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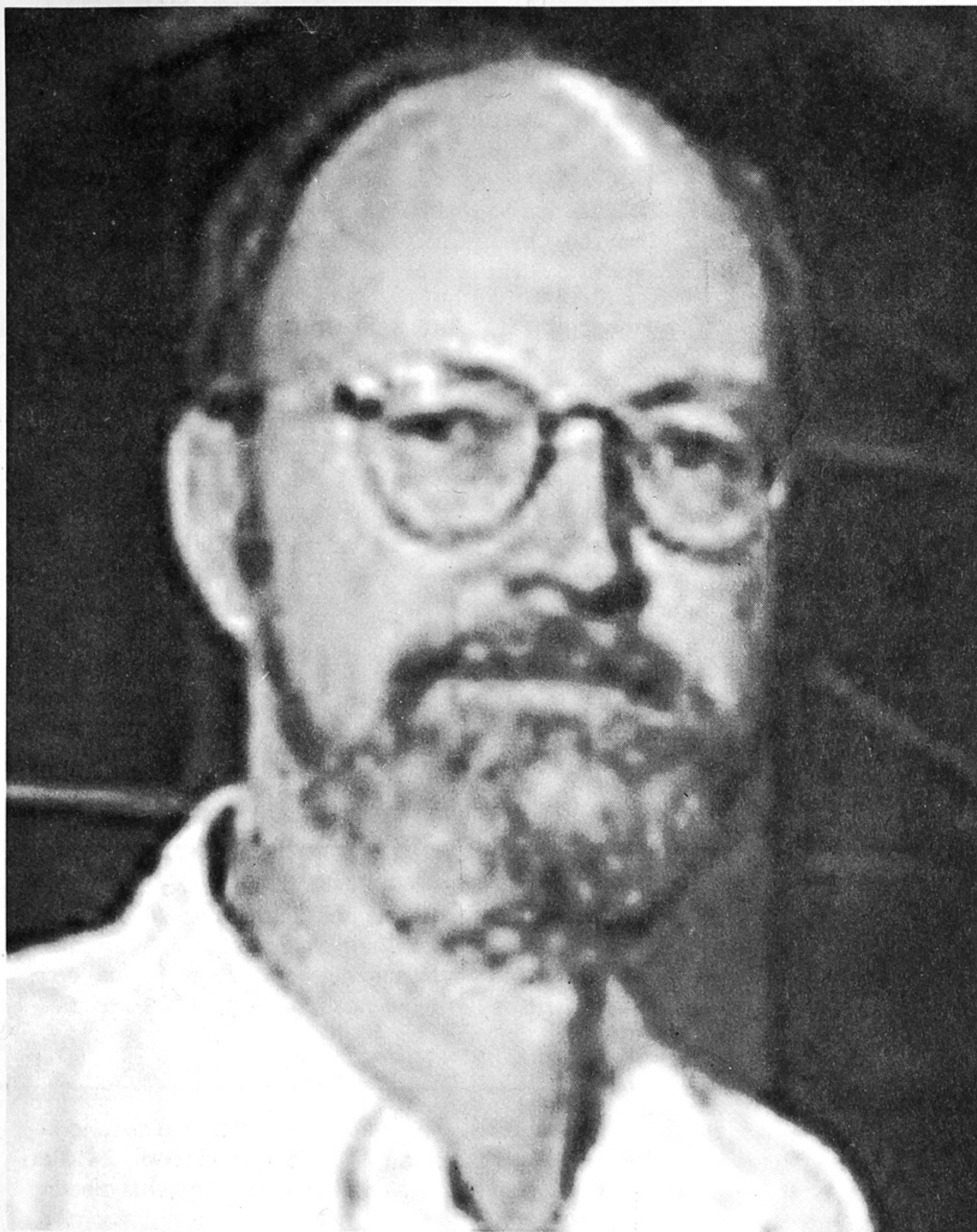
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PUGET SOUND CHEMIST

Newsletter for the Puget Sound Section



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Executive committee meetings are open to all members and are held on the second Wednesday of each month (unless otherwise indicated) at 7:00 p.m. in room **2410** at North Seattle Community College, 9600 College Way North in Seattle. The next meeting is **Tuesday, October 7th**.

On the Cover: Dr. Robert H. Grubbs, 2003 Pauling Award Winner

Dr. Robert H. Grubbs
Named 2003 Pauling Award Winner
The 2003 Pauling Award Symposium and Banquet

The ACS Oregon, Portland, and Puget Sound Sections have named Robert H. Grubbs the recipient of the 2003 Linus Pauling Award. The award recognizes outstanding achievement in chemistry comparable to that of its namesake and first winner, Linus Pauling, a Pacific Northwest native and 1954 Nobel Laureate in chemistry.

Professor Grubbs is the Victor and Elizabeth Atkins Professor of Chemistry at the California Institute of Technology. By combining fundamental work in organometallic and catalytic chemistry with an appreciation of the needs of synthetic chemistry, Grubbs has had a major impact in the fields of organic and polymer chemistry. Several years ago his group discovered a new class of olefin metathesis catalysts based on ruthenium alkylidenes that show unprecedented tolerance toward polar functional groups and which opened the way for the synthesis of a wide variety of functionalized polymers.

A symposium honoring Grubbs will be held at the University of Oregon in Eugene, Oregon, on November 1, 2003. The medal presentation ceremony will occur at an evening banquet session on that same day.

A native of Possum Trot, Kentucky, Grubbs received his B.S. (1963) and M.S. (1965) degrees from the University of Florida. He earned his Ph.D. from Columbia University in 1968 with R. Breslow and was then an NIH postdoctoral with J. P. Collman at Stanford. In 1969, he joined the chemistry faculty at Michigan State University and moved to Caltech in 1978.

The 2003 Pauling Award Winner is Professor Robert H. Grubbs from the California Institute of Technology. The Pauling Award Symposium and Banquet will be held Saturday, November 1, 2003 in Willamette Hall at the University of Oregon. Those wishing to attend the banquet need to RSVP by **October 24, 2003** to Professor David Tyler, Department of Chemistry, University of Oregon, Eugene, OR 97403-1253, phone: 541-346-4649, fax: 541-346-0487, e-mail: dtyler@darkwing.uoregon.edu, or Professor Michael Haley, (haley@oregon.uoregon.edu).



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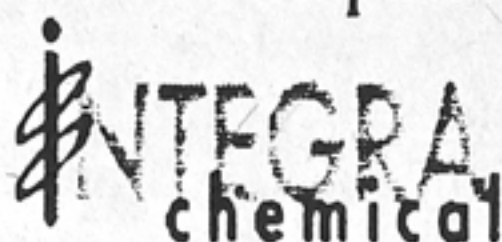
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Leilani Sharpe Awarded AWIS Scholarship

On September 10, 2003, the Seattle Chapter of the Association for Women in Science (AWIS) awarded a \$1000 scholarship to Leilani Sharpe, a senior Chemistry and Biochemistry major at the University of Washington (UW). The Puget Sound Section of the American Chemical Society and the Oxygen Chapter of Iota Sigma Pi funded this scholarship. Ms. Sharpe combines high academic achievement (a 3.86 GPA), financial need (she is supporting herself through college), and strong motivation to pursue a career that will utilize her chemistry and biochemistry background. In 2002, she won an undergraduate fellowship to perform research in a biochemistry laboratory at UW. Her project involved investigating fin growth in the early zebrafish embryo. She presented her results at the UW undergraduate research symposium in May. This past summer, Leilani obtained further research experience through an internship at the Fred Hutchinson Cancer Research Center. She continues to volunteer as an escort and transporter at the University of Washington Medical Center and as a student liaison for Running Start, an early college admission program in which she was enrolled at South Puget Sound Community College. Leilani is applying for admission to MD/PhD programs for fall 2004. Her long-term career goal is to help develop effective methods of treating particular diseases by investigating the cellular and molecular biology mechanisms that drive those diseases. Leilani Sharpe's scholarship is a good investment in an outstanding future scientist and physician. Seattle AWIS thanks the American Chemical Society and Iota Sigma Pi for their generosity.

CONGRATULATIONS, LEILANI SHARPE!!

THE PUGET SOUND LOCAL SECTION NOW HAS AN OFFICIAL WEBSITE!!!

Here it is: <http://membership.acs.org/P/Pugetsound/>

**Thanks to: Gregory Milligan, and associates!! Dept. of Chemistry
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To subscribe to the Puget Sound Local Section email list:

ACS Puget sound section members may check for updates and self-subscribe to a new emailing list, available through Pacific Lutheran University. This is useful for obtaining up-to-date information for meetings and important events. To subscribe, visit the the following webpage: www.chem.plu.edu/mailman/listinfo/pss-acs.

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Dr. Lauren Bartlett Heine to Speak at Pacific Lutheran University

Green Chemistry: Challenges & Opportunities for All Chemistry in the Twenty-first Century

Date: Wednesday, November 19th, 2003

Time: Lecture: 7:30 p.m.

Location: Leraas Lecture Hall, Rieke Science Center, Pacific Lutheran University, Tacoma, WA 98447;

Pizza (for those who make reservations) at 6:00 p.m., Rieke Science Center Main Lobby

RSVP for food: By Noon, Tuesday, November 18th, to Toni Curtis, 253-535-7530, curtisaa@plu.edu

Cost (pay on site by check to PLU or cash): \$8 per person (Student discount price: \$5)

Directions: Visit the following website: www.chem.plu.edu

Green Chemistry or environmentally benign chemical syntheses and processing will provide chemists in the 21st Century a unique and golden opportunity to play a central role in making sustainable development a reality. Sustainability, the concept where one generation in society moves forward in a manner that leaves neither the economy nor the environment any worse off - and perhaps even improves both - for succeeding generations, than when it inherited the global commons. A tall and daunting order by any measure or stretch of the imagination. Industrial ecology or the science of sustainability provides the frame work within which pollution prevention, design for the environment, and green chemistry will operate. For some, green chemistry is central to implementing this systems approach for development based on the ecological model from the natural world. The recent articulation of the 7 dimensions of eco-efficiency by Livio DeSimone, CEO - 3M and Frank Popoff, Dow Chemical Co., as co-chairs of the World Business Council for Sustainable Development, lay out the extent of the challenge to the next generation of chemists and engineers. The 7 dimensions of reducing material and energy intensity of goods and services, reducing toxic dispersion, enhancing material recyclability, maximizing sustainable use of renewable resources, extending product durability, and increasing the service intensity of goods and services, each call for input from chemists and chemical engineers, if they are to be attained at all, much less within the next two generations. This presentation will briefly describe "The Twelve Principals of Green Chemistry" and illustrate them with real-world examples. It will lay out opportunities for chemists to participate in the highly important global dialogue underway on sustainability, including activities of the American Chemical Society's Committee on Environmental Improvement, the organization of Economic and Cooperative Development (OECD), and IUPAC's CHEMical Research Applied to World Needs (CHEMRAWN). It will identify information distribution mechanisms (WWW sites and e-mail list servers), describe collaborative university-industry-government research activities, seek input on a new ACS-EPA Green Chemistry education materials development project, and review the extensive list of conferences, symposia, and workshops scheduled in the USA, Europe, and Asia. All of which provide chemists the venues to participate in this highly charged, energetic, and important area of chemistry.

NATIONAL CHEMISTRY WEEK October 19-25, 2003

Theme: "Earth's Atmosphere and Beyond!"

The unifying event for this year's National Chemistry Week celebration will be "Honoring Innovators and Pioneers in Aviation and Atmospheric Chemistry."

Dharshi Bhopogedra will be in the "Hands-on Children's Museum" in Olympia on October 18th (1-3 p.m.) doing activities on "The Earth's Atmosphere and Beyond..". She will also be in a 3rd grade class at St. Michael School in Olympia and a 4th grade class at McLane Elementary school in Olympia. An "ACS Membership Drive" at the Washington Chemistry College Teachers Association Conference (WCCTA) during National Chemistry Week will be held. The students at the Evergreen State College will be starting a Student Affiliate Chapter of the ACS this fall. They will be conducting chemistry demos on the same theme during NCW on the Evergreen State College campus.

50 YEAR MEMBERS HONORED IN OCTOBER

Dr. Norman L. Hardwicke Dr. Arthur H. Goldkamp Mr. Ralph F. Peak Dr. J. Richard Mayer Dr. Andrew F. Montana Mrs. Marie C. Scully Mr. George Richard Nelson Dr. Robert Lyman Strong Mr. James Edward Mars Mr. Lee E. Monteith Dr. Basil Gideon Anex Dr. Katashi Oita Mr. Dean Moore Robertson Mr. Allan Howard Mc Clure Dr. Walter P. Gibble Dr. Andrew Beelik. CONGRATULATIONS!!

The Puget Sound Section of the American Chemical Society's 50-year member dinner for 2003 will be held **Saturday, October 11, 2003** starting at 4:00 pm at the Elysian Pub and Brewery located at 1221 East Pike in Seattle. For further information please contact Greg Spyridis at (206) 296-5944., or Kathy Hohstadt at 425-823-9210. If you have an interesting story of your career in chemistry and would like to share it, please contact the Editor for publication in upcoming issues of the Chemist. Thanks!

THE WIZARD IS BACK !!!

The Wizard (aka Dr. Tim Hoyt) and his Scientist Assistant, Dr. Herb Bryce, will present "An Incredible Evening of Chemistry". The show is fun for all ages!! Don't miss it and bring your children and grandchildren. Time: November, TBD. See the November Chemist for further details.



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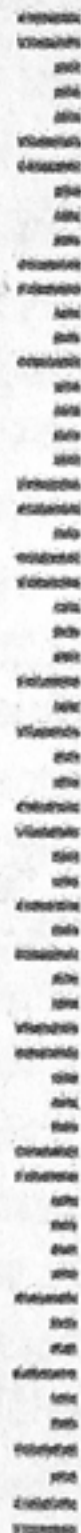
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