



ISOTOPICS

The Cleveland Section of the American Chemical Society

Volume 85 Issue 2

February 2009

On Deck:

Wednesday, March 18

Speaker: TBD

Cleveland ACS Meeting-In-
Miniature

Ohio Aerospace Institute

February Meeting Notice

Joint Meeting with the Society of Technical Communication

Wednesday, February 18, 2009

Rockwell Automation, Mayfield Heights

4:30 pm Executive Committee Meeting

5:30 pm Social Time

6:00 pm Dinner

7:00 pm Presentation

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Many Section members have technical communication as part of their jobs, so what better society to interact with than the Society of Technical Communication? The February meeting will be a joint meeting between the Cleveland Section of the ACS and the Northeast Ohio STC. The presentation will be given by Lisa Adair, who is a graduate of Youngstown State University with a degree in Technical Writing and Editing. Joining Rockwell Automation, Inc. in September 1994, she has 14 years of technical writing experience. She presented on this same topic at the 2007 Technical Communication Summit and the Region 4 conference in Cleveland, Ohio, in October 2007. In addition, her "Styling for Structure" article was published in STC's Intercom magazine in June, 2008. Her talk, "Tracking Your Editing Metrics", explains how the Rockwell Automation technical communication group tracks metrics to support a business case advocating a formal editing role.

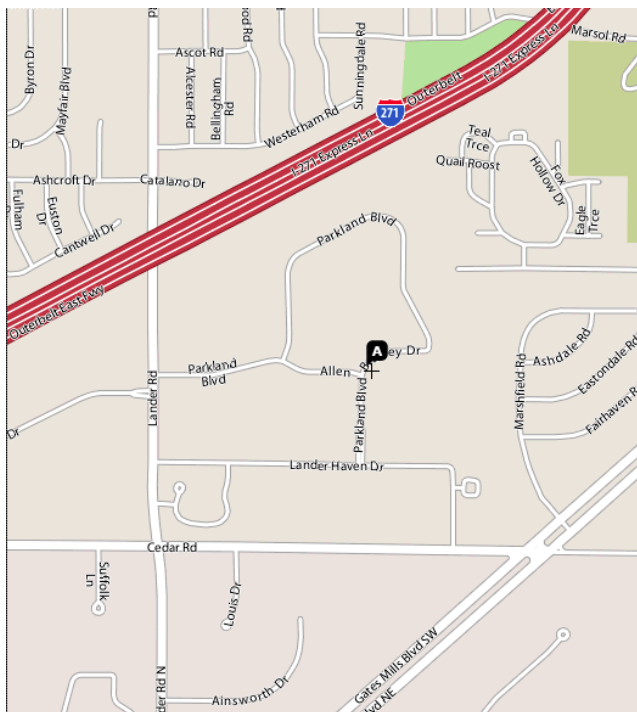
DINNER RESERVATIONS REQUIRED: Please RSVP by contacting David Ball, by phone at 216-687-2456 or by e-mail at d.ball@csuohio.edu by **5 pm on Friday, February 13.** (For phone reservations, please clearly spell your last name and leave a return phone number). Cost of the dinner is \$20 for members & guests and \$10 for students and past chairs. Checks made out to "Cleveland ACS" are greatly appreciated. Dinner will be a buffet, with chicken, mixed vegetables, and dessert.

Cleveland Section Web Site:

http://www.csuohio.edu/sciences/dept/cleveland_acs/

Directions to Rockwell Automation

Rockwell Automation is located at 1 Allen Bradley Drive in the Landerhaven business park. Just north of the corner of Cedar Road and Lander Road, it can be approached on either street. If you are taking I-271, take the Brainard/Cedar exit and get onto Cedar Road going west, then take Lander Road north. Visitor parking should be clearly marked. Enter the building in its main entrance and check in with the guard.



CALL FOR PAPERS – 2009 Meeting-In-Miniature

The 2009 Cleveland ACS Meeting-In-Miniature will be held at the Ohio Aerospace Institute on March 18, 2009. It will consist of several topical sessions and will feature cash prizes for outstanding undergraduate and graduate student presentations. Abstracts for oral presentations must be submitted prior to the Meeting. Abstracts should conform to normal ACS guidelines, be less than 200 words total, and submitted as an MS Word document only. Undergraduate presenters

should be labeled with an asterisk (*); graduate presenters should be labeled with a double asterisk (**). Submit abstracts electronically as a Word attachment to David Ball at d.ball@csuohio.edu. **Deadline for abstract submission is February 28, 2009.**

2009 Edward W. Morley Medalist Selected

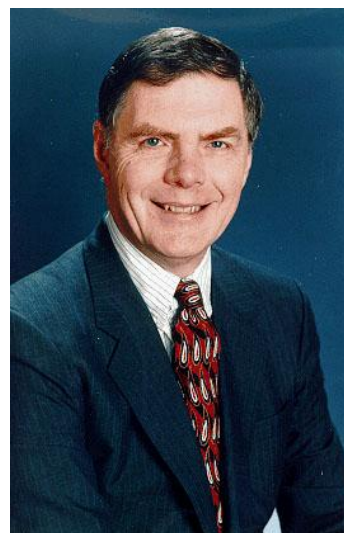
The Cleveland Section of the American Chemical Society wishes to congratulate

Terry A. Miller
Ohio Eminent Scholar
Department of Chemistry
Ohio State University

The Medal will be presented at CERMACS
 2009 on May 21, 2009

Further details on the Morley Medal are
 available at:

<http://www.csuohio.edu/sciences/dept/clevelandacs/morley.htm>



2009 Central Regional Meeting of the ACS Announces Call for Papers

The Cleveland Section of the American Chemical Society invites you to the 2009 Central Regional Meeting of the American Chemical Society, CERMACS 2009, at the historic Renaissance Cleveland Hotel, Cleveland, Ohio, May 20-23, 2009. This event is being co-sponsored by the Electrochemical Society, the Society for Applied Spectroscopy, the American Vacuum Society, the Yeager Center for Electrochemical Sciences, and Case Western Reserve University. Abstracts will be accepted from **January 17, 2009** through **March 16, 2009** (see information below).

The theme for CERMACS 2009 is *Meeting Energy & Environmental Challenges Through Functional Materials*. In addition to the traditional symposia on Analytical, Inorganic, Organic, and Physical Chemistry, the meeting organizers are planning symposia on:

- Energy Storage and Energy Conversion
- Functional Materials
- General Catalysis
- Chemical Education
- Chemical Biology
- Medicinal Chemistry
- Art and Science
- Forensic Science
- Computational Chemistry
- Environmental Chemistry
- Health Impact of Nanomaterials
- Lunar Regolith and Simulants
- 100 Years of Chemistry in Cleveland

CERMACS 2009 is pleased to announce three keynote speakers for the technical program, Professor Charles M. Lieber of Harvard University, Professor Daniel G. Nocera of the Massachusetts Institute of Technology, and Dr. Linda Abraham-Silver of the Great Lakes Science Center. The Cleveland Section will continue four decades of tradition by presenting the Morley Medal for 2009 at the Morley Award Symposium. The Morley Medal recognizes significant contributions to chemistry through achievements in research, teaching, engineering, research administration and public service, outstanding service to humanity or to industrial progress. Workshops and short courses are planned. The undergraduate program will include an undergraduate research poster session as well as networking opportunities. Contact information for symposia chairs and details regarding this event can be found at the CERMACS 2009 website, www.cermacs2009.org.

In addition to the technical program, CERMACS 2009 will include an opening mixer and an awards banquet where the following awards will be presented:

- The Stanley C. Israel Regional Award For Advancing Diversity in the Chemical Sciences
- The ACS Division of Chem. Ed. Central Regional Award for Excellence in High School Teaching
- The E. Ann Nalley Central Regional Award for Volunteer Service to the American Chem. Society
- The Regional Industrial Innovation Award

Special meeting rates have been arranged at the Renaissance Cleveland Hotel, 24 Public Square, Cleveland, Ohio 44106. For reservations, call (216) 696-5600 and ask for the ACS rate. Program Chair: Dr. Kenneth Street, Kenneth.W.Street@nasa.gov, (216) 433-5032. Exposition: Amir Zaman, sponsorship@electrochem.org, (609) 737-1902 x103.

Entrepreneurial Activity Then and Now

A Symposium and Dedication of Two Plaques Honoring Charles M. Hall's Principal Patent

**Oberlin College, February 23, 2009
Craig Lecture Hall, Science Center**

4:45 p.m.

His Eye Fixed on Securing a Patent, Charles Hall Pursued an Economical Method for Refining Aluminum Metal, Norman C. Craig

8:00 p.m.

Presentation by Kenneth Adamo of the Plaques to
Sean Decatur, Dean of Arts and Sciences, Oberlin College
and
Patricia Murphy, Executive Director, Oberlin Heritage Center

8:10 p.m.

The Scientist as Entrepreneur – Miscible or Immiscible; Lessons Learned from Real Life,
Dennis Flood

On February 23, 2009, the 123rd anniversary of the discovery, we will celebrate the presentation of two plaques recognizing Charles M. Hall's principal patent for refining aluminum metal by electrolysis. Plaques are being presented to Oberlin College and the Oberlin Heritage Center under the Chemical Breakthroughs Program of the Division of the History of Chemistry of the American Chemical Society.

Kenneth Adamo is a member of the History of Chemistry Division of the American Chemical Society. He is a noted patent lawyer of the Jones Day Law Firm.

The afternoon talk by Norman C. Craig, Professor of Chemistry emeritus will be an historical account of Charles Hall's development of the electrolysis process for extracting aluminum metal, of the five patents awarded for this work, and of the environment for entrepreneurial activity in the last quarter of the nineteenth century.

The evening talk by Dennis Flood will focus on technical entrepreneurial and patent activity in the twenty-first century. Dr. Flood, a physicist, retired early from the NASA Glenn Center to pursue the commercialization of patentable ideas developed by scientists at NASA and elsewhere. Since then he has been involved in four startup companies, all of which were based on patents either owned outright or to which exclusive commercial rights had been obtained.

This event is free and open to the public. It is sponsored by the Oberlin College Department of Chemistry and Biochemistry in cooperation with the Oberlin Heritage Center.

For further information contact Norman C. Craig, Norm.Craig@oberlin.edu or (440-775-8664.

February Historical Events in Chemistry

By Leopold May

The Catholic University of America, Washington, DC

- February 7, 1834 One hundred and seventy-five years ago, Dimitri I. Mendeleev was born. He discovered the Periodic Law (Table) at the same time as Lothar Meyer, who published later.
- February 16, 1955 F. P. Bundy, H. T. Hall, H. M. Strong and R. H. O. Wentoff announced synthesis of diamonds at General Electric Research Laboratories on this date.
- February 19, 1859 One hundred and fifty years ago, Svante A. Arrhenius was born. He devised a theory of electrolytic dissociation and was a researcher in viscosity and reaction rates. In 1903, he was awarded the Nobel Prize in Chemistry in recognition of the extraordinary services he has rendered to the advancement of chemistry by his electrolytic theory of dissociation
- February 25, 1880 Arthur B. Lamb, who was the editor of the Journal of the American Chemical Society (1917-1949) was born on this day.

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Isotopics is looking to highlight local chemistry professionals, companies, teachers, research groups, students, events, and more. If you have an idea for an *Isotopics* article, please contact the editor. *Isotopics* is also looking for local members to join our staff. Time commitments for staff members are minimal (a few hours a year!) and your contributions will be invaluable to our local section. If you are interested in joining *Isotopics*, please contact the editor.