

St. Louis Section, American Chemical Society



## Dr. Samuel Miller Tuthill (1919 - 2005)

Message from the Incoming Chair...

Looking ahead to 2006, the section has already planned many activities. The section will host the traditional awards ceremonies, banquets, and professional activities, but will also hold events that will appeal to a broad audience and provide networking opportunities. In the last few years the section has organized more general meetings and social functions in an effort to provide programming that will appeal to the broader membership. One of my goals for 2006 is to continue to lead the section in providing opportunities for networking and socializing amongst our members.

Many of the activities that we sponsor require significant member participation in order to be successful. We have a particular need for science fair judges and volunteers for our outreach programs such as Kids N' Chemistry, Career Awareness Fair, and National Chemistry Week, just to name a few. I see these events as opportunities for us to interact with the public in a positive way. We promote the benefits of chemistry in our everyday lives, but we also show that chemistry can be fun! I would encourage our members to consider lending a hand during these and other events. It is very rewarding to work with the public, especially the children. A second goal for my term is to increase member participation in our outreach programming.

Evaluation of the section's finances this year indicated that we need to work harder to maintain a balanced budget. To this end, a group has formed to discuss new strategies with our budgeting process so that we can maintain good financial standing. I would like to increase the amount of funds that are raised this year from outside of our regular dues and national allotments. My last goal for 2006 is for the section to move forward in adopting strategies that will help us maintain a balanced budget.

Finally, I would like to thank all of our members who have agreed to serve on the various committees, as officers, and as volunteers. I look forward to working with all of you as we head into 2006.

Alexa Serfis Chair, 2006 St. Louis Section of the American Chemical Society

# **Chemical Bond**

#### Volume 57

#### No. 1

#### January, 2006

The *Chemical Bond* is published in January Through May and September through December by the St. Louis Section-American Chemical Society. It is mailed free of charge to members of the section at their address on file at ACS National Headquarters. Changes of address for members will be made automatically upon notification to National ACS Headquarters; send old address and new address with zip codes to ACS Subscription Service Department, 1155 16th St. N.W., Washington, DC 20036 or visit chemistry.org, log in, and go to Update my Profile. Allow eight weeks for change to take effect.

The domestic subscription rate for non-members/affiliates is \$8.00 per year. Subscription orders and changes of address for non-members/affiliates should be mailed to the editor.

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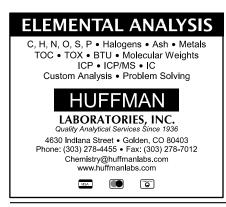
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### **Board of Directors**

St. Louis Section-ACS Board of Directors meets on the second Thursday of each month, at the Glen Echo Country Club (map available on website). Meetings are open to all members, and all are encouraged to attend. Elected officers and chairs of major committees have the right to vote: others in attendance have voice but no vote. If you want to attend the dinner, please contact Alexa Serfis (barnoski@slu.edu) at least one week prior to the meeting date. The cost of dinner is \$18. Members wishing to become active in section activities are welcomed to their first dinner for free. compliments of the section.

> Date: February 9 Social hour: 5:30 pm Dinner: 6:30 pm Business Meeting will start during dinner. Future meetings: March 9 April 13



#### NMR Discussion Group

The NMR group has an email listserv. To join, send email to sarahj@wustl.edu with "subscribe NMR Discussion Group" in the subject line. The schedule is also posted on-line at: http://www.chemistry.wustl.edu/ seminars.stlnmr.html. For more information contact: Mark Conradi (Physics) at 935-6418 or msc@wuphys.wustl.edu Joel Garbow (Radiology & Chem) 362-9949 or garbow@wustl.edu Sophia Hayes (Chemistry) at 935-4624 or hayes@wustl.edu

## University of Missouri-St. Louis

Seminars are held on Mondays at 4:00 pm in Room 451 Benton Hall unless otherwise specified. Refreshments 15 minutes prior to seminar time. Please check the website at: http://www.umsl.edu/chemistry.

> January 23 Mike Lewis St. Louis University Cation- and Anion-Binding of Aromatic Rings

## **Otto Henry Fenner Deceased at Age 93**

Otto H. Fenner, 50-year member of ACS, passed away November 15th in Houston, Texas where he and his wife Elinor resided with their son and daughter-in-law. Born July 22, 1912 in St. Louis, Mr. Fenner's adventurous life included building rockets in the 1920s, playing semi-pro baseball in the 1930s, supervising a TNT plant in Texas during World War II, and playing violin with a jazz band on the St. Louis riverfront.

Mr. Fenner graduated from Washington University in 1942 with degrees in Organic Chemistry and Physics. He started his career with Monsanto in the Research Pilot Plant in 1934 as a chemical operator. Over the next forty-three years he held a number of positions: Night Research Chemist; Area Supervisor for TNT manufacturing; Production Supervisor for the Sulfa Drug Plant; Group Leader, Process Development Technical Services; and Principal and Engineering Specialist in Corporate Engineering. Mr. Fenner retired from Monsanto in 1977 and formed his own consulting firm. In addition to ACS, he had numerous professional affiliations, including NACE, SPE, SPI, ASTM, FAIC, and AXE.

## Call for Nominations for Midwest Regional Award

POLYMER STANDARDS FOR GCP/SEC MOLECULAR WEIGHT ANALYSIS GPC/SEC COLUMN REPACKING American Polymer Standards Corporation 8680 Tyler Boulevard, Mentor, OH 44060 Phone: 440-255-2211 Fax: 440-255-8397

The ACS Midwest Regional Award, established in 1944, recog-

nizes outstanding achievement in chemistry done in the midwestern region of the United States. To be eligible, a nominee must have performed the cited work while residing within the Midwest Region of the ACS. (The nominee does not have to reside currently within the Region.) Nominations must include a nominating letter, two or more seconding letters, a curriculum vitae, a brief biography, and documented, objective information regarding the outstanding achievements of the nominee. If the nominee is an academician, a list of persons who have received advanced degrees under his or her direction should be included. Please submit nine copies of all nomination material to:

Jim O'Brien, Chair Midwest Award Committee Dept. of Chemistry University of Missouri-St. Louis 8001 Natural Bridge Road St. Louis, MO 63121-4499 (314)516-5717 Ibrien@jinx.umsl.edu

\*Nominations must be received on or before the deadline of March 31, 2006.

# Remembering Dr. Samuel Miller Tuthill

Dr. Samuel M. Tuthill, nationally distinguished 50-year member of the American Chemical Society and 2005 recipient of the St. Louis Section ACS Distinguished Service Award, died December 6, 2005 at the age of 86 after a brief illness.

Dr. Tuthill grew up on a farm in Rocky Point, Long Island, New York and attended Wesleyan University in Middletown, Connecticut, where he received his B.A. degree in Chemistry in 1939. He remained at Wesleyan University for two more years as a Chemical Assistant and earned a Master's Degree, also in Chemistry, in 1941. In June he married Frances Hallock, also of Rocky Point, and they moved to St. Louis.

In July of 1941 Sam began his career as an Analytical Chemist with Mallinckrodt Chemical Works. (The plant was, and is, located at 3600 North Broadway in St. Louis, where the Mallinckrodt Plant was founded in 1867 — the first Chemical

Plant West of the Mississippi River.) In his entry level position, Sam performed routine analytical testing. He had only been doing this for about five months when Pearl Harbor was bombed in December, which resulted in the US entering World War II.

For some time the US government had been secretly considering the possibility of an atomic bomb, and in April of 1942 Mr. Mallinckrodt was asked if his company would assist in the war effort by developing a process for the purification of the key material uranium. Part of the reason for soliciting Mallinckrodt's help was because of the



company's expertise in handling highly flammable ether, a key solvent in the purification process. Mr. Mallinckrodt agreed, and Sam Tuthill, along with many other Mallinckrodt employees, began work on the top secret "Manhattan Project."

Sam worked on the project for several years and then, when the war ended in 1945, he decided to pursue graduate studies towards a Ph.D. degree in Analytical Chemistry. In September of 1945 he left Mallinckrodt to enter Ohio State University where he graduated with a Ph.D. in 1948. Upon graduation, he returned to Mallinckrodt as the Uranium Analytical Lab Supervisor, a position he held for several years. Later he was appointed Director of Quality Assurance, a position he filled until 1976. In that year he became Corporate Director of Quality Standards, a position he held until his retirement in 1981.

Even after retirement, Sam remained deeply involved with Mallinckrodt. He served as a consultant for 15 years, until 1996, for a total of almost 55 years association with the company.

During his long and distinguished career at Mallinckrodt, Sam was also very active in the St. Louis Section of the American Chemical Society. He served as Treasurer in 1960, Secretary in 1961 and 1962, and Chairman in 1964. He is the only member in the history of the Section to have served in all offices.

However, his extra-curricular service to chemistry was not confined to St. Louis. Sam's professional interests included specifications and testing methods for food, drug, reagent, and industrial chemicals. In addition to his work for Mallinckrodt in these fields, he served on several national committees, which worked to develop specifications and testing methods.

He was very active in the Reagent Chemicals Committee of the American Chemical Society. He served as a committee member for over 40 years beginning in 1958. He also held the position of Chairman of the Committee from 1967 through 1973.

In addition to being an active member of the Food Chemicals Codex Committee for many years, he also participated in the American Society for Testing Materials Committee on Methods of Analysis. In 1989 he received the ASTM Award of Merit for "exceptional contributions, leadership, and diligence in developing and writing standards for industrial chemicals."

Last, but by no means least, he was a member of the United States Pharmacopoeia Committee of Revision and the American Chemical Society delegate to the United States Pharmacopoeia. His almost 30-year career with the Pharmacopoeia included a diverse range of service, both as Chairman and as a member of several committees.

Dr. Tuthill was highly respected by his friends and colleagues. His input was much sought after, not just for his considerable technical knowledge, but also because of his kindness, high ethical standards, and desire to promote the cause of Analytical Chemistry.

(The *Chemical Bond* gratefully acknowledges Anne Tuthill Polta and Dr. Norm Jamieson for their input.)

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from p. 10 of October 2005

## American Chemical Society and India's Council to hold meeting to promote shared research

The American Chemical Society (ACS) and India's Council on Scientific and Industrial Research (CSIR) will hold a joint conference in India Jan. 7-9 to promote research cooperation in chemical biology and organic chemistry among scientists in the two nations. Details on the conference, "Building Bridges, Forging Bonds for 21st Century Organic Chemistry and Chemical Biology," are available at <u>http://www.ncl-india.org/occb2006/index.htm</u>.

The meeting, which is expected to attract more than 500 scientists from industry, academia and government, will be held at CSIR's National Chemical Laboratory in Pune, India, and a follow-up mini-symposium will be held at the Indian Institute of Chemical Technology (IICT) in Hyderabad on January 11-12 (details are available at <u>http://seminar.iictnet.org/aoccb</u>). The symposium will offer the opportunity for some 400 additional Indian scientists and students to interact with speakers from the United States.

A highlight of the meeting, which inaugurates a close working relationship between the two organizations, will be presentations by prominent researchers, including 2005 chemistry Nobel laureate Robert Grubbs of the California Institute of Technology. Other featured speakers include Robin Ganellin, University College, London; Laura Kiessling, University of Wisconsin, Madison; Kevan Shokat, University of California, San Francisco; and Stephen Buchwald, Massachusetts Institute of Technology. Among the major subject areas to be covered are organic synthesis of bioactive natural products, supramolecular chemistry, chemical biology, organometallic chemistry, drug discovery and process research.

A special session at the conference, an "Indo-U.S. Workshop on Organic Chemistry and Chemical Biology," will provide early-career researchers from the United States and India a chance to talk about their research in an international setting. "Starting this important dialogue between U.S. and Indian researchers through this workshop will improve the flow of scientific information and improve prospects for research collaboration between scientists in both nations," said Tamara Nameroff, Director of the ACS Office of International Activities. The Indo-U.S. Science and Technology Forum provided funding for the workshop.



## St. Louis Section ACS Roster 2006

#### **Elected Officers**

Chair: Chair-Elect: Secretary: Treasurer: Alexa Serfis Steve Kinsley Keith Stine Lisa Balbes

#### **Steering Committee**

Chair: Steve Kinsley Members ex officio: Alexa Serfis Ted Gast Keith Stine Appointed Members to be announced

#### Directors

Term 2005-2006: Sue Dudek Hal Harris Bruce Ritts Term 2006-2007: Samir El-Antably William Doub Eric Ressner

#### Councilors

Term 2004-2006: Sadiq Shah Term 2005-2007: Lawrence Barton Greg Wall Term 2006-2008: Donna Friedman Lifetime Councilor at Large: S. Allen Heininger (national ACS President, 1991)

#### **Alternate Councilors**

Term 2004-2006: Lisa Balbes Michael Shaw Term 2006-2008: Thomas Layloff

#### Other section positions

Parliamentarian: Lawrence Barton Registered Agent of the Corp: Donald G. Leavitt



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**Chemical Bond** 



Investment Committee Trustees: Lisa Balbes (ex officio) William Doub (Chair) Hal Harris Bruce Ritts

#### Awards Committee

Chair: Pat Burrell-Standley Midwest Award: Jim O'Brien St. Louis Award: Joseph Ackerman Marcus Award: Bruce Kowert College Student Awards: Mike Hauser High School Teaching Award: Virginia Kirwin Science Fair Awards Coordinator: Pat Burrell-Standley Chemical Science and Tech. Award: Sue Dudek

#### **Education Committee**

Chair: Jeffrey Cornelius High Sch Chem Contest&Olympiad: Myron Reese Career Awareness Fair: Greg Wall Chemistry is Fun: Marie Sherman Undergrad Research Symposium: Jennifer Fraser Cassondra Caldwell Kids and Chemistry: Anna Scarim Career Day: Jim O'Brien Keith Stine

#### **Professional Activities Committee**

Chair: Brent Znosko

Membership: Azmy Azmy Media Response Team: Hal Harris Career Resources: Lisa Balbes Minority Affairs: Gopal Paul Women Chemists Com: Leah O'Brien Government Affairs: Dave Garin Historian: Lawrence Barton

#### **Program Committee**

Chair: Shelley Minteer Chromatography Discussion Group: Robert Morrison Computational Chemistry Group: Philippa Wolohan Mitchell Polley Greg Wall General Topics: Education Topic Group:Sandy Mueller Mike Grayson Mass Spec: NMR Disc. Group: Mark Conradi Joel Garbow Sophia Hayes Organic Syn. Disc.Grp: Kevin Moeller Michael Lewis St. Louis Award Symposium: TBA (contact committee chair)

#### Publicity and Public Relations Committee

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