

PUGET SOUND CHEMIST

BULLETIN OF THE PUGET SOUND SECTION OF THE AMERICAN CHEMICAL SOCIETY

Volume 60, Number 2



MARCH 1999

No beating Bush! He'll help your next job search

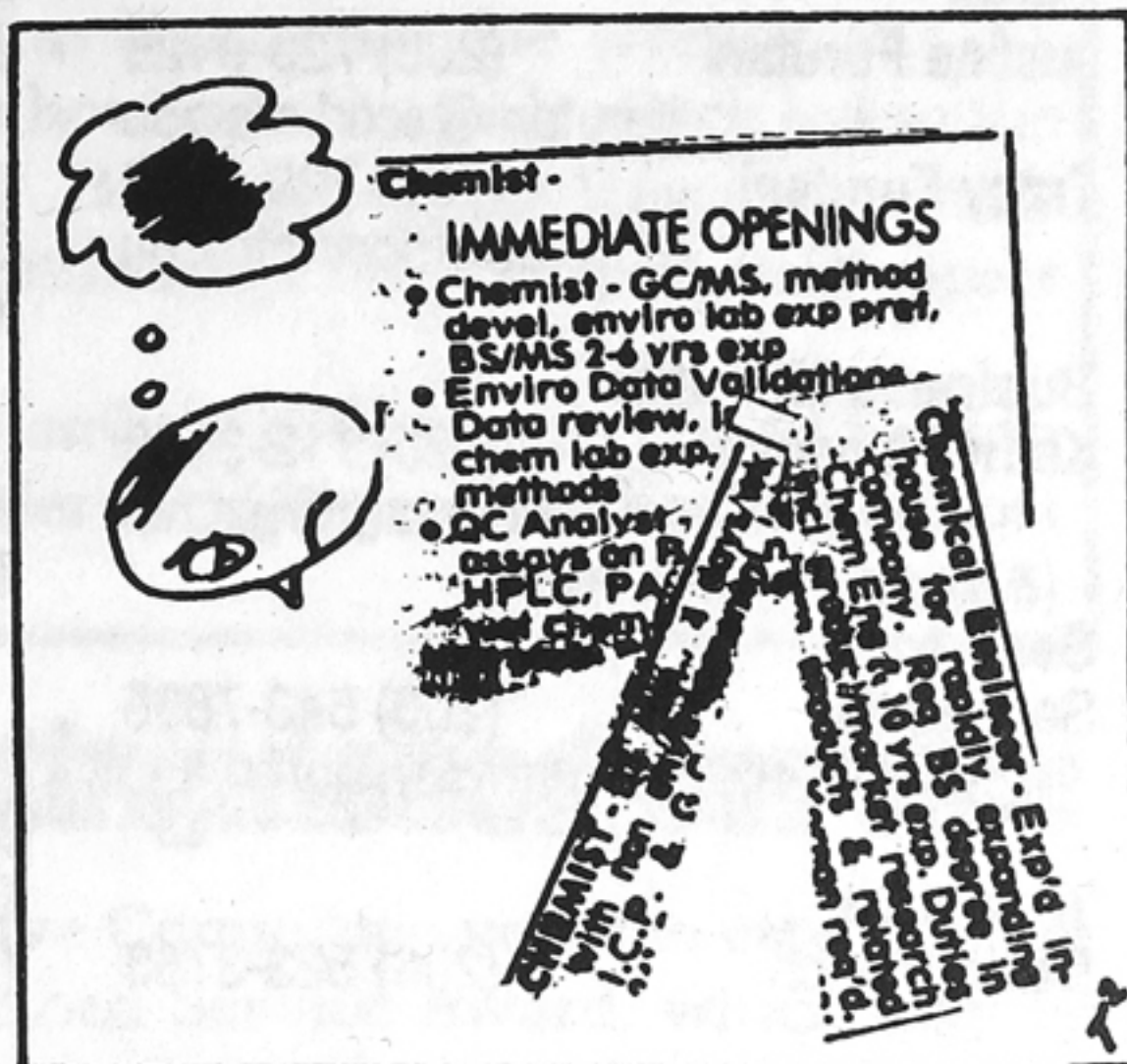
Looking for a job, or will be in the near future? Dr. Warren V. Bush, an ACS Volunteer Career Consultant and retired Shell Development Company chemist, will be presenting "How Do I Find a Job? Managing the Job Market" at the Puget Sound Section meeting on Thursday, April 8, at 7:30 p.m. in room 109 of the Miller Science Center at Seattle Pacific University.

Dr. Bush's presentation has been adapted from his workshop "Targeting the Job Market" which is put on by the ACS Department of Career Services. Starting with the background of the international, ever-changing nature of the chemical industry, the content of his talk includes ways to manage the many, often conflicting, aspects of the job market for chemists

and chemical engineers, and where to look for useful information about the job market. And, equally importantly, what to consider in the way of one's personal and professional lifestyle values when seeking a job.

Dr. Bush, who received his Ph.D. from Caltech in 1953, worked on many projects at Shell Development over his long career, including hydrotreating, hydrocracking and catalytic reforming, and sulfur recovery. He was the leader of a research team develop-

(continued on page 6)



April meeting

Who: Dr. Warren V. Bush

What: "How do I find a job?"

Where: Seattle Pacific Univ.

When: Thursday, April 8 at 7:30

How much for dinner: \$13
(chicken or vegetarian); reservations by April 2 to Kathy Hefner
(206) 281-2351

PUGET SOUND CHEMIST

**THE BULLETIN OF THE PUGET SOUND
SECTION, AMERICAN CHEMICAL SOCIETY**



EXECUTIVE COMMITTEE, PUGET SOUND SECTION

Editor

Justine Furutani (206) 729-9428
jfurutani@sccd.ctc.edu

Tracy Furutani (206) 729-9428
tfurutan@sccd.ctc.edu

Business Manager

Kathy Hohstadt (425) 712-3429
hohstadt@jps.net

Secretary

Sara Selfe (206) 543-7835
selfe@chem.washington.edu

Treasurer

David Munch (206) 523-3763

Councilors (Year term ends)

Herb Bryce (206) 587-6921
(2000) Fax: (206) 587-3837
hbryce@sccd.ctc.edu

William J. Wasserman
(1998)

(206) 329-7750

Mark Wicholas
(1999)

(360) 650-3071
Fax: (360) 650-2826
wicholas@chem.wvu.edu

Chair

Craig Fryhle (253) 535-8314
fryhle@rainier.chem.plu.edu

Chair-elect

Kathy Hohstadt (425) 712-3429
hohstadt@jps.net

Past Chair

Tom W. Griffith (206) 527-3747
tgriffith@sccd.ctc.edu

Alternate Councilors

George Kriz (360) 650-3070
(1998) Fax: (360) 650-2826
kriz@chem.wvu.edu

Deborah Wiegand (206) 543-1653
(1999)

wiegand@chem.washington.edu

Clarita Bhat
(2000)

(206) 546-4575
cbhat@ctc.ctc.edu

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

Published eight times during the academic year (September through the following June) by the Puget Sound Section of the American Chemical Society. Total circulation: 1800. Direct all copy to the Editor and advertising correspondence to the Business Manager. The Secretary handles other business. Letters may be edited due to space considerations. Please word-process or type all correspondence!

Puget Sound Section ACS Executive Committee Future Meetings in 1999

Meetings are open to all members and are held at 6:30 p.m. on the second Wednesday of each month in room 2430C (above the bookstore) at North Seattle Community College, 9600 College Way North in Seattle (across I-5 from Northgate Mall). The next meeting is **Wednesday, March 10.**

In memoriam of Romeo Conca

Romeo J. Conca, retired chemist and the owner of Lost Mountain Winery in Sequim, died May 7, 1997, four days shy of his seventy-first birthday.

A native of New Haven, Connecticut, Mr. Conca graduated from Yale University with a BS in chemistry (after serving in the US Navy during World War II), followed by a Ph.D. in organic chemistry. His post-doctoral work was done at Princeton University. He worked at G.D. Searle & Co. in Evanston, Illinois, in hormone research which led to the development of the birth control pill. He then began a long career with ITT Rayonier in Shelton, where he retired in 1981 after a 26-year career in wood pulping processes.

Mr. Conca was well-known to members of the Puget Sound Section from his research activities at Rayonier and his gracious hosting at Lost
(continued on page 6)

Section honors distinguished service

The Puget Sound Section Executive Committee voted to establish the Puget Sound ACS Section Distinguished Service Award, which may be presented once a year in an award presentation that would take place at a designated section meeting, likely the February meeting along with the 50 year member recognition.

The award was created to honor an ACS member who has shown exceptional contributions in one or more of the following areas:

- Contribution to the local community. Contributions in this category include volunteer activities related to chemistry in local schools, with local governments, news media, etc. May also involve organizing volunteer/outreach activities.

(cont'd on p. 4)

March 1999 3

POLYMER STANDARDS FOR GPC/SEC MOLECULAR WEIGHT ANALYSIS GPC/SEC COLUMN REPACKING

American Polymer Standards Corporation
8660 Tyler Boulevard, Mentor, OH 44060
Phone: 216-255-2211 Fax: 216-255-8397

Liz Allen Weber

Account Executive

425/637-9990

Fax: 425/688-0636

LabTemps

Professional Scientific Staffing

1200 - 112th Ave NE, Suite C-110
Bellevue, WA 98004

P.O. Box 40285
Bellevue, WA 98015

Central Washington University invites you Chemistry teachers' meeting features the Web

The 7th Annual Washington College Chemistry Teachers Association (WCCTA) is holding its 1999 meeting on April 22-24 (Thursday through Saturday) at Central Washington University in Ellensburg. The keynote address will be given on Friday by Dr. James P. Birk of Arizona State University, who will speak on the role of multimedia technology in chemical education.

Also featured are talks (the early abstracts of which, according to Professor Martha Kurtz, the meeting organizer, seem to be focusing on technology and "using the Web"), vendor displays, discussion panels for faculty at two- and four-year colleges and an open house of the new state-of-the-art science building at CWU.

(continued on page 8)

Distinguished Service Award (from page 3)

- Contribution to local section. Contributions in this category include service to the local chemistry community through active participation in section activities and leadership on section committees.

The awardee need not have held an elective office in the section.

The selection process begins by making a nomination to the Executive Committee. The person presenting the nomination will outline the candidate's contributions. The Executive Committee will vote on whether to proceed with the award process. If approved, an award committee will review a written nomination describing the candidate's contributions along with at least three supporting letters. The award committee will make a recommendation to the Executive Committee on whether the award should be presented and the Executive Committee will then vote on the recommendation.

Chemical Analysis Services

▲ Material Identification

▲ Deformulation

▲ Polymer Analysis

▲ Products Defects/Failure

▲ Physical Testing

▲ Competitive Product Analysis

FT-IR, HPLC, NMR (500 MHz), DMA, GC, GC/MS, DSC, TGA, SEM-EDXA



Chemir/Polytech
Laboratories, Inc.

(314) 291-6620

2672 Metro Blvd. Maryland Heights, MO 63043
<http://www.chemir.com>

to spend a chemistry weekend or a day

Amaze peers at Undergrad Symposium

The 1999 ACS Puget Sound Section Undergraduate Research Symposium will be held on Saturday, April 24, in the new Science Building at Central Washington University in Ellensburg. There will be an oral presentation session, with talks approximately 15 minutes long, and, new for this year, a poster presentation session, held during the lunch period. As always, the topics of the presentations should be original chemistry- or chemical education-related research. Awards will be given for Best Oral Presentation, Best Research (Oral) and Best Poster.

For further information (such as the cost of the luncheon), please visit the symposium's website at <http://www.cwu.edu/~chemweb/pugetacs.htm> or contact symposium organizer Professor JoAnn DeLuca at (509) 963-2022 or at jdeluca@cwu.edu. Abstracts are due by April 9; the standard ACS abstract form should be mailed to Jane Arrington, Department of Chemistry mail stop 7539, Central Washington University, Ellensburg, WA, 98926-7539, or submitted electronically to: arringtj@cwu.edu.

The Section strongly encourages members who are faculty in area colleges and universities to attend and to encourage their students to attend. Please register the number of symposium attendees from your institution either by e-mail or phone by Wednesday, April 14, so the symposium can make appropriate space and food arrangements.

The chemistry department at Central Washington University has been revitalized, according to DeLuca, with the majority of the chemistry faculty having been hired over the past few years. In fact, the department has reinstated

the master's degree program as of last year. The faculty of the department cover all of the subdisciplines of chemistry (including chemical education); there are 10 teaching faculty and 45 students majoring in chemistry. The new Science Building contains much new equipment and the department will be holding an open house to coincide with the symposium.

ELEMENTAL ANALYSIS

(C, H, N, O, S, P · Halogens · Ash · Metals)
TOC · TOX · BTU · Molecular Weights
ICP · ICP/MS · AA · GC · GC/MS · IC
Custom Analysis · Problem Solving

HUFFMAN

LABORATORIES, INC.
Quality Analytical Services Since 1936

4630 Indiana Street · Golden, CO 80403

Phone: (303) 278-4455 · Fax: (303) 278-7012

www.huffmanlabs.com chemistry@huffmanlabs.com



Bush (continued from page 1)

ing improved methods of sour gas treatment and sulfur recovery, and was also involved in process development for elimination of waste and for ensuring compliance with the Clear Air Act Amendments of 1990.

In addition to his career consultancy, Dr. Bush served as the Chair of the Greater Houston Section of the ACS and as the Chair and the Secretary of the ACS Division of Petroleum Chemistry. He is currently a member of the ACS Council Committee on Economics and Professional Affairs, as well as a member of the American Institute of Chemical Engineers, the American Association for the Advancement of Science, Sigma Xi and Tau Beta Pi honorary scientific and engineering societies, and the Texas Academy of Science.

The meal will be served at 6:00 p.m. and is either yakisoba (buckwheat) noodles with sauteed chicken breast, or vegetarian grilled tofu served on a bed of fresh wheat soba noodles, with stirfried oriental vegetables and your choice of sesame or olive oil. The cost of the meal will be \$13.00 and it will be served in the Falcon Lounge, on the second floor of the Royal Brougham Pavilion, 3414 Third Avenue West on the SPU campus.

Please make reservations to Kathy Hefner (e-mail: khefner@spu.edu or phone: (206) 281-2351). Reservations should be made before noon, Friday, April 2, although a few late reservations on Saturday or early Monday could probably be accommodated.

To get to SPU, take I-5 to the NE 50th Street Exit (#169 — marked "Seattle Pacific University"). Turn west onto NE 50th and proceed to Fremont Avenue N. Turn left onto Fremont and cross the Fremont Bridge. Turn right immediately after the bridge onto Florentia Street. Go one block and turn right onto Nickerson Street. Continue on Nickerson to Third Avenue W and turn left. You are now on campus. Parking permits are not required evenings, so people are free to park in Seattle Pacific lots north or south of the Miller Science Center (if they can find a free space), or south of Nickerson Street, in the lots on the east side of Third Avenue West.

For more information, please call Paul Lapse at (206) 281-2101.

Romeo Conca (from page 3)

Mountain Winery, where many members attended a wine-tasting luncheon given by the Section after a Saturday visit to Battelle's Sequim laboratory facilities several years ago. Romeo was past President of the Washington Wine Institute, and his wines won many awards in regional competitions. His interests included the arts (past President of the Port Angeles Fine Arts Center), education (past President of the Citizens' Advisory Committee to the Shelton District School Board) and horticulture (member of the Rhododendron Society and the Royal Horticultural Society). His sons are continuing to operate the Lost Mountain Winery.

Pauling Award nominations solicited

Nominations are solicited for the 1999 Linus Pauling Medal, awarded annually by the Oregon, Portland and Puget Sound Sections of the American Chemical Society. The award recognizes outstanding accomplishments in chemistry in the spirit of and in honor of Linus Pauling, a native of the Pacific Northwest. The 1999 Linus Pauling Medal will be presented at the annual Linus Pauling Symposium in the fall of 1999 in Corvallis, Oregon. Nominations should include the following:

- Nominee's name, present position, address and contact information
- A concise resume of the nominee's professional career
- A narrative summary of the scientific achievements that form the basis for the nomination, including explanations of the significance of the work
- A listing of honors, awards, medals; with dates and conferring organizations
- A bibliography of the truly significant publications (reprints are not desired)
- Additional supporting letters are encouraged.

Scientists of all nationalities are eligible for the award. However, the award will not be given for work for which the nominee has already received the Nobel Prize. Recent awardees include Allen Bard, Ahmed Zewail, Alexander Rich and Richard Zare. All nomination materials should be sent to Prof. John G. Loeser, Department of Chemistry, 153 Gilbert Hall, Corvallis OR 97331-4003. They must be received by April 1 to ensure consideration for the 1999 Linus Pauling Medal.

PROTECT

Your Expensive Lab Work
with Research &

Development Record Books

STOCK RECORD BOOKS

B50D - Fifty pages and fifty duplicates,
1/4" sqs. on right pages

B100P - 100 right pages w/ 1/4" sqs.
100 left pages w/ 10 sqs./inch

B200P - 208 pages, w/ 1/4" sqs. right and
left pages

B200PH - 208 pages with horizontal
lines on left and right pages

Books have instructions and TOCs.

Page size 11" x 8 1/2".

Hard extension brown cloth covers.

Pages open flat.

\$12.50 Each FOB Chicago

CUSTOM MADE BOOKS TO ORDER

SCIENTIFIC BINDERY PRODUCTIONS

1255 S. Wabash Ave
Chicago, Illinois 60605
Phone: 312-939-3449
Fax: 312-939-3787



BYRNE

SPECIALTY GASES

THE RELIABLE RESOURCE

- Ultra Pure Carrier Gases
- Mixed Gases
- Gas Handling Equipment
- Engineered Systems
- Cryogenics

Byrne Specialty Gases, Inc.

601 South Andover St.

Seattle, WA 98108

T: 206.621.8400 F: 206.621.1192

Toll Free: 800.767.4601

WCCTA (from page 4)

The cost of the meeting is \$125 per person double occupancy for meals, fees and lodging at the Munson Retreat Center, and \$85 per person without the lodging. Though the website (<http://www.cwu.edu/~chemweb/wccta99.htm>) mentions a February 28 deadline for abstract submission, Kurtz says she will accept late abstracts, especially if they are submitted electronically to kurtz@cwu.edu. Standard ACS abstract forms or the electronic equivalent (available at the website above) are acceptable. For further information, call her at (509) 963-1422 or 962-5650.

FUTURE MEETINGS in 1999

March 2 **Al Hazari, Univ. of Tennessee**
"Chemistry in Comics"

March 27 **Chemistry Olympiad, North Seattle CC**
Volunteers needed! Call Millard Wyman, (206) 528-3748

April 8 **Warren Bush, ACS**
"How do I find a Job; Managing the Job Market"

American Chemical Society
Puget Sound Chemist
PO Box 15269
Seattle, WA 98115-0269

Non-profit Org. U.S. POSTAGE PAID Seattle, Wash. Permit No. 12966
--

Dated Meeting Notice
Please Do Not Delay