

theCHEMICALbulletin

JUNE • 2001

CHICAGO SECTION AMERICAN CHEMICAL SOCIETY

June Dinner Meeting

FRIDAY, JUNE 22, 2001

Wellington of Arlington
2121 S. Arlington Heights Road
Arlington Heights, IL
847-439-6610

DIRECTIONS TO THE MEETING

Directions: From Chicago: Take Interstate 90 (Northwest Tollway) west to Arlington Heights Road exit. Proceed north to the restaurant. From the southwest: Take 355 north to Route 53 north and exit at Algonquin Road east. Go to Arlington Heights Road. Turn left (north) and proceed to the restaurant.

Parking: Free parking

TOPICAL GROUP 5:30 - 6:30 PM

"Teaching Introductory Chemistry Online", presented by Christine M. Russell, M.Sc.

Abstract: For the past three years, the College of DuPage has offered an online version of our Contemporary Chemistry course. The course is designed for Liberal Arts students. This talk will discuss some of our findings in the areas of laboratory activities, assessment strategies and student retention and achievement. There will be examples of selected activities from the web-site as well as an opportunity to see examples of work submitted by former students.

Topical Group Speaker: Professor Christine Russell earned a B.S. in Chemistry from Oakland University and a M.Sc. in Theoretical Chemistry from Australian National University. She also holds a Certificate in Online Teaching from UCLA. After teaching at St. Clair County Community College for 16 years, she came to the College of DuPage in 1990. During the past ten years she has significantly changed the

curriculum in both the introductory and organic chemistry courses at COD.

Social Hour 6:00- 7:00 P.M.

Cash Bar Available

Dinner 7:00 P.M.

Dinner reservations are required and should be received in the Section Office via phone (847-647-8405), fax (847-647-8364), or website (<http://membership.acs.org/C/Chicago>) by noon on Tuesday, June 19, 2001. PLEASE HONOR YOUR RESERVATIONS. The Section must pay for all dinner orders. No-shows will be billed.

Menu: Cream soup of the day, Garden Salad with choice of dressings. Entrée choices are Breast of Chicken Athenian style with a medley of fresh vegetables and double-baked potato, Broiled White fish with Tartar Sauce with fresh vegetables and baked potato, or Fettuccine with fresh steamed vegetables and marinara sauce, rolls and butter, and beverage. Dessert is Chocolate Sundae.

The cost is \$28.00 to Section members who have paid their local section dues, members' families, and visiting ACS members. The cost to non-Section members is \$30.00.

DISTINGUISHED SERVICE AWARD to: STANLEY W. DRIGOT
(see page 3)

EDUCATION NIGHT AWARDS PRESENTATION 8:00 P.M.
Winners of the High School Scholarship Exam

CHANGING OF THE GAVEL 8:20 P.M.
Outgoing Chair Sharon Northrup will

turn over the gavel to incoming 2001-2002 Chair Herbert Golinkin.

GENERAL MEETING 8:25 P.M.

"Lead's Dangerous Legacy: A Chemistry Service-Learning Project" presented by Dr. Kimberly G. Olsen, Assistant Professor of Chemistry, Department of Chemistry, Loyola College in Maryland.

Abstract: As a Jesuit institution, Loyola College in Maryland places great emphasis on the concepts of social justice and service to the greater community. Therefore, we in the Chemistry Department have been examining the implementation of service-learning activities into our curriculum that require the analysis of real-life samples and a deeper examination of a chemist's role in society. I have created a service-learning component in my instrumental methods course in concert with Baltimore's Coalition to End Childhood Lead Poisoning. In this course, students sample and analyze paint samples from neighborhoods adjacent in the inner-city Baltimore neighborhoods adjacent to our campus for lead content, then create a presentation for the Board of Directors of the Coalition and our neighborhood colleagues. The experiment adds a real-life research component to the laboratory and is stimulates ethical discussions regarding urban renewal, child welfare, human rights, and the importance of scientific ethics. These concepts are reinforced through classroom discussions and field trips. The American Chemical Society, through its Experiential Programs in Chemistry project, has encouraged the development of such programs. I will discuss the components of our lead analysis project and how to implement a similar program into a variety of classroom environments.

(continued on page 2)

General Meeting Speaker: Dr. Olsen graduated from Rhodes College in Memphis, Tennessee and received her Ph.D. from Indiana University in 1996, where she was named an Eli Lilly and Kraft Fellow. For the past five years Dr. Olsen has served at Loyola College in Maryland, a comprehensive liberal-arts college in the Jesuit tradition. She is currently serving as a member of the ACS National Student Affiliates Advisory Board.

CHICAGO SECTION MEMBERS PARTICIPATE IN ILLINOIS STATE CAPITAL DAY

On March 7, 11 members of the Chicago Section joined twenty ACS members from other local sections around the state and three ACS staff members from the "Office of Legislative and Government Affairs" (OLGA) to celebrate Illinois State Capital Day in Springfield, IL. Members of the Chicago Local Section who participated were Richard Cornell, Dave Crumrine, Bret Feranchak, Herb Golinkin, Barb Moriarty, Sharon and Bill Northup, Susan Shih, Jim Shoffner, Awatif Soliman, Rick Strittmatter and Catherine Woytowicz. Catherine Woytowicz, the Science Policy Fellow at ACS, was able to join us from Washington, DC.

The main topic for discussion was Science and Mathematics education. This is because the states play the lead role in funding education and developing policy. Every state, including Illinois, needs to improve K-12 science and mathematics education. While U.S. fourth grade students scored above the international average in science and mathematics in the 1995 Third International Math and Science Study (TIMSS), eighth grade students scored far below their international counterparts. U.S. 12th grade students' scores were abysmal. Furthermore, U.S. students showed "no statistically significant changes in their level of achievement" in the 1999 TIMSS-Repeat. Scores from the U.S. National Assessment of Education Progress (NAEP) confirm that less than one-third of all students in grades 4, 8, and 12 are proficient in science and mathematics.

Our children are not receiving the world-class education in the sciences and mathematics they deserve. Yet, scientific literacy is critical for an informed democratic society. K-12 science education is not enabling citizens to understand even basic science and technology concepts, let alone provide the knowledge needed to understand emerging issues such as cloning and global warming or weigh the risks and benefits of gene therapy research. Fur-

thermore, this situation will continue since nearly half of all economic growth in the United States results directly from research and development in science and technology.

Since most of the participants had never engaged in lobbying their representatives before, the morning session provided ACS members with a briefing on the message to be delivered to state legislators. As part of this briefing, we had presentations from Gwen Pollock, the Science Coordinator from the Illinois State Board of Education and Paul Kimmelman, the Special Advisor from the North Central Regional Education Laboratory. Both spoke to us on the need to push for increased emphasis on science and mathematics education and discussed teacher certification and professional development of teachers. Finally, Representative Mary Lou Cowlshaw, from Naperville, who is the House Education Committee Minority Leader, spoke on her continuing efforts to promote an alternative teacher certification process. Some of you may recall that Representative Cowlshaw spoke at our Public Affairs Meeting a few years ago on this same issue.

In the afternoon, each of us made calls on our representatives. This was the most fascinating part of the day, as we tracked down our representatives and tried to make a case for science education in the short time period allotted to us by very busy legislators. I think all of us attending State Capital Day came away with the impression that contact with legislators is vitally important. State Capital Day serves as a beginning of a continuous process to make our views heard as we try to make a difference in science and mathematics education for the citizens of the future.

BARB MORIARTY

ACS 125TH ANNIVERSARY FOR THE CHICAGO SECTION

The Board of Directors of the Chicago would like to solicit the ideas of what the section can do at the fall meeting. If you have any ideas on great advances made, key discoveries made within the geographic boundaries, please send them into the section. Our staff will collect the ideas and cull them into a visible presentation we hope to showcase at our hospitality room at the fall meeting.

Ideas can either be sent to ellen@tei-analytical.com or mailed to the section office at 7173 N. Austin, Niles IL 60614.

DARRYL PRATER
SUSAN SHIH

The mission of the Chicago Section of the ACS is to encourage the advancement of chemical sciences and their practitioners.

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"CHEM SHORTS" For Kids

A MAGNESIUM MARVEL

Kids, have you ever wondered how those trick birthday candles work — the ones that keep re-lighting themselves after they are blown out? All you need for this month's experiment is a regular birthday candle, a "trick" birthday candle, matches, and an adult partner to light the candles for you.

To understand trick candles, you need to first understand how normal candles work. The key difference lies in the moment after the candle is blown out. In a normal candle, a smoldering ember in the wick causes a ribbon of paraffin wax smoke to rise from the wick. While the ember is plenty hot enough to vaporize paraffin, it is not hot enough to ignite the paraffin vapors coming off.

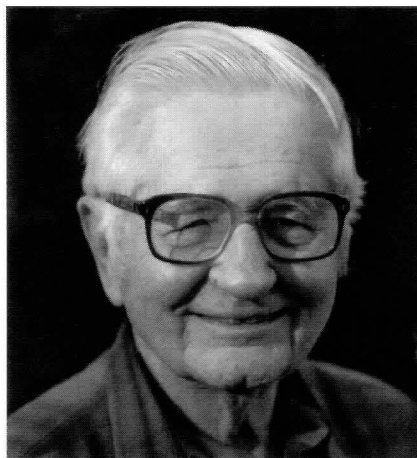
The key to a trick candle, then, is to add something to the wick that the ember is hot enough to ignite. After this material is ignited, the wick becomes hot enough to light the paraffin vapors. The most common wick additive is a metal called magnesium. Magnesium happens to burn (which means to combine with oxygen to make light and heat) really quickly at a fairly low temperature (low for fires anyway, at 800°F/430°C). Aluminum and iron metals both burn pretty well too, but they need higher temperatures.

Inside a burning wick, magnesium is shielded from oxygen and cooled by melted paraffin. But once the flame goes out, the ember ignites magnesium dust. If you watch the ember closely (and carefully!) you'll see tiny flecks of magnesium flicking off. Just one of these is needed to provide the heat that can re-light the paraffin vapors, and the candle flame comes back to life. You won't see this happening to the wick of a normal birthday candle. Check out these interesting weblinks for more information: www.howstuffworks.com/question267.htm describes how regular candles work, and www.delphion.com/details?pn=JP58049830A2 has the original 1983 Japanese patent on trick candles.

Submitted by Dr. K. A. CARRADO.
Reference: Marshall Brain's "How Stuff Works" website (with video) at www.howstuffworks.com/question420.htm.

NOTICE TO ILLINOIS TEACHERS

The Chicago Section-ACS is an ISBE provider for professional development units for Illinois Teachers, who register for the June meeting will have the opportunity to earn up to 3 CPU's.



STANLEY W. DRIGOT, DISTINGUISHED SERVICE AWARDEE

Stanley W. Drigot has been chosen as the Distinguished Service awardee for 2001. The Award was established in 1974 at the suggestion of Louis L. Lerner, then Editor of THE CHEMICAL BULLETIN, who felt that some recognition should be shown to the men and women who gave specific service to the Chicago Section.

Stan is a native of Chicago and received a B.S. in Chemistry from the University of Chicago in 1936. After working in or about Chicago, he went to work in Detroit in 1943 and attended Wayne State University at night, receiving a M.S. in Analytical Chemistry in 1947.

His professional employment history with eight employers in a wide range of chemistry anticipated what is now considered to be normal for a career in industrial chemistry. In his case, as was true for most chemists who graduated in the 30's, the career opportunities were severely limited and resulted in many job changes. In any event, Stan returned to Chicago in 1947 to work for A.B. Dick until 1951. After stints at Continental Can and Borg-Warner, he became a member of the technical staff at GTE Communications Systems Corporation from 1957 to 1985.

Stan joined the ACS in 1941 and became active in the Chicago Section in 1950. For openers he served on the House Committee until 1956 and on the Employment Committee in 1952 and 1986. He also served on the Continuing Education Committee in 1960 and 1970, Membership Affairs Committee 1967-1973, Public Relations Committee 1964-1968, and as chair of the latter committee 1970-1975, 1976-82.

However, his 18 years on the Professional Relations Committee (1964-1982) and as chair of that committee from 1970-1975 while serving as Section Chair 1979-1980 are the crown

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jewels of his outstanding service to the Section and its members. This interest was extended to the national level by his service as a Chicago Section councilor from 1975 to 1983 where he was on the Council Committee on Professional Relations and Economic Status and as chair of the Division of Professional Relations in 1982.

The list of active, outstanding service on committees is enough to warrant any award but does not fully portray Stan's contribution to the Section. For over 60 years Stan has shown an abiding interest in the professional concerns of chemists, particularly in employment and economic status, by his conscientious efforts to help on both a local and national level. There are many Section members who have been introduced by Stan to the human aspects of the profession and have been inspired to become involved in professional and employment activities. That is Stan's greatest service to the Section and its future.

Since his retirement Stan and his wife, Genevieve, moved to Saugatuck, Michigan. It is not surprising in view of his long-term commitment to the Section that he makes the trip around the lake to attend meetings. He still manages to extend a helping hand on the national/international level. In 1997, he was able to assist ACS President Pavlath with contacts with chemists at the University of Vilnius in connection with the Environmental Conference of the Baltic States.

The Section is honored to have Stan Drigot as the Distinguished Service Awardee for 2001.

THOMAS KUCERA

LONG-RANGE PLANNING COMMITTEE MEETING

The next meeting of the Long-Range Planning Committee will be Saturday, June 23, 2001 at 10 a.m. at the Section office. The Task Forces will give their reports. All members are encouraged to attend. Please inform the Section office if you plan to attend. A light lunch will be provided by TEI.

TOM KUCERA

CHICAGO SECTION COMMITTEE MEMBERS, 2000-2001

The many programs and services of your Section are provided by the volunteers of the various committees of the Section. Each year at this time, we acknowledge the committees and their membership. The following are all the committees in the Chicago Section. Thanks to all of you who volunteered your time and talents during the 2000-2001 term.

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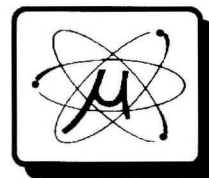
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ACS HIGH SCHOOL PROGRAM SET FOR AUGUST 2001

The High School Program of the 222nd National meeting of the American Chemical Society will be held in Chicago on August 27. The location will be announced at a later date. The Chicago Local Section, host of the national meeting, recently was approved as a provider of professional development units for Illinois Teachers by the Illinois Board of Education (ISBE). Participating teachers may earn up to seven CPDU's. Tickets (\$30) are limited, and are only available to the program participants through preregistration. **Contact Dr. Charles E. Cannon, Columbia College Chicago, 600 S. Michigan Avenue, Chicago, IL 60605 (312) 344-7396, Facsimile: (312) 344-8075, Email: ccannon@popmail.colum.edu.** Confirmations will be mailed to participating teachers upon receipt of registration forms. As soon as the location of the program has been determined by the national ACS office, it will be forwarded to registrants. Registrants may pick up their badges and kits beginning at 8:00 a.m.

ACS members wishing to attend the High School/College Interface Luncheon may do so by requesting tickets (\$30) on the meeting registration form which will be published in one of the June Issues of C&E News, or through the ACS Web site (<http://www.acs.org/meetings/chicago2001/>) or at the ACS registration desk at the meeting.

The **morning activities** (9:00 — 9:50 a.m.) will begin with the following presentation:

"The Elements of a Chemical Leadership: Chemical Demonstrations with a Theme", Drs. Marvin Lang and Don Showalter (University of Wisconsin-Stevens Point)

Abstract: Chemistry is often perceived as "hard", "difficult" and "weird." Why would anyone want to practice "chemistry?" What are the essential ingredients to lead a group of students through a rigorous discussion on a particular chemical topic? What techniques might be used to cause a group of people to reach to a consensus decision? The authors will alluded to these topics and punctuate their presentation with a series of chemical demonstrations that are not only fun to watch but are entertaining, too. The purpose of such a presentation is to show that a dramatic

demonstration makes the observer pay closer attention and graphically illustrates an otherwise abstract theory. An observer can more easily remember the theory after they have seen it explicitly performed. In this way, Professors Lang and Showalter will show that a person can learn a lot of science, make direct application to various styles of leadership and have fun at the same time. Perhaps, in some small way the "fear factor" associated with chemistry will be diminished.

Concurrent sessions I. (10:00 — 10:50 a.m.)

1. "Hands-On Computer and Calculator Data Collection with Vernier," Robyn Johnson of the Vernier Software & Technology Company

Abstract: This workshop offers participants a hands-on experience collecting and analyzing chemistry data using the Vernier LabPro interface. Participants can use LabPro with computers and/or TI Graphing Calculators to collect data using many sensors such as Temperature, Pressure, pH, Conductivity, and Colorimeters. Training on CBL 2 will also be available. All experiments in the workshop are excerpts from the popular lab manuals, *Chemistry with Computers* and *Chemistry with Calculators*. Whether the chemistry class is high school or college, AP or ChemCom, honors or general chemistry, the instructors will find a large number of experiments that match the scope and objectives of your course. See how this combination of equipment can be used to collect, display, graph, and analyze data. Also, see how this versatile system can be used to conveniently collect remote data outside the classroom.

2. "What Should the High School Chemistry Curriculum Cover?", William J. Pillotte, Newington, CT High School

Abstract: Relevance is important to High school students. Chemistry covers many areas of interest and can be channeled to encompass the environment or medicine and to enrich topics such as music, art, or history. It is most important to give students the tools to figure things out, not lists to memorize. Among these are practice in writing of experiments and learning to see what the data is telling them, rather than forcing it into "what seems to be wanted;" skill in using significant figures, approxi-

mations, and units; use of reference books, journal, articles, and library research; avoiding the misuse of calculators and student overemphasis on "the right answer."

3. "Lessons from History...and Chemistry Lessons", Dr. Leonard W. Fine, Columbia University, New York, NY.

Abstract: Chemistry teachers have always experimented with novel ways of increasing scientific literacy and improving the quality of life in the classroom. History assisted instruction offers exciting opportunities for improving the understanding and, at the same time, for changing public understanding and attitudes about science and technology. Few lessons from history — history — assisted instruction — are as important to chemistry and society as the invention of the electric light bulb and its successful reduction to practice a century ago. It is a lesson that is easily accessible to the student alike the opportunity to teach and learn concepts in context; and, the careers of two of this century's greatest chemists and scientific personalities — Thomas Edison and Irving Langmuir. *Fiat Lux!*

Concurrent Sessions II. (11:00 — 11:50 a.m.)

1. "Continued...Hands-On Computer and Calculator Data Collection with Vernier.

2. "Famous Mad Hatters", Dr. James O'Brien, Southwest Missouri State University, Springfield, MO.

Abstract: The origin of the phrase "Mad as a Hatter" is due to the incidence of odd behavior on the part of workers in the early felt hat industry. Their odd behavior, or "madness", was the result of mercury poisoning contracted on the job. The recent mercury analysis done on the hair of Isaac Newton; the deterioration of the great mind of Michael Faraday; the bizarre behavior of Boston Corbett, the man who shot John Wilkes Booth, the assassin of Abraham Lincoln; and the possibility that mercury poisoning affected the behavior of other famous people such as King Charles II of England, the author William Makepeace Thackeray, and a number of famous artists, such as Rubens, Renoir, Dufy, and Klee, will be discussed. In addition, one eminent female whose health was affected by chemical exposure was Clare Boothe

(continued on page 7)

(continued from page 6)

Luce. Her health problems while serving as U.S. Ambassador to Italy in the 1950's will be discussed.

3. "Flinn Scientific Chemical Safety Demonstrations", Larry Flinn and Mark Meszaros, Flynn Scientific Corporation

Abstract: Enjoy a dozen fantastic demonstrations that teach safety concepts. Need a special demonstration to teach your "visual learners" why they need to wear safety goggles? How about a fun demo to start the year and emphasize your commitment to safety? These demonstrations will not only increase your knowledge of safety topics but will also help your students understand the hazards in a chemistry laboratory. Our ultimate goal is to show students that safety is important.

Lunch and Raffle Drawing I — Door Prizes (12:00 p.m.)

The traditional **High School and College Interface Luncheon** will take place at noon (with Door Prizes). **Dr. John Fortman (Wright State University)** is the keynote speaker, presenting "America's Funniest Chemical Videos: Dazzling Demos and Video-taped Bloopers". Using video excerpts, Dr. Fortman will share analogical demonstrations of everyday applications of chemistry which help in teaching chemistry.

Concurrent Sessions III. (2:00 — 2:50 p.m.)

1. "Chemistry Is Fun", Marie C. Sherman, Science Department, Ursuline Academy, St. Louis, MO.

Abstract: Want to generate interest in chemistry in your elementary/middle schools? See how easy it can be as an experienced demonstrator shows you "How to Do It". The presenter has given over 800 "Chemistry Is Fun" programs in local area elementary and middle schools, and will share all the safe, easy and colorful demonstrations, and techniques for student participation. Proven methods are (1) advertising the program; (2) logistics of materials and equipment; (3) managing the program and the students; (4) getting student aides; (5) evaluations; (6) publicity and politics. The actual program will be given during the presentation, with audience members taking the roles of students.

2. "Textbooks and Computers-What's Next?", John C. Kotz, Department of Chemistry, State University of New York, College at Oneonta, NY.

Abstract: Textbooks and chemical education are changing rapidly. Within the past few years computer software has been developed that allows the student to interact with information in increasingly creative ways. Further, there has been considerable development in multimedia materials and an explosion in the use of the World Wide Web. These developments are leading to innovative ways of teaching chemistry and are having a profound effect on textbooks and their design. This talk will describe some uses of computers in chemical education and will illustrate the discussion with examples from our classroom. It will also survey related developments in chemical education such as lectureless courses and case studies. Finally, we will speculate on the future of textbooks.

3. "Appropriate Assessment and Science Standards", Lucy T. Eubanks, ACS DivCHED Examinations Institute, Clemson University

Abstract: Changes in classroom, district, state, and national assessment practices all reflect the shift away from testing what is easily measured and toward testing what is highly valued. While teachers may embrace the improvements in teaching and learning science that the standards bring, fitting appropriate assessment into the picture can be a challenge. Assessment should provide information that is genuinely useful for measuring and improving learning, while reflecting the content and pedagogical style encouraged by the standards movement. We should still expect students to know the facts of science and traditional assessment tools have probed that knowledge very well. A more difficult task is to measure student gains in science process, including scientific reasoning and understanding. Performance-based assessments based on laboratory learning are particularly important in science, yet time-consuming for the teacher to prepare, administer, and evaluate. This presentation will focus on some practical approaches to assessment of student learning in the era of standards.

Concurrent Sessions IV. (3:00 — 3:50 p.m.)

1. "Do pH in Your Head", Dr. Addison Ault, Cornell College, Mount Vernon, IA.

Abstract: The purpose of this talk is to show how you can estimate the pH of an aqueous solution by thinking about the question right away. All too often our students struggle with problems in which they are to calculate the pH of a solution, and they end up with a number but no understanding. Dr. Ault will show, in contrast, how you can estimate the pH of aqueous solution by starting with an understanding (the Seven Insights) and a few pKa values. He will talk about the following cases: strong acids, weak acids, very weak acids, weak bases, salts of weak acids and strong bases, weak bases, salts of wither a strong acid or a strong base, salts of weak acids and weak bases, the isoconjugate pH, and buffers. The insights are so strong and the math is especially suitable for high school teachers of chemistry, college teachers of chemistry, organic chemists, and biochemists.

2. "A World Class Experience: How to Prepare Students for the US Chemistry Olympiad", Ann Levinson, Chemistry Teacher, Niles West High School, Skokie, IL and Cecilia Hernandez, Education Division, ACS, Washington, DC.

Abstract: The U.S. National Chemistry Olympiad (USNCO), a program of the American Chemical Society encourages thousands of high school students to achieve excellence in chemistry. Each year, more than 10,000 chemistry students take part in a series of qualifying events to determine who will be the "final four" to represent the United States at the International Chemistry Olympiad (IChO). Ann Levinson from Niles West HS, Skokie, IL will present strategies she has used to place students eight times on the Chemistry Olympiad Training Team. Two of these students became gold and silver medalists for the United States. Cecilia Hernandez, ACS USNCO Coordinator, will elaborate on the role of ACS staff, the organization and the success of the program.

(continued on page 8)

(continued from page 7)

3. "JCE: Multimedia Resources for High School Teachers", Dr. John W. Moore and Jon L. Holmes, UW-Madison and J. Emory Howell, University Southern Mississippi

Abstract: Learn how to save time in locating peer reviewed, economically priced resources for chemistry teachers. The Journal of Chemical Education provides a variety of software and online materials designed to complement and expand your existing curriculum including laboratory activities complete with student handouts, demonstrations that are too costly or dangerous to perform in the classroom, and interactive simulations. All of these resources may be located quickly through the JCE HS CLIC Web site for teachers. Many laboratory experiments are available online and may be downloaded for classroom use. In this presentation, we will demonstrate how you can use HS CLIC to quickly locate resources for the topic or concept you are interested in. Additionally, participants will be shown several examples of demonstrations and simulations that are disseminated on reasonably priced CD-ROMs. Participants will receive a packet of sample materials, including an issue of JCE.

Presentation & Reception (4:00 — 5:00 p.m.)

Raffle Drawing II — Door Prizes — Educational Products by the Apple Corporation

AD RATES SET FOR NATIONAL MEETING ISSUE

The American Chemical Society Chicago Section Board of Directors in February approved advertising rates for the special issue of The Chemical Bulletin that will be distributed at the ACS National Meeting Aug. 26-31, 2001, in Chicago.

The newsletter will be distributed to the approximately 10,000 meeting attendees from across the country, double the usual circulation.

The rates for the special issue are:

- Half column (2.333" x 5"): \$300
- One column (2.333" x 10"): \$600
- Two columns (4.917" x 10"): \$900
- Full page (7.5" x 10"): \$1,200

Commitment deadline is June 8. Copy deadline is June 15. Contact the Chicago Section ACS Office at 847-647-8405 or ellen@teianalytical.com for details.

2001: A GRAND CHEMICAL ODYSSEY

33rd Central and 33rd Great Lakes Joint Regional Meeting
June 11 - 13, 2001

The Kalamazoo and Western Michigan Sections of the American Chemical Society invite you to participate in "2001: A Grand Chemical Odyssey" from June 11 - 13 at the Amway Grand Plaza Hotel in downtown Grand Rapids, Michigan. You will join some of the best minds in Education and Industry at the more than 90 technical and poster sessions which will include symposia focused on Education, Food and Agricultural Chemistry, Pharmaceutical Chemistry, and Polymer Chemistry. Highlights of the meeting include five short courses, an undergraduate poster session, vendor exhibits, and daily social events.

Guest speakers will include **US Representative Vernon Ehlers** on the topic of science education; **Dr. Bassam Shakashiri** on "Communicating Chemistry", **Dr. George Vande Woude** on "Biomedical Research: Where Do We Go From Here?", **Dr. Paul Jones** and **Dr. John Giesy** on "Environmental Chemistry and the Great Lakes", and **Helen Free**, ACS Region II Director.

The short courses will include NMR: Basics to Beyond, Hands-On Computers and Calculators for High Schools and College Teachers, P&G Short Course in Problem Solving for Undergraduate Students and High School Teachers, Polymers for High School and College Teachers, and a LabWorks workshop.

Special events will include an opening evening reception, the High School Teacher awards dinner, a tour of the Fredrik Meijer Gardens and the famed Leonardo da Vinci's Horse sculpture, a Regional Directors breakfast, Michigan State University's "Science Theatre", a Women Chemist's Committee Luncheon, and a Student Affiliates mixer. Numerous other entertainment opportunities are available in the Grand Rapids area.

Please visit our website for a detailed program, registration information, and additional, up to date information: <http://membership.acs.org/w/wmi/2001/>

REGISTER TO ATTEND MONTHLY SECTION MEETINGS ON LINE

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REPORT OF COUNCIL MEETING HELD ON APRIL 4, 2001 AT THE SAN DIEGO MARRIOTT

You will remember that in past years Bob Buntrock wrote the report by council. Since Bob resigned his councilor position at the end of 2000, he is no longer able to write the report on the activities of the Council meeting for the Chicago Section. I feel that it is very important that you, the members of the Chicago section, know what transpired at Council, the ACS equivalent of the US House of Representatives.

The national meeting this spring was held in San Diego, CA. Although many of us expected to be warmer in San Diego, it was actually warmer in Chicago. The meeting was attended by over 18,000 people, which meant that this meeting was the second largest National ACS meeting ever held. There were 252 exhibiting companies and > 2000 undergraduate and graduate students at this meeting.

The council meeting was begun by the now customary trumpet fanfare by John Verkade. All 13 councilors from the Chicago section were present at the meeting. The councilors for the section are: Dr. Roy H. Bible Jr. (1964-2002), Dr. Cherlyn Bradley (1993-2001), Dr. Charles E. Cannon (2001-2002), Dr. David S. Crumrine (2001-2003), Mr. Nathaniel L. Gilham (1988-2002), Dr. Russell W. Johnson (2001-2001), Ms. Fran K. Kravitz (1992-2003), Dr. Thomas J. Kucera (1970-2002), Dr. Claude A. Lucchesi (1974-2003), Dr. Barbara E. Moriarty (1996-2001), Dr. Seymour H. Patinkin (1978-2001), Ms. Marsha Anne Phillips (1998-2003) and Mr. Stephen Sichak (1980-2003). Jim Shoffner was present at the meeting as a Director-at-Large, while Ellis Fields was present as a past president of the society. Both Jim and Ellis are exofficio councilors.

Two long-term members of the society and the section, James Doheny and Lloyd M. Cooke were remembered by a moment of silence. Both had served the section well as councilor, as well as in other capacities.

Besides reports from the officers and committee chairs of the Society, at the spring meeting two decisions that have an impact on all members are made by Council. The first is the selection of the candidates for president-elect. The candidates on the Ballot for President-elect will be William F. Carroll, Jr. (Vice President at Occidental Chemical Corporation) and Elsa Reichmanis (Director of

Polymer and Organic Materials Research at Bell Laboratories, Lucent Technology). The second decision is whether to raise dues based on changes in the Consumer Price Index. The council voted to increase dues from \$108 to \$112 for 2002. Note that society dues pay for only about 25% of member benefits. The rest of member benefits are paid for by contributions from ACS reserves.

President Attila Pavlath discussed in his report his attempts to find a committee assignments for all councilors who wanted to serve on a committee. He formed a number of task forces to quickly meet the needs of the Society, while utilizing the talents of those councilors who were not on a committee. One of the task forces formed, was on K-12 Education. Our District Director, E. Ann Nalley, heads this task force, while Marsha Phillips serves on the task force. In action later during the meeting, the council voted to increase the size of standing committees, so that each committee will have a minimum of 12 members and a maximum of 20 members. This only affects the standing committees, not all the committees of the Society.

President Pavlath also discussed his celebration of the 125th anniversary of the American Chemical Society. At the August meeting, here in Chicago, there will be a special exhibit on the most important advancements in the last 125 years. After the Chicago meeting, the exhibit will travel around the country for display at science museums. Congratulations were extended, via video, from Congresswomen Ellen Tauscher (D-California) and Congressman Mike Rogers (R-Michigan), who represent President Pavlath and Board Chair Nina McClelland, respectively. In addition, US President Bush sent a congratulatory letter. Finally, 28 chemical society president from around the world presented their congratulations and gifts. Some of the gifts were quite impressive.

President-elect Eli M. Pearce discussed the new 3-year strategic plan that defines ten strategic thrusts, which focus on the three I's: the **Individual** needs of members, using the **Internet** and **International** collaboration. If you would like to see a copy of the strategic plan contact one of the councilors. Dr. Pearce also discussed improving the interaction between local sections and divisions, and the increased stature of regional meetings.

The Society Committee on Education (SOCED) talked about a symposium they will sponsor at the Chicago meeting entitled, "Ensuring a Helpful and

Safe Food Chain." In addition, they reported that > 700 undergraduate students presented posters at the San Diego meeting. Increased meeting registration fees, instituted two years ago have not seemed to affect the number of undergraduate or graduate students who attend the national ACS meetings.

The Committee on Membership Affairs reported that the ACS had achieved all the goals of the ACS 2000 Membership Campaign. The society had a total of 163,016 members at the end of 2000, with a retention rate of nearly 94%. In addition, the campaign attracted approximately 20,000 younger members. Of the 163,000 members there are approximately 115,000 voluntary memberships in divisions. Approximately 47% of society members belong to at least one division.

The Committee on Economic and Professional Affairs (CEPA) reported that there were 208 employers at the clearinghouse interviewing for 1429 potential hires; there were 897 candidates. This is the first time in recent years that there has been such a good potential hires/candidates ratio. Four reports based on the year 2000 census of ACS members have been written or are in preparation. These reports include ChemCensus 2000, Women Chemist 2000, Industrial Chemist 2000 and Academic Chemist 2000 (to be completed). These are available from the ACS. The 3rd edition of the Academic Professional Guidelines was adopted. Copies of this are also available from the ACS. The ACS is planning to release a new online employment service entitled Job-Spectrum.org, which is expected to compete with current online employment services such as Monster.com. The planned launch date is June 1, 2001.

The Committee on Local Section Activities reported that the theme of the 2001 National Chemistry Week celebration will be Chemistry and Art. There have also been requests to change the dates of National Chemistry Week from early November to late October (so there are no conflicts with Election Day), or to sometime in the spring. Finally, a new section, the 189th, was chartered in Middle Georgia.

The Younger Chemists Committee (YCC) reported that there are now 26 local sections with YCC Chapters. They presented programs at 7 of the 8 regional meetings held in 2000.

Project Seed reported that they have selected 348 Seed I students at 101 institutions and 81 Seed II students at 35 institutions. They also have selected 2001-2002 Project Seed scholarship

(continued on page 10)

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winners. A survey will be sent to Project SEED coordinators and local section chairs to obtain information on local institutions that participate in the program as well as those that are unable to participate. The survey will also determine the needs of institutions and their mentors so that the national office can support the institutions to meet their needs and in turn help to grow Project SEED with the assistance of the local section coordinators. All are urged to consider becoming Project Seed mentors.

The meeting was closed with a reaffirmation of the founding statements of the ACS provided in 1876 in New York, during the term of US President Ulysses S. Grant, to improve the health and welfare of its citizens by advancing chemistry and related professions and its practitioners.

If you have any questions and/or comments about the above actions, please contact me or one of the other counselors.

BARBARA MORIARTY

THE AMERICAN CHEMICAL SOCIETY: ALL THE ELEMENTS FOR SUCCESS!

Conceived with a deep sense of history, the American Chemical Society has made each 25-year period an occasion for commemoration, dedication, and celebration. The next milestone is here — the 125th anniversary of the Society in 2001. The Secretary of the Society has begun the coordination of a Society-wide celebration that will provide our members the opportunity to express continued pride in their Society and its many accomplishments. It is an opportunity to demonstrate to the general public the long-standing importance of the chemical sciences to the quality of life and the central role of the ACS in the advancement of the chemical sciences. Several projects have been planned, and will involve the Society at all levels — local section, divisional, and regional meeting activities; presidential events at national meetings; special features in ACS publications; a history book; traveling and on-line exhibits; and other membership activities.

For more information: ACS 125th Anniversary, Room O-1009, 1155 16th St. NW, Washington, DC 20036 Phone: (800) 227-5558, extension 6070; fax: (202) 872-6338; e-mail: 125@acs.org

GRANTS & SCHOLARSHIPS

Astronomy, Chemistry, Physics Faculty Awards:

The Cottrell College Science Awards program provides summer support for significant fundamental research by faculty in non-Ph.D.-granting departments of astronomy, chemistry and physics. The Research Corp. of Tucson, AZ, coordinates the program. Average award is \$31,000. Deadlines: Nov. 15. <http://www.rescorp.org/>

American Indian Science & Engineering Society Scholarship

The American Indian Science & Engineering Society (AISES) offers the A.T. Anderson Memorial Scholarship to members who are American Indian/Alaskan Native college students pursuing academic programs in the sciences, engineering, medicine, natural resources, and math. Application deadline is June 15. The program was established in 1983 in memory of A.T. Anderson, Mohawk, a chemical engineer who founded AISES with six other American Indian scientists. Contact Shirley LaCourse, 505-765-1052, ext. 14, shirley@aises.org, or Teresa Gomez, 505-765-1052, ext. 15, teresa@aises.org. <http://www.aises.org>

Women's International Science Collaboration Program

The American Association for the Advancement of Science's Women's International Science Collaboration Program aims to increase the participation of women as principal investigators in international research projects. Funded by the National Science Foundation, the program provides grants of up to \$4,000 to individual U.S. women scientists who plan to establish new research partnerships with their colleagues in Central/Eastern Europe and the Newly Independent States of the former Soviet Union. Application deadline is July 15. Contact Karen Grill, 202-326-7027, kgrill@aaas.org. <http://www.aaas.org/international/eca/wisc.shtml>


Astronomy Grants:

The American Astronomical Society (AAS) offers Small Research Grants to Ph.D. astronomers in the range of \$500 to \$5,000 to cover costs associated with any type of astronomical research. The program is funded by a grant from NASA, by income from the AAS operating reserve fund and, in some cases, by the Gaposchkins' Research Fund. Graduate students are not eligible. Astronomers from smaller, less endowed institutions will be given priority, but proposals will be accepted from individuals not associated with an institution. Deadlines: Dec. 7. See <http://www.aas.org>

SCHOLARS PROGRAM LOOKING FOR MENTORS!

The American Chemical Society Scholars Program is now accepting applications for the 2001-2002 academic year. **The deadline is February 15, 2002.** For application packages and more information call 1-800-227-5558, ext. 6250, or e-mail to scholars@acs.org.

Mentors Needed: The American Chemical Society Scholars Program provides more than a stipend check to those students selected to receive the scholarship. We work to identify mentors for each of the students in the program. The program currently includes 284 students, attending 160 different colleges and universities and will expand to 350 students for the 2001-2002 academic year. If you are interested in becoming a mentor for one of our students, please contact the ACS Scholars Program, Department of Diversity Programs, 1155 16th Street, N.W., Washington, DC 20036, or telephone toll-free 1-800-227-5558, ext. 6250, or send an e-mail message to scholars@acs.org.

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HELP WANTED FOR THE ACS NATIONAL MEETING IN AUGUST!

The Host Committee is looking for cheerful and friendly volunteers, chemists or nonchemists, to help staff the Hospitality Suite at the meeting August 26-30. No chemical knowledge is necessary, just a willingness to answer questions and help visitors find their way around Chicago and the meeting sites. Come greet our visitors and share your favorite places in our city.

If you can help us out, please email Susan Shih at shihsu@cdnet.cod.edu or send a note to Fran Kravitz at Chicago Section, American Chemical Society, 7173 N. Austin, Niles, IL 60714. Include an email or return address and phone number as well as when you think you will be available. Please let us know as soon as possible.

We are also looking for restaurant suggestions to publish in the brochure attendees will receive. If you are willing to write a mini review of your favorite restaurant(s) with a general indication of price range, please send it to one of us at the above addresses.

FRAN KRAVITZ AND SUSAN SHIH,
CO-CHAIRS, HOST COMMITTEE

2001 ELECTION RESULTS

The Chicago Section, ACS tells committee met on April 20, 2001 and the following members were elected as Section officers, directors, councilors, and alternate councilors. Thank you to all the candidates for participating, and congratulations to the winners!

Chair-Elect: Susan Shih
Vice-Chair: Russell Johnson
Secretary: Jennifer Horne
Treasurer: Robert Shone

Directors:

Allison Aldridge
Cherlyn Bradley
Angela Kowalski
Fran Karen Kravitz
Barbara Moriarty
Darryl Prater
Michael Welsh

Councilors:

Cherlyn Bradley
Russell Johnson
Barbara Moriarty
Seymour Patinkin

Alternate Councilors:

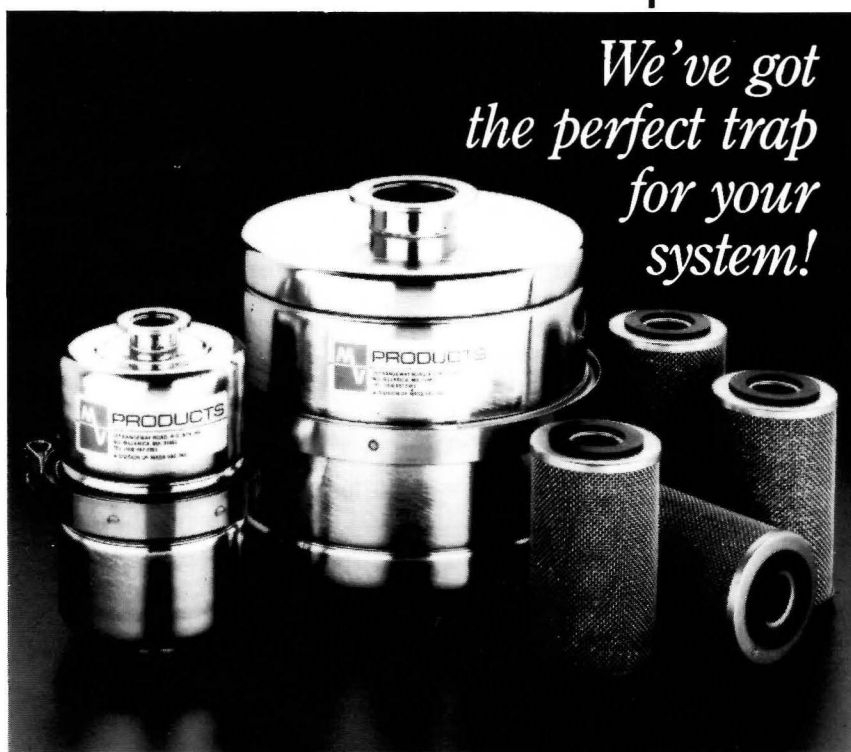
Sanford Angelos
Marilyn Kouba
Margaret Stowell Levenberg
Sharon Northup
Gayle O'Neill

CORPORATIONS DONATE GENEROUSLY TO SCHOLARSHIP AWARD PROGRAM

Scholarship awards for the American Chemical Society Chicago Section's 47th Annual Scholarship Examination in Chemistry are funded by the generous donations of the following companies. The Chicago Section ACS thanks these companies for their support of this important program.

Rohm & Haas First Place Award:	\$5,000
Akzo Nobel Inc. Third Place Award:	\$2,500
The Nalco Foundation Fifth Place Award:	\$1,250
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Unilever	\$1,000
Baxter Healthcare Corp.	\$300

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REPORT FROM NATIONAL MEETING

Board Activities

This was my first meeting since being elected director-at-large. As a board member, I am a member of the Grants and Awards Committee and the Professional and Member Relations Committee. I am still an associate member of COMSCI (Committee on Science) and a member of the Committee on Minority Affairs. In addition to these board-council duties, I am chair of the District V Caucus and chair-elect of the Division of Professional Relations.

As a Director, I participated in the business of the board, as well as in the ceremonies surrounding the 125th Anniversary of the founding of the ACS. These programs were highlighted by a dinner Monday night at which representatives from 28 countries (including Puerto Rico) presented the society with gifts and proclamations. These offerings were on display at the council meeting Wednesday Morning. There was a suggestion that they be put on the internet so that all members who have internet access will be able to see them. I haven't checked to see whether this has in fact been done yet.

President Pavlath sponsored a breakfast honoring all 50 yr members and their guests on Monday morning. It was well attended and the president offered the hope that other presidents will continue it.

Some Highlights

The board voted for three fund authorizations:

- \$100,000 was requested and granted to support ANSI (American National Standards Institute). This program will promote standards for
- \$105,000 was requested and granted for exhibits of "Milestones in Chemistry" for the Chicago National Meeting. These exhibits will represent outstanding industrial technological innovations over the past 125 years.
- \$300,000 was requested and granted for local sections and divisions for stop-gap funding over a 3-yr period. This

money will be available on a justified, as needed basis.

The board has assumed total responsibility for the corpus of the Petroleum Reserve Fund (PRF). Previously, Morgan Guaranty Trust was the trustee and ACS could only spend a certain amount from the earning each year. Now, they will be able to spend up to 5% of the total amount of the corpus. This will result in an immediate increase of ca. 40% in the amount of money available for grants from the fund. This will mean an increase in the funding for research project from ca. \$18 mm to ca \$25 mm annually. It will also allow the PRF committee to make grants for a longer period; 3 yr. vs. 2 yr. under the old rules which prevailed under Morgan's trusteeship.

One of the responsibilities of board members is to serve as presenters of awards on the Annual Award and General Meeting Night, which is always on Tuesday of the Spring Meeting. I was asked to present the "ACS Award for Computers in Chemical and Pharmaceutical Research." to Prof. Martin Karplus of MIT. The Priestley Medal Address is also given at this meeting. The Priestley Medal is the highest honor given by the Society and the Medalist gives his (her) address at the end of the evening after all medals have been presented. I have been a regular attendee for the award ceremonies since 1993. This one was especially moving because not only was it my first as a board member, but our good friend, colleague and past Gibbs Medalist, Prof. Fred Basolo, was the Priestley Medalist. In addition, Prof. Tobin Marks, a Gibbs juror and this year's Gibbs Medalist, received the "ACS Award in the Chemistry of Materials." It was truly a great evening for Northwestern and the Chicago Section!

Concluding

Last but not least, I participated in a symposium on "ChemCensus 2000," the member survey conducted by the ACS Dept. of Career Service every five years. I was in good company as fellow presenters were Michael Heylin, immediate past editor of C&EN, Jim Burke, a

fellow director-at-large and ACS President, Attila Pavlath. The survey has been broken down and published by categories, all of which are available from career services. I attended ceremonies at which my long-time friend and colleague, Tom Kucera, received the Henry Hill Award. No award was ever more fitting or well deserved. Congratulations, Tom— one more time. I am pleased that Barb Moriarty shared a draft of her comprehensive report of meeting activities with me. It meant that I only had to report on those activities in which I was personally involved. Thanks, Barb.

JIM SHOFFNER,
DIRECTOR-AT-LARGE

ACS Legislative Action Network

Have you signed up to be a part of the ACS Legislative Action Network (LAN)? The LAN was established to ensure that our elected officials hear from chemists before voting on issues that impact the profession. Through this Network, ACS members nationwide have an easy and effective way of impacting federal policies ranging from K-12 science education to federal R&D funding. Members participating in the LAN receive timely Legislative Action Alerts via e-mail, approximately 6 times per year, prior to key congressional votes. These alerts include background on the issue, its likely affect on chemists and chemical engineers, and ACS's position. The e-mail messages link members directly to the Legislative Action Center on the ACS Web site, where they can review action alerts, edit sample letters online, and send e-mail messages to their Representative and two Senators within minutes. In addition, Legislative Bulletins are sent monthly to keep Network members up to date on priority issues.

Because members of Congress respond to constituents and value non-partisan technical expertise, local section members are urged to join the Network to ensure that our lawmakers take our views into account before key votes. If you have Internet access, simply send your name, e-mail address, and ACS member number to grassroots@acs.org. You can also sign up on the Web site at <http://www.acs.org/government/action/>. If you have questions, please contact Linda Steinert in the ACS Office of Legislative and Government Affairs office at 202/452-2127.

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SCIENCE POLICY FELLOW PARTICIPATES IN ILLINOIS STATE CAPITOL DAY

People often ask me what kind of experiences brought me to Washington. Well, before starting my term as Science Policy Fellow at the American Chemical Society (ACS), I participated in the Chicago Local Section's grass-roots efforts. I joined the local Public Affairs and Public Relations Committee where I worked with Dr. Jim Shoffner (now on the ACS Board of Directors) and Dr. Barbara Moriarty. Because of my interest in outreach, I corresponded with Illinois-elected officials in both Congress and the state capitol. Whenever ACS issued a policy statement or fact sheet, I forwarded it to the appropriate legislators.

Hence in early March, I enthusiastically accepted the chance to participate in Illinois State Capitol Day with the Chicago Local Section. The event promised participants the opportunity to learn about the ACS Office of Legislative and Government Affairs and about how to become more involved in government relations. For me, it was a chance to act as a constituent while interacting with coworkers from a completely different perspective.

The morning of State Capitol Day, we attended a briefing on the message to be delivered to state legislators. We were asked to focus on Illinois K-12 science education policies and to discuss surrounding issues: the quality of science education, professional development for science teachers, and teacher certification requirements. Then, we were off to apply what we had learned.

While I was waiting to talk with Ralph Capparelli (D), the Minority Leader of the Illinois House of Representatives, I paid a call to Speaker Michael Madigan (D). Though I had an appointment, it was harder to meet with Senator Walter Dudyycz (R) because it was at the end of the day. The legislators grilled me about my neighborhood, joking that it was necessary to "prove" I was a constituent. In the end, they all agreed to carefully consider upcoming education bills and priorities.

The ability of ACS, its local sections, and its members to ensure that state laws and regulations are based on sound science and are supportive of chemists and chemistry is key to the development of quality state policy. Consider making an effort to become involved as a civic scientist. Your local

section is a great place to start.

Catherine Woytowicz

(This article was originally published in The Capitol Connection, April 2001)

2001 KIDS & CHEMISTRY WORKSHOPS

Have you ever been asked by your child's teacher to be a guest at "career day"? Would you like to organize your colleagues to visit schools and do some chemical demonstrations and hands-on activities? Are you interested in trying to improve the quality of science education in your local schools? If you answered yes to any of these questions, then consider attending one of these upcoming Kids & Chemistry workshops. Kids & Chemistry is an ACS program that encourages and supports volunteer scientists doing hands-on science with elementary school children. Workshop participants will learn more about the Kids & Chemistry program, get tips for presenting science activities to young children, sample some age-appropriate hands-on activities, and learn about the variety of resources available from the Education Division. Safety issues and liability will also be covered. Kids & Chemistry workshops will be offered at the Fall National Meeting, Chicago, August 25 - 30, 2001.

Pre-registration is not required for any of these workshops. If you have any questions about these workshops, or if you would like to schedule a Kids & Chemistry workshop for your local section or company, please call the Kids & Chemistry office at 1-800-227-5558, extension 6249.

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, Cheryl 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.


Issue	Deadline
August 2001 (Natl. Mtg. issue)	6/15/01
October 2001	8/24/01
November 2001	9/21/01
December 2001	10/19/01
January 2002	1/23/01
February 2002	12/28/01
March 2002	1/25/02
April 2002	2/22/02
May 2002	3/29/02
June 2002	4/26/02

SMOLER BEQUEST

In 1972 Rachel Smoler established the Marshall S. Smoler Memorial Award. This is a scholarship in the amount of \$200 to be presented to the student in the Chicago Public School system achieving the highest score on the Chicago Section scholarship exam. The award was founded in memory of Rachel's brother who was a teacher in the public school system. Rachel passed away in 1998, and left a bequest of \$5,000 to the Chicago Section to endow this award in perpetuity. The award is to be known as the Marshall S. Smoler Memorial Award by Rachel L. Smoler. The Board of Directors of the Chicago Section has established an endowment fund with this bequest, and the earnings from investment of this fund will be used to finance the annual award. Additional donations to this endowment fund will be welcomed by the Section. The three awards granted in 1999, 2000 and 2001 have been funded from the Section's Scholarship Endowment Fund.

PROJECT SEED HANDBOOK ONLINE

The Project SEED Student, Mentor and Coordinator Handbook, put together by the National ACS Council Committee on Project SEED, is now available online at www.acs.org/education/student/projectseed.html.



DESERT ANALYTICS

LABORATORY

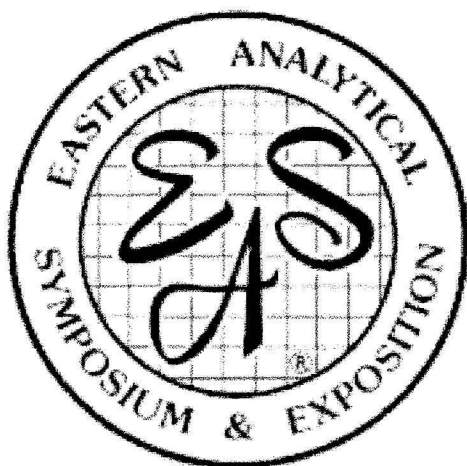
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ANALYSIS FOR THE CHEMICAL ELEMENTS



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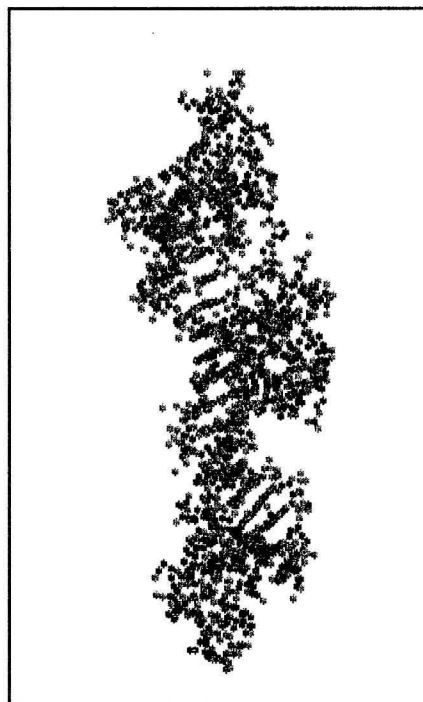
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THE ACS CAN HELP YOU IN YOUR EMPLOYMENT SEARCH

The ACS has a complete department of career services (DCS) to assist people in their employment search including career guidance, salary information, situation want ads, a listing of positions and series of publications. There is also a career program for colleges and universities. The majority of this information can be located on the ACS website. The DCS is located in Washington DC, but the National Employment Service is available at all national meetings, with a regional equivalent service at regional meetings. There is also a local section career program that brings career services to the Chicago Area.

The DCS supports the Career Consultant Program, which consists of a network of people who volunteer to help individuals in their job search. The program tries to match a person with a consultant that may be able to help them the most. If you would like a career consultant, contact DCS.

ACS members can find out salary information to help determine what their worth is, as well as search a listing of available positions called the ACS Job Bank. They can also place a situation wanted in the C&EN. Chicago Area members can check the local website for positions in the area and place a situation ad.

The DCS offers free publications to ACS members on resume writing, interviewing skills, and how to target the job market. They offer a number of other publications on other subjects that may be needed in an employment search.

The local section career program can bring workshops and presentations sponsored by DCS to the Chicago Area. The presentations include "Managing an Effective Job Search," "Strategies for Career Transitions," and "Career Strategies: The 9 Steps for Success." There are a number of workshops available including communication skills and global employment for chemistry professionals. Workshops can also be tailored to fit the local members' interests. The ACS Career Services Catalog lists all the publications, workshops, and presentations available.

We have had several career service events in Chicago and would like to have more. There are some career consultants in our section who participate in local career programs. If you would

like more information on any of the services or are interested in one of the workshops or presentations, please contact the Chicago local section career program coordinator. There is information available to you no matter what stage you are in your career.

ALLISON A. ALDRIDGE
LOCAL CAREER PROGRAM
COORDINATOR

CHICAGO CHEMISTS' CLUB

The Chicago Chemists' Club was chartered December 30, 1919 as a social organization to promote affability and camaraderie among Chicago area chemists. The Chemists' Club roster has always included the leaders of our profession. While most of our members are chemists and chemical engineers, other interested parties are also welcomed to membership.

The Club schedules monthly dinner meetings, usually on the second Wednesday of the month, at different restaurants and clubs in and around the city and suburban area. A typical evening's activity begins with a cocktail hour followed by dinner and an entertaining program. The programs are usually non-technical and are of interest to all in attendance. Current interest topics are often featured as are members of the performing arts. Members are encouraged to bring their spouses and family members, guests or co-workers to meetings. Non-members are also welcome.

Prospective members are invited to attend one regular meeting as a guest of the Club (spouses are our guests for the evening, also). If a guest then wishes to become a member, he or she may so indicate by completing an application for membership. The candidate's sponsor directs this application to the Board of Trustees, who pass upon each application. The annual membership dues are \$50.

Every year, the Club presents the Bernard E. Schaar Award for scholastic achievement to the highest placing scholarship winner of the chemistry examination given by the Chicago Section of the American Chemical Society.

The Club publishes an informal newsletter, The Stirring Rod, as well as a Membership Directory. Further information about the Chicago Chemists' Club is available by calling the Club Office at (847) 647-8405.

TOUR EXPLORES IRELAND'S SCIENTIFIC HERITAGE

Science teachers and nonscientists are invited to explore Ireland's scientific heritage in a tour of the island from June 20 through July 4. Participants will visit science museums, universities, a school, and a distillery. Lectures on topics of special interest will be given at various venues by experts in scientific and other subjects. The tour is arranged by Science History Tours, a nonprofit organization run by Yvonne Twomey of Naperville, IL.

For more information, contact YVONNE TWOMEY at 841 Kinston Court, Naperville, IL 60540, 630-961-9811, ytwomey@mcs.com, or LEE MAREK, 630-420-7516, LMarek@aol.com.



Visit the
Chicago Section

at
<http://membership.acs.org/C/Chicago>

SCITECH

The Science and Technology Interactive Center (SciTech) in Aurora is celebrating its new Outdoor Science Park and the Backyard Monsters and Glass Fest exhibits that opened in 2000. This year, the museum's exhibits include Amusement Park Science and T-Rex: King of the Dinosaurs.

SciTech's Hands On Museum allows people of all ages (individuals, classes, and families) to experience science, mathematics and technology in a fun and interactive way. The museum also offers world-renowned topical traveling exhibitions, hosts science clubs, summer camps, and other educational programs.

SciTech opened to the public in May 1989. A permanent museum site was established at the beginning of 1990. Memberships are available for individuals and families.

The museum is located in downtown Aurora, IL at 18 W. Benton. For additional information, call SciTech at (630) 859-3434. Also visit <http://scitech.mus.il.us/>.

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CHICAGO SECTION, AMERICAN CHEMICAL SOCIETY
THE CHEMICAL BULLETIN
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CALENDAR

June 8, 2001: Chicago-Kent College of Law, Illinois Institute of Technology 20th Annual Conference on Not-for-Profit Organizations. One-day seminar on legal and tax issues. 8:45 a.m.- 4:45 p.m., 565 W. Adams St., Chicago. Early registration cost is \$185. After May 11, cost is \$199. A \$10 discount is available for groups registering three or more people. Cost for graduates of Kent Law School is \$140. <http://www.kentlaw.edu/depts/cle>

June 11-13, 2001: The Joint Central/Great Lakes Regional Meeting will be held in Grand Rapids, MI. For more information contact R. J. McCabe at (616) 392-2375 ext. 2386 or by email Richard.McCabe@wl.com.

June 11-13, 2001: Society of Plastics Engineers Chicago Section. "Hollow Plastic Parts Technology Conference: Know Your Competition," Wyndham Northwest Chicago, 400 Park Blvd., Itasca. Early registration deadline is May 25. For registration information, contact SPE Chicago at 847-991-4629 or SPEChicago@aol.com. <http://www.4spe.org/sec02.html>

June 22, 2001: The Chicago Section American Chemical Society presents the Annual Education Night. For additional information call the Section Office at (847) 647-8405.

June 23, 2001: The next Chicago Section Long-Range Planning Committee meeting will be held at the Section Office at 10 a.m.

June 24-28, 2001: The American Society for Testing and Materials (ASTM) Committee D19 on Water will meet at the Crowne Plaza in Richmond, VA. For further information, contact Bruce Noe at (610) 832-9719, bnoe@astm.org.

June 25-29, 2001: The international microscopy meeting, INTER/MICRO-2001, sponsored by McCrone Research Institute, will be conducted at the Knickerbocker Hotel in Chicago. For further information, contact Nancy Daerr at 312/842-7100, ndaerr@mcri.org.

August 25-29, 2001: The American Chemical Society will hold the 222nd National Meeting in Chicago, IL. For more information contact the ACS at (202) 872-4396 or <http://www.acs.org/meetings>.

September 11-13, 2001: The American Society for Testing and Materials (ASTM) will offer a technical and professional training course, "Gasoline: Specifications, Testing and Technology", at its headquarters in West Conshohocken, PA. To register or for a free brochure, contact Eileen Finn at (610) 832-9686 or visit the ASTM home page at www.astm.org.

September 21, 2001: The Chicago Section American Chemical Society's monthly meeting. For additional information call the Section Office at (847) 647-8405.

October 19, 2001: The Chicago Section American Chemical Society's monthly meeting/Joint meeting of Northwestern University: Basolo Medal Award Lecture. For additional information call the Section Office at (847) 647-8405.

November 16, 2001: The Chicago Section American Chemical Society's monthly meeting. For additional information call the Section Office at (847) 647-8405.

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