

theCHEMICALbulletin

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JUNE 2007

CHICAGO SECTION AMERICAN CHEMICAL SOCIETY

Joint Meeting with the Younger Chemists Committee

THURSDAY, JUNE 21, 2007

Viceroy of India
19W 555 Roosevelt Road
(at Highland Ave.)
Lombard, Illinois 60148
(630) 627-4411

DIRECTIONS TO THE MEETING From the North:

Take I-355 south to the Roosevelt Road exit. Go east on Roosevelt Road about 1.5 miles to the restaurant on the left.
or

Take the I-294 south to I-88 west. Continue on I-88 and take the Highland Ave exit. Turn right (north) onto Highland Ave. Continue on Highland and turn right (east) on Roosevelt Road. The restaurant is on the right.

From the West:

Take I-88 east to the Highland Ave exit. Continue north on Highland and turn right (east) on Roosevelt Road. The restaurant is on the right.

From Chicago:

Take I-290 west to I-88 west. Continue on I-88 west and get off at the Highland Ave exit. Turn right (north) onto Highland and go to Roosevelt Road. Take a right (east) on Roosevelt Road. The restaurant is on the right.

PARKING: Free

JOB CLUB 5:00 - 6:00 P.M.

SOCIAL HOUR 5:30 - 6:30 P.M.
Cash Bar

DINNER 6:30 P.M.

Dinner reservations are required and should be received in the Section Office via **phone** (847-647-8405), **fax** (847-647-8364), **email** (chicagoacs@ameritech.net), or **website** (<http://ChicagoACS.org>) by noon on Tuesday, June 19. PLEASE HONOR YOUR

RESERVATIONS. The Section must pay for all dinner orders. No-shows will be billed.

MENU: The dinner will be served buffet style. Appetizers: Samosa (peas, onions, carrots fried) and Chicken Tikka; Meat entrees: Butter Chicken, Tandoori Chicken, and Lamb Curry; Vegetarian entrees: Dalmakhni (creamed lentils with spices) and Vegetable Jalfrazie (fresh vegetable cooked in a tangy sauce); Desserts: Mango Kulfi (homemade ice cream with mango) and Gulab Jamun (made with dry milk and cottage cheese balls, deep fried and dipped in sugar syrup and rose water); Side dishes: Peas Pulao (rice with peas) and Naan (bread); Beverages

The cost is \$28 to Section members who have paid their local section dues, members' families, and visiting ACS members. The cost to members who have NOT paid their local section dues and to non-Section members is \$30. The cost to students and unemployed members is \$14. Seating will be available for those who wish to attend the meeting without dinner.

NOTICE TO ILLINOIS TEACHERS

The Chicago Section ACS is an ISBE provider for professional development units for Illinois teachers. Teachers who register for this month's meeting will have the opportunity to earn up to 3 CPDU's.

POP TOP RINGS COLLECTION

Instead of throwing away those pop top rings from your pop cans, please bring them to the dinner meeting so we can donate them to a program at Ronald McDonald House.

GENERAL MEETING 8:00 P.M.

General Meeting Speaker



Dr. Ruth Ann Armitage, Associate Professor of Chemistry, Eastern Michigan University, Ypsilanti, MI

Topic: "Archaeological Chemistry of Rock Paintings: Radiocarbon Dating and Chemical Analysis"

Abstract: Rock paintings, or pictographs, are unique cultural remains that are difficult to place into archaeological contexts because they are not a part of the buried stratigraphic record of a site. Direct radiocarbon dating of the paint itself would ideally be used to determine their age. The paint is typically an inorganic pigment (iron oxides and hydroxides are common) presumably mixed with an organic binder or vehicle to make the paint flow and

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FREE T-SHIRTS

The Hospitality Committee raffles one T-shirt at each monthly dinner meeting. The shirt has **CHICAgO** spelled out using the periodic table. So come to a monthly meeting and maybe you'll win one!

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adhere to the rock surface. Dating rock art by conventional radiocarbon techniques would have required completely destroying the paintings; the advent of accelerator mass spectrometry (AMS) for direct measurement of ^{14}C changed that. A plasma-chemical oxidation method was developed in the 1990s to selectively remove organic carbon from small samples of paintings, yielding CO_2 for radiocarbon analysis by AMS. Some paintings contain easily recognized organic material, such as charcoal, but most do not. At Eastern Michigan University, we are using chromatographic methods to determine the nature of the organic material present in rock paintings and using the plasma-chemical oxidation/AMS method to date them. Results of our work on paintings from sites in Idaho, Texas, Guatemala, and other locations around the world will be presented.

Biography: Ruth Ann Armitage earned a B.A. in Chemistry from Thiel College (Greenville, PA), and completed a Ph.D. in Analytical Chemistry at Texas A&M University on radiocarbon dating of charcoal-pigmented rock paintings. Since 2001, Dr. Armitage has been on the chemistry faculty at Eastern Michigan University. She and her students are currently using such analytical methodologies as GC-MS and ATR-FTIR to characterize and date by plasma-chemical oxidation-AMS archaeological materials, including rock paintings, fragile organic artifacts, and residues.

REPORT OF THE ACS SPRING COUNCIL MEETING HELD IN CHICAGO

The ACS Spring Council Meeting was held in conjunction with the 233rd National Meeting of the ACS in Chicago, IL from March 25-29, 2007. The Chicago section was represented by thirteen councilors and one alternate councilor. The councilors who attended for the section were: Roy Bible, Cheryl Bradley, Charles Cannon, Mark Cesa, Dave Crumrine, Herb Golinkin, Russ Johnson, Fran Kravitz, Milt Levenberg, Barb Moriarty, Seymour Patinkin, Marsha Phillips and Susan Shih. The alternate councilor representing the section was Frank Jarzembowski.

This meeting was a series of new experiences for me. First, it was the longest Council meeting I have attended in the 9 years that I have been a councilor because of the discussions of the three petitions that were up for action, as discussed below. In addition, it was the first time that I have taken

part in a recorded vote. This means that *C&E News* will be publishing the results of the election, so you will be able to see how the 14 representatives from the Chicago local section voted.

As is the custom, the council remembered those of council who have passed. This time it was a past president from Chicago, Fred Basolo. New councilors, including Herb Golinkin, Milt Levenberg and Susan Shih, were also recognized at the meeting.

Finances: The Committee on Budget and Finance reported that the Society ended 2006 with a net contribution from operations of \$12.2 million, on revenues of \$424.0 million and expenses of \$411.9 million, which was \$7.8 million favorable to the approved budget.

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JOB CLUB

The next meeting of the **Chicago Section ACS Job Club** will be held on Thursday, **June 21 at 5:00 p.m. at Viceroy of India**. The meeting will include a review and discussion of some of the tools that a chemist can use to conduct a job search.

The Job Club provides a continuing opportunity for unemployed members of the Section to meet with one another, share their experiences and develop a network that may help in identifying employment opportunities. Bring plenty of resumes and business cards to distribute to your colleagues. Be prepared to talk about the kind of job you are seeking.

Several participants have received outsource help with resume preparation and marketing strategies to present their best attributes to prospective employers. The group has critiqued some individual resumes and made suggestions for improvements in a positive way!

The Job Club is also for employers seeking chemists. Employers need to be prepared to describe the positions to be filled and requirements for these positions.

Should you wish to attend the Section's dinner meeting following the Job Club, the cost is \$14 and you can continue your networking activities. Please call the Section office for reservations and indicate that you are eligible for a discount.

Also, the Chicago Section's website has a link to the Job Club's yahoo job forum group. If you can't attend the Job Club, you can still find out about job openings and other information.

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"CHEM SHORTS" For Kids

The Elementary Education Committee of the Chicago Section ACS presents this column. They hope that it will reach young children and help increase their science literacy. Please cut it out and pass it on to your children, grandchildren, or elementary school teachers. It is hoped that teachers will incorporate some of the projects in this column into their lesson plans.

Super Sorting Challenge

Kids, how do you think recyclers separate all that stuff they get in their bins? Materials can be grouped or separated by how they look and/or by the material of which they are made. These qualities are called properties of the materials. Some recyclers use special properties of materials to group recyclables. In this activity, you will separate materials based on their special properties.

You will need: a magnet, a plastic straw or coffee stirrer, blunt-end scissors, metric ruler, 1 latex balloon, 1 square of aluminum foil (5 x 5 cm), 1 square of paper towel (5 x 5, cm), 5 small metal paper clips, 1 piece of window screening (20 x 30 cm), and a rectangular cake pan (about 32 x 23 x 5 cm).

Here is what to do:

1. Cut the plastic straw into five pieces (any size) using the scissors.
2. Cut or tear the aluminum foil and the paper towel into 5 pieces each (any size).
3. Roll each piece of paper towel into a ball between your thumb and index finger.
4. Place the pieces of straw, aluminum foil, paper towel, and the paper clips together in a pile on the screen.
5. Move the magnet through the pile (you may need to bring it very close to the objects). Put any objects picked up by the magnet aside in a pile. Record the objects picked up.
6. Inflate the balloon and tie it closed (your adult lab partner may need to help you). Rub the balloon back and forth on your hair. Hold the balloon close to the pile and see what happens to the objects. Put everything that is attracted to the balloon in a second pile. Record these items.
7. Now fill the cake pan with water. Take the screen with the remaining objects on it and dip it into the water so that the screen

touches the bottom of the pan. Pick off any floating materials and put them in a third pile. Record these items.

8. Now lift the screen and put the remaining objects in a fourth pile. Record these items.
9. Thoroughly clean the work area and wash your hands.

Where's the Chemistry? Materials have different chemical and physical properties that make them easy to separate. Recycling plants use machines that vibrate to sort paper from wood and cardboard. They use magnets to pull out tin and steel that is mixed with aluminum and plastic. Paper, glass, plastic, and metal each have their own chemical make-up and their own way of being recycled. It is important that each is separated from the other items before recycling. Paper is cut up, bleached and pulped. Some metals can be picked up by magnets and other metals cannot. Some materials are attracted to each other because of static electricity, which involves positive and negative charges. The hollow plastic straw pieces float because they spread their weight out and can be supported on the water's "skin." This skin forms because water tends to stick to itself, which is called cohesion. Materials with properties that are alike get cleaned, cut up, melted down and then made into new products. Some recycling plants are starting to use these different properties to help them sort out materials. They make machines to separate out recyclable materials just like you did but their process is on bigger scale!

Be sure to do this activity with an adult! Reuse/recycle as many of the materials as possible! Check your reuse/recycle plans with your adult lab partner first.

References: American Chemical Society's website for kids, see "Milli's Super Sorting Challenge, at http://www.chemistry.org/portal/a/c/s/1/acsdisplay.html?DOC=kids%CCc_kidspage_index.html

Edited by K. A. Carrado, Argonne National Laboratory

All past "ChemShorts": <http://member.ship.acs.org/C/Chicago/ChmShort/kidindex.html>.

DVD AVAILABLE

A DVD entitled "Local Sections Connecting Chemistry and the Community" is available for loan by calling the section office at (847) 647-8405.

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ANALYSIS FOR THE CHEMICAL ELEMENTS

DEADLINES FOR CHEMICAL BULLETIN

Please submit all Chemical Bulletin copy to the editor before the deadlines listed below for each issue. Articles can be emailed to the editor, Cherlyn Bradley, cbrad1027@aol.com.

Since we like the Bulletin to be as timely as possible, we need the lead time indicated. You can help by early planning and submission of your information or articles.

2007 Issue	Deadline
September	July 13
October	August 24
November	September 21
December	October 12

WCC COLUMN

Members of the Chicago Section's Women Chemists Committee (WCC) are developing outreach plans for Chicago Area section members and the community. These plans include a column in *The Chemical Bulletin* covering topics such as networking, career development, and vignettes of women in science, particularly chemistry. This month's topic is about **Dr. Anne Terry Sherren.**



ANNE T. SHERREN – FIFTY-YEAR ACS MEMBER

Anne Sherren states "Chemistry is the Central Science, and the current interesting research is at the interfaces—chemistry and biology, chemistry and physics, chemistry and foods, chemistry and material science, and chemistry and other disciplines in science." She also stated "Women are capable of doing important chemistry and all of us should encourage all young persons, especially young women." Anne has faith in tomorrow because of the youth of today! Dr. Anne Sherren retired from active teaching in 2001. In keeping with Anne's desire to encourage female students in chemistry, North Central College established the Dr. Anne T. Sherren Scholarship fund for female students in chemistry. Anne enjoys meeting the current Sherren Scholars each year.

Dr. Anne Terry Sherren graduated from Agnes Scott College in Decatur, GA with a double major in chemistry and mathematics. She obtained her Ph.D. in chemistry from the University of Florida in Gainesville in 1961. This chemist started experimenting in her mother's kitchen. One of her first experiments was to determine what she could add to her scrambled eggs. Anne's father encouraged her interest in science with interesting plants and bugs. Anne recalls her freshman high school science teacher inspiring her

and then later (about 16 years) rejoicing to see Dr. Sherren at a Professional Educator's meeting with Anne's mother. High school chemistry thrilled Anne. In college, Anne chose chemistry over mathematics because of her excellent freshman chemistry teacher.

When Anne was completing her Ph.D. degree, industrial jobs were tight and analytical chemistry Ph.D.s were not sought by the recruiters. Dr. Tom Lippincott and Dr. Harry Sisler both encouraged her to apply for teaching positions. In the fall of 1961, Dr. Terry joined the faculty of the Texas Woman's University in Denton. With capable mentors Anne excelled. In 1966, William Sherren and Anne Terry were married and Anne began her 35-year teaching of chemistry at North Central College in Naperville, Illinois. In a small department, one teaches many subjects and does many other items outside the classroom. These items include the advising of students, sponsoring student organizations, ordering equipment and chemicals, serving on a variety of committees and even supervising the mopping of the floor when a sink leaks.

Dr. Sherren would start each term by telling her students about herself using her grade report of 2 Cs, B and A to describe her values and interests. The first C is for Jesus Christ, her Lord and Savior and her many church activities. The second C stands for Chemistry and Anne's myriad of professional activities. B is for Bill her husband and her extended family. A is for Anne since Anne learned that she needs time for herself. She made it a point to limit her professional activities to groups that benefited students or helped Anne to help her students.

Chemical research has always been an important part of Dr. Sherren's professional activity. In addition to doing research with her students on campus, Dr. Sherren had the privilege of being a research participant at both Argonne National Laboratory and Oak Ridge National Laboratory. She also spent one sabbatical term at Nalco Chemical Company in Naperville. Dr. Sherren has presented a number of chemical papers and has published articles in several chemical journals.

This active chemist has been on several Chicago Section committees including the College Education Committee and writing for the Women Chemists Committee column. Dr. Sherren also chaired the Analytical Chemistry subcommittee of the Division of Chemical Education Curriculum Committee. Anne has served Iota Sigma Pi, National Honorary Society for Women Chemists as National President, National Director, and National Historian. At the same time she has remained active in the local

chapter, Aurum Iodide, serving as Faculty Liaison and Membership Chairman for a number of years. Dr. Sherren enjoyed grading Advanced Placement Chemistry Exams and serving as a consultant for ETS. Anne also served as a reviewer for NSF proposals and did abstracting for Chemical Abstracts before all abstracts were prepared by the Chemical Abstracts staff. Anne will still dig out a chemical demonstration to share with her high school chemistry friends at a Chem West meeting. In Texas, Anne was active with the SSTP program for high school girls. Anne knows that several of these students received Ph.D.s in chemistry.

Her honors include listings in Who's Who in the Midwest and a number of the other Who's Who volumes and also in 1967 Outstanding Young Women in America, and 1975 Outstanding Educators of America. In 1984, the Chicago Section of the American Institute of Chemists' Honor Scroll Award went to Dr. Anne T. Sherren. Beta Kappa Chapter of Delta Kappa Gamma Honorary society for Women Educators presented Anne the Chapter Achievement Award in 1992, and the DuPage County Coordinating Council of Delta Kappa Gamma, Key Contributor Award in 1998. She became an Honorary Member of MACTLAC (Midwestern Association of Chemistry Teachers in Liberal Arts Colleges) in 2000. In 1993, she

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received a Chicago Presbytery Award for Outstanding Volunteer with Exemplary Service to the Local Church.

Over the years, Anne has enjoyed her many contributions to Knox Presbyterian Church of Naperville. She is still active on the Mission Committee and with her church circle. Dr. Sherren served her congregation as Clerk of Session for 18 years. When she stepped down as Clerk of Session, her friends honored her by establishing the Dr. Anne T. Sherren Scholarship Fund. The Scholarships are for students going into full time Christian service. The third Sherren scholar will graduate from Seminary this spring.

In retirement, Dr. Sherren is still busy. In 2002, Anne and Bill Sherren moved into an independent apartment at Lexington Square of Lombard. She enjoys her water aerobics and dance aerobics classes, her Bible Study classes, and volunteering at Knox Presbyterian Church. Currently, she is serving as Vice President of the Lexington Square Resident Council. Her hobbies include reading, cooking, knitting, and gardening.

In keeping with her strong Christian faith, Anne Sherren realizes that alone she can do nothing, but that she can do much with the help of Jesus Christ her Lord and Savior and a very supportive spouse, William Sherren.

ANNE T. SHERREN

OLD ATHLETIC SHOES NEEDED

The Chicago Section ACS is collecting used athletic shoes for a community project being performed by Steven Edelman, son of Fran Kravitz. The project is called Nike-Reuse-a-Shoe. Nike recycles shoes of any brand and donates the Nike Grind material for new sports surfaces like playgrounds for kids who wouldn't otherwise have access to high-performance sports surfaces to play on.

Athletic shoes will be collected at the Chicago Section ACS dinner meetings through October. Won't you please help others by giving your used athletic shoes of any brand to this worthwhile project?

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the Section office (847) 647-8405
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MESSAGE FROM THE CHAIR

Thanks to our National Meeting Volunteers

The Chicago National Meeting is now part of history. I wondered how everything would get done. Not surprisingly, the volunteers from the Chicago Section met the challenge. I want to thank them for their enthusiasm and their ability to extend hospitality to meeting attendees. Before the meeting even started, Cheryl Bradley and her assistants put together a comprehensive special issue of the *Chemical Bulletin* that gave visitors a good sense of what the Chicago Section is all about. Herb Golinkin obtained and distributed an additional listing of restaurants in the downtown area. Our Hospitality Center was supposed to be ready by 2:00 PM on Saturday. When I stopped by at 11:00 AM, the booth was already up and Richard Cornell had already been there for some time. He spent many hours in that booth over the next four days. He did have a great deal of help. Our other volunteers in the Hospitality Center included: Wade Jarrell, Margy Levenberg, Stephanie Taylor, David Vietti, Theresa Tortorello, Cheryl Hurlley, Larry Berman, Herb Golinkin, Rudy Bernath, Avi Buchbinder, Judy Rubino, David Crumrine, Fred Turner, Marian Weber, Gary Roby, Feng Cai, Fan Yang, Stephanie Tetzler, and Morris Dalton. Mike Davis brought down the "Chicago" elements from the Daley Center periodic table; unfortunately, we were not able to display them in McCormick Place. But the magnets with the photo of Daley Plaza demonstrated that Chicago is a chemistry city. Our Chicago Section Women Chemists Committee (WCC) co-sponsored the national WCC reception on Saturday evening. Susan Shih helped organize this event.

The Chicago Section organized and co-sponsored two symposia in the Division of the History of Chemistry (HIST) program. One symposium dealt with Chicago-area industry and government-

sponsored labs. The speakers at the morning session were William Boulanger, Gregory Cote, Renee Wagner, Tony Tortorello, Alanah Fitch, and Ken Fivizzani. The afternoon speakers were all Chicago Section members: Susan Shih, Carl Moore, Charles Cannon (2 papers), Robin Zavod, and Peter Lykos. A major factor in the success of these symposia was the willingness of so many section members to participate. Several section members showed support by attending events sponsored by the Chicago Section. My thanks go to all of the section members who pitched in to make the Chicago National Meeting a success and a memorable experience.

KEN FIVIZZANI

ILLINOIS STATE FAIR VOLUNTEERS NEEDED

The Chicago Section, along with the other Illinois Sections of the ACS, is planning to again have a cooperative tent at the Illinois State Fair this summer. The Illinois State Fair is from August 10-19 in Springfield. Our joint-sections' tent activities provide information to the public on chemistry by way of demos, hand-on activities, literature, and give-aways and give us a chance to touch the lives of many Illinois citizens and governmental leaders. **Last year, over 13,000 people visited our tent!**

We are looking for volunteers to help during the fair and also to help in planning this project. If you are interested in helping for a few hours during the State Fair in August (you do get free admission and parking), helping on the planning committee for the tent activities, or if you think your company may be able to give a much-needed donation (monetary or in supplies) -- just call the Section office at (847) 647-8405.



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Council Report

The favorable variance was primarily attributable to higher-than-budgeted electronic services revenue and investment income, as well as expense savings from lower-than-budgeted health care costs and reduced information technology spending. In addition, the Society ended 2006 in full compliance with the Board-established financial guidelines. The Council voted to set dues for 2008 at \$136.

Governance: The Council selected Thomas H. Lane (Midland Section, Dow Corning) and Howard M. Peters (Santa Clara Valley Section, Peters, Verny, LLP) as candidates for 2008 President-Elect. These two candidates will stand for election in the Fall National Election.

The Council voted to continue the Committee on Science, the Women Chemists Committee, and the Younger Chemists Committee - subject to concurrence by the Board of Directors.

A report on The Governance Review Task Force was provided to follow-up on the status of the 23 ideas generated previously, which had been prioritized into three categories: (1) to advance the idea as worthy of further consideration by the cognizant committee and/or interested groups, (2) to refine the idea which will be sent back to the Governance Review Task Force for further consideration or (3) to place the idea in a "stop" category as an idea that will receive no further consideration as part of the governance review. The following recommendations were accepted: 1) a face-to-face meeting would be convened to examine the charges of the ACS committees in order to eliminate undesirable duplication of effort where committees' interests converge and to propose means to link their efforts for more productive outcomes; 2) members should be encouraged to run for Council. Efforts should be undertaken to encourage Councilor elections with more than one candidate. Uncontested races should be avoided if at all possible; 3) new councilors should be acknowledged at spring Council meetings and 4) local sections and divisions should monitor the participation of their Councilors and, if they are not active, consider voting to replace them.

Local Sections: A new local section, the Snake River Local Section with headquarters in Boise, ID, was established. This brings the total number of local sections to 190.

Meetings and Expositions: The 233rd ACS national meeting attracted 14,520 registrants as of March 27, 2007. This included 7,152 regular

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Council Report

attendees and 5,059 students. A total of 1264 student posters were presented at this meeting. Dates and sites were approved for meetings in 2017. More than 8000 attended regional meetings in 2006; this is a 30% increase in attendance over 2005.

Economic and Professional Affairs:

As of the end of Tuesday, there were 1439 job seekers at Chemjobs Career Center and 683 posted positions available from 73 employers. The Chemical Professional's Code of Conduct was approved.

Membership: At the end of 2006, membership in the ACS was reported to be 160,491, the highest year-end membership since 2002. Of the 17,857 new member applications, more than 1000 came from the Member-Get-A-Member campaign.

Petitions: As mentioned above, three petitions were up for action at this meeting. The Council voted to split consideration and action on the Petition on Election Procedures 2006 into two parts: Part 1, which was approved, changed the timing of run-off elections, specified an election process for situations in which only one Director-at-Large position is open and allowed for

electronic balloting. Part 2 proposed changes to standardize the petition and election processes for President-Elect and all Director positions based on percentages of voting members. For Part 2, the Council voted to recommit this petition back to the Committee on Nominations and Elections and ask that they reconsider the signature requirements, procedures for processing electronic signatures, and those suggestions arising from the Governance Review Task Force pertinent to election procedures. A petition, which would have established a one-year waiting period following service on the Committee on Nominations and Elections before an individual could be nominated for District Director, President-Elect or Director-at-

Large, was defeated in a recorded vote. The Petition on Multi-Year Dues, which will allow members paying full dues without any of the discounts to pay for periods of two or three years if they wish, at a rate equal to two or three times the rate for a one year period, was approved and will be effective when technical components are instituted to offer and track the payments, but no later than January 1, 2010.

If you have any questions and/or comments about the above actions, please contact me or one of the other representatives. You may contact me by email (bmoriarty@nalco.com).

BARBARA MORIARTY

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CALENDAR

June 3-7: 55th ASMS Conference on Mass Spectrometry, Indiana Convention Center, Indianapolis, Indiana. For further information, contact ASMS at 505-989-4517 or go to www.asms.org.

June 14: Chicago Section Board Meeting, 7173 N. Austin Ave., Niles, IL. Call the Section office at 847-647-8405.

June 21: Chicago Section's monthly dinner meeting held jointly with YCC. Note that this meeting is on a Thursday. Ruth Ann Armitage, Eastern Michigan University, is the after-dinner speaker. See details in this issue.

June 25-29: High Performance LC: Fundamentals, Troubleshooting, and Method Development ACS Short Course, Chicago, IL. This course will also be offered September 24-28 and December 10-14. For information, call 1-800-227-5558 or email help@acs.org.

July 9-13: 59th Annual Inter/Micro 2007 Conference hosted by McCrone Research Institute and dedicated to applied microscopy, The Millennium Knickerbocker Hotel, 163 East Walton Place, Chicago, IL. Go to www.mcri.org for complete information or contact Lauren Newbrough by e-mail (intermicro@mcri.org) or phone 312-842-7100.

August 10-19: ACS Illinois Sections' cooperative tent project at the Illinois State Fair. For further information on this activity, contact the section office at 847-647-8405.

August 13-17: GC: Fundamentals, Troubleshooting, and Method Development ACS Short Course, Chicago, IL. This course will also be offered November 5-9. For information, call 1-800-227-5558 or email help@acs.org.

August 30: Chicago Section Board Meeting, 7173 N. Austin Ave., Niles, IL. Call the Section office at 847-647-8405.

September 20: Chicago Section Board Meeting, 7173 N. Austin Ave., Niles, IL. Call the Section office at 847-647-8405.

September 28: Chicago Section's dinner meeting at Loyola University. Patent attorney, Lawrence Steingold, is the pre-dinner speaker. Roald Hoffmann, Cornell University, is the after-dinner speaker.

October 5: Microchemical Methods course, McCrone Research Institute, 2820 S. Michigan Ave., Chicago. Go to www.mcri.org for more information or call 312-842-7100.

October 11: Chicago Section Board Meeting, 7173 N. Austin Ave., Niles, IL. Call the Section office at 847-647-8405.

October 19: Basolo Medal Award joint dinner meeting of the Chicago Section ACS and Northwestern University.

Whether you spend your summer traveling, going to school, working, or playing....Have a wonderful summer and see you in the Fall with the September issue!----Editorial Staff

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