

## SEPTEMBER DETROIT CHEMIST

### SEPTEMBER SECTION MEETING

**Topic:** Amber Real and Fake  
**Speaker:** Dr. Alexander M. Shedrinsky, Long Island University  
**Place:** Detroit Children's Museum  
6134 Second Ave  
Detroit, MI 48202  
**Date:** September 21, 2004  
**Time** 5:30 Mixer- light refreshments, 6:15 Talk

Amber has long fascinated collectors and researchers. There is the aura of mystery associated with belief in its healing power; the variety of beautiful colors that make it so desirable for jewelry; and finally, the exquisite preservation of a great variety of inclusions, from insects to small frogs and lizards. From earliest times these properties have also drawn the attention of forgers. By forgeries we mean the substitution for real Baltic amber (succinite) or other fossilized resins, of materials ranging from recent copals to synthetic polymers. Attempts to forge amber inclusions are known from antiquity. At that time, such natural materials as melted amber or copal were used. At the very beginning of the 20th century these natural materials were usually replaced by Bakelite and similar synthetic polymers. These materials are not transparent and so can readily imitate certain kinds of milky amber but are useless in terms of transparent ambers with inclusions. Beginning in the 1940s, two new classes of organic materials became available for amber imitation: polyester resins and epoxy resins. Both are transparent, able to dissolve organic dyes and can achieve an appropriate degree of hardness, depending on the addition of fillers (e.g., fiber-glass), the structure of the original monomers, or the degree of cross-linking. With easy commercial availability and sophisticated "artwork" one can prepare convincing imitations of large transparent amber pieces with a wide variety of "inclusions" (ants, bees, lizards, mosquitoes, etc.). The question of the authenticity of amber inclusions has become particularly significant in view of the recent publication by a team of scientists from the American Museum of Natural History of DNA gene fragments from an insect preserved in amber for almost 30 million years. This represents the oldest DNA ever recovered from fossils. The book and the movie Jurassic Park created enormous interest in the subject of amber. In our lecture we will try to sort out the real and imaginary aspects related to this subject. The lecture will be profusely illustrated by slides of samples from the collection of the American Museum of Natural History as well as from private collections.

Alexander M. Shedrinsky graduated from the Chemistry Department of Leningrad State University in 1965. He continued his studies there and completed a postgraduate study in polymer chemistry in 1970. He was a lecturer in organic and general chemistry at Leningrad North-West Polytechnical Institute and continued his graduate studies at New York University (NYU), completing his M.S. in 1983 and his Ph.D. in 1986 in synthetic organic chemistry. He was Charles and Francis Atkins Fellow at the Paintings Conservation Department of the Metropolitan Museum of Art and a Postdoctoral Fellow at the Conservation Center of the Institute of Fine Arts at NYU, Andrew Mellon Fellow at the Objects Conservation Department of the Metropolitan Museum of Art while continuing as Assistant Professor of Chemistry at the Brooklyn Campus of Long Island University and a Kervorkian Fellow at the Conservation Center of the Institute of Fine Arts of NYU. Presently, he is a Professor of Chemistry at Long Island University and an Adjunct Professor of Conservation at the Conservation Center of the Institute of Fine Arts (NYU). He specializes in pyrolysis gas chromatography of organic materials of art and archaeology. Professor Shedrinsky's skills and knowledge have been sought in the analysis of a variety of subjects, such as materials from the Sistine Chapel, Egyptian oil of archaeological interest, and Italic amber carvings from the Getty Museum, to name but a few. During the last ten years, his research interests have been heavily concentrated on the analysis of different ambers and amber look-alike materials.

The Children's Museum, a teaching adjunct of the Detroit Public School System, is located at Second and Amsterdam just north of the Wayne State University Campus and ~4 blocks south of the Fisher Building and the former General Motors HQ. Silverbolt, a horse made by artist John Kearney from car bumpers, stands in front of the Museum. Parking is available in an adjacent paved lot as well as on the street. Among the exhibits are a full size Bengal tiger and a diorama containing a number of extinct passenger pigeons, indicating the strange

things that sometimes get donated to a museum. The Museum's amber collection will be on display for the meeting. There is no charge for the program, but in order to get some indication of how many will attend, we ask that you please call or Email Ed Havlena at 313-393 3685 or [havlena@detroitsection-acs.org](mailto:havlena@detroitsection-acs.org) to reserve a spot.

### **BOY SCOUT CHEMISTRY MERIT BADGE CLINIC**

The University of Detroit Mercy's student affiliates are sponsoring a Boy Scout chemistry merit badge clinic on the 25th of September. If you know a scout or scout leader who might be interested, please pass the word along. The entire badge will be completed between 9 a.m. and about noon, depending on how much preparation each scout has done prior to arriving. The student affiliates group has a certified counselor through the Detroit Area Council, and will be able to sign off any of the blue cards or white sheets troops use for merit badges. Please have your scoutmaster okay each scout before attending. All scouts, please wear a class A scout shirt for the event. There will also be a light breakfast and lunch served (but not in the lab!).

Please RSVP soon, as space is limited. Unfortunately, we will not be able to accept scouts at the door who have not RSVP'd. If you are interested, please contact Mark Benvenuto via e-mail: [benvenma@udmercy.edu](mailto:benvenma@udmercy.edu). This goes for folks who'd like to volunteer and help with one of the requirements as well. Let us know if you'd like to help. We'd be happy to have you.

### **DETROIT SECTION ANNUAL GENERAL MEMBERSHIP: MEETING IS DISAPPOINTING**

The Detroit Section held its annual meeting, as required by the By-laws, and again failed to obtain a quorum for the meeting. Without a quorum present, the Committee could discuss plans and strategies, but could not conduct Detroit Section business. Members are welcome to join the Executive Committee for any of the regularly scheduled meetings. These meetings are held at the University of Dearborn, the second Tuesday of each month during the academic school year. However, the Annual General Membership meeting is intended specifically for the general membership to voice their opinions. We welcome all comments and advice from members and will be trying new techniques to make it easier for members to submit their ideas. (Kevin Perry, Section Chair)

### **JOIN THE SILVER CIRCLE**

Are you a chemist interested in working with kids? Do you want to share some of what you know with others? Why not join the Detroit ACS Section's Silver Circle?

The Section is continuing its efforts to grow our own, local Silver Circle. The idea, formulated by ACS past president Eli Pearce, is that chemists who have gained experience through their work often times wish to give back to their community and share some of what they know. Our Section has made and continues to update a list of chemists who share such an interest. These folks often work with area high school, junior high school, and elementary schoolteachers. As well, the Section sponsors at least one Boy Scout and one Girl Scout chemistry merit badge clinic per year, and is eager to have senior chemists work at such events. In addition, we have an award winning Kids and Chemistry program that sponsors several events throughout the year, that also has a constant need of volunteers.

In the past, one concern of people who are thinking about becoming a Silver Circle member is that they don't know what's suitable for the various situations in which they might find themselves. Never fear! There are already people in place, as well as a number of other resources, to help you out. For example, if it's doing some demonstrations with younger children that interests you, we know where to get the books, handouts, and materials you'll need (and of course, you'll be working out the details with the teacher well before visiting a class).

On the other hand, several high school teachers have already commented they would love to have a senior chemist address their class about why they became a chemist, and how their career progressed the way it did. That's sounds like a fun interaction that doesn't require much preparation at all.

If you are interested in signing on, your level of involvement is entirely up to you. We do give contact information to interested teachers, as well as to the Kids and Chemistry organizers, but we always respect a person's wishes if they desire to get in contact some other way. If you are interested, simply send your contact information to Mark Benvenuto at: [benvenma@udmercy.edu](mailto:benvenma@udmercy.edu). Tell us a bit about what level of involvement suits you, and we'll try to connect you with the right folks.

## KIDS & CHEMISTRY NEWS

Since our last report we have had 3 very successful events. On Saturday April 24, we held a hands-on program at Cranbrook Science Museum in conjunction with the Tri-Sectional meeting featuring Jack Lousma. This program, with 10 hands-on experiments was organized by Mary Kay Heidtke and Denise Grimsley and included volunteers from the Toledo and Huron Valley Sections as well as our own. It was also Cranbrook's 75th anniversary and an estimated 2800 visitors went through the Museum that day. We thank those who volunteered their time to support this program: Sheyla Barteck (U. of Toledo), Robert Coffey (Oakland U.), Denise Creech (Director of Membership, ACS), Charles Deak (C. K. Deak, Inc), Laura Greenfield (Pfizer), Denise Grimsley (BASF), Charlene Hayden (GM), Mary Kay Heidtke (Magni Ind.), Jennifer Hicks (Magni Ind.), Joanna Hinton (Toledo Section), Andy Jorgensen (U. of Toledo), Kathy Jorgensen (Toledo), Edith Klingberg (U. of Toledo), Emil Lozanov (WSU), Robbie Major (Student - Detroit Section), David McCormick (Henkel), Nina Potente (U. of Toledo), Ron Schroeder (WSU, Retired), Felix Schneider (FDA, Retired), Laura Siegl (U. of Toledo), Walter Siegl (Ford/ UofM-D), Andrew Stelzer (U. of Toledo), Joanna Szajnar (Cranbrook), Lori Tuscano (U. Toledo), and Joe Grappin (Monarch Labs).

On May 6, 2004 we made our 6th annual appearance at the Rouge Water Festival on the U. of Michigan-Dearborn campus. We had a great group of volunteers and ran 2 parallel sessions - working with 10 classes of 5th graders for a total of 243 students. The classes were particularly attentive this year and had some good questions. Felix Schneider did a great job as our event organizer and we thank those who volunteered to help: Charlie Anderson (BASF), Mark Benvenuto (U of D-M), Zora Djoric (WSU-Karmanos Inst.), Annise Goodman (Pfizer), Gina Ludwig (BASF), Lisa Marcolina (BASF), Don Ray (Visteon - ret), Denise Grimsley (BASF), Walt Meiers (DTE Energy - ret), Jonathan Warren (PPG), Walter Siegl (Ford/U of MD), Vauhini Telikapalli (GM Res), Christine Utter (GE Plastics), and Peter Warner (WSU).

And, on the 3rd of July we held our annual program at the Comerica TasteFest. We ran 3, and occasionally 4, hands-on experiments at our booth for an estimated 300 visitors. The kids (and parents) had lots of fun and we had pencils, rulers, toy "mini-moles" and copies of Wonder Science magazine to pass out. We thank our team of volunteers which included: Christine Utter (GE Plastics), Mary Kay Heidtke (Magni Ind.), Gina Ludwig (BASF), Felix Schneider (US FDA, ret.), Walter Siegl (Ford/UofMD), Denise Grimsley (BASF), the Megan (U of D-M), Rashawnda Burns (BASF), Ted Biermann (Madonna), Emil Lozanov (WSU), Mark Benvenuto (U of D-M), Karrie Manes (U of D-M), Manoj Gupta (BASF), Mudit Gupta (Troy H.S.), Ron Schroeder (WSU, ret.), Jim Landis (Henkel), Marcella Luercio (U of M-Flint), and Danielle Shrum (U of M-Flint).

We thank Charles Deak for responding to a call for chemist-speakers from the Royal Oak school system - Charles made presentations to several classes last spring.

**Programs coming up:** On September 16th will be participating for the first time at the Cranbrook Rouge Water Festival This is similar to the May program, except it is for Oakland County schools (at it is held at Cranbrook). Christine Utter is the organizer of this event. We will be looking for volunteers; if you are on our e-mail list, you will have received a call for volunteers. On Saturday, October 2nd, Gina Ludwig is organizing a 2-hour program at the Detroit Holistic Center - this is a return visit for us. And, on Sunday, October 17, we will be participating, as usual, in the NCW program at Cranbrook Science Museum which is being organized by Denise Grimsley (details may appear elsewhere in this issue),

Oh, yes! For the 4th consecutive year, our Kids & Chemistry program has been selected as one of 3 finalists for Outstanding Kids & Chemistry Program in the nation, Our thanks to all of you who helped make this recognition possible.

### **EDUCATION COMMITTEE MEETINGS: STARTING AGAIN IN THE FALL**

Our Section has an active Education Committee composed of high school teachers and college faculty who sponsor a number of events and activities throughout the year. The Section is justifiably proud of its track record at the local and national Chemistry Olympiads. As well, we try to put together a professional development event for teachers each spring. Also, we administer the Professional Training Enhancement Grants (PTEGs) each year, which can net a teacher up to \$500 for their own continuing, professional development.

We will be convening again this September, right after the summer break has ended. A group like this is only as good as its members - and we are always searching for new ones! Are you interested? The time commitment is little more than one evening a month. If you can spare it, please contact Mark Benvenuto at: Benvenma@udmercy.edu or at 313-993-1184. You'll be joining a great group of individuals.

### **PORTRAIT OF A VOLUNTEER - DENISE GRIMSLEY**

With this issue of the Detroit Chemist, we inaugurate a new feature. As space and contributions allow, we will occasionally run portraits of one of the Section's many volunteers. Each of the last four years, the Detroit Section has been a finalist for the Outstanding Local Section Award within its size category - largely on strength the Section's several public outreach programs. We thought that you, our readers, might enjoy meeting the volunteers who drive these programs, and that you in turn might yourself be inspired to come forth and join the effort (if you haven't already done so).

Denise is the Section's National Chemistry Week (NCW) coordinator and is also one of the six Co-chairs of the Kids & Chemistry program. Before Denise ever became involved in ACS activities, she was active in public outreach programs at BASF, giving tours making classroom visits and taking chemical presentations to Scout groups and the like on weekends. For many years, Denise served as the main assistant to long-time NCW chair, Susan Walkinshaw. Three years ago, Denise took over as NCW Chair and now coordinates the Detroit Section's annual program at Cranbrook Science Museum. The program consists of an afternoon of 10-12 different hands-on experiments, open to all visitors to the Museum. Denise assumes responsibility for collecting the team of volunteers and getting all of the supplies together. This year's program will be on Sunday, October 17th. Please mark your calendar and join us for the event!

After serving as a Kids & Chemistry volunteer for several years, Denise became one of the co-chairs about 4 years ago. In this role, Denise assisted this year in organizing the programs at the April Tri-Sectional meeting and the July TasteFest. And, you will usually find her helping out at most of the other events.

Denise works at BASF Wyandotte, where she carries out chemical and physical analyses on various samples sent in from BASF locations throughout North America. She works mostly with the scanning electron microscope and thermal analysis instrumentation, but in the past has carried out mass spectroscopy, chromatography, and atomic emission spectroscopy. Denise joined BASF Wyandotte in 1990 after receiving her B. S. in Chemistry from the University of Michigan-Dearborn.

Denise, who lives in Trenton, is the mother of 2 children, is a soccer-Mom/coach, and, when time permits, enjoys an occasional caving expedition.

## VOLUNTEERS NEEDED FOR NCW CELEBRATION

The theme for National Chemistry Week - 2004 (October 17-23) is "Health and Wellness." Our Section will be setting up a hands-on program at Cranbrook Science Museum on Sunday, October 17th from noon to 4:00 PM. We are looking for volunteers to help run experiments with children. If you are interested, please contact Denise Grimsley by phone at (734) 324-6539 or E-mail at: grimsld@basf-corp.com.

## BAYER HEALTHCARE DELIVERS FOR 2004 NATIONAL CHEMISTRY WEEK

Bayer HealthCare Diagnostics Division has made an extraordinary in kind contribution to the 2004 American Chemical Society National Chemistry Week Celebration, "Health and Wellness" valued at more than \$260,000! The NCW Coordinator in each ACS local section will be offered 2 digital glucometers with test strips, hundreds of CliniStix and MultiStix (urinalysis test strips), testing standard solutions and tablets, as well as test tubes and paper cups. The donation was made possible due to the efforts of former ACS President Helen Free and Senior Vice President Joe W. Martin of Bayer Healthcare. The 2004 ACS Matching Gift Fund matched Bayer HealthCare's gift one-for-two. The ACS Office of Community Activities will use the matching funds to enhance offerings for NCW including a web-based interactive site for children, expansion of the chemistry.org/kids website, and materials for ACS local sections..

## DETROIT SECTION SENDS STUDENT TO OLYMPIAD STUDY CAMP

Eric Fritz, a student of Ross Graham at Troy High School, became the latest representative of the Detroit Section to attend the Study Camp for the US National Chemistry Olympiad competition. He is the twenty-seventh student from the Detroit Section to qualify for this honor since the local Olympiad program began in 1985. In June Eric joined nineteen other students from around the country at the Olympiad Study Camp in Colorado Springs. The four person U.S. team, which competed in the International Chemistry Olympiad in Kiel, Germany, was chosen from the twenty Study Camp participants.

The Olympiad selection process began in March when 175 students from area high schools took the Local Section exam. The top ten students from the Detroit area (see below) were named as Nominees of the Detroit Section and returned to the University of Michigan-Dearborn in April to complete the National Exam. Following the exam the Nominees were the guests of the Section at the annual awards banquet. At that time they received \$300 cash awards through the generosity of the General Motors Corporation. Troy High School was awarded the Olympiad Achievement Award for having the highest average score on the Local Section exam.

In addition to Eric Fritz, four Detroit area students, Alex Flis (Honors), Zach Maddock (Honors), Alexander Munk (Honors), and Steve Zhang (High Honors), received special recognition from the ACS for their performance on the National Exam. The Olympiad competition is organized locally by Dr. Mark DeCamp of the University of Michigan-Dearborn.

## 2004 NOMINEES OF THE DETROIT SECTION

Alexander Flis	Cranbrook Kingswood	Edwin Van Dam
Eric Fritz	Troy High School	Ross Graham
Zach Maddock	Brighton High School	Rick Des Jardins
Alexander Munk	Northville High School	Thomas Silak
Kathleen Murphy	Det. Country Day School	Julia Winter
Alice Qi	Novi High School	Hanson/Helmkamp
Robert Rhein	Brighton High School	Rick Des Jardins
Ankit Singla	Andover High School	Dennis Kwasny
Prasanna Venugopal	Novi High School	Hanson/Helmkamp
Steve Zhang	Troy High School	Ross Graham

## **HUNDREDS PARTICIPATE IN APRIL TRI-SECTIONAL PROGRAM**

The second annual Tri-Sectional Event sponsored by the Detroit, Toledo, and Huron Valley Sections proved to be quite successful. The event was held in conjunction with the 100th anniversary of the Cranbrook Institute of Science. About 2800 visitors, many of which were ACS members, enjoyed all the facilities at Cranbrook for only a 100 penny admission charge. "Hands-on" chemistry experiments were provided for the younger visitors by volunteers from all three sections. Volunteers worked diligently to be sure all the children had an opportunity to try doing a chemistry experiment. Mary Kay Heidtke of the Detroit Section did a superb job of coordinating the volunteer activities. In addition to the experiments, visitors had the chance to test their chemical knowledge by participating in a "Chemical Jeopardy Game" which was held in the auditorium early in the afternoon. Student Affiliates from the University of Detroit Mercy did a masterful job of organizing and running the event. These young professionals should be proud!

The concluding event scheduled was a presentation by former astronaut Col. Jack Lousma. He narrated while showing a video made during one of his nearly 1600 hours in space. This was followed by discussion of what it takes to be a degreed professional like an astronaut. The ACS had 100 seats reserved for ACS members and their families, with the remaining 100 seats open to the public. Col. Lousma's visit was made possible by ACS/ Director at Large, Nina McClelland, who worked with the Detroit Section to organize the program.

There were so many things to do and so many people to meet, that I am sure I have forgotten something. If you want a second version of the event, please take a look at page 58 in the May 17, 2004, "Chemical and Engineering News." Victoria Gilman describes the event much more skillfully than I. Many thanks to all the people who made the event possible!

## **WHY YOUR WEALTH IS YOUR HEALTH**

Albert Einstein was once asked what he thought was the greatest force in the universe. With a twinkle in his eye, he replied, "Compound interest." In a way, he was right on. The effect of time on your wealth and asset building is amazing. But that force can be stopped. If you get sick or injured and you can't work for a while, you'll have to tap savings and assets. A disability can destroy a family budget and put you in enormous debt. Think it couldn't happen? One-third of all Americans will find themselves disabled for at least 90 days during their working lifetime. The risk of becoming disabled before 65 is significantly greater than the chance of dying. That's why so many financial planners and insurance specialists put disability income insurance at the top of the list of basic needs for wage earners. This basic protection is a no-brainer, providing up to 60 percent of your salary if you can't work due to illness or injury. It's a natural addition to your insurance plan if you want to keep that fantastic force of wealth-building going as long as you work. Guaranteed renewable policies are available at low rates through the ACS Member Insurance Program, which can also assist you with many of your other insurance needs. The ACS website offers all the information you need at [chemistry.org/insurance](http://chemistry.org/insurance) Plan Administrators are available at 1-800-752-0179.

## **SECTION RECOGNIZES AWARDEES AT BANQUET**

The Detroit Section held its annual Awards Banquet May 19th to recognize the accomplishments of Section members and area science students. The banquet was held jointly with the Chemistry Institute of Canada, who also recognized their awardees. About 60 people, including 36 Detroit Section ACS members, enjoyed conversation and dinner at the Beach Grove Country Club in Windsor, followed by the presentation of the awards. The evening concluded with a talk entitled, "The Geologic Chemistry of Caves," by David Luchins. Mr. Luchins presented numerous slides of unusual geologic formations to the amazement of the audience. Slides depicting mineral formations so delicate and complex, that they seemed to defy explanation prompted many comments from the audience. A good time was had by all those in attendance and we would like to again thank David Luchins for an excellent talk and all the awardees. The following people were honored at the ceremony:

**Detroit ACS - Science Fair Awards (presented by Peter Warner)**

Outstanding: Shannon Morey, Grade 10  
Commendable: Savina Aneja, Grade 12, Sara Worsham, Grade 12

**Society for the Chemical industry Award (presented by John Macintosh)**

Chemistry Alexis Taylor  
Biochemistry Vivian Chow

**Detroit ACS - Outstanding College Students of the Year (presented by Mark Benvenuto)**

Wayne State Univ. Casimir Koraba  
Oakland Univ. Sara Marchlewicz  
Madonna College Sr. Assumpta Ogbedeagu

**ACS medal winner presented by Philip Dutton**

Cory Widdfield

**Honorable Mention (Other Top Graduating Students)**

Chemistry Andrea Corrente  
Biochemistry Clare Sullivan  
Chemistry & Physics Jessica McLachlan

**Chemical Institute of Canada - Silver Medal presented by James Green)**

Chemistry Erica Scratch  
Biochemistry Aaron Rossini

**Detroit ACS - 50 year ACS Members presented by Kevin Perry)**

Dr. J. R. Soulen  
Mr. Edward Leonard Budzinski  
Mr. Taki J Anagnostou  
Dr. E. J. Havlena

**National/Detroit ACS - Salutes to Excellence Award (presented by Mary Kay Heidtke)**

Walter Siegl  
Gina Ludwig

**Detroit Section ACS - Outgoing Chair Service Award (presented by Kevin Perry)**

Dr. Ted Biermann

**Distinguished Service Award (presented by Kevin Perry)**

Dr. Mark Benvenuto

**WAYNE STATE UNIVERSITY MATH CORPS WEBSITE LAUNCHED**

Ellen B. Stechel, of Ford Motor Company writes:

"I am seeking a way to get the word to many colleagues in the Detroit area about a fabulous program at Wayne State targeted to Detroit Middle School and above kids. It is an amazing program and they have just launched a new website. The concept is very simple, but it is working and it is making a difference to our community. We are looking to raise awareness and ultimately to raise money so that we can expand the program. I am hoping that as people view the website, they will also send the link to others to view it as well."

The site is at <http://www.mathcorps.org/>

The program, described on the web site, "is a combined academic enrichment and mentoring program that brings middle and high school students from the Detroit Public Schools (DPS) together with college students to learn mathematics from each other, as well as to interact with professional mathematicians in a university setting. it is based on the dream of creating a self-perpetuating 'corps' of students from middle school through college, who will excel in mathematics and pass their knowledge and appreciation of the subject on to younger students, who will in turn do the same." The Math Corps teaches mathematics with a sense of urgency, promoting the learning of mathematics as an essential component in a child's education. In the Math Corps, students are challenged rather than remediated, are encouraged to learn in groups, and through discovery. Students learn from older students who serve as role models as they teach younger students who look up to them in the same way."

Ellen points out that the website allows an easy way to contribute and asks that readers please consider making a donation. Ellen concludes that she would also be very interested in any and all feedback from people who do view the website and indicated that she will also answer questions about the program. She can be contacted by phone (313-248- 5635) or email: [estechel@ford.com](mailto:estechel@ford.com)

### **CALENDAR OF UPCOMING EVENTS**

#### **September 21, 2004**

September Section Meeting Dr. Alexander M. Shedrinsky  
Amber, Real and Fake .

#### **September 25, 2004**

Boy Scout Chemistry Merit Badge Clinic

#### **October 17-23**

Oct 17-20, 2004

36th Great Lakes Regional Meeting in Peoria, Illinois. .

#### **November 8, 2004**

ANACHEM Symposium

Burton Manor in Livonia, MI.

Keynote presentation by Anachem Award recipient for 2003 Dr. Catherine Fenselau.

### **DETROIT ACS SECTION AND ANACHEM ON THE WEB**

A Website for the Detroit ACS Section and ANACHEM, maintained by Ed Havlena can be found at: <http://www.detroitsection-acis.org> The Detroit Chemist is now also available via email in text-only form. The email version is distributed at the same the issue goes to press (much sooner than the printed and bulk mailed edition). To subscribe send an email to: [Majordomo@angus.mystery.com](mailto:Majordomo@angus.mystery.com)  
with   Subscribe detroit-acis  
          end  
in the body of the message.