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# **PUGET SOUND** CHEMIST

BULLETIN OF THE PUGET SOUND SECTION OF THE AMERICAN CHEMICAL SOCIETY

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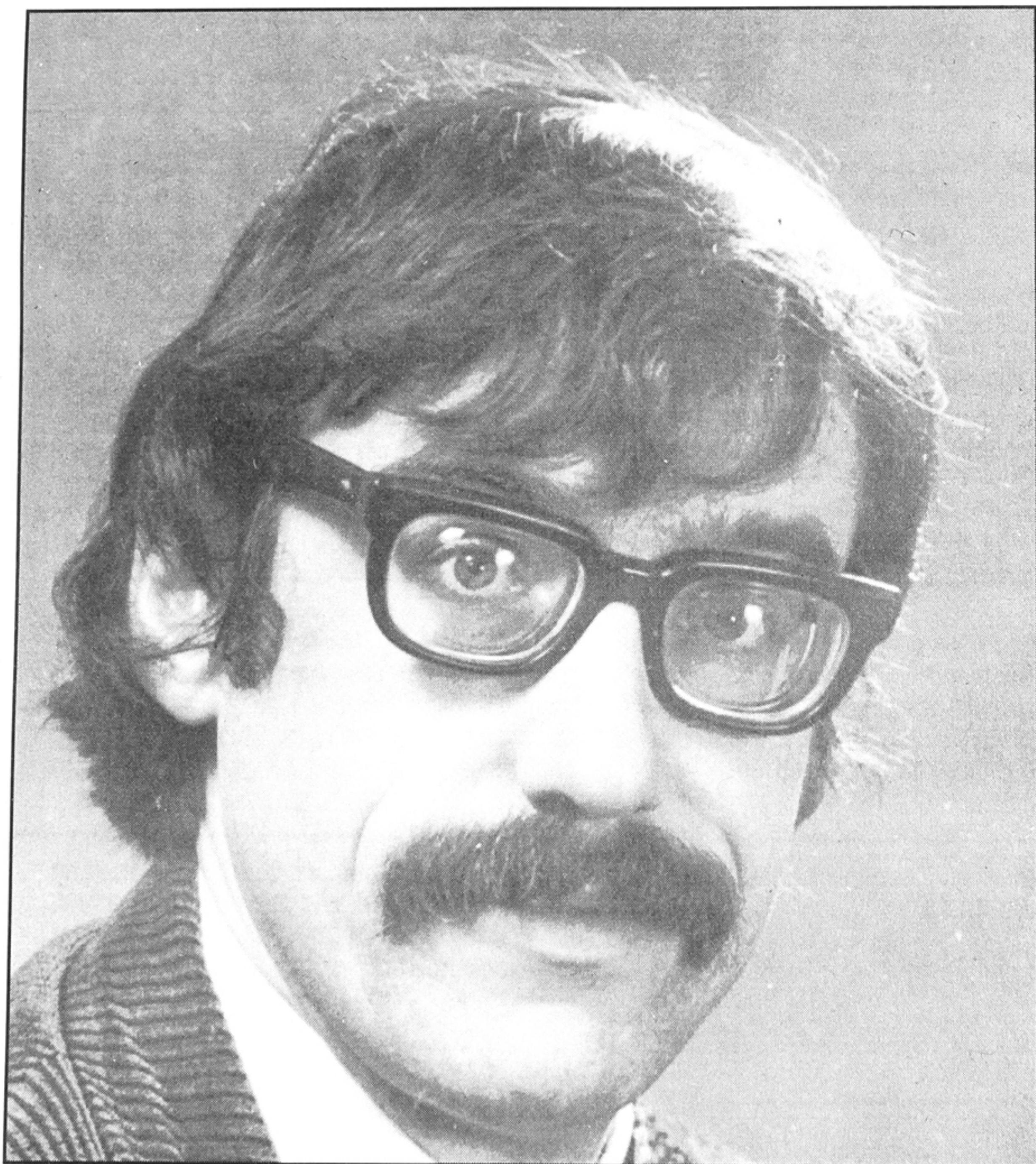
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## **NATURAL PRODUCTS WHAT ARE THEY?**





# PUGET SOUND CHEMIST

Newsletter for the Puget Sound Section



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**Puget Sound Chemist**, PO Box 15269, Seattle, WA 98115-0269

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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 6:30 p.m. in room 2430C (above the bookstore) at North Seattle Community College, 9600 College Way North in Seattle. The next meeting is **Wednesday, October 9th**,



## **Natural Products: What Are They? What is their Purpose in Living Organisms?**

**Dr. Bruce Jarvis to speak at Seattle University Friday October 11, 4:30 PM**

There is a case to be made that the *raison d'être* for the production of natural products is that these chemicals function as messengers - and their message is meant in very broad terms: come hither, don't eat me, germinate, divide, attach, disengage, etc. Although we make a distinction between external communication and internal communication, they are in fact part and parcel of the same thing: Natural products are chemicals, released within a system by one component, that are meant to convey information and instructions to another component(s) within the system. They are a natural outgrowth and consequence of an increase in complexity. They are in fact a critical part of the chemical "glue" that holds a system together. That natural products tend to be small organic molecules is a natural consequence of the functions they serve: messengers that must survive long enough to shuttle between the various components of the system. Natural products are central elements in communication systems in nearly all living organisms; human beings are one of the more conspicuous exceptions. We use the senses of touch, sight, and sound, especially language, to organize our communities and relate to the surrounding environment. But plants, microbes, and most other animals use chemistry to interact with one another and to establish order in their surrounding environment. They use chemical ecology. Many examples from the world of chemical ecology will be presented that underscore the importance of these chemicals in ecological and physiological systems.

**The talk will be held at 4:30 pm in Wyckoff Auditorium in the Engineering Building on the Seattle University Campus.** The talk will be preceded by a reception at 4 pm in the Engineering Atrium. Enter the Engineering building across from the Law School building. Parking is available in the visitor's lot on Marion Street and also in the Cherry Street garage at 1100 E. Cherry Street. After the talk, we will go to Ivar's Salmon House for dinner at approximately 6:30 pm. Contact Greg Spyridis at 206-296-5844 for more information.

**Bruce B. Jarvis** received a B.A. from Ohio Wesleyan University in 1963 and a Ph.D. from the University of Colorado in 1966. He was a postdoctoral research associate at Northwestern University in 1966-67, joined the faculty of the University of Maryland at College Park in 1967, and is now Professor and past-chair (1993-98). Department of Chemistry and Biochemistry. He has been a Scholar in Residence at the University of Virginia (1976-76) and program director in organic synthesis at the National Science Foundation (1987-88). He is a member of the American Chemical Society, the American Association for the Advancement of Science, Sigma Xi, and the American Society of Pharmacognosy. He has published over 140 research papers and his research areas include the origins and functions of natural products in fungi and plants, the chemistry of toxin-producing fungi associated with water-damaged buildings, and the development of anticancer agents from natural products.



# 2002 PAULING AWARD SYMPOSIUM AND BANQUET

Honoring Professor John I. Brauman, Stanford University

**Saturday November 9, 2002**

**Pacific Lutheran University**

**Tacoma, Washington**

Symposium: 1:00 - 5:30 pm, Lagerquist Hall (Mary Baker Russel Music Building)

Speakers: Professor John I. Brauman , Stanford University - Awardee

Professor Kristie A. Boering, University of California, Berkeley

Professor James Collman, Stanford University

Professor David Golder, Stanford University

Banquet: 7:00 pm Scandinavian Cultural Center, University Center

Cost: \$18 (\$8 for graduate or undergraduate students)

Menu: Please mark selection on reservation form

RSVP: October 31, 2002 , with the form below, or by email

Payment: Please make checks payable to Pacific Lutheran University and  
mail with reservation, or pay at banquet if reservation is by email

For more information, visit [www.chem.plu.edu/pauling\\_award](http://www.chem.plu.edu/pauling_award), or contact Ms.  
Toni Curtis ([curtisaa@plu.edu](mailto:curtisaa@plu.edu); 253-535-7530) or Professor Craig Fryhle (206-  
535-7530; [fryhle@chem.plu.edu](mailto:fryhle@chem.plu.edu)). Directions to campus and information about  
lodging options nearby can be found at the web page.

**Detach and mail with payment for banquet to the address below:**

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Name (1

Student (\$8): Yes No

Name (2)

Student (\$8) Yes No

Total amount enclosed: \$

Payable to Pacific Lutheran University

## **Menu Preference:**

(1) (2) *Grilled Chicken Breast and Montchrachet with Tomato Basil Vinaigrette*

(1) (2) *Halibut with Sun Dried Tomato and Black Olive Tapenade*

(1) (2) *Tortellini in Gorgonzola Sauce and Seasonal Vegetables (vegetarian)*

**Mail to: 2002 Pauling Award Symposium, Department of Chemistry,  
Pacific Lutheran University, Tacoma Washington, 98447**



## 2002 ACS Undergraduate Research Symposium

by Natia Frank

On May 4, 2002 the University of Washington's Department of Chemistry hosted the ACS Undergraduate Research Symposium of Puget Sound. There were over 100 participants from six different institutions, including the University of Washington, Evergreen State College, Seattle University, Western Washington University, University of Puget Sound, and Pacific Lutheran University.

There were 14 oral presentations and 14 poster presentations. The symposium's guest speaker was Professor Pradip Rathod from the University of Washington. His talk was entitled "The Chemistry of Malaria Therapy"

Each participant received a T-shirt commemorating the event.



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Seattle, Washington  
August 16, 2002

Editor, Puget Sound Chemist

Dear Editor,

I am taking this last moment opportunity to urge you and our colleagues, some 1400 + strong, to support the candidacy of Alvin Kwiran. Shortly after I write this letter you will be receiving your presidential election ballot. We are often guilty of failing to exercise our franchise in ACS elections; I beseech you to make a special effort to vote this time.

Al Kwiram is known to most of our members as past Chairman of the University of Washington Chemistry Department and as Vice Provost for Research at the U. of W. He has served as Chair of the Chemistry Section of the American Association for the Advancement of Science and is a member of the Executive Committee of the ACS Division of Physical Chemistry. He has been an ACS Councilor and a member of the ACS Committee on Science. Further information about Al, his ACS, and other activities as well as his outlook toward future ACS planning can be found in the biographical material accompanying your ballot.

Al can be reached by phone at 206-543-6616 or by email at [kwiram@u.washington.edu](mailto:kwiram@u.washington.edu).

Please vote for Al Kwiram, our nominee for President Elect of our American Chemical Society.

Thank you, and sincerely yours,  
Bill Wasserman, Puget Sound Section Councilor

**ELECT HOWARD M. PETERS    ACS DISTRICT VI DIRECTOR**

web site <http://hometown.aol.com/peters4pa/myhomepage/profile.html>

**MY OBJECTIVES AS DISTRICT VI DIRECTOR**

Represent and visit all 27 local sections in District VI  
Encourage more communication using email and internet  
Attend and participate in each Northwest Regional Meeting as I did in Spokane in June and Western Regional Meeting  
Improve science literacy and science education at all levels  
Increase the presence, personal, and financial involvement of the ACS in local, regional, and national science and engineering fairs  
Increase ACS interaction with 4-year non-Ph.D. granting colleges  
Expand involvements and representation of industrial chemists in ACS  
Continue efforts to attract women and minorities into chemistry with innovative programs  
Encourage each division and local section to create active committees for women, younger chemists, minority/diversity, and senior chemists

**DON'T DISMISS ME AS A CANDIDATE**

**BECAUSE I AM NOW AN ATTORNEY AS WELL AS A CHEMIST**

Ballots in early October

Please VOTE



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