

# The Chemical Record

Volume 45, No. 3 April, 2003

Columbus Section of the American Chemical Society, Inc.

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**MEETING NOTICE**  
**COLUMBUS SECTION OF THE AMERICAN CHEMICAL SOCIETY, INC.**

Meeting # 785  
Thursday, April 24, 2003  
at The Palm Room, Franklin Park Conservatory  
1777 East Broad Street  
Columbus, OH 43203-2040  
614-645-TREE

OUTSTANDING COLLEGE CHEMISTRY JUNIOR AND SENIOR AWARDS

- 6:00 p.m.                      Heavy Reception. Hot and cold appetizers, desserts, and beverages. Attendees can take self-guided tour of the whole facility at this time.
- 7:15 p.m.                      **Program.** Awards Ceremony - Outstanding College Junior and Senior Chemistry Students
- 7:45 p.m.                      **Lecture.** DNA Fingerprinting and Careers in Forensic Science. Debie Lambourne, DNA Analyst, Columbus Police Crime Lab.
- Cost:                              \$ 20.00, Members and nonmembers. \$ 18.00 Retired, Emeritus and unemployed members. \$ 5.00 Students. ***Student Awardees are Guests of the Section but still need to make reservations.*** If you cannot attend the reception, the Program is free and open to all.
- Reservations:                      Please use the voice mail reservations service, by calling 614-447-3600 x 7047. Follow template for reservations\*. Alternatively, please send email to Anton Heyns: [aheyns@cas.org](mailto:aheyns@cas.org). To cancel a reservation please call Anton Heyns, 614-447-3600 x 3546. Reservations not cancelled by the deadline must be paid in full. Thank you.

**Reservations Deadline: Friday, April 18, 2003.**

**\*VOICE MAIL TEMPLATE:**

First and Last Name: please spell last name.  
Member category: member and nonmember, retired, emeritus, unemployed, student, awardee.  
Employer.  
Your phone number, in case we need to contact you.

***DIRECTIONS TO FRANKLIN PARK CONSERVATORY***

The Conservatory is located in Franklin Park at 1777 East Broad Street, Columbus, Ohio 43203.

**FIRST:**

- >From the North: take 71 South into Columbus to the Broad Street Exit.
- >From the South: take 71 North into Columbus to the Broad Street Exit.
- >From the East: take 70 West into Columbus to 71 North to the Broad Street Exit.
- >From the West: take 70 East into Columbus to 71 North to the Broad Street Exit.

**NEXT:** Turn left (east) onto Broad Street. Travel approximately one mile to Franklin Park. The Conservatory entrance is located at Conservatory Drive on the driver's right or south side of Broad Street.

Ample free parking is available at the Conservatory with convenient spaces reserved for our handicapped visitors near the main entrance.

## **APRIL EXECUTIVE COMMITTEE MEETING**

The Executive Committee will meet on **Thursday, April 10, 2003**, at 5:00 PM at Chemical Abstracts Service. All members are welcome to attend this meeting. Please note that this meeting is *two weeks* prior to the monthly Section meeting.

## **STATE SCIENCE DAY**

To: ACS Members and Scientists in the Community

From: Matthew Platz, State Science Day Coordinator

Hello!

The Columbus section of the American Chemical Society has been committed to chemical education at all levels of our community. Furthermore, it is imperative to our future well being to initiate and encourage scientific understanding in our youth.

In this endeavor, our section has participated in the annual State Science Day event since 1998 by establishing a special award for projects in chemistry and the chemical related sciences. Our continuing mission has been to reward those students who not only have studied the scientific method but also exhibit creative thought.

As you can imagine, the volume of students and projects to evaluate is rather large, and we need YOUR help!

On Saturday, May 3, 2003, the 55<sup>th</sup> Annual State Science Day will be held at The Jerome Schottenstein Center of the Ohio State University in Columbus. Refreshments for judges will be served from 7 to 8:30 am and there will be a short orientation around 8 am. Judging is tentatively scheduled from 9 am to 12 pm. If you have a scientific background and would enjoy a great opportunity to meet some future scientists, please email me at [platz.1@osu.edu](mailto:platz.1@osu.edu). You do NOT have to be an ACS member to volunteer; just an enthusiastic personality will do!

Stay tuned to the local ACS section web site <http://www.acscolumbus.org> and the The Ohio Academy of Science web site at <http://www.OHIOSCI.org/ssd.htm> for more details and thank you!

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**COLUMBUS TECHNICAL COUNCIL  
HIGH SCHOOL STUDENT AWARDS  
BANQUET**

By Jerry Boone

This will be the 23rd annual Science Students Award Program. The goal of this program is to recognize the achievements of high school science students and to encourage the students in science careers.

Awards are given to the students in three categories. 1) Each school nominates a student as the outstanding science senior for their school, 2) student research papers are submitted to the various professional societies for awards given by the societies and finally 3) one of the student research papers is judged as "Science Student of the Year".

The ACS will present an award for the outstanding chemistry-related research paper.

The speaker for the banquet will be Dr. Brad Moore of The Ohio State University, who is the Vice President for Research.

Each year, nominations from the member professional societies are submitted and one is chosen to be "Technical Person of the Year." The ACS has a person nominated for this award.

You are invited to come and meet the outstanding high school science students at the Columbus Technical Council Awards Banquet on April 30 at the Clintonville Women's Club. The Clintonville Women's Club is located at 3951 North High Street (just north of the Park of Roses). The banquet social hour begins at 6:00 PM and dinner is at 6:30 PM. The price of the dinner is \$15.00 with the menu choices of beef, lemon-flavored chicken, or vegetable lasagna.

Please e-mail your reservations to [ehlerta@SquareD.com](mailto:ehlerta@SquareD.com). Please include your menu choice. Reservations are due by April 15.

## **ACS COUNCIL - PLEASE SUPPORT FUNDING PETITION**

Contributed by the Columbus Section Councilors

The petition for Division and Local Section Funding passed Council by voice vote with greater than two thirds approval at the New Orleans National Meeting, on March 26, 2003. As mentioned in the March Chemical Record, this petition distributes 20% of the ACS member dues collected based on the relative number of memberships in 2000 with a corresponding split of 55% for Local Sections and 45% for Divisions. This amounts to 11% of the dues paid to the Society going to Local Sections and 9% of member dues paid to the Society going to Divisions.

The Divisional Activities Committee, Local Section Activities Committee, Committee on Budget and Finance and Presidential and Board Task Forces all contributed to this petition. The foundation of the petition is that both Divisions and Local Sections face financial hardship, Divisions are funded at a lower level than Local Sections per capita and increased support for Divisions must not come at the expense of Local Sections.

A temporary annual assessment of \$2.00 in 2004, \$4.00 in 2005, \$6.00 in 2006 and \$8 in 2007 will be made with annual review by the ACS Board. The assessment will be prorated for Retired members and graduate students. After full implementation, the income available for Local Sections and Divisions will be about \$950,000/year.

The fully implemented funding increase would go to Local Sections in 2004 and a phase-in implementation increase for Divisions would be over the years 2004-2007. Council approved the distribution formula for Local Section and Division funding after approving the petition. The increase in Local Section funding will be used for innovative projects to fund Sections with special financial needs, improve programming and new Section projects. The distribution formula for Divisions involves money for meetings and for innovative projects.

Detailed information can be found at the Task Force webpage:

<http://web.umd.edu/~fblum/acs/bylaws.info.html>

Since funding for Local Sections and Divisions is a Constitution and Bylaws change, membership must also approve this petition. About May 1st. or sometime this spring members will be asked to vote. The Columbus Section Councilors urge you to support this petition.

If you have questions, please see us at the April meeting or email.

Anne B. McCoy  
Physical Chemistry Division Executive Committee  
[mccoy@chemistry.ohio-state.edu](mailto:mccoy@chemistry.ohio-state.edu)

Maria Rosenthal,  
Minority Affairs Committee  
[mrosenthal@cas.org](mailto:mrosenthal@cas.org)

Don Songstad  
Divisional Activities Committee  
Task Force Local Section and Division Collaboration  
[dsongstad@cas.org](mailto:dsongstad@cas.org)

## **PATTERSON-CRANE AWARD UPDATE**

The Dayton and Columbus ACS Sections are pleased to announce the Recipient of the 2003 Patterson-Crane Award:

**Robert J. Massie, Director, CAS**

The Award will be presented at the May Meeting, on Wednesday, May 14, 2003 at Chemical Abstracts Service.

Award address: "Opening the New Research Vista"

Details on Dinner, Reservations, and Topic will appear in the May Issue of the *Chemical Record*.

## **CHEMISTS CELEBRATE EARTH DAY**

by Maria Rosenthal

### ***ChemisTREE!***

The long, cold, snowy winter is over! Celebrate Spring and join colleagues on Earth Day by planting a tree or many trees, on Tuesday, April 22, 2003. This is called a "Unifying Event" and is being sponsored by ACS as an outreach community activity. Feel free to invite friends and neighbors to participate.

### ***POETRY CONTEST FOR STUDENTS K-12***

As part of Earth Day celebration, the ACS is sponsoring a poetry contest. Students 3-12 are invited to write a poem in haiku format, related to the chemistry of trees. Students in grades K-2 may use any poetic style.

Categories: K-2nd. grade; 3rd-5th grade; 6th-8th grade; and 9th-12th grade.  
Possible topics: Converting the sun's energy  
Purification of water and air  
Color changes with the seasons  
Production of lumber for building  
Attraction/repulsion of insects  
Production of fruits/nuts  
Germination of a seed  
Transpiration in leaves

National Prizes:

First Place in each category: Windbreaker  
Honorable Mention category: Ball

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Please Send entries, typed on 4" x 5" index cards to:  
ACS Columbus Section, Earth Day Contest  
P.O. Box 82181  
Columbus, OH 43202

On the back, please include: Name of student, jacket size, grade, complete home address, phone number, school, and Teacher's name. Entries must be received by: May 2, 2003.

### **HANDS-ON ACTIVITIES FOR ELEMENTARY GRADE STUDENTS**

- Rubbing Plants\* - Activity that uses the pigments found in plants to draw pictures, and then examines how the pigments react to weak acids and bases.
- It Isn't Easy Being Green\* - Activity that demonstrates that new plants need light to make chlorophyll.
- Celery Soaks It Up\* - Activity that shows how plants absorb nutrients and toxins from the environment.
- Acid Rain\* - Activity that demonstrates the effects of acid rain upon plant germination.
- Making Recycled Paper\* - Activity that uses old newsprint to make recycled paper.

For complete details and more activities for Earth Day, please access: [www.chemistry.org](http://www.chemistry.org), then go to: Green Chemistry Institute by clicking on the "choose a page" button.

## **CHEMAGINATION CHEMISTRY ESSAY AND POSTER CONTEST**

Contributed by ACS

Interested in working with students? Hoping to involve more teachers in section activities? We are seeking people with connections to high school chemistry teachers and/or an interest in motivating high school students in the field of chemistry to be part of a Chemagination committee and to run a contest in the area.

Chemagination is a chemistry essay and poster contest for students in grades 9-12. Students look 25 years into the future and write an article that they believe could appear in "ChemMatters" magazine about an innovation or breakthrough in the field of chemistry that they think will be important in the lives of teenagers at that time. Student articles focus in one of four categories: Biotechnology, Medicine/Healthcare, New Materials or Transportation/Environment.

For information about the contest, visit <http://chemistry.org/chemagination>, call 1-800-227-5558 ext. 4458 or email [chemagination@acs.org](mailto:chemagination@acs.org) To volunteer to help us coordinate a contest in this area, contact Maria Rosenthal, [mrosentha@cas.org](mailto:mrosentha@cas.org)

## **2003 CHEMCOM TEACHER TRAINING WORKSHOPS**

Contributed by ACS

ACS sponsors one-week, residential summer workshops for teachers using or intending to use ChemCom. Apply today for one of this summer's workshops, or pass this information along to a chemistry teacher. In each workshop, experienced ChemCom Teacher Leaders guide participants through the ChemCom text and provide hands-on experience with many of the laboratories, modeling exercises, and culminating activities. Participants are also introduced to the many ancillaries new to the most recent edition of ChemCom. Teachers using previous editions of ChemCom, or any other textbook, who intend to use ChemCom in the future, are also invited to apply. The locations and dates of the 2003 weeklong workshops are listed below.

- June 8-13, 2003      Dallas, TX
- July 6-11, 2003      Lake Forest, IL
- July 20-25, 2003    Lawrenceville, NJ
- August 3-8, 2003    Malibu, CA

ACS coordinates and pays for lodging, meals, and all workshop expenses during the workshop. Attendees arrange and pay for their own travel to and from the workshop site and pay a \$50 registration fee. Each workshop begins on a Sunday afternoon and is completed at noon on Friday.

In addition to the workshops listed above, this summer ACS will offer several three-day, non-residential workshops. These workshops will take place at locations around the country during June, July, and August. Participants will have many of the same experiences as in the weeklong workshops and will commute to the site each day. A \$50 registration fee is required and lunch is provided daily. If your organization is interested in hosting a three-day ChemCom workshop, please call 202-872-6383 or email [chemcom@acs.org](mailto:chemcom@acs.org). The following three-day ChemCom workshops are currently scheduled:

- June 2-4, 2003      Jacksonville, FL
- June 23-25, 2003    Chatsworth, CA

The latest workshop information and workshop applications are available online at <http://chemistry.org/chemcom/workshops.html>

## **COMPUTER VIRUS ALERTS**

Contributed by ACS

You can always check out any virus warning you receive by going to Symantec (the distributors of Norton Antivirus) and checking out their Web site (<http://www.symantec.com/>). They keep lists of the various virus messages real and hoax.

It's always recommended that you check out any message that asks you to delete a file on your computer, as these often ask you to delete legitimate files in your operating system.

Background information on this particular hoax is available at  
<http://securityresponse.symantec.com/avcenter/venc/data/jdbgmgr.exe.file.hoax.html>

If you have already deleted that particular file off of your computer, the above link will also provide information on how you can locate a new copy of the Java debugger program (which is the executable the hoax asked you to delete) for your computer.

## **LEGISLATIVE ACTION NETWORK**

Contributed by ACS

Are you concerned about federally supported R&D? Are you concerned about the future of K-12 science education? If yes, then JOIN the ACS's Legislative Action Network (LAN) and let your concerns be heard.

The LAN gives ACS members an easy, effective way of providing sound, nonpartisan advice to elected officials. Participating LAN members will receive approximately six e-mail alerts per year prior to key congressional decisions. These alerts explore the issue's background, the potential effect it might have on the scientific enterprise, and the position ACS holds. By clicking on a link, members have direct access to the ACS Legislative Action Center where they can review action alerts, edit sample letters, and send them to their legislators within minutes. In addition, monthly e-mail news summaries keep members up-to-date on decisions being made in both the Congress and the White House.

You can sign up for the LAN online at [www.chemistry.org/government/action](http://www.chemistry.org/government/action). If you have any questions regarding the LAN, please contact Brad Smith in the ACS Office of Legislative and Government Affairs at 1-800-227-5558, extension 4479.

## **MEMBER-GET-A-MEMBER SWEEPSTAKES!**

Contributed by ACS

This year's Member-Get-A-Member drive is a Sweepstakes campaign, with the top prize being an all expense paid trip the Spring 2004 meeting in Anaheim, the Fall meeting in Philadelphia, or a vacation to Washington, DC. It's valued at over \$1,500!

Each new member you recruit will give you one chance at this valuable prize. So, the more members you recruit, the better your odds of winning.

Plus, your efforts will earn a BONUS for your Local Section--MOLE DOLLARS! ACS "money" you can use to buy prizes and recognition awards for your members.

MGM recruitment kits will be available AFTER the national meeting in March. All Local Sections will receive a mailing explaining the program and enabling them to request Member-Get-A-Member kits.

## **PATENTS — WHAT EVERY CHEMIST SHOULD KNOW**

Contributed by ACS

A new patent is granted every 3 minutes – 155,000 were granted by the U.S. government last year. The chemical sciences account for a significant portion of those patents. And for people in the chemical sciences, knowing how to register a patent or protect a patent is an important aspect of their professional skills.

To help chemists master the basics of intellectual property protection, the ACS Committee on Patents and Related Matters has released the printed version of the recently updated booklet, *What Every Chemist Should Know about Patents*. The booklet introduces important topics such as the basis for U.S. patent rights, an overview of the U.S. patenting process, how to obtain a patent, and how to extend patent protection to other countries.

Copies are available through the ACS Office of Society Services by calling 800-227-5558. The first copy is free, and additional copies are \$5 per copy. Bulk orders of more than 25 copies are \$3 each. The booklet is also available on the ACS Office of Legislative & Government Affairs Web site at

<http://www.chemistry.org/government/patentprimer.pdf>.

**2003 COLUMBUS SECTION ACS CALENDAR OF EVENTS**

*Compiled by Maria Rosenthal*

**April**

- Thur. 10 Executive Committee Meeting at CAS  
Thur. 24 Meeting - College Junior and Senior Awards at Franklin Park  
Conservatory (please see details on Page 2.)  
  
Thr-Fri  
24-25 Chemistry Olympiad - High School Students National Test  
Wed. 30 Columbus Technical Council Banquet at Clintonville Women's Club

**May**

- Sat. 3 State Science Day - OSU Schottenstein Center  
Wed. 14 Patterson-Crane Award – Chemical Abstracts Service

**October**

- TBA ACS President-Elect visits the Columbus Section  
19-25 National Chemistry Week

**December**

- TBA Joint meeting with the Columbus Chapter of the American Institute of  
Chemical Engineers

**OFFICER ROSTER UPDATE**

The following officers have been named in addition to those in the roster that appeared in the March *Chemical Record*:

Nominating Committee Chair  
William B. Catus  
Chemical Abstracts  
wcatus@cas.org

Project Seed Contact  
David Hart  
OSU Chemistry Department  
hart@chemistry.ohio-state.edu

College Awards  
Jens Hemmingsen  
Capital University  
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## The Chemical Record

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*The Chemical Record*, official newsletter of the Columbus Section of the American Chemical Society, is published monthly, September-December and February-May (eight issues per year.) through May, except for January. Opinions expressed by editors or contributors do not necessarily represent the official position of the Columbus Section. 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](mailto:george.greene@abbott.com). Electronic mail contributions should be in plain-text messages or in Word 97 (or earlier release) file attachments. **Please note that the deadline for submissions for the May Chemical Record is FRIDAY, April 11, 2003.** Thank you very much!

### CHANGE OF ADDRESS

Changes in postal or e-mail address should be reported to the Membership Chair, George Noethlich, 2740 Bella Via Avenue, Columbus OH 43231-2305, e-mail [gnoethlich@wideopenwest.com](mailto:gnoethlich@wideopenwest.com). George will forward the change-of-address information to ACS Headquarters.

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**THE CHEMICAL RECORD**  
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