



The Chemical Record

Volume 53 — Number 6 — October, 2011
Columbus Section of the American Chemical Society, Inc.
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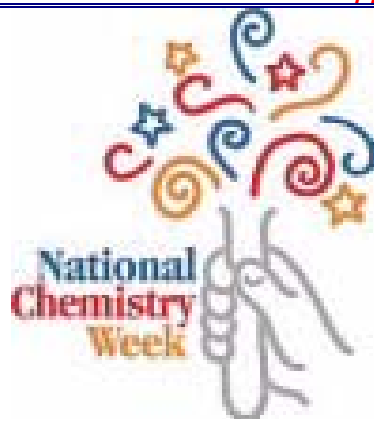
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NATIONAL CHEMISTRY WEEK, OCTOBER 16-22, 2011

CHEMISTRY—OUR HEALTH, OUR FUTURE!

A Terrific Opportunity to Interact with Youth and Have Fun in the Process!



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 the positive impacts of chemistry as it relates to nutrition, hygiene, and medicine.

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 10:30 AM until 3:30 PM on Saturday, October 22, 2011.** 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@csc.edu to obtain more details or to volunteer to assist with this extremely important ACS educational outreach activity.



MEETING NOTICE

Columbus Section of the American Chemical Society, Inc.

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

Meeting #850

SCIENCE IS FUN AND THE JOY OF LEARNING

Presentation of Certificates to our 50 and 60 Year Members

BASSAM Z. SHAKHASHIRI

William T. Evjue Distinguished Chair
University of Wisconsin –Madison
President Elect
The American Chemical Society, 2012

Tuesday, October 11, 2011

Chemical Abstracts Service
2540 Olentangy River Road
Columbus OH 43202
614-447-3600
www.cas.org

PROGRAM DETAILS

5:00-6:00PM	Executive Committee Meeting , CAS
6:00-6:45 PM	Social Hour (Appetizers & Wine,) Chemical Abstracts Service Lobby
6:45-7:30 PM Dinner	Italian garden salad with assorted dressings Please select either: <ul style="list-style-type: none"> • Chicken Monterey - baked 6 oz chicken breast with diced tomatoes, green onions & shredded Monterey jack & cheddar cheeses OR • Citrus Salmon - 4 oz portion OR • Cheese Tortellini Marinara Broccoli, cauliflower & carrots; oven roasted new red potatoes; roll & margarine; beverages - non alcoholic; carrot cake/German chocolate cake
7:30-8:30 PM Program	Presentation of Certificates to our 50 and 60 year members Address by Dr. Bassam Shakhshiri , President Elect, The American Chemical Society
Cost	\$25 per person members and non-members, \$20 for retired and unemployed members. Payment will be collected at the door; cash and checks accepted. <i>Remember that this is a dinner order and must be paid. Please help control costs by honoring your order.</i>
RSVP	Because attendance at this event is expected to be high, please make your reservations as soon as possible. Dinner reservation attendance will be limited to 75 people. Attendance at the program will be limited to 140 people (in addition to the 75 dinner guests). 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.

*Voicemail/e-mail Reservations Template	<ul style="list-style-type: none"> • First and last name: Please spell last name. • Membership category: member, high school teacher, non-member, retired, emeritus, unemployed, student, other. • Employer • Entrée Choice: Chicken, Salmon, or Tortellini Marinara • 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	Monday, October 3, 2011 at noon
Program Contact	Karen Irving , 614-292-1229; irving.8@osu.edu
Directions & Parking	<p>From the North</p> <p>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.</p> <p>- or -</p> <p>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>- or -</p> <p>Take I-71 South to North Broadway. Turn right onto North Broadway. Continue west on North Broadway across High Street and under 315. Turn left at the light at Olentangy River Road and head south. Turn left at the Ackerman Road light. CAS is on the right just past the light at Ackerman Road. Note that Dodridge Street is CLOSED for bridge repair.</p> <p>From the East</p> <p>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</p> <p>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> <p>From the South</p> <p>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.</p> <p>- or -</p> <p>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.</p> <p>Visitor parking at CAS</p> <p>You may park by the front door where visitor parking is indicated, along the drive where there is a pink line, or in the staff parking.</p>

ABOUT THE TOPIC: SCIENCE IS FUN AND THE JOY OF LEARNING

Chemistry is both the central science and the *familiar* science. The familiarity of chemistry has yet to be fully exploited in reaching all segments of society, especially the non-specialists. Chemistry brings a wide range of goods and functions to everyone and thus is vital to our democracy. My presentation will include demonstrations to show how science can be communicated to all segments of our society. Students, faculty, and all members of the community are invited. Come learn about combustion, exploding balloons, liquids that glow in the dark, polymers, and other spectacular scientific phenomena. You will sit at the edge of your seat and will see science in action.

ABOUT THE SPEAKER: BASSAM Z. SHAKHASHIRI

Bassam Z. Shakhshiri is the first holder of the William T. Evjue Distinguished Chair for the [Wisconsin Idea](#) at UW-Madison. He is well known internationally for his effective leadership in promoting excellence in science education at all levels, and for his development and use of demonstrations in the teaching of chemistry in classrooms as well as in less formal settings, such as museums, convention centers, shopping malls and retirement homes. The *Encyclopedia Britannica* sites him as the "dean of lecture demonstrators in America." His scholarly publications, including the multi-volume series, [Chemical Demonstrations: A Handbook for Teachers of Chemistry](#), are models of learning and instruction that have been translated into several languages. He is an advocate for policies to advance knowledge and to use science and technology to serve society. He promotes the exploration and establishment of links between science, the arts and the humanities, and the elevation of discourse on significant societal issues related to science, religion, politics, the economy, and ethics. Professor Shakhshiri is the 2011 President-Elect of the American Chemical Society, and will serve one-year terms as president in 2012 and immediate past president in 2013.

A native of (Anfe, El-Koura) Lebanon, Professor Shakhshiri is the son of the late Dr. Zekin A. Shakhshiri, a pioneer in public health at the American University of Beirut, and the late Adma N. Shakhshiri, an alumna of what is now Lebanese American University. The Shakhshiris -- father, mother, son and two daughters, Amal and Maha -- came to the United States in 1957 when Bassam was 17 years old with one year of college (at the American University of Beirut) behind him. [He completed undergraduate work at Boston University](#) (Class of '60) with an A. B. degree in chemistry, served as a teaching fellow at Bowdoin College for one academic year and then earned M.Sc. and Ph.D. degrees in chemistry at the University of Maryland ('64 and '68, respectively).

After a year of post-doctoral research and two years as a junior member of the chemistry faculty at the University of Illinois-Urbana, Professor Shakhshiri joined the faculty of the UW-Madison in 1970, a position he still holds. In 1977 he became the founding chair of the UW System Undergraduate Teaching Improvement Council, now called the [Office of Professional and Instructional Development](#). In 1983 he founded the [Institute for Chemical Education](#) (ICE) and served as its first director. His work with ICE inspired the establishment of the Center for Biology Education, the Merck Institute for Science Education, the Miami University (of Ohio) Center for Chemical Education, the Sacred Heart University SMART Center, and others. In 2002 he founded the [Wisconsin Initiative for Science Literacy](#) (WISL) and continues to serve as its director.

From 1984 to 1990 Professor Shakhshiri served as Assistant Director of the National Science Foundation (NSF) for Science and Engineering Education. As the NSF chief education officer he presided over the rebuilding of all the NSF efforts in science and engineering education after they had been essentially eliminated in the early 1980's. His leadership and effectiveness in developing and implementing national programs in science and engineering education have helped set the annual NSF education budget at its current level of over \$900 million. His NSF strategic plan launched the systemic initiatives and most of the other NSF education programs of the last two decades.

Professor Shakhshiri has given over 1300 invited lectures and presentations in North America, Europe, Asia, Australia, the Middle East and South America. He has been featured in newspapers, magazines, national and local radio and television; these include the *New York Times*, *Washington Post*, *Newsweek*, *Time*, the German-language *Business Week*, NBC Nightly News, National Public Radio, CNN, and the Larry King show. He appears as a [regular quest](#) on the Ideas Network of Wisconsin Public Radio.

Professor Shkhashiri is the recipient of over 35 awards, including Outstanding Lecturer of the Year in General Chemistry, University of Illinois (1969 and 1970), the 1977 Kiekhofers Distinguished Teaching Award from UW-Madison, and the 1979 Manufacturing Chemists Association Catalyst Award. He is the youngest recipient of two of the American Chemical Society's (ACS) most coveted recognitions -- the [James Flack Norris Award for Outstanding Achievement in the Teaching of Chemistry](#) (1983) and the ACS [George Pimentel Award in Chemical Education](#) (1986); he has been a member of the ACS since 1962. In 1982 he was given the [Ron Gibbs Award](#) of the Wisconsin Society of Science Teachers for "outstanding contributions to science education at the local, regional, national, and international levels." In 1987, he was cited for distinguished public service by the District of Columbia Science Education Association, the National Science Teachers Association, the South Carolina Academy of Science, and the Boston University General Alumni Association.



He received the 2002 American Association for the Advancement of Science (AAAS) [Award for Public Understanding of Science and Technology](#), "for his tireless efforts to communicate science to the general public, and especially children." In 2004 he was inducted into the [Hall of Fame](#) of the national chemistry fraternity Alpha Chi Sigma. In 2005 he received the Madison Metropolitan School District Distinguished Service Award for a Citizen, the [Chemical Pioneer Award](#) from the American Institute of Chemists, the ACS [Helen M. Free Award](#) for Public Outreach for "lifelong accomplishments and for explaining and demonstrating science with charisma and passion," and was cited in the Answer Book of Capital Newspapers as the "coolest UW professor." In 2006 he received the Rotary Senior Service Award from the Rotary Club of Madison. In 2007 he received the [National Science Board Public Service Award](#) and was cited for "extraordinary contributions to promote science literacy and cultivate the intellectual and emotional links between science and the arts for the public." In 2008 he received the inaugural [Emerson Science Advocacy Medal](#) from the University of Nevada-Las Vegas and was cited for "distinguished, sustained, and lasting contributions in the development of the sciences."

Professor Shkhashiri is an elected fellow of the South Carolina Academy of Science, the Alabama Academy of Science, the New York Academy of Science, and the Wisconsin Academy of Sciences, Arts and Letters. He is the recipient of honorary doctoral degrees from George Washington University, Illinois State University, Ripon College, University of Colorado, Grand Valley State University, University of South Carolina and Lebanese American University. He is a national and international consultant to government agencies, academic institutions, industry, and private foundations on policy and practice matters related to science and to education at all levels.

Professor Shkhashiri and his wife June live in Madison. Their daughter Elizabeth is a 2007 alumna of UW-Madison, and received her law degree from the University of Michigan Law School in Ann Arbor in 2010; she currently practices law in Chicago.

COLUMBUS SECTION RECOGNIZES FIFTY AND SIXTY-YEAR ACS MEMBERS

By Wendy Reichenbach

At the October Section meeting, American Chemical Society President-Elect **Bassam Shkhashiri** will join the Columbus Section in recognizing the following persons who have been members of ACS for more than fifty years:

Fifty-Year Honorees		Sixty-Year Honorees	
DR. ALAN ABEL	DR. RICHARD NUENKE	DR. LUCILE DECKER	DR. SHELDON SHORE
DR. ROBERT AUSTIN	MRS. PRISCILLA RATLIFF	DR. GIDEON FRAENKEL	DR. CHARLES STOCKMAN
DR. DAN BORGNAES	MR. RICHARD SHARPE	DR. CASIMIR GLADYS	DR. RICHARD TOENISKOETTER
MR. CARTER BROWN	DR. RICHARD THEIS		
MR. JAMES EDMAN			

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

EMPLOYMENT, ECONOMIC, AND PROFESSIONAL ACTIVITIES
From the Denver ACS Meeting, Submitted by Theresa Huston

ACS has created new programs to assist unemployed members and new resources for all members, from students to seasoned professionals. The first ever fully integrated onsite and virtual career fair in Denver offered job seekers and virtual participants via webcam the opportunity to interact with each other and to connect with prospective employers and programs to sharpen their career skills. The number of employers was up from Anaheim.

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. The initiative was approved by the Board, and will be implemented early next year.

CEPA is also working with ACS President **Nancy Jackson**, members of the Board, and other committees on the "Paying It Forward" campaign. Dr. Jackson kicked off the campaign with her comment in the August 8 issue of C&EN, emphasizing the need for, and importance of members helping members. She asks each of the Society's more than 163,000 members to help unemployed members by taking specific action now. Dr. Jackson's comment will be followed by four other C&EN comments.

Because networking is especially important in a down economy, CEPA and ACS Career Services co-sponsored the largest networking event in ACS history. The ACS Global Networking Reception allowed Denver attendees and others to attend a seminar entitled "Networking 101 – Making Your Contacts Count," and then practice networking with local sections, student chapters, international chapters, and individuals all over the world joined electronically.

In another exciting initiative, the Chemical Entrepreneurship Council (CEC) has assembled. The group consists of the Women Chemists Committee, the Committee on Science, the Division of Small Chemical Businesses, the Division of Business Development and Management, the National Collegiate Inventors and the Innovators Alliance. This self-organized working group is concerned with providing the resources and skills necessary for chemists to translate research into innovations which can become commercial products. The outputs for the CEC decided at the Denver meeting to include education and training, a roadmap to inventory resources, and outreach for member engagement.

USA TEAM BRINGS GOLD AND SILVER FROM 43RD INTERNATIONAL CHEMISTRY OLYMPIAD
From the ACS Website

The U.S. National Chemistry Olympiad program would like to proudly announce the success of the Alpha Delta Team at the 43rd International Chemistry Olympiad competition, which concluded July 18, 2011 in Ankara, Turkey.

U.S. Team students:

- **Konstantin Borisov** of North Allegheny Senior High School, PA, won Gold Medal
- **Tayyab Shah** of Vestal High School, NY received Silver Medal
- **Elmer Tan** of Vestal High School, NJ earned Silver Medal
- **Joe Tung** of Gretchen A. Whitney High School, CA won Gold Medal.

The USA Team students competed against 269 students from 69 countries.

UPCOMING FREE ACS WEBINARS
From the ACS Website

Go to <http://acswebinars.org> for complete information.

10/4 - The Road Less Traveled –
Alternative Careers for PhD Scientists
Speaker: Steve Carlo
Moderator: Patricia Blum

10/20 - The Art in Startups: Getting funded
Speaker: Joseph Steig NCIIA
Speaker: Steve Flaim
Moderator: Judith Giordan

11/17 - The Chemical Keys to Thanksgiving
Dinner.
Speaker: Harold McGee
Moderator: Bill Courtney

10/6 - The Future of R&D Outsourcing
Speakers:
Bruce Molino
Christopher Conway
Moderator: TBD

10/27 - Making Money out of Chemistry: The
Science in Paper Money
Speaker: Steve Carlo
Moderator: TBD

12/1 - How to Secure and Nurture a Vibrant
Chemistry Career in the 21st century
Speaker: Brian Fahie
Moderator: Bill Carroll

10/20 - The Art in Startups: Getting funded
Speaker: Joseph Steig NCIIA
Speaker: Steve Flaim
Moderator: Judith Giordan

11/3 - Boost and Lose Your Memory With
Chemistry.
Speaker: Todd Sacker
Moderator: Darren Griffin

12/8 - Welcoming the 2012: The Chemistry of
Fireworks
Speaker: Washington College, Chestertown,
Md., author of The Chemistry of Pyrotechnics,
Basic Principles and Theory, Chris Mocella

10/6 - The Future of R&D Outsourcing
Speakers:
Bruce Molino
Christopher Conway
Moderator: TBD

11/10 - Advancing Your Career as a Woman in
the Pharmaceutical/Chemical Industry
Speaker: Anabella Villalobos (Pfizer)
Moderator: Teri Quinn Gray, Research
Manager, DuPont Crop Protection.
teri-quinn.gray@dupont.com
Co-produced: ACS Diversity Office

12/15 - Chemicals & The Economy - Year End
Review and Outlook
Speaker: Paul Hodges
Moderator: Bill Carroll

U.S. TO HOST 2012 INTERNATIONAL CHEMISTRY OLYMPIAD
Dow Pledges \$2.5 Million in Collaboration with American Chemical Society

WASHINGTON & MIDLAND, Mich.--([BUSINESS WIRE](#))--For only the second time in its 44-year history, the [International Chemistry Olympiad \(ICHO\)](#) will be hosted in the U.S. from July 21-30, 2012. IChO provides chemistry students the opportunity to compete at the highest levels and establish networks that go beyond cultures and borders. As part of its ongoing commitment to science, technology, engineering and math (STEM) education, [The Dow Chemical Company](#) (NYSE: DOW) is investing \$2.5 million to bring the IChO to the U.S. for the first time since 1992. The [American Chemical Society](#) (ACS), a not-for-profit organization chartered by the U.S. Congress and the world's largest scientific society, will be the event host.



"As a global company with operations in more than 40 participating nations, Dow sees the International Chemistry Olympiad as a prime opportunity to help inspire the next generation of scientists," said **Andrew Liveris**, Dow Chairman and CEO. "With more than 95 percent of all manufactured products requiring some level of chemistry, highly educated and inspired scientists will help ensure a sustainable future for our company, our planet and our communities."

More than 70 nations will send teams of four students for the ten-day event of exams, laboratory work and scientific and cultural excursions based at the [University of Maryland, College Park](#), outside Washington, D.C. Competition will cover several areas of chemistry, including: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, physical chemistry and spectroscopy. Qualifying student teams are typically chosen through a series of regional and national Olympiads.

Dow's sponsorship of the IChO is part of the Company's participation in the [2011 International Year of Chemistry \(IYC\)](#). As a global partner of IYC, Dow is leveraging its science and technology expertise, sustainability focus and global network to increase public appreciation of chemistry, encourage interest in chemistry among young people and generate enthusiasm for the creative future of the science.

"ACS and Dow are committed to developing the next generation of chemists and chemical engineers," said ACS President **Nancy B. Jackson, Ph.D.** "Through the generosity of Dow, we have the opportunity to raise public appreciation for the essential role of chemistry in our lives as well as for the future innovators who will use chemistry to discover solutions to our world's most pressing challenges."

Developing international relationships and encouraging international cooperation and understanding is a key goal of the IChO. Participants have the opportunity to establish friendships and networks between like-minded people that cut across cultures and countries.

"As President of the 44th IChO, I am immensely thankful to Dow for this wonderful support, and I know that the teams coming from around the world will be equally thankful," said **Dr. Ahmed Zewail**. "The IChO is uniquely positioned for celebrating the beauty and cornucopia of chemistry with the world's best young minds. By intellectually bonding with fellow students from all over the world, they form networks for the future." Dr. Zewail, the 1999 Nobel Laureate in chemistry, is the Linus Pauling Professor of Chemistry at California Institute of Technology.

For more information about the International Chemistry Olympiad, visit www.icho2012.org.

For more information on ACS, visit www.acs.org.

For more information on Dow's participation in the International Chemistry Olympiad, visit www.dow.com/about/icho.

For more information on Dow's participation in the 2011 International Year of Chemistry, visit www.dow.com/iyc.

About The Dow Chemical Company

Dow (NYSE: DOW) combines the power of science and technology with the "Human Element" to passionately innovate what is essential to human progress. The Company connects chemistry and innovation with the principles of sustainability to help address many of the world's most challenging problems such as the need for clean water, renewable energy generation and conservation, and increasing agricultural productivity. Dow's diversified industry-leading portfolio of specialty chemical, advanced materials, agrosiences and plastics businesses delivers a broad range of technology-based products and solutions to customers in approximately 160 countries and in high growth sectors such as electronics, water, energy, coatings and agriculture. In 2010, Dow had annual sales of \$53.7 billion and employed approximately 50,000 people worldwide. The Company's more than 5,000 products are manufactured at 188 sites in 35 countries across the globe. References to "Dow" or the "Company" mean The Dow Chemical Company and its consolidated subsidiaries unless otherwise expressly noted. More information about Dow can be found at www.dow.com.

About the American Chemical Society


The [American Chemical Society](#) is a not-for-profit organization chartered by the U.S. Congress. With more than 163,000 members, ACS is the world's largest scientific society and a global leader in providing access to chemistry-related research through its multiple databases, peer-reviewed journals and scientific conferences. Its main offices are in Washington, D.C., and Columbus, Ohio.

YCC- YOUNGER CHEMIST LEADERSHIP DEVELOPMENT AWARD

From the ACS Website

The Leadership Development Workshop is designed to help young chemists develop into highly skilled leaders within the ACS and in their chosen profession. See details at <http://ycc.sites.acs.org/ldw.htm>. *Application Deadline: November 5th*

COLUMBUS SECTION ACS CALENDAR OF EVENTS

Year	Month	Date	Day	Location	Comments
2011	October	3	Mon		Noon: Deadline for reservations for October, 2011 Section meeting.
2011	October	11	Tue	CAS	Monthly Section Meeting with ACS President-Elect Bassam Shakshiri
2011	October	16-22	Sun-Sat		 National Chemistry Week (NCW). Stay tuned for information on Columbus Section activities and volunteer opportunities!
2011	October	22	Sat	Columbus Metropolitan Library Main Branch, 96 South Grant Avenue	NCW chemistry demonstrations for children of all ages. Volunteers are needed; contact Professor John Blaha (Jblaha@csc.edu) for more information.
2011	November	14	Mon	Berwick Party House	Speaker: Dr. Molly Brown , OSU Department of Pharmacy
2011	December	7	Wed	GFS Chemicals and The River Club	Joint meeting with the Central Ohio Section of AIChE, tour of GFS Chemicals, dinner at The River Club
2012	Feb-Mar	28-1	Tue-Thu	Blackwell Inn, OSU	Women in Science and Engineering (WISE) Symposium to Be Conducted at Battelle: "W2W – Women to Women – Connecting Global Science and Technology Leaders" See www.battelle.org/conferences/wise for details.
2012	March	11-15	Sun-Thu	Orlando	Pittcon Conference and Expo
2012	March	25-29	Sun-Thu	San Diego	243 rd ACS National Meeting and Exposition
2012	August	19-23	Sun-Thu	Philadelphia	244 th ACS National Meeting and Exposition
2013	April	7-11	Sun-Thu	New Orleans	245 th ACS National Meeting and Exposition
2013	September	8-12	Sun-Thu	Indianapolis	246 th ACS National Meeting and Exposition
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

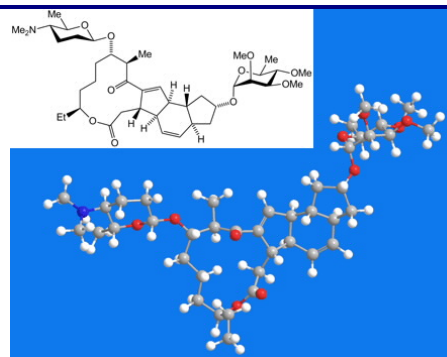
MOLECULE OF THE MONTH From the ACS Website

Spinosyn A

Spinosyn A, along with its almost identical isomer, spinosyn D, is a component of spinosad, a US Environmental Protection Agency-registered insecticide and Food and Drug Administration-registered topical treatment for head lice. The active ingredients are produced by the bacterium *Saccharopolyspora spinosa*. An enzyme in genes extracted from in this bacterium is the [first natural product shown to catalyze the Diels-Alder reaction](#), a step in spinosyn biosynthesis.



[More about this molecule](#) from CAS, the most authoritative and comprehensive source for chemical information



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.

SECTION E-MAIL ROUTING

Please send items for distribution to the Section e-mail list to **Maria Rosenthal** (mrosentha@cas.org). Maria will perform any necessary formatting then she will forward the message to **Robert Bird**, Electronic Communications Coordinator, for distribution. If you would like to be added to the e-mail distribution list, please contact Robert Bird (rbird@cas.org).

PLEASE SUPPORT OUR SPONSOR...

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