

**PUGET
SOUND**

CHEMIST

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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 **Wednesday, September 10th**.

On the Cover: Dr. Yorke E. Rhodes

Dr. Yorke E. Rhodes
Speaks at Seattle University

**Astrochemistry: The Evolution of Organic Molecules
in Interstellar Clouds**

At the dawn of the space age in the 1960s, a handful of molecules were known to exist off Earth. Since those days of early robotic exploration of the Moon and Mars, fly-bys with spectroscopy of the outer planets, and radio astronomy of distant areas of our own galaxy and parts of the universe have brought forth a burst of molecular information. About 120 molecules, some new and some known, have been identified to date. What types and kinds of molecules exist? What varieties of molecular species have been found? How did they form, where do they occur, and what mechanisms exist for molecular formation? Can we model and predict what other molecules may occur? How has interstellar organic chemistry evolved?

Yorke Rhodes received a B. S. in soil chemistry from the University of Delaware in 1957, as Senior of the Year in the College, and then earned an M.S. in organic chemistry in 1959 with William A. Mosher and Darrel Lynch. After completing his Ph.D. at the University of Illinois in 1964 with Prof. James C. Martin, he was a National Institutes of Health Postdoctoral Fellow with Kenneth B. Wiberg at Yale University. He was recently elected chair-elect for 1997 and chair of the ACS New York Section for 1998. As an ACS Concilor he is also a member of the Local Section Activities Committee and welcomes discussions about local sections. He has served on Department of Education review panels and is an educational consultant/evaluator for several undergraduate and high school research mentoring programs.

DATE: Wednesday October 8th

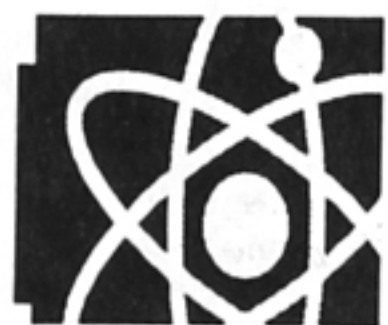
TIME: 7:00 pm (dinner preceeding)

LOCATION: Bannan Auditorium at Seattle University

CONTACTS: Greg Spyridis 206-296-5944 spyridis@seattleu.edu

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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WCCTA CONFERENCE IN OCTOBER

Do you teach junior/senior level chemistry? This is a special invitation for you! This year's annual conference of the Washington College Chemistry Teachers Association (WCCTA) will take place from Thursday to Saturday, October 23rd to 25th at the Sleeping Lady Conference Center, located a few miles from Leavenworth. This year we are including sessions specially geared to four-year college faculty. We would like to have you present labs/workshops/teaching ideas regarding the junior and senior levels chemistry curriculum. This is a great opportunity to learn and teach your colleagues. We would also like to include a discussion session on "Using undergraduate research in chemistry as an effective teaching tool". This year, we are asking our sponsoring vendors to bring texts and other supportive materials pertinent to junior and senior chemistry curriculum. Be sure to visit their booths and explore the latest technology and texts for teaching upper level chemistry. If you have any questions, please contact: **Dr. Dharshi Bopegedera, The Evergreen State College, Olympia, WA 98505 (360) 867-6620, email: bopegedd@evergreen.edu** Other organizers are Wally Orchard and Bob Schmitt (Tacoma Community College Fax: (360) 867 - 5430 E-mail: bopegedd@evergreen.edu

IN MEMORIAM

Edward Clay Lingafelter Jr.

ACS member, UW professor, passed away April 7, 2003. Edward C. Lingafelter joined the University of Washington's Chemistry Department's faculty in 1939. In 1942 he was promoted to instructor and became a full professor in 1952. From 1962 to 1968 he served as associate dean of the University of Washington's Graduate School and as acting chairman of the Chemistry Department from 1976-1978. He served as chair of the Puget Sound Section of the American Chemical Society in 1951 and co-edited *Acta Crystallographica*. Professor Lingafelter assumed emeritus status in 1983. At the 1983 American Chemical Society's National Meeting held in Seattle a symposium entitled "120 Years of Crystallography" was held to honor Professor Lingafelter in addition to Professors Verner Schomaker and Lyle Jensen of the University of Washington, as each of these individuals had approximately forty years of research in the field of crystallography. At this symposium Linus Pauling gave the concluding remarks. Over his long and productive tenure at the University of Washington Professor Lingafelter published 124 papers and graduated 42 doctoral students.

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September 2003

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 or ingridangstrom@yahoo.com.

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
Saint Martin's College gmilligan@stmartin.edu voice: 360-438-4314**

HOUSEHOLD PRODUCTS DATABASE AVAILABLE

What's under your kitchen sink, in your garage, in your bathroom, and on the shelves in your laundry room? Do these household products pose a potential health risk to you and your family? These questions are posed on the homepage of a new site for consumers, the Household Products Database (<http://householdproducts.nlm.nih.gov>). The National Institutes of Health unveiled this consumer's guide from the National Library of Medicine last Friday. It provides easy-to-understand information on the potential health effects of more than 2,000 ingredients contained in more than 4,000 common household products. For more technical information, users can launch a search for a product or ingredient in TOXNET from the Product Page in the database. Read more about this new database in the NIH press release at: http://www.nlm.nih.gov/news/press_releases/householdprod03.html

Heidi Thiessen Sandstrom, RN, PHN, MLIS Interim Associate Director National Network of Libraries of Medicine Pacific Southwest Region (310) 794-6572 FAX: (310) 825-5389 Toll-free (within Region) - (800) 338-7657

Dr. Robert H. Grubbs (continued)

the Arthur C. Cope Award (2002), and the ACS Award for Creative Research in Homogeneous or Heterogeneous Catalysis (2003). He was elected to the National Academy of Sciences in 1989, and he became a Fellow of the American Academy of Arts and Sciences in 1994. In addition to Grubbs, speakers will include Robert Waymouth, Stanford University; SonBinh Nguyen, Northwestern University; and Brian Stoltz, California Institute of Technology. The medal presentation ceremony will occur at an evening banquet session on that same day. For more information, please see the following website: www.uoregon.edu/~chem/pauling.html.

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

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) .

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. 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. 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. Professor Grubbs' other awards have included Alfred P. Sloan Fellow (1974-76), Camille and Henry Dreyfus Teacher-Scholar Award (1975-78), Alexander von Humboldt Fellowship (1975), ACS National Award in Organometallic Chemistry (1988), the Arthur C. Cope Scholar Award (1990), the ACS Award in Polymer Chemistry (1995), the Nagoya Medal of Organic Chemistry (1997), the Fluka Reagent of the Year (1998), the Mack Memorial Award (1999), the Benjamin Franklin Medal in Chemistry (2000), the ACS Herman F. Mark Polymer Chemistry Award (2000), the ACS Herbert C. Brown Award for Creative Research in Synthetic Methods (2001),

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