

THE CHEMICAL RECORD



The Chemical Record

Volume 51, Number 4 — May, 2009

Columbus Section of the American Chemical Society, Inc.

Priscilla Ratliff, Section Chair

George Greene, Editor

www.acscolumbus.org

IN THIS ISSUE...

PLEASE MARK YOUR CALENDARS FOR UPCOMING COLUMBUS SECTION MEETINGS.....	1
CALL FOR NOMINATIONS.....	2
WELCOME NEW MEMBERS!	2
COLUMBUS SECTION ACTIVITIES UPDATE.....	2
SILVER CIRCLE NEWS.....	3
LOCAL SECTION PRAISED FOR 2008 ANNUAL REPORT	3
2009 STATE SCIENCE DAY WRAPUP.....	3
NATIONAL CHEMISTRY WEEK 2009.....	4
FROM INVENTION TO VENTURE: WOMEN AND ENTREPRENEURSHIP	5
GREEN CHEMISTRY AND ENGINEERING CONFERENCE	5
ACS SUSTAINABILITY INITIATIVE	5
ACS RESPONSE TO ECONOMIC DOWNTURN	6
NEW WEBSITE DESIGNED FOR ACS INDUSTRY MEMBERS	7
SAVE THE DATE - ACS VIRTUAL CAREER FAIR JUNE 8-12	7
COLUMBUS SECTION ACS CALENDAR OF EVENTS.....	8
MOLECULE OF THE MONTH.....	9
PLEASE SUPPORT OUR SPONSOR.....	9
ABOUT <i>THE CHEMICAL RECORD</i>	10
CHANGE OF ADDRESS.....	10
ADVERTISING RATES.....	10
SECTION E-MAIL ROUTING	10

PLEASE MARK YOUR CALENDARS FOR UPCOMING COLUMBUS SECTION MEETINGS

August 27

September 22

October 20

Chihuly Reimagined, Franklin Park Conservatory

Chemistry for the Birds, Dr. Dwight Chasar, Clintonville Woman's Club

ACS President-elect, Dr. Joseph Francisco, Chemical Abstracts Service



ACS

Chemistry for Life™

CALL FOR NOMINATIONS

Although it is always time for members to take an active role in Section activities, the time is approaching where a new slate of candidates will be nominated for the 2010 year. **Lewis Hogarth**, Nominating Committee Chair, will be responsible for bringing the slate of candidates to the general membership for election.

The Nominating Committee is responsible for presenting two candidates per office. A member can also be nominated as candidate by a petition signed by 5% of the Section membership, which would be about 70.

All elected officers are members of the Executive Committee (EC) of the Section and are required to attend EC meetings at the request of the Section Chair. Candidates for officers should demonstrate willingness and enthusiasm for public service to ACS and the community. Experience is welcome but not necessary; training is provided. Nominees for Councilors are strongly encouraged to have, in addition, prior or current service to ACS as Councilors/Alternate and/or Officers for a Local Section or Technical Division.

The Offices for election are 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: This is a 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.

Persons interested in these positions can find more complete descriptions in the Section's Job Manual. The Manual in its current draft version is at: www.acscolumbus.org, under the pull-down menu "How we work". Please contact Lewis at 614.268.8534 or westwood@infinet.com for additional information or to volunteer to run for office.

WELCOME NEW MEMBERS!

By George Noethlich

Please join us in welcoming the following new members who have joined the Section recently. The Columbus Section cordially invites new members to our monthly meetings. The Section will pay for new members' meals the first time they attend a meeting.

Andrew Archer
Julie Glasnapp
Jay Gupta

Samit Gupta
Cynthia Hummel
Karrie Kubatko

Mark Sgambellone
Robert Snapka
Carissa Sturgeon

COLUMBUS SECTION ACTIVITIES UPDATE

By Steven Rosenthal, Chair-Elect

Here are some of the activities that the Columbus Section has been working on this year. We have been working on the bylaw revisions, International Year of Chemistry (IYC 2011) planning for 2011, the ACS sustainability initiative, and the Columbus Section Award.

The changes to the Section bylaws were approved by our membership in our last election. The results of the election were certified and reported to the ACS Committee on Constitution and Bylaws for final acceptance. The final approval of our revisions is needed before we can hold electronic elections. We are looking at some different possibilities for future elections and vendors who can provide electronic voting services.

A preliminary report for some proposed IYC 2011 activities and actions was submitted to ACS the last week of April. Reports from all the local sections and divisions were due April 30, 2009. This material will then be reviewed and evaluated.

The Columbus Section Award is presented every two years to an outstanding scientist in the field of chemical sciences, including chemistry, biochemistry, biomedical sciences, chemical engineering, materials sciences, and science education.

The awardee is selected from a group of scientists nominated for the award by their colleagues and must be within the membership of the Columbus Section of The American Chemical Society, as must the nominator.

The nomination materials of the candidates must include a letter by the nominator, several letters of recommendation from colleagues of the nominee, a curriculum vitae for the nominee, a list of publications and any other information considered relevant.

The award committee is composed of a chair and members from industry, academia and the independent chemical areas, and selection of awardee will take place in early February of the award year, in time for the May Section meeting. The award consists of a plaque to be held by the recipient for two years, a medallion, and a check. In addition, the recipient will deliver a lecture at the time of award presentation.

Please consider nominating one of your colleagues or co-workers for the 2010 Columbus Section Award. There will be a formal call for nominations issued later this year with contact information. A list of past recipients is available at the Section website.

Silver

SILVER CIRCLE NEWS

By Tom Weeks
tomweeks@aol.com

Silver

The Silver Circle group met April 13 in Orton Hall, OSU for lunch, a lecture on mineralogy and rock collecting by **Dr John Medici**, and a tour of the geological museum by **Dale Gnidovec**. About 14 people attended.

LOCAL SECTION PRAISED FOR 2008 ANNUAL REPORT

By Priscilla Ratliff, 2009 Chair

Dr. Stephanie S. Watson, a member of the ACS Local Section Activities Committee who recently reviewed the 2008 Annual Report of the Columbus Section has praised it highly for completeness and for the inclusion of narrative information. In particular she also complimented the Section's Web site and the Section's newsletter. Many thanks to 2008 Chair **Ron Mitchum** and other officers and members who helped write the report and more importantly spear-headed the many activities that were reported. Thank you all and know that your good work was recognized and appreciated.



2009 STATE SCIENCE DAY WRAPUP

By Bob Kroshefsky
State Science Day Coordinator
Columbus Section ACS

Thirty-two volunteers, comprising 20 experienced judges and 12 "rookies", many of whom were Columbus Section members, participated in State Science Day on Saturday, May 9 at French Field House on the OSU campus. Here's the rundown on how the ACS Awards in Chemical Science turned out.

We had 103 projects in the Grades 7-9 group with 24 judges assigned there and 28 projects in the Grades 10-12 group with 8 judges assigned. The breakdown by self-described categories was as follows:

Category	Number of Exhibitors (Grades 7-9)	Number of Exhibitors (Grades 10-12)	Category	Number of Exhibitors (Grades 7-9)	Number of Exhibitors (Grades 10-12)
Behavior	1	-	Environmental	7	-
Biology	14	4	Medical	10	2
Botany	10	2	Microbiology	1	-
Chemistry	47	15	Physics	2	2
Earth Science	2	-	Zoology	1	1
Engineering	7	2			

We used a three-round format with each judge looking individually at 4-5 projects in the first round and selecting one to move forward. Then, in the second round, 5 groups for Grades 7-9 and 2 groups for Grades 10-12 decided on projects to move into the awards round. In that final round, a select group of judges in each grade group selected the Top 3 projects and honorable mention winners.

Grades 7-9			
Place	Name	Grade	Title
1 st	Mr. Chris D. Mario	8	<i>Does Temperature Affect Electrolysis?</i>
2 nd	Ms. Hannah L. Abner	8	<i>Where's My Vitamin C?</i>
3 rd	Mr. Sohun S. Talreja	8	<i>Orange Juice: Hot or Cold?</i>
HM	Mr. Michael A. Macuga	8	<i>The Science Behind Browning Apples</i>
Grades 10-12			
1 st	Mr. Sarat Tallamraju	11	<i>Energy from Titanium Dioxide Solar Cell: A Study of Variables Affecting Energy Yield" (Sarat produced the #1 Grade 10-12 project in 2008)</i>
2 nd	Mr. Robert E. Ellis	11	<i>The Effects of Solution Composition on Magnesium and Calcium Carbonate Crystal Growth</i>
3 rd	Mr. Connor D. Freeland	11	<i>An Investigation of Mutations of the GAD1 Gene in Relation to PDE</i>
HM	Mr. William J. Bailey	11	<i>Flash Pyrolysis of Cellulose, Renewable Oil Production</i>

Great personal thanks go to **Lisa Delp** for serving as the Event Manager and to **Christine Lemon** and **Soumitra Deshmukh** for working with her as Group Managers.



NATIONAL CHEMISTRY WEEK 2009

National Chemistry Week will be observed October 18-24, 2009, with the theme, *Chemistry, It's Elemental*. Volunteers are 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, on Saturday, October 24, 2009. No previous experience is required; we will provide everything you need and show you how to perform the demonstrations on the day of the event. Please contact **Professor John Blaha** at 614.287.5930 or jblaha@csc.edu for more details.

FROM INVENTION TO VENTURE: WOMEN AND ENTREPRENEURSHIP

Date: Sunday, August 16, 2009; **Time:** 1 pm - 5 pm, **Location:** ACS National Meeting, Washington DC (location specifics to be announced.)

The American Chemical Society's Women Chemists Committee (WCC) and the National Collegiate Inventors and Innovators Alliance (NCIIA) invite you to attend an afternoon workshop on the basics of technology venturing with special emphasis on the key challenges facing women as they pursue a start-up opportunity, license or otherwise transfer technology.

Sessions include panel discussions and feature the opportunity for entrepreneurs to "speed pitch" to VIPs and speakers. You do not have to be a member of the American Chemical Society to attend the workshop.

Registration will be available through ACS national meeting registration or through NCIIA for those not attending the meeting. For more information, including speakers and prices, visit <http://www.invention2venture.org/wcc09/>.

We hope you will be able to attend!

GREEN CHEMISTRY AND ENGINEERING CONFERENCE

Dear Colleague:

The widely acclaimed and longest-running Green Chemistry and Engineering Conference in the world is being held June 23-25 at the country's first environmentally friendly hotel and conference center in beautiful College Park, Maryland, USA, a short subway ride from our Nation's Capital. You won't want to miss this conference!

You will hear outstanding talks from the world's leading experts in green chemistry and engineering, organized around the theme of sustainability grand challenges and research needs in the chemical industry. There is still time to register. To learn more about the conference and to register now, go to www.gcande.org.

Other notable events include the Presidential Green Chemistry Challenge Award ceremony on June 22 at the Carnegie Institution in Washington, D.C., at which companies with green chemistry solutions to commercial problems and others are honored. There are also special events for students.

If you are not able to attend, you can still support the cause of green chemistry and engineering. Make a donation to advance the work of the ACS Green Chemistry Institute® in education and outreach. To donate, go to www.acs.org/giving/gci.

Sincerely, **Madeleine Jacobs**, Executive Director and Chief Executive Officer

ACS SUSTAINABILITY INITIATIVE

Sustainability (e.g., of energy, water, and food) has been identified by the ACS as a key global challenge where chemistry must play a role in finding solutions. In support of our vision of "Improving people's lives through the transforming power of chemistry," Goal 3 of our strategic plan calls on the Society to "be a global leader in enlisting the world's scientific professionals to address, through chemistry, the challenges facing our world."

The Board of Directors created a Sustainability Stakeholders Steering Group (S3G) to ensure that all aspects of the Society's activities related to the sustainability challenge are identified, promoted, celebrated, enhanced, and supported through partnerships throughout ACS and beyond.

S3G has been chartered to promote ACS sustainability leadership through facilitation, coordination, and communication among ACS stakeholders and members:

- To foster cooperation and collaboration on related ACS projects and activities;
- To identify gaps in existing activities where ACS is positioned to contribute, leveraging our unique strengths;
- To identify external partners for collaboration, including other organizations and government agencies; and
- To suggest mechanisms for member engagement and communication throughout ACS.

As we begin to take inventory of current ACS sustainability-related activities, we are asking for you to share:

- Activities that are taking place within your section,
- Additional plans that your group has in this area, and
- Areas where you would like to identify additional partners to help in making these plans a reality.

We also invite you to join S3G on the ACS Network at <https://communities.acs.org/groups/sustainability-stakeholders-group> to support collaboration and communication on an ongoing basis. This is a forum to share ideas, identify partners, and inspire fellow members. Together we can indeed tackle the immense challenge of sustainability.

ACS RESPONSE TO ECONOMIC DOWNTURN

April 28, 2009
Dear Colleagues,

About a month has passed since ACS concluded its national meeting in Salt Lake City, Utah. In Salt Lake City, the ACS Board of Directors and Council learned that ACS ended the year with positive operating results due to a combination of strong performance from its two largest divisions (CAS and ACS Publications) and prudent expense management across all operating units. Overall, the Society ended 2008 with a \$9.7 million net from operations, more than \$560,000 favorable to budget. As reported in the ACS Comment in the March 9, 2009, issue of C&EN, 2008 represented the fifth consecutive year of positive operating results. In addition, the Society's independent auditors, PricewaterhouseCoopers, gave ACS a "clean audit" on its consolidated financial statements www.acs.org/auditedfinancialstatements. These are accomplishments to celebrate.

However, 2008 also brought many challenges for ACS. Like many organizations, ACS experienced a significant decline in its unrestricted net assets, or reserves, due to investment losses and non-operating charges related to its defined benefit pension plan. Overall, the Society's reserves fell from \$212 million at December 31, 2007 to \$60 million by year end 2008. This decline was directly related to the historic drop in the capital markets. While the Society's investment performance was disappointing, we know from independent benchmarking that the Society's returns compared favorably with most college and university endowments. Fortunately, through effective planning and strong operating performance over several years, ACS ended the year financially sound with significant cash balances and minimal debt.

Over the years, the ACS Board has adopted several financial guidelines that measure the Society's overall financial condition. The guidelines provide a dashboard of gauges that signal when corrective actions may be necessary. Not surprisingly, the sharp decline in reserves in 2008 caused ACS to end the year significantly below its target for reserve adequacy. Maintaining adequate unrestricted net assets provides the Society with a reserve to absorb operating deficits and investment losses during difficult economic times, as well as a source of protection for uninsured losses. Obviously, the Society's year end reserve position poses an extraordinary challenge for the ACS Board and management in 2009 and beyond – how to rebuild unrestricted net assets in the midst of a global economic downturn.

Looking to 2009, our core revenue-generating operations – CAS, Publications, and Membership & Scientific Advancement – are holding up reasonably well under difficult economic circumstances. Unfortunately, the global economic situation has not improved during the first quarter. Our own internal forecasts as well as consensus forecasts by outside economists suggest that the economic weakness is likely to persist into 2010.

Only by remaining a financially sustainable organization, can ACS carry out its vision, mission, and strategic plan, and fulfill its Congressional charter. As a 501(c)(3) organization and a public charity, ACS has obligations under its charter to serve the scientific enterprise and the general public. Within the *ACS Strategic Plan for 2009 and Beyond*, one of the primary goals focuses on financial sustainability. As a practical matter, the Society's ability to fulfill its other strategic goals – to effectively serve its members, chemistry, and related sciences – is highly dependent on achieving the financial sustainability goal.

To achieve financial sustainability, especially in light of the continuing economic downturn, the following actions were discussed at length with and agreed upon by the ACS Board of Directors in Salt Lake City. Collectively, these actions are aimed at significantly improving the Society's ability to better respond to the major changes we are seeing in the economic environment as well as the capital markets. The key elements include the following:

1. A strategic reduction-in-force representing 3% of the total 2,000-person ACS workforce.
2. Strategic expense reductions such as eliminating or reducing funds for certain programmatic and administrative activities
3. Imposition of a cap on the amount that ACS contributes toward the overall cost of health insurance coverage for retirees. (For purposes of financial reporting, this action will restore approximately \$23 million to the reserves in 2009.)

These actions were not taken lightly. We had sincerely hoped to avoid a reduction-in-force, but current and projected economic conditions necessitated the measures. They represent our best thinking given the information we have today. We continue to monitor

the economic situation and will adjust our path forward if circumstances warrant it. Our overarching goal remains the same: strengthen the Society's financial position in order to sustain the delivery of high quality products, programs and services that ACS members have come to depend on.

The American Chemical Society is the steward of a 133-year tradition of service to the chemical enterprise. Our first responsibility is to the long-term health of this institution so that we may continue to serve the scientific enterprise and our members. While our operating results in 2009 are expected to remain positive, the actions we have taken are intended to position the Society for both short-term and long-term financial sustainability.

Sincerely, **Judith L. Benham**, Chair, ACS Board of Directors; **Madeleine Jacobs**, Executive Director and CEO

NEW WEBSITE DESIGNED FOR ACS INDUSTRY MEMBERS

To focus on the specific information needs of chemists and chemical engineers working in industry, the American Chemical Society is launching www.boilthisdown.org

The site is designed to help you do the following:

- (1) Quickly grasp the Top News of the day affecting chemists and chemical engineers employed by industry (as reported by the world's top scientific and business publications).
- (2) Provide ACS industry members employed by small and mid-size companies with information targeting their specific needs.
- (3) Highlight Featured Articles published in scientific and business publications that help you become a better manager and scientist, and
- (4) Identify and access the ACS programs, products, and services of greatest value to the Society's industry members.

The site has many rich features that allow you to comment on articles, rate them, and share or post them to other sites. The interactivity of the site was purposefully designed to allow for a continuous process of improvement through readers' comments and ratings of the various articles, features and ACS programs.

Times have changed. Once, your challenge was getting access to information. Today, you are drowning in information. We will separate the wheat from the chaff so you can quickly access the information you need to be successful. We hope you will be frank with us about where we are doing things right, and where we can improve.

Please visit the site, bookmark it and check back daily for new postings. We look forward to your participation on www.boilthisdown.org.

Sincerely, **Max Saffell**, Editor, Boil This Down

SAVE THE DATE - ACS VIRTUAL CAREER FAIR JUNE 8-12

Yes, employers are hiring! And many of them will be at the ACS Virtual Career Fair June 8-12.

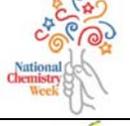
In today's economy, you should maximize your exposure whether you're job hunting or not. And ACS provides all of the tools you need to find a job. During the Virtual Career Fair you'll be able to:

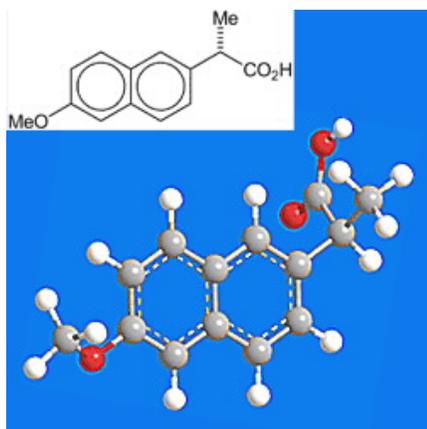
- Attend webinars and get career advice
- Interview virtually
- Post and edit your résumé
- Search job postings by field of specialization, work function, educational level, or employer
- Create job search agents
- Request interviews
- View your interviews scheduled by employers
- Maintain your personal calendar
- Have notices sent to your personal email account

Once you register, you can upload your résumé from an existing file. The résumé parser will extract relevant information and place it in the appropriate fields within your profile. Plus, you can upload up to 5 documents (cover letters, certification letters, work samples, etc.) that are also searchable – increasing your exposure in employer search results.

Win the Flip Ultra or other prizes for referring scientists or employers. This event is open to ACS members and non-members. **Registration opens May 25th.** Sign up for our email alerts. Go to www.acs.org/careers for more information.

COLUMBUS SECTION ACS CALENDAR OF EVENTS

Year	Month	Date	Day	Location	Comments
2009	August	16-20	Sun-Thu	Washington, DC	238 th ACS National Meeting and Exposition
2009	August	27	Thu	Franklin Park Conservatory	Monthly Section Meeting: <i>Chihuly Reimagined.</i>
2009	September	22	Tue	Clintonville Woman's Club	Monthly Section Meeting: Dr. Dwight Chasar , <i>Chemistry for the Birds</i>
2009	October	18-24	Sun-Sat	Here, There, Everywhere!	 National Chemistry Week: <i>Chemistry--It's Elemental!</i>
2009	October	20	Tue	Chemical Abstracts Service	Monthly Section meeting with Professor Joseph Francisco , President-Elect of ACS.
2009	October	23	Fri	Here, There, Everywhere!	 MOLE DAY OCTOBER 23RD 6:02 AM – 6:02 PM: International Mole Day, in honor of Avogadro's Number. This year's theme is <i>Molar Express.</i>
2009	October	24	Sat	Columbus Metropolitan Library Main Branch, 96 South Grant Avenue	National Chemistry Week "chemonstrations." Volunteers are needed; please contact Professor John Blaha at 614.287.5930 or jblaha@cscce.edu for more details.
2010	March	21-25	Sun-Thu	San Francisco, CA	239 th ACS National Meeting and Exposition
2010	August	22-26	Sun-Thu	Boston, MA	240 th ACS National Meeting and Exposition
2010	October	17-23	Sun-Sat	Here, There, Everywhere!	 National Chemistry Week: <i>The Chemistry of Materials.</i>
2010	October	23	Sat	Here, There, Everywhere!	 6:02 AM – 6:02 PM: International Mole Day, in honor of Avogadro's Number.
2011	Jan-Dec				 2011 CHEMISTRY 2011 <i>International Year of Chemistry. See details in the March, 2009 issue of The Chemical Record.</i>



MOLECULE OF THE MONTH

Naproxen

As we begin our summer yardwork regimens, we will no doubt experience some occasional aches and pains, so it's appropriate that Naproxen is the molecule of the month. Naproxen is a naphthalenepropionic acid derivative that is widely sold as its sodium salt. It is a nonsteroidal anti-inflammatory drug that is used to reduce pain, fever, and inflammation in muscles and joints. Its preparation in racemic form was first reported in 1968 in a patent awarded to Syntex.

[More about this molecule from CAS.](#) (Chemical Abstracts Service)

PLEASE SUPPORT OUR SPONSOR...

The Chemical Record is brought to you in living color by the Columbus Section of the American Chemical Society and our fine sponsor, **Hogarth Chemical Consulting**:



**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

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, 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. 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** (sarenner@gmail.com) 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)