



The Chemical Record

Volume 48, Number 6 - October, 2006

Columbus Section of the American Chemical Society, Inc.

George W. Greene, Editor -- Tom Weeks, Section Chair

www.acscolumbus.org -- chemicalrecord@yahoo.com

The American Chemical Society

Improving people's lives through the transforming power of chemistry.

IN THIS ISSUE...

ABOUT THE TOPIC.....	2
ABOUT THE SPEAKER.....	2
COLUMBUS SECTION HONORS FIFTY-YEAR MEMBERS.....	3
NATIONAL CHEMISTRY WEEK.....	3
COLUMBUS SECTION FINALIST FOR COMMITTEE ON CHEMISTRY AND PUBLIC AFFAIRS.....	4
2008 CENTRAL REGIONAL ACS MEETING COMING TO COLUMBUS.....	4
THE COLUMBUS SECTION ACS UNDERGRADUATE COLLEGE STUDENT TRAVEL AWARD 2006.....	4
CALL FOR NOMINATIONS: THE PATTERSON-CRANE AWARD.....	4
2007 SLATE OF CANDIDATES.....	7
HELP WANTED.....	7
WELCOME NEW MEMBERS!.....	8
PLEASE SUPPORT OUR SPONSOR.....	8
COLUMBUS SECTION ACS CALENDAR OF EVENTS.....	9
ABOUT THE CHEMICAL RECORD.....	10
CHANGE OF ADDRESS.....	10
ADVERTISING RATES.....	10
SECTION E-MAIL ROUTING.....	10

MEETING NOTICE

COLUMBUS SECTION OF THE AMERICAN CHEMICAL SOCIETY, INC.

<http://www.acscolumbus.org>

Thursday, Oct. 26, 2006
Chemical Abstracts Service
2540 Olentangy River Road
Columbus, Ohio 43202

Dr. Catherine Hunt

PRESIDENT-ELECT OF THE AMERICAN CHEMICAL SOCIETY

Reigniting Our Commitment to Science and Technology: *Education, Collaboration, Innovation*

We thank CAS for both sponsoring the reception and subsidizing student dinners

4:30 – 5:30 PM	Executive Committee Meeting – open to all members
5:30 – 6:30 PM	Reception: Hot and Cold Hors d'Oeuvres, Beverages
6:30 – 7:30 PM	Dinner
7:40 PM	Program: <ul style="list-style-type: none">• Introduction of our 50-Year Members• Talk by Dr. Katie Hunt <i>If you cannot attend the dinner, you are welcome to attend the program.</i>



The American Chemical Society: Improving people's lives through the transforming power of chemistry.

Menu	Greek Salad with assorted dressings. Entree selections: (<u>pick one</u>) <ul style="list-style-type: none">• Mediterranean chicken• Marinated London Broil• Vegetable Lasagna Wild Rice. Carrots, Broccoli, Cauliflower. Assorted desserts, coffee, decaf, soda, iced tea.
Cost	Members and nonmembers \$20.00 Retired and unemployed members \$18.00. Students \$5.00 Payment will be collected at the door; cash and checks accepted. <i>There is no charge for individuals who attend only the program, but you will need to check in with CAS Security.</i>
Reservations	Please use the voicemail reservations service by calling 614-447-3600 extension 7047. Follow the template for reservations*. Alternatively, please send e-mail to The Columbus Section at the following e-address: acscols@cas.org
*Voicemail/e-mail Reservations Template	<ul style="list-style-type: none">• First and last name: please spell last name.• Membership category: member, retired, emeritus, unemployed, student, other.• Employer.• Menu selection: Chicken, beef, or vegetarian.• Your phone number, in case we need to contact you.
Reservations <u>Deadline</u>	Noon Monday, October 23, 2006. Your reservation is a dinner order that must be paid. Please help us to control costs by honoring your order.
Program Contact	Steve Watkins E-mail: swatkins@cas.org Phone: 614-447-3600 ext. 3058
Directions	<ul style="list-style-type: none">• Take route 315 to Lane Ave. exit.• Go E to Olentangy River Rd.• Turn L (north).• CAS is just past Fawcett Center.• Park in west lot and enter building A through north (main) entrance.• Please sign-in at ACS Hospitality table.

About the Topic

Reigniting our Commitment to Science and Technology

Katie's talk will focus on three central themes:

1. **Education:** enrolling legislators ["Bringing Chemistry to Congress"] and engaging students,
2. **Collaboration:** building strong, working partnerships across the US and around the world,
3. **Innovation:** recreating our companies, our universities and ourselves.

About the Speaker

Education and Employment

Dr. Catherine "Katie" T. Hunt is Leader, Technology Partnerships for Rohm and Haas Company, where she builds collaborations between the company, academia, government agencies, and private foundations. Since creating the unit in 2002, she has helped secure multi-million dollar grants from federal agencies to improve collaboration across all sectors of the chemical enterprise. In 2002, Dr. Hunt acted as a member of the steering committee for the "Nanomaterials and the Chemical Industry Roadmap Workshop", a collaborative effort between the Department of Energy Efficiency and Renewable Energy (DOE/EERE), the National Nanotechnology



The American Chemical Society: Improving people's lives through the transforming power of chemistry.

Initiative (NNI), and the Chemical Industry Vision 2020 Technology Partnership. As a result of this workshop, Dr. Hunt co-authored the *Chemical Industry R&D Roadmap for Nanomaterials by Design: From Fundamentals to Function*.

Dr. Hunt began her career in industry with Rohm and Haas Company in 1984 after completing an NIH Postdoctoral Fellowship at Yale University. Since then, Dr. Hunt has held a variety of positions at every level of the company from Senior Scientist in Analytical Research (1984) to Philadelphia Plant Laboratory Manager (1991) to Director of Worldwide Analytical and Computational Competency Network and Technology Development (1998). She was named to her current position in 2002.

Dr. Hunt holds an A.B. in Chemistry (*Cum Laude*) from Smith College, Northampton, MA, and a Ph.D. in Chemistry from the University of California, Davis. She has authored 13 papers, one book chapter on Metallothionein.

Professional Organization Leadership

Dr. Hunt is the 2006 President-Elect for the American Chemical Society. She will serve as President in 2007 and as a member of the board of directors from 2006-2008. She has been a member of the society since 1977. She is also an active member of the American Association for the Advancement of Science, the International Union on Pure and Applied Chemistry, and Sigma Xi. Dr. Hunt serves on the Board of Directors of the Council for Chemistry Research and was a participant in the Vision 2020 Industry Group.

Over her professional career Dr. Hunt has received many awards including being a member of the Women in Science Delegation to Cuba (2001); Best Paper Award from INDA, Association of Nonwoven Fabrics Industry (1997); Rohm and Haas Company, S.J. Talucci Quality Award (1996); and NIH Postdoctoral Fellowship (1982-1984)

Columbus Section Honors Fifty-Year Members

By Wendy Reichenbach

During the October 26 meeting, the Section will join Dr. Catherine Hunt, President-Elect of ACS, in recognizing the following members for fifty years of service to the American Chemical Society. Please join us in congratulating them on reaching this significant milestone.

Mr. Robert High
Dr. Stephen Molnar

Dr. William Nutter
Ms. Barbara Ruppel

Mr. Francis Sliemers
Dr. Andrew Wojcicki

Upcoming Events

October 21, Saturday: Chemistry demonstrations at the Main Branch of the Columbus Metropolitan Library as part of our observance of National Chemistry Week. **Volunteers are DESPERATELY needed for this event; please see details elsewhere in this edition of The Chemical Record.**

November 14, Tuesday: Joint meeting with AIChE at Ashland, Inc. *Acetoacetates: Old Chemistries, New Applications* by Tom Moy, PhD. The meeting will include a tour of the thermoset polymers processing pilot plant and a student poster session.



National Chemistry Week

Volunteers Needed for National Chemistry Week Chemistry Demonstrations
Saturday, October 21, 2006

National Chemistry Week is being celebrated this year during the week of October 22 through 28. This is the American Chemical Society's annual effort at public education on the benefits of science, particularly chemistry, on our daily lives. This year's theme is *Your*



The American Chemical Society: Improving people's lives through the transforming power of chemistry.

Home—It's All Built on Chemistry focuses on science (with emphasis on chemistry/chemical principles or concepts shown) in our homes. Volunteers are needed to help guide the public in performing chemistry demonstrations on Saturday, October 21, at the Columbus Metropolitan Library, Main Branch, 96 South Grant Avenue. The experiments are simple (acid-base reactions, making "slime", generating carbon dioxide from baking soda and acetic acid, etc.) *COSI on Wheels* and volunteers from the Columbus Section of the American Chemical Society will provide all of the chemicals, setup, and supplies, and we will show you what to do. We are extremely grateful to our friends at GFS Chemicals for sponsoring this important educational event.

This is a terrific way to introduce kids (and adults) to chemistry and show them that science is indeed FUN! If you are not comfortable performing demonstrations we also need volunteers for "crowd control" (greeting guests, making sure everyone has safety glasses, etc.)

Shifts are from 10-12, 12-2, and 2-4. If you would like to sign up for a shift (or two), please contact Professor John Blaha at 614.287.5930 or jblaha@cscce.edu

Columbus Section Finalist for Committee on Chemistry and Public Affairs

By Don Songstad

ACS PRESIDENT'S AWARD FOR LOCAL SECTION GOVERNMENT AFFAIRS

Congratulations to Manfred (Manny) Luttinger, Chair of the State and Local Government Affairs Committee. Ohio Sections met to discuss support for advancing science education in Ohio. Further meetings were held with some involving Dr. Dutta, Chair Chemistry Dept. OSU, and with ACS Executive Director, Madeleine Jacobs.

A poster was presented by Don Songstad, Columbus Section Councilor, at the 8th Annual ChemLuminary Awards at the ACS National Meeting in San Francisco regarding this award. Columbus was a contender with the Central Texas and Cincinnati Sections. The Cincinnati Section won.

2008 Central Regional ACS Meeting Coming to Columbus

The 2008 meeting of the Central Region of the American Chemical Society will be held in Columbus, sponsored by Ohio State University and the Columbus Section of ACS. Contact **Jimmy Cowan**, cowan@chemistry.ohio-state.edu, if you would like to help organize the meeting.

The Columbus Section ACS Undergraduate College Student Travel Award 2006

The Columbus Section ACS would like to encourage undergraduate students to attend and participate in Regional and National ACS meetings. To support this endeavor, the Section has established a travel award program. Details and an application form can be found on the Section website, acsolumbus.org.

Call for Nominations: The Patterson-Crane Award

Do you have a colleague whom you feel should be acknowledged for their work in chemical information? The Dayton and Columbus Sections of the American Chemical Society, which sponsor the Patterson-Crane Award, would like to hear from you. The biennial award consists of a \$2,000 honorarium and a personalized commendation and is to be presented in the Spring of 2007 at an awards dinner to be held in Columbus, Ohio. The recipient is expected to give an address at the time of the award presentation.



Award Criteria

Nominees, who need not hold ACS membership, should demonstrate outstanding achievement in the field of chemical information science. Contributions of international significance may relate to:

- Design, development, production, or management of chemical information systems or services.
- Electronic access to and retrieval of chemical information; critically evaluated data compilations.
- Information technology applications in chemistry or other significant chemical documentation, including production of original works, editorial work, or chemical library work.

Nominations for the award must be in writing and may be sent either hard copy or via email.

They should discuss the nominee's contributions to the field as well as an evaluation of accomplishments. Materials supporting the nomination should include a biography and bibliography of publications and presentations. Seconding letters are required and may also be sent either hard copy or via email.

Send the nomination materials to Dr. Theresa Huston, Chair of the Patterson-Crane Award Committee, (thuston@cas.org or CAS, P.O. Box 3012, Columbus OH 43210) for receipt by 31 January 2007. To receive more information about this award, contact Dr. Huston (614-447-3600, ext. 3354 or thuston@cas.org).

Nominations will be judged by a seven-member selection committee consisting of Dayton and Columbus Section members as well as the Chair of the American Chemical Society's Division of Chemical Information.

The Patterson-Crane Award is international in scope and given in honor of two outstanding members of the Sections: Austin M. Patterson (1876–1956) and E.J. Crane (1889–1966), who were both Editors of Chemical Abstracts Service.

**COUNCILORS' REPORT: AMERICAN CHEMICAL SOCIETY
232nd ACS NATIONAL MEETING -- SAN FRANCISCO, CA
SEPTEMBER 10-14, 2006**

COLUMBUS SECTION COUNCILORS ACTIVITIES:

Maria Rosenthal

- 9/8 Coordination of Committees Working Group (Recommend Advisory to the Board)
- 9/9 International Activities Committee (IAC) as liaison from CMA.
- 9/10 Interactions Subcommittee of Committee on Minority Affairs (CMA). ACS Scholars and Diversity Networking Receptions, District II Caucus, Welcome to International Attendees.
- 9/11 Symposium honoring Percy Julian. CMA Events, Tech. Sessions, ACS Board-Staff Reception.
- 9/12 CMA Executive and Open Meeting. ACS Policy Workshop, Local Sections PR, ChemLuminary Awards, Tech. Sessions
- 9/13 Council Meeting, Tech Sessions.

Don Songstad

- 9/9 Divisional Activities Committee (DAC) meeting
- 9/10 Division Chairs' and Program Chair's luncheon, DAC meeting, District II Caucus, CINF reception
- 9/11 Chemistry and Law sessions, National Science Foundation (NSF) reception
Recovery from and Prevention of Natural Disaster sessions, Inorganic sessions
ACS Board Staff reception



The American Chemical Society: Improving people's lives through the transforming power of chemistry.

- 9/12 Committee on Minority Affairs (DAC liaison), Local Section Activities meeting
CINF Herman Skolnik Award reception.
Presented poster for Columbus Section as finalist for ACS President's
Award for Local Section Government Affairs, ChemLuminary Awards
- 9/13 Council meeting

Theresa Huston

- 9/10 Surface Chemistry Symposium in Honor of Gabor Somorjai, District II Caucus, CINF Reception
- 9/11 Surface Chemistry Symposium, Exposition, ACS Board Staff reception
- 9/12 Surface Chemistry Symposium, CINF Herman Skolnik Award reception
- 9/13 Council Meeting, Physical Chemistry sessions
- 9/14 Physical Chemistry sessions

ACTIONS OF THE COUNCIL

Election Results

- For the Committee on Committees for the 2007-2009 term. The Council elected H. N. Cheng, Milagros Delgado, Neil D. Jespersen, Les W. McQuire and Charles F. Rowell.
- For the Council Policy Committee for the 2007-2009 term. The Council elected Martha L. Casey, M. Elizabeth Derrick, Thomas R. Gilbert and Joe W. Hightower.
- For the Committee on Nominations and Elections the Council elected Merle I. Eiss, Barbara A. Sawrey, Sharon P. Shoemaker, Herbert B. Silber and Ellen B. Stechel.

Petitions for Consideration

- The Council received three petitions for consideration: Petition on Election Procedures 2006; Petition on Multi-Year Dues; and a Petition on Rules for Nominating Members of Nominations and Elections for National Offices. Action is expected on these petitions at the 2007 spring national meeting in Chicago.

Governance Review

- The Council received a report from the Council Policy Committee on activities related to Governance Review. Councilors received a listing of 23 ideas organized into the three categories as prioritized jointly by the Board and CPC. Please contact a Councilor for further information.

Registration Report and 2007 National Meeting Registration Fee

- As of September 12, 2006, the ACS fall national meeting had 15,603 registrants. Regular attendees 9,373; Students 3,350; Guests 510; Exhibit Only 504; and Exhibitors 1,666. The Committee on Meetings and Expositions reported that national meeting financial targets continue to be met, and therefore recommended to the Board of Directors that there be no increase in national meeting registration fees for 2007.

The Society's Membership

- The Committee on Membership Affairs reported that through August 2006, a record 12,137 new applicants have been added to the Society's membership, and that the Member-Get-A-Member campaign is well on its way to the goal of 1,000 new members in this year.

Special Discussion Item

- The discussion focused on ensuring the American Chemical Society's future by engaging younger members throughout the Society's volunteer leadership.

Sampling of Ideas:

Engage with, talk to, sit with younger members at LS meetings.

Involve younger members in the State and Local Govt. Affairs Committee.

ACS Board should encourage senior management at companies to recognize and promote active participation in ACS by members.

Encourage members to tailor activity in ACS programs that fit their personal circumstances, e.g., parents and science in schools.

Experienced members should strive to be better coaches and mentors.

College Professors are essential in engaging young students in ACS "careers", be THE role model for students.

Increase number of online meetings.



The American Chemical Society: Improving people's lives through the transforming power of chemistry.

Encourage and ask, ask, ask young people to be active in ACS, then be ready to provide support and be a part of their projects. Do it by example, be THE BEST MEMBER you can be.

- **Review of the Chemical Professional's Code of Conduct**

The Committee on Economic and Professional Affairs submitted its latest version of the Chemical Professional's Code of Conduct for Council review. This document offers guidance for Society members in various professional dealings, especially those involving conflicts of interest.

ACTIONS OF THE BOARD OF DIRECTORS

The Society's Mission

- On the recommendation of the Committee on Planning, the Board voted to adopt a revised ACS mission statement: *"To advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people."*

2007 Slate of Candidates

We are extremely grateful to the following members who have agreed to run for Section offices in the election to be held this fall:

Secretary	Treasurer-Elect	Chair-Elect	Councilor/Alternate Councilor
Geoff Babbitt Marta Pazos	Rosemary Loza Charles M. Lewis	Ron Mitchum Robert Swann	Jimmy Cowan John Shaw Donald Songstad Jeff Trent

The offices are described as follows:

Chair-Elect -- The Chair-Elect succeeds the Chair after one year of serving in this position. Main responsibilities are Program and Planning. Attendance at Leadership Training provided by ACS is required.

Secretary -- One-year position. The main function is to maintain records, record minutes of Executive Committee meetings, and assist the Chair on agenda items.

Treasurer-Elect -- The Treasurer-Elect succeeds the Treasurer after serving one year in this position. Main responsibilities are to assist the Treasurer and become familiar with procedures.

Councilor -- The Councilors represent the Section's membership before ACS at National meetings and on Governance-related functions as required throughout the year. The Section has three Councilors who serve staggered 3-year terms to ensure continuity.

We are also very grateful to Andrea Arnett, Nominating Committee Chair, for her efforts in putting together a terrific slate of nominees. Ballots will be sent out in a separate mailing.

Help Wanted

The Department of Chemistry and Biochemistry at Denison University has an opening for a part-time temporary position in the spring of 2007 (January to mid-May 2007) to teach one section of General Chemistry II with an associated laboratory. A Ph.D. is preferred but candidates nearing the end of their doctoral studies will be considered.

Please contact Jordan Fantini, Chair, Department of Chemistry and Biochemistry, Denison University, Granville, OH 43023 for more information. Applicants will be considered on a rolling basis (starting September 15) until the position is filled. Contact by email at fantinij@denison.edu or telephone at 740-587-6491.



The American Chemical Society: Improving people's lives through the transforming power of chemistry.

Welcome New Members!
Compiled by George Noethlich, Membership Chair

Please join us in welcoming the following new members who have joined the Section recently:

M SABER AHMED
DEJAN D ANDJELKOVIC
ANDREA A ARNETT
PHYLLIS ARTHASERY
CARLITO G BANGCUYO
HASSAN BORTEH
DENNIS CHUNG
TERESA M DRUG
EARL H HARRISON
AXEL KLAUCK-JACOBS
MICHAEL JOHNSON

DANIEL KLEIN
IAN H KROUSE
ANDREW MAHER
TERRY JOSEPH MAZANEC
MARK A NIGHMAN
JONATHAN ROBERT PARQUETTE
ELENA M PIGOS
JOHN M PIGOS
WEIHONG QIU
BETH A REED

BISWAJIT SAHA
ASHLEY S SCOTT
DENISE M SMITH
JOHN V SPIRIG
JAMES P STAMBULI
JASON H STENGEL
JENNIFER S THOMAS
TAYLOR C WALLACE
JEANNA D WALOCK
YUAN WEN

New members are invited to attend their first Section meeting dinner free of charge.

Please Support Our Sponsor...

**HOGARTH
CHEMICAL
CONSULTING**

SPECIALIZING IN:
Training
Research & Development
Laboratory Design & Safety



Lewis Hogarth, Ph.D.
614.268.8534
Fax 603.308.8133
email: westwood@infinet.com

**HOGARTH
CHEMICAL
CONSULTING**

SPECIALIZING IN:

Training
Research & Development
Laboratory Design & Safety

Lewis Hogarth, Ph.D.


Voice 614.268.8534
FAX 603.308.8133
email: westwood@infinet.com



The American Chemical Society: Improving people's lives through the transforming power of chemistry.

Columbus Section ACS Calendar of Events

Compiled by Maria Rosenthal, Jodie Harper, Tom Weeks, and George Greene

2006	October	15	Sun	Columbus	Deadline for submission of applications for Columbus Section College Undergraduate Student Travel Awards. See details elsewhere in this issue of <i>The Chemical Record</i> .
2006	October	20	Friday	Columbus	Deadline for submission of material for November, 2006 edition of <i>The Chemical Record</i> . Please submit them via postal or electronic mail to George Greene, PO Box 360941, Columbus, Ohio 43236-0941, george.greene@abbott.com , or chemicalrecord@yahoo.com .
2006	October	21	Sat	Main Branch, Columbus Metropolitan Library, 96 S. Grant Avenue	10:00 AM – 4:00 PM. Chemistry Demonstrations for children with <i>COSI on Wheels</i> . Volunteers are needed to work two-hour shifts and we will show you what to do. Please contact John Blaha, Jblaha@csc.edu for details.
2006	October	22-28	Sun – Sat	Here, There, Everywhere!	 National Chemistry Week. <i>Your Home: It's All Built on Chemistry.</i>
2006	October	26	Thu	Chemical Abstracts Service	Section meeting with Dr. Catherine Hunt, President-Elect of the American Chemical Society
2006	November	14	Tue	Ashland, Inc., Dublin, OH	Section Meeting with travel awards for college students
2006	December	TBA	TBA	TBA	Joint meeting with Columbus Section of AIChE
2007	March	25-29	Sun – Thu	Chicago	233 rd ACS National Meeting.
2007	May	5	Sat	OSU	State Science Day 2007
2007	August	19-23	Sun – Thu	Boston	234 th ACS National Meeting.
2007	October	21-27	Sun – Sat	Here, There, Everywhere!	National Chemistry Week. <i>The Many Faces of Chemistry</i>
2008	June	TBA	TBA	Columbus	Central Regional Section ACS Meeting, sponsored by Columbus Section and The Ohio State University (Contact: Jimmy Cowan, cowan@chemistry.ohio-state.edu)
2008	October	19-25	Sat – Sun	Here, There, Everywhere!	National Chemistry Week. <i>Chemistry and Sports.</i>



The Chemical Record
Columbus Section ACS
Volume 48, Number 6 – October, 2006
Page 10



The American Chemical Society: Improving people's lives through the transforming power of chemistry.

About ACS

The American Chemical Society is a self-governed individual membership organization that comprises more than 158,000 members at all degree levels and in all fields of chemistry. The organization provides a broad range of opportunities for peer interaction and career development, regardless of professional or scientific interests. The programs and activities conducted by ACS today are the products of a tradition of excellence in meeting member needs that dates from the Society's founding in 1876.

About *The Chemical Record*

The Chemical Record, official newsletter of the Columbus Section of the American Chemical Society, Inc., is published monthly, September-December and February-May (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, chemicalrecord@yahoo.com. Electronic mail contributions should be in MS Word file attachments (preferred) or plain-text messages. When preparing electronic documents, please remember that you are no longer using the old Remington typewriter so you do not need to add a carriage return at the end of each line. *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@wowway.com. George 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 Stephen Renner (srenner@cas.org) and Maria Rosenthal (mrosentha@cas.org). Maria and Stephen will perform any necessary formatting then they will forward the message to John Todd, Electronic Communications Coordinator, for distribution. If you would like to be added to the e-mail distribution list, please contact John Todd (jtodd@cas.org)



THE CHEMICAL RECORD

Columbus Section of The
AMERICAN CHEMICAL SOCIETY, INC
P.O. Box 82181
Columbus, OH 43202