environment** for entrepreneurs and startup companies. The task force suggested that ACS should urge reforms within the U.S. Patent and Trademark Office to assure more accurate patents and faster issuance. The USPTO has a backlog of 700,000 patents, and the slow pace of issuance is a deterrent to keeping the U.S. competitive. ACS needs to lobby for legislative reforms, but in addition, ACS has talented unemployed members who could be of assistance to patent examiners. ACS has written to the head of the USPTO and have already heard back that they are interested in exploring a number of ideas. The task force also outlined a number of financial policies that if enacted could encourage large companies to partner with small ones to promote entrepreneurship. These include preferential tax treat-

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ment for repatriated income invested in U.S.-based developers of technology and making the R&D tax credit more simplified, permanent, and transferable. And there was a host of other ideas.

The third recommendation urged ACS to **partner more vigorously with academic institutions and other relevant organizations to promote awareness of career pathways and educational opportunities** that involve or include entrepreneurship. The task force had several interesting suggestions that will be pursued by various staff and governance units.

And finally, the task force felt that ACS should **increase public awareness of the value of early-stage entrepreneurship** in the chemical enterprise with focused media coverage and information targeted to federal agencies that support chemistry. In addition, ACS should provide ways to recognize entrepreneurs publicly, to increase their visibility and enhance their opportunities for success.

In the near future, President Francisco plans to release the entire report to members, the public, and policymakers. If you have ideas, please send them to Madeleine Jacobs, [m\\_jacobs@acs.org](mailto:m_jacobs@acs.org). As this Task Force was concluding its work, President Barack Obama delivered his January 2011 State of the Union Address. In that address, President Obama stated: “The first step in winning the future is encouraging American innovation. None of us can predict with certainty what the next big industry will be, or where the new jobs will come from. ... What we can do—what America does better than anyone—is spark the creativity and imagination of our people.”

To that end, the American Chemical Society is positioned to help stimulate entrepreneurial activities across the chemical enterprise to help spark the creativity and imagination of our country’s chemists and thereby create quality jobs in the U.S.

**Thursday June 2, 2011 2pm--3pm ET**

**Can We Grow Energy? – Role of Chemistry in the Energy Future**

The global demand for energy continues to soar and the interface of biology □ chemistry to fossil fuel replacement may be the next breakthrough. How is chemistry preparing for this challenge? What technologies are holding promises? Will biofuels be the solution or create other problems?

*Speaker: Dr. Bruce Dale, Michigan State University*

**Thursday June 9, 2011 2--3 p.m. ET**

**Wow Your Crowd: Presenting Online with Power**

To succeed as a scientist, you need to present your results. You may be familiar with strategies to make interesting in person presentations, but do you know how to give a TERRIFIC ONLINE presentation? With advances in technology, you will be expected to give online presentations in your career life. Can you really pull that off? YES YOU CAN!

*Speaker: Jeff Hiller, JB Training Solutions*

**Thursday June 16, 2011 2pm--3pm ET**

**Protecting Your Idea & Safeguarding Your Business Structure**

Considering a start up? Wondering how to most effectively work with internal and external counsel? Get a brief update on why you keep hearing about patent reform in Congress and what it means for you, understand the global perspective on patenting, and receive practical advice for your business.

*Speakers: Dr. Chris Curfman, McKeon Meunier Carlin & Curfman, LLC and Dr. Christine Bellon, Hydra Biosciences*

**Tuesday, June 21, 2011 2pm--3pm ET: Engaging Colleagues in Dialogue**

Have you ever found a project to go awry only to learn that miscommunication was the cause? Good communication skills can make all the difference in your success as a leader. This webinar will help you improve your communication skills from both sides of the communication exchange – as sender and receiver.

*Speaker: Dr. Kathleen Schulz, ACS Board of Directors*

**Thursday, June 23, 2011 2--3 p.m. EDT: Fostering Innovation**

Are you challenged to come up with new ideas and solutions? Learn tips and strategies to get that innovative juice flowing.

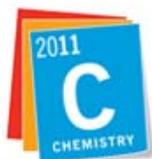
*Speaker: Dr. Frankie Wood--Black, Trihydro Corporation*

**Thursday, June 30, 2011 2--3 p.m. EDT**

**Advanced Culinary Chemistry – Sizzles for the Summer**

Summer is a time for outdoor get--togethers, relaxing under the sun and the “Great American BBQ.” Get ready to unveil one of the most sought after aromas of barbeque – chemistry in smoke house flavor.

*Speaker: Dr. Kent Kirshenbaum, New York University*



## International Year of **CHEMISTRY** 2011

### **Join the Movement**

#### **Apply for an ACS Grant**

The ACS Division of Analytical Chemistry is offering grants for up to \$500 to colleges and universities to support an outreach project that will inform the chemistry community and the public about the significance of analytical chemistry for the IYC themes of environment, energy, materials and health. Projects could consist, for example, of a plenary lecture or symposium; an activity designed for pre-college students or the general public; or a field experience related to the water analysis project of the IYC. The Division will provide up to \$500 each for up to 10 projects at undergraduate institutions and up to 10 projects at graduate institutions. Applications may be submitted by a group of institutions, such as a regional Younger Chemists Committee or Student Affiliates group. **Applications** must be submitted by June 1, 2011:

**[http://www.analyticalsciences.org/IYC\\_2011\\_Analytical.pdf](http://www.analyticalsciences.org/IYC_2011_Analytical.pdf)**

#### **Attention Students – Submit Your Entry for the Global Stamp Competition**

The International Union of Pure and Applied Chemistry (IUPAC)-sponsored competition was launched with the goal of designing a national stamp that reflects the impact of the chemical enterprise on the culture and/or everyday life in one's country. The submission deadline is June 15, 2011. Visit the official **IYC website** to learn more:

(Continued from page 8)

**<http://www.chemistry2011.org/>**

**Attention Students – Submit Your Entry for the Student  
Chemistry Cartoon Competition**

On the occasion of IYC 2011, the IUPAC's Physical and Biophysical Chemistry Division announced this competition with the goal of illustrating a chemistry principle in a manner that can enrich the teaching of chemistry. The winner of the competition will be invited to attend the 43rd IUPAC Congress in Puerto Rico in July at which a \$1,000 prize will be presented and the finalist cartoons displayed. Merit prizes of \$100 will go to five other students whose cartoons are chosen as finalists. Visit the official **IYC website** to learn more

**<http://www.chemistry2011.org/>**

**Attention Students – Submit Your Entry for the Student  
Physical Chemistry Video Competition**

On the occasion of IYC 2011, the IUPAC's Physical and Biophysical Chemistry Division announced this competition with the goal of illustrating a physical chemistry principle in a manner that can enrich the teaching of physical chemistry. The winner of the competition will be invited to attend the 43rd IUPAC Congress in Puerto Rico in July at which a \$1,000 prize will be presented and the winning video screened. Merit prizes of \$100 will go to five other students whose videos are chosen as finalists. Visit the official **IYC website** to learn more:

**<http://www.chemistry2011.org/>**

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Never doubt that a small group of thoughtful, committed people can change the world. Indeed, it is the only thing that ever has.

--Margaret Mead

## **Access Presentations from the Anaheim National Meeting**

Approximately 500 presentations that were recorded during the Spring 2011 ACS National Meeting in Anaheim, CA, are now available at [www.acs.org/meetingcontent](http://www.acs.org/meetingcontent). These presentations feature PowerPoint slides synched with audio and permit you to jump directly from slide to slide if you wish.

Reflecting the breadth of science available at ACS national meetings — including this meeting's thematic program of "Chemistry of Natural Resources" — the recorded sessions include:

\* Charles Lathrop Parsons Award: Symposium in Honor of Michael E. Strem

\* Click Chemistry Approaches in Carbohydrate Chemistry

\* Frontier Energy Research

\* Functional Materials from Natural Resources

\* Natural Products and Drug Discovery

\* Nuclear Energy for Today and Tomorrow

\* Solar Power as an Alternative Energy Source

Visit [www.acs.org/meetingcontent](http://www.acs.org/meetingcontent) to see the full list of available presentations and to access this valuable content free of charge.

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## **Register Today for Green Chemistry Conference**

Register today for the 15th Annual Green Chemistry & Engineering Conference, in partnership with the 5th International Conference on Green and Sustainable Chemistry, being held June 21-23, 2011 in Washington, DC. Join chemists, engineers, business professionals, and students for three days programming and 28 technical sessions along the theme "Global Challenges, Green Chemistry Solutions".

Visit the conference website for details about registration, housing, and the program. The full online program will be available after May 6.

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## **ACS Mobile Now on Android**

ACS's award-winning mobile application, ACS Mobile, is now available on the Android™ platform. ACS Mobile provides you with a live stream of new peer-reviewed research content from all ACS journals and the latest in science news from C&EN. It was recognized by the Association of American Publishers as the 2010 Best eProduct/Innovation in ePublishing. Download ACS Mobile now from the Android Market for the introductory price of \$2.99. The application is also available for Apple devices, and can be downloaded from the iTunes Store. Learn more at [www.acsmobile.org](http://www.acsmobile.org).

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## Calendar of Upcoming Events

**Second Tuesday of the Month:** Section Executive Committee Meeting – The May 10th Executive Committee Meeting will be held at the University of Michigan Dearborn, Science Building Room 108. The meeting will start at 7:00 PM and will be preceded by the Section Annual Meeting.

**Third Tuesday of Every Month:** Brewing Chemistry. Please see <http://brewingchemistry.com> for information on upcoming events. This program will continue throughout the summer months! On May 17, Tony Sky will speak on “Could Forensics get More Students to Major in Science?”, see page 3 for details.

**May 26:** ACS/CIC Awards Meeting. See April Chemist for details.

**June 6-10:** 22nd North American Catalysis Society Meeting. Please see January Chemist for details.

**June 6:** Anachem Lifetime Achievement Award, see pages 1-2 for details.

**June 21-23:** Green Chemistry Conference, see page 10.

**Nov. 11:** ANACHEM Symposium (Details TBA)

**June 5-9, 2012:** CeRM (Central Region ACS 2012 Meeting) sponsored by the Detroit Section.



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