heCHEMICAL bulletin

NOVEMBER • 2000

CHICAGO SECTION AMERICAN CHEMICAL SOCIETY Joint Meeting of University of Chicago Department of Chemistry and the Chicago Section ACS

Stieglitz Award Lecture, Dinner and Presentation

FRIDAY, NOVEMBER 17, 2000

Hyatt at University Village Grand Ballroom 625 S. Ashland Avenue Chicago, IL

DIRECTIONS TO THE MEETING

From the West: Take the Eisenhower Expressway (290). Exit at Ashland-Paulina (exit 28B) and turn right at second light. This is Ashland Avenue. Make your right turn onto Ashland from center lane and get into left lane as soon as possible. The Hyatt is located on the southeast corner of Ashland and Harrison off to your left. Go past the traffic light at Harrison and use the leftturn bay that will lead you right into the Hyatt entrance for valet parking.

From the East: Take the Eisenhower Expressway (290). Exit at Ashland-Paulina (exit 28B) and turn left at traffic light onto Ashland. After making turn go just pass second light at Harrison and turn into Hyatt as described above.

Parking: Valet parking is free to ACS members attending the meeting.

Public Transportation: The Hyatt is in the vicinity of UIC, which is served by bus and rapid transit transportation. The Cermak-Douglas Blue Line that runs to O'Hare Airport has a Medical Center stop right on Polk Street. There is also regular city bus service on Ashland Avenue.

TOPICAL MEETING

5:30 PM

Catherine Woytowicz, Ph.D., Science Policy Fellow of the American Chemical Society will present a talk entitled "A



Year on the Hill: The ACS Science Policy Fellowship Experience."

Please see page 2 for more details.

The Younger Chemist Committee and the Public Affairs Committee are cosponsoring the November topical meeting.

RECEPTION AND SOCIAL HOUR 6:00- 7:00 PM

Cash Bar Available

DINNER

7:00 PM

Dinner reservations are required and should be received in the Section office by Noon, Tuesday, November 14, 2000. For details and the dinner menu please see page 2.

PRESENTATION OF STIEGLITZ LECTURE 8:00 PM

Dr. Joanna Fowler of Brookhaven National Laboratory (BNL) will present the Stieglitz Lecture this year. The title of her Stieglitz Lecture is "Imaging Drug Action in the Brain."

Abstract: It has taken many years to conceptualize addiction as a disease of the brain rather than a lack of will power or a voluntary pursuit of pleasure. We have used Positron Emission Tomography, (PET) a medical imaging method, to learn why drugs are pleasurable and what changes in the human brain lead to the loss of control which characterizes the addicted individual. PET technology allows us to image the movement of drugs in the human brain and also their effects on many biochemical systems including those that are involved in reward and the sense of well being. Human PET imaging is possible because of the availability of radioisotopes of short half life like carbon-11 (half-life: 20.4 minutes) and fluorine-18 (half-life: 110 minutes) and advances in chemistry which allow us to visualize the neurotransmitter systems which are at the heart of an individual's sense of reward and well being. This topic cuts across the medical specialties of neurology, psychiatry, cancer and heart disease because of the high toll that drugs of abuse, including and especially the legal drugs, cigarettes and alcohol take on society. This lecture will highlight advances which PET

(continued on page 2)

(continued from page 1)

imaging has brought on understanding how drugs of abuse affect the human brain.

Speaker Information: The title of Dr. Fowler's talk, "Imaging Drug Action in the Human Brain," is an indication of the frontiers that are being pushed back in the area of in vivo studies of the physiological activity in intact organisms. She has been a pioneer in this field using positron emission tomography (PET) and her work has been cited and published widely, not only in scholarly scientific journals, but in magazines devoted to the popularization of science. For example, her work on the measurement of the levels of monoamine oxidase (MOA) in the brains of smokers was described in an article on the brain in the January 1997 issue of Discover Magazine. Work on the brain by her group and several others was cited as one of the top 100 science stories of 1996.

In order to carry out her work she has had to develop techniques for the synthesis and manipulation of molecules containing short lived isotopes. This has led her into studies in organic synthesis, including studies in organofluorine chemistry, carbohydrate chemistry, and radiolabeling studies of organic molecules. She has studied the practical applications of these molecules to solving problems in biology and medicine. These problems have been wide ranging, including in vivo studies of neurotransmitter activity, neurodegeneration, drug metabolism and the evaluation of enzyme levels and activities.

More specifically, her contribution toward synthesis of F(18)-fluorodeoxyglucose, which is the positron emitter most often used in PET imaging, profoundly accelerated the use of this technique. She has done work with C(11)-cocaine in the human brain, mapped MOA using a radiolabeled antiparkinsonian drug, as well as deuterium isotope studies. Her work on the mechanism of addiction to cigarettes has opened new possibilities for the treatment of this problem.

Dr. Fowler has received many awards and recognition for her work, including the Jacob Javits Investigator Award in Neurosciences (1986 and 1993), the Esseln Award of the Northeastern Section for "Chemistry in the Public Interest (1988), the Brookhaven National Laboratory (BNL) Award for R&D (1994) and the Garvan-Olin Medal of the American Chemical Society in 1998. She received her B.A. from the University of South Florida in 1964 and her Ph.D.in organic chemistry from the University of Colorado in 1967. After doing postdoctoral research at the University of East Anglia, she joined BNL. She has published more than 300 papers and been granted six patents for her work. Since 1994 she has been the Director of the Cyclotron-PET Progam at BNL.

TOPICAL GROUP MEETING INFORMATION

"A Year on the Hill: The ACS Science Policy Fellowship Experience"

Abstract: As the Science Policy Fellow, I have worked on the Science & the Congress Project, an educational endeavor of the ACS which conducts seminars and briefings that explore the science underlying a wide range of critical issues before Congress. Spending time on Capitol Hill provides a view of science that can't really be gained anywhere else. This talk will describe the process of bringing scientific issues to the Hill and the fellowship experience in general.

Speaker Information: Chemist, writer, and teacher. Catherine Wovtowicz joined the staff of the American Chemical Society's Office of Legislative and Government Affairs for one-year as the ACS's Science Policy Fellow. She has now been renewed for a second term. She works on the Science & the Congress Project, an educational endeavor of the ACS which conducts seminars and briefings that explore the science underlying a wide range of critical issues before Congress. Three tracks - environment, education, and broad interest - provide opportunities for members of Congress and their staffs to gain a greater understanding of the science behind health, education, technological innovation, environmental regulation, and economic growth.

When she applied for the Fellowship, Catherine was teaching organic, forensic, and nursing chemistry at Loyola University of Chicago and Oakton Community College. At Loyola University, she supervised research in chemical education and mentored a Laura L. Mayer Internship fellow (part of the Women in Science Enabling Research Program - WISER). Catherine is a member of both the PAC and YCC and was very active with both committees before receiving her appointment as a fellow. Catherine received her Ph.D. from the University of California at Riverside. Her ABH in Chemistry with a minor in Physics is from the Honors Program at Loyola University of Chicago.

DINNER INFORMATION

Menu: Cream of Mushroom Soup, Caesar Salad with Parmesan Peppercorn Dressing, Choice of Lemon Parmesan Chicken or Grilled Filet of Hawaiian Mahi-Mahi, Fresh seasonal vegetables and the chef's selection of rice or potato, rolls and butter, Southern-style Pecan Pie, and beverage. A Vegetarian Pasta Primavera entree is available upon request at the time of reservation.

Dinner reservations are required and should be received in the Section office (847/647-8405) by noon on Tuesday, November 14, 2000. The cost to Section members, their guests and visiting ACS members is \$35.00. The cost to non-Section members is \$37.00. The cost to students and unemployed members is \$17.50. Seating will be available for those who wish to attend the meeting without the dinner. PLEASE HONOR YOUR RESERVATIONS. We must pay for all dinners ordered. Noshows will be billed.

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THE STIEGLITZ LECTURE FOR 2000

The University of Chicago and the Chicago Section of the American Chemical Society are pleased to present the Stieglitz Lecturer for 2000, Dr. Joanna Fowler of Brookhaven National Laboratory. Dr. Fowler has carried out pioneering work in the synthesis of short-lived isotopes, applying them to the study of the physiology of the human brain by positron emission tomography (PET). She has been able to characterize and compare normal and diseased states and relate them to various metabolic processes. Dr. Fowler, the 54th Stieglitz Lecturer, is the second woman to be so honored, the first being Dorothy Wrinch in 1947.

The University of Chicago and the Chicago Section have sponsored the lecture in alternate years since it was first established in 1939. The story of how the award was established along with a short biographical history of Dr. Stieglitz has appeared many times over the years in the "Chemical Bulletin." This year will mark the first time that we have hosted the lecture since 1994. The lectures were suspended that year for a period of five years and reinstituted last year when Frederic Menger spoke as the lecturer at the University of Chicago.

One difficulty that arises when there is joint sponsorship of an event is that maintaining an up-to-date record can be a challenge. In order to overcome this difficulty we have assembled a list of all previous lecturers. We did this several years ago with the help of Ron Sykstus and staff in the UC Chemistry Dept. We are publishing a complete list of the lecturers in the "Bulletin" for the first time in recent memory. It is important for two reasons; first it lets us see that the lecturers have been a very distinguished group of chemists from a broad range of chemical disciplines, with a majority being organic chemists. This is to be expected, since Stieglitz himself was an organic chemist. Second, we need to know who has been chosen in order to avoid duplication. I suppose no great harm would be done other than embarrassment if a lecturer was invited back a second time, but I am sure that this was not the intent of the original sponsors.

Jim Shoffner

Who Was Julius Stieglitz?

In 1849, Edward Stieglitz, a native of Thuringia, Germany, came to the United States, married, and settled in Hoboken, New Jersey. Three boys and three girls were born to the couple. The oldest boy, Albert, became an internationally known photographer. The other two boys were twins: Julius, the chemist and Leopold, a doctor. Apparently the senior Steiglitzs were not poor. When the older children reached school age, the family moved to New York, to assure each child a better education, and when they reached the age for secondary schooling, they returned to Germany, where the boys attended Real Gymnasium in Karlsruhe. Then Leopold went to Heidelberg for medicine, while Julius chose chemistry and went to the University of Berlin, where he received his doctorate in 1889.

After a short time with Victor Meyer in Gottingen, Julius returned to the U.S. in 1890, going to Clark University, Massachusetts, and, in the same year, to Detroit as a toxicologist for Parke Davis, & Co. In 1891, he married Anna Marie Stieffel of Karlsruhe, who had remained in Germany until this time. In 1892, he came to the University of Chicago as a docent, lecturing without salary, his only compensation from contributions by the students. In 1893, he became an Assistant; then Instructor, Assistant Professor, and Associate Professor. In 1905, he was named Professor, in 1912, Director of University Laboratories, in 1915 Chairman of the Chemistry Department. In 1933 he was named Professor Emeritus, but continued to serve until his death in January, 1937. Along the way, he collected a D.Sc. from Clark University (1909), and a Ph.D. from the University of Pittsburgh (1916).

Does he-sound like a "drag"? According to the files at the Section office, this was far from the truth. He was interested in spectator sports, especially horse racing and boxing, and participative sports, especially golf. His hobbies included art, music (he played the cello), and photography. All this was in addition to his work as a chemist, as a research scientist, as an author, above all as a precise but interesting lecturer who held the attention of h!s students and assisted and directed them to help them reach the goals they aspired to.

He was a loving father — .daughter Hedwig and son Edward both entered the field of medicine. Hedwig married a doctor and Edward became Associate Clinical Professor at Rush Medical ColNovember 2000 Vol. 87, No. 8 Published by the Chicago Section of The American Chemical Society, Fran Sanford Angelos, Barbara Moriaty, Editors; Gayle E. O'Neill, Business Manager. Address: 7173 North Austin, Niles, Illinois 60714. 847/647-8405. Subscription rates: \$15 per year, \$15 outside North America. Frequency: monthly-October thru June

lege, in Chicago. Stieglitz's activities did not prevent his participation in civic affairs. In 1917, when the United States entered World War I and any chemicals we might have been receiving from Axis countries were cut off, this American of German parentage found time to give to the development of much-needed industrial and pharmaceutical chemicals.

He joined the ACS and the Chicago Section in 1901. In 1904, he was Section Chairman, and in 1917 he was elected President of the ACS. He guided the development of the Willard Gibbs Award, and received the medal himself in 1923. In 1980, posthumously, he was given our Distinguished Service Award.

CHICAGO CHEMISTS' CLUB

The Chicago Chemists' Club was chartered December 30, 1919 as a social organization to promote good fellowship and camaraderie among Chicago-area chemists. The social calendar of the Chemists' Club includes ten dinner meetings per year. In addition weekend events include a spring theater party, an annual dinner dance and a summer outing. The dinner meetings are on the second Wednesday of the month at various restaurants in the Chicago metropolitan area. The program include a variety of delicious cuisines, and timely, stimulating speakers, ethic music and dance and other exciting types of entertainment.

Membership is open to all persons interested in chemistry and its application. Prospective members are invited to attend one regular club meeting to learn more about the Club. A person wishing to join the Club must be sponsored by an active member and complete an application. Membership dues are \$50.00 per year. The Chicago Chemists' Club provides to its members dinner price reductions, a newsletter entitled, The Stirring Rod," and a biannual Membership Directory.

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2000 FORTY SIXTH ANNUAL SCHOLARSHIP EXAMINA-TION IN CHEMISTRY

The Chicago Section, American Chemical Society: High School Education Committee sponsored the annual scholarship examination in Chemistry at Loyola University on May 6, 2000. A total of 102 students were nominated to take the exam. Each chemistry teacher could nominate up to two students. Dr. Daniel Graham of Loyola University wrote and graded the exam. He enjoyed the experience of working with very accomplished high school students. He intended the exam to be interesting and challenging and thought that the students found both parts challenging. There was a range of performances, many of which impressed him. He was particularly pleased how the vast majority of students showed a real grasp of fundamentals--stoichiometry, electronic structure, and thermochemistry. This speaks well of both the students and their teachers. There were a few superstars as well. His wish is that they pursue science in college and beyond, for they will be able to contribute significantly.

The Chicago Section ACS would like to thank Dr. Daniel Graham and Loyola University for writing, grading and hosting the exam.

The following awards were presented to students. Funds for the awards were contributed by the chemical industry and by individuals. Each teacher nominating a winning student received \$100.00. Honorable mentions were automatically nominated for the two \$1000 scholarships offered by the Chemical Industries Council of the Midwest and the Chicago Drug and Chemical Association.

PRIZE FIRST \$5000	WINNER Tom Wojcik	SCHOOL & TEACHER Maine East H. S.
ROHM & HASS	8803 Carleah #2N,	Tina Sabatello
AWARD	Des Plaines, IL 60016	
SECOND	Alexander Makedonski	Niles West H.S.
\$3000 AWARD	(Sophomore)	Ann Levinson
	6421 N. Longmeadow	
	Lincolnwood, IL 60712	
THIRD \$2500	Pericles Abbasi	Fenwick H.S.
AKZO NOBEL	(Sophomore)	Ramzi Farran
AWARD	1704 N. Neva Ave.,	
	Chicago, IL 60707	

FOURTH \$1500	Jason Fitterer	Naperville Central H.S.	Da
AWARD	1108 Muirhead Ave.,	Steve Wiesbrook	12
	Naperville, IL 60565		Na
FIFTH \$1250	Jeffrey Zheng	Niles North H. S.	Jc
NALCO AWARD	(Sophomore)	Najwa B. Dajani	1
	3840 Fargo Av.,		Lo
	Skokie, IL 60076		
			C
MARIE LISHHKA	Heidi Park (Sophomore)	Maine East H.S.	31
AWARD	9923 Huber Lane,	Tina Sabatello	W
\$500	Niles, IL 60714		
			М
MARSHALL S.	Asma Arayan	Lincoln Park H.S.	58
SMOLER	(Sophomore)	Judith Ditkowsky	М
\$200 AWARD	4432 N. Kimball Avenue		
	Chicago, IL 60625		Н
CLARK REFINING	David Raines	H. L. Richards H.S.	11
AND MARKETING	(Sophomore)	John Brodemus	Ν
SCHOLARSHIP	10721 S. Kenton,		
\$1000 AWARD	Oak Lawn, IL 60453		M

The Marie Lishhka Award was given to the highest scoring female in the examination. The Marshall S. Smoler Award was given to the highest-scoring Chicago Public High School Student. The award is given to the student only. His sister, Rachel, established this award in 1972 in memory of Marshall S. Smoler. Mr. Smoler was a teacher of chemistry in the Chicago public schools for many years. The Clark Refining and Marketing Scholarship Award is given to the highest scoring student from either Alan B. Shepard, D.D. Eisenhower, Harold L. Richards or Polaris High Schools from the Blue Island area.

CONTRIBUTORS TO THE SCHOLAR-SHIP EXAM ARE: Abbott Laboratories, Akzo Nobel Inc., Baxter Healthcare Corp., Clark Refining and Marketing, Inc., Rohm & Haas, The Nalco Foundation, Searle Pharmaceutical, Rachel Smoler, Unilever (Helene Curtis),

HONORABLE MENTIONS LISTED IN ALPHABETICAL ORDER

(These students were	the next highest
performers.)	
WINNER	SCHOOL & TEACHER
Aniruddha Chatterjee	Naperville Central H.S.
(Sophomore)	Attiya Mobin-Uddin
1707 Beloit Dr.,	
Naperville, IL 60565	
Alice Ching (Sophomore)	Libertyville H.S
1707 Beloit Dr.,	Peter Dawson
Naperville, IL 60565	
Linsay Cole (Sophomore)	New Trier H.S.
1707 Beloit Dr.,	Gillian H. Thomsen
Naperville, IL 60565	

Danny Elegant (Freshman) 1212 Foxtrail Ct., Naperville, IL 60540

Steve Wiesbrook

Naperville Central H.S.

Willowbrook H.S.

Bernadine S. Wysocki

Wheaton North H.S.

Cathy Ingram

Niles West H.S.

Naperville North H.S.

Carl Sandburg H.S.

Jim Katsenes

Carmel H.S.

Marianne Barker

Naperville North H.S.

Naperville North H.S.

Robert R. Schmitt

Walter Pape

John Gridley

New Trier High School

Neugua Valley H.S.

Kendra Anderson

Willowbrook H.S.

Bernadine S. Wysocki

Beverly George

Beverly George

Ann Levinson

loseph Essenburg (Sophomore) I S 524 Fairview, _ombard, IL 60148

Christopher Grobe (Sophomore) 313 Ellis Ave., Wheaton, IL 60187

Michael Hui (Sophomore) 5833 Keeney St., Morton Grove, IL 60053

Henry Jia (Sophomore) 118 Douglas Ave., #6, Naperville, IL 60540

Matthew Kish (Sophomore) 15409 Linden Dr., Oak Forest, IL 60452

Paul Kizior (Sophomore) 22500 W. Muriel Cir., Deer Park, IL 60010

Gordon Lin (Sophomore) 1664 Apache Dr., Naperville, IL 60563

Ken Lin (Sophomore) 985 Collingwood Dr., Naperville, IL 60540

Michelle McCully Oak Park & River Forest H.S. (Sophomore) Douglas T. Hunt 531 Monroe Ave. River Forest, IL 60305

Jeremy Nueman (Freshman) Naperville Central H.S. 1552 Warbler Shari Vetter Naperville, IL 60565 Patrick Rvan (Sophomore) Loyola Academy

626 Smith Ave. Lake Bluff, IL 60044

Alex Slack (Sophomore) 1409 Asbury Winnetka, IL 60093

Brad Swinson (Sophomore) 3412 Shire Ct., Naperville, IL 60564

David Swiston (Sophomore) 239 N. Harvard Ave. Villa Park, IL 60181

Yi Yan (Junior) 1403-A North Harlem Ave. Oak Park, IL 60302

Sophy Zheng (Sophomore)

438 N. Harvey Ave., #2

Oak Park, IL 60302

Oak Park & River Forest H.S. Marlene Rubinow

> Oak Park & River Forest High School Douglas T. Hunt



A SILICATE GARDEN

Kids, have you discovered the colorful rocks that grow into underwater stalagmites yet? The ingredients for making your own silicate or crystal garden are a bit too exotic for you to find around the house or in the grocery store. Your best bet is to go to your favorite toy store and look for a product from Craft House called "Magic Rocks".

Follow the instructions very carefully. In fact, they say that an adult partner is needed if you are not 10 years old yet. We'll give you a bit more of a scientific explanation here of what you'll observe happening. You'll first place the "magic rocks" into the bottom of a container and then pour a "magic solution" over them. The rocks are actually chunks of chemicals such as iron chloride (FeCl3), cobalt chloride (CoCl2), copper sulfate (CuSO4), manganese sulfate (MnSO4), and iron sulfate (Fe3(SO4)2). Chemists call compounds like these transition metal salts. They are indeed salts but they are not edible so don't even think about it! The colors of these particular salts are, respectively, yellow, purple, blue, pale pink, and green. There might be different salts, and therefore different colors, in your set. These are just examples. The solution is sodium silicate, also sometimes called "water glass". What you are making is a structural precipitate and they are quite complex. The iron chloride salt, for example, changes by chemical reaction with the sodium silicate to a mixture of iron silicates and iron hydroxide. This mixture is gel-like But the gels will change their texture to become more crystalline and brittle after awhile.

An air bubble usually caps the slender shoots that form at first, so look carefully. They move jerkily, from one side to another. An elastic gel-like membrane is actually forming and breaking here.

If your set doesn't seem to work very well it might mean that the sodium silicate solution has degraded a little bit, especially if the set is old. Most transition metal salts shouldn't be affected by time, though.

References: T. H. Hazlehurst, J. Chem. Ed. 1941, p. 286. B. Z. Shakhashiri, "Chemical Demos: a handbook for teachers of chemistry", 1983, vol. 3, p. 379.

Written by: K. A. Carrado, Elementary Education Committee.

STIEGLITZ LECTURERS, 1940 — 2000

Lecturer	Year
Edward A. Doisy	1940
Fred C. Koch	1941
Carl S. Marvel	1943
Linus Pauling	1944
William Draper Harkins	1945
Don M. Yost	1946
Dorothy Wrinch	1947
Vincent du Vigneaud	1948
E. S. Cohn	1949
Herman I. Schlesinger	1950
Christopher K. Ingold	1950
Robert B. Woodward	1952
Frank R. Mayo	1953
Paul D. Bartlett	1954
Frank C. Westheimer	1956
Henry B. Hass	1957
Herbert C. Brown	1958
H. A. Lardy	1959
Louis P. Hammett	1960
Nelson J. Leonard	1962
William S. Johnson	1963
Paul Doty	1964
Charles C. Price	1965
H. Gobind Khorana	1966
William von Eggers Doering	1967
George Hammond	1968
D. J. Cram	1969
Jerome A. Berson	1970
Carl Djerassi	1971
Jerrold Meinwald	1972

Past "ChemShorts" are on the internet at: http://membership.acs.org/C/Chicago/ChmShort/kidindex.html

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Lecturer	Year
Andrew Streitwieser	1973
Derek H.R. Barton	1974
E. J. Corey	1975
Bengt Samuelson	1976
James Collman	1977
Joseph Chatt	1978
Gilbert Stork	1979
Robert H. Abeles	1980
Barry Trost	1980
Roald Hoffman	1981
Yoshita Kishi	1982
David Evans	1983
W. Clark Still	1984
Malcom Green	1985
Ronald A. Hites	1988
R. Ernst	1989
George Olah	1990
George Whitesides	1991
William Jorgenson	1992
Peter Kim	1993
Tobin Marks	1994
Frederic Menger	1999
Joanna Fowler	2000

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FRED BASOLO TO RECEIVE 2001 PRIESTLEY MEDAL

Fred Basolo, Professor Emeritus of Chemistry, Northwestern University, will receive the 2001 Priestley Medal, the highest honor awarded by the American Chemical Society. Dr. Basolo will receive the medal at the Spring 2001 ACS National Meeting.

Dr. Basolo is noted for his pioneering work in the field of inorganic chemistry which has greatly expanded the understanding of how coordination chemistry influences chemical reactions. His textbooks, "Coordination Chemistry" and "Mechanisms of Inorganic Reactions" have been translated into nine languages and are the foundation of current inorganic chemistry.

The Priestley Medal was established in 1922 to commemorate the work of Joseph Priestley and is given annually for distinguished service to chemistry.

Congratulations Fred!



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FOR THE BULLETIN US CHEMISTRY OLYMPIAD

The Chicago Section supported the US Chemistry Olympiad again this year. Under the direction of Dr. David Crumrine both rounds were held at Loyola University. On March 11, 2000 the search for potential nominees took place. About thirty students took a two hour exam to identify our top students. The students qualifying to take the challenging five hour exam on April 15, 2000 were

Antonios Giannopoulos from Fenwick High School

Kiran Madhav from Niles West High School

Jasmy Methipara from Maine West High School

Pavel Shostak from Niles North High School

Tony Thomas from Niles West High School

Monica R. Walker from Carl Sandburg High School

Dawson Wong from Whitney Young High School

Thomas Zacharia from Fenwick High School

Although no one from the Chicago area made the US Chemistry Olympiad team this year, three of the above students earned certificates of honor:

High Honors — Dawson Wong Honors — Kiran Madhav and Tony Thomas

The Chicago Section would like to thank Dr. David Crumrine and Loyola University for sponsoring the competition this year.

Ann Levinson Chair-High School Education Committee

NEEDED MEMBERS то HELP WITH THE CHEMICAL BULLETIN

The Chemical Bulletin needs your help. Do you see ways that the Chemical Bulletin could be improved and would like to help in that regard? Are you a good writer who would like to contribute articles for publication to chemists around the Chicago area? Are you interested in layout? Do you want to make your newsletter, The Chemical Bulletin, the best section newsletter in the ACS? If you answered yes to any of those questions. The Chemical Bulletin needs you. Please contact me via email at bmoriarty@nalco.com.

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CALENDAR

October 27, 2000: The Department of Chemistry at Northwestern University will host the ACS Inorganic Chemistry Award Seminar, sponsored by Aldrich Chemical Company. The speaker will be Edward I. Stiefel of Exxon Corporation. The title of his lecture is "Transition Metal Sulfur Chemistry: Fundamental Redox and Reactivity Trends and their Exploitation in New Technology." The lecture will begin at 4:00 P.M. in Tech Lecture Room 3 at Northwestern University. For more information visit http://www.chem.nwu.edu/calendars.

November 8, 2000: The Chicago Chemists' Club will meet at Wing Hoe Restaurant in Chicago. The social hour will start at 6:00PM and dinner will be at 7:00PM. The speaker will be Professor Thomas Lindblade, Emeritus Professor of Geography at the College of Dupage, who will present a video on "Wildest Africa, Zimbabwe to Botswana." For more information contact Walter Kramer at (847) 967-8457.

December 15, 2000: The Chicago Section American Chemical Society presents the Annual Holiday Party at Monastero's Resetaurant in Chicago. The speaker will be John J. Fortman of Wright State University who will present a lecture entitled "The Serious and Delirious Use of Chemistry in Movies." For additional information call the Section Office at (847) 647-8405.

January 19, 2001: The Chicago Section American Chemical Society will meet at Steven's Restaurant in Elmhurst. The speaker will be Mark S. Konings of 3M, who will present a lecture entitled, " The Art of the Brew: The History of Beer Brewing." For additional information call the Section Office at (847) 647-8405.

February 23, 2001: The Chicago Section American Chemical Society will meet at Ann Sather's Restaurant in Chicago. The speaker will be Shahna Richman of the FBI, who will give a lecture entitled, "Biological Weapons and Causes of Death." For additional information call the Section Office at (847) 647-8405.

March 23, 2001: The Chicago Section American Chemical Society and the Public Affairs Committee will celebrate the presentation of the Public Affairs Award. For additional information call the Section Office at (847) 647-8405.

April 20, 2001: The Chicago Section American Chemical Society will celebrate the presentation of the Distinguished Service Award. The speaker will be Allan Hedges of Cerestar, Inc. who will present a lecture entitled "Industrial Applications of Cyclodextrins." For additional information call the Section Office at (847) 647-8405.

May 18, 2001: The Chicago Section American Chemical Society will celebrate the presentation of the Willard Gibbs Award. For additional information call the Section Office at (847) 647-8405.

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.