

PUGET SOUND CHEMIST

BULLETIN OF THE PUGET SOUND SECTION OF THE AMERICAN CHEMICAL SOCIETY

Volume 58, Number 7



OCT 24 1997

NOVEMBER 1997

LIBRARIES

Michael Doyle will keynote at November meeting

"Seeing is Deceiving — It's Eating That's Believing" is the intriguing title of a talk to be given by Dr. Michael Doyle of the Research Corporation in Tucson, Arizona, at 8 p.m. on Thursday, November 6 on the Western Washington University campus.

Dr. Doyle is concerned with bringing undergraduate students into the world of research chemistry. "Research," he writes, "is the culminating education experience for undergraduate students. No other educational activity provides better preparation for logical inquiry, critical awareness of current events, and the rigor of independent activity." He will also describe programs and opportunities for getting undergrads involved in chemical research and the benefits to the student and sponsoring organization of being involved in such research.

Dr. Doyle's talk will be held in Room 110 of the Science Lecture Halls building (next to the Chemistry Building) and will be preceded by a social hour (5:30) and dinner (6:30) at the Faculty Club of Western Washington University. The cost of dinner is \$16.00 and reservations are requested; please call Mark Wicholas at (360)

650-3071 or Tom Griffith at (206) 527-3747 by noon, Monday, November 3.

A note for students: the first ten students (high school, undergraduate or graduate) to make dinner reservations will have half of the cost picked up by the section; for these reservations, please call Tom Griffith at (206) 527-3747.

To get to Western Washington University, leave I-5 at exit 253. Turn onto Lakeway Drive (which becomes Holly Street) and turn left at the fourth traffic light (Garden Street). Continue on Garden Street for 0.8 miles and bear left at the fork. Take the first left onto Highland Drive and then left again into Parking Lot G of the campus. The Faculty Club is in the Canada House, adjacent to the parking lot.

Linus Pauling Award Symposium honors Ahmed Zewail

The 1997 Linus Pauling Award will be given to Ahmed Zewail, Linus Pauling Professor of Chemistry (California Institute of Technology), in a ceremony at the

(Please see page 7)

PUGET SOUND CHEMIST



BULLETIN OF THE
PUGET SOUND SECTION
AMERICAN CHEMICAL SOCIETY

EXECUTIVE COMMITTEE
PUGET SOUND SECTION

Editor

Justine Furutani/ 206-729-9428
Tracy Furutani Fax: (206) 527-3748
jfurutan@seaccd.sccd.ctc.edu
furutani@seaccd.sccd.ctc.edu

Chairperson

Thomas W. Griffith 206-527-3747
griffith@seaccd.sccd.ctc.edu

Business Manager

OPEN

Secretary

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

Treasurer

David Munch 206-523-3763

Councilors

Mark Wicholas (1999) 360-650-3071
Fax: 360-650-2826
wicholas@chem.wwu.edu

Herb Bryce (1997) 206-587-6921

Fax: 206-587-3837

William J. Wasserman (1998) 206-329-7750

Chairperson-elect

OPEN

Past Chairperson

Arden Forrey H: 206-524-5158
W: 206-616-1875
Fax: 206-543-7783
forraw@u.washington.edu

Alternate Councilors

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

Deborah Wiegand (1999) 206-543-1653
wiegand@chem.washington.edu

Tim Hoyt (1997) 206-756-3833

Typesetting

P. Horbett Graphic Design
117 East Louisa Suite #281
Seattle, WA 98102
206-633-0985 FAX: 206-632-1797
phorbett@aol.com

Printing

G & H Printing
2370 Eastlake Ave. E.
Seattle, WA 98102
206-329-9888 FAX: 206-324-3705

Puget Sound Chemist, P.O. Box 15269, Seattle, WA 98115-0269
Published eight times during the September-June portion of the year by the Puget Sound Section of the American Chemical Society, with a circulation of about 2000. Direct all copy to the Editor and advertising correspondence to the Business Manager. The Secretary of the Section handles other business. All copy shall be typed and double-spaced !!

Puget Sound Section, ACS, Executive Committee Future Meetings in 1997

The next meeting of the Executive Committee is November 6 at 4:30 p.m. in a brand-new location: the Chemistry Conference Room (room 260 in the Chemistry Building) at Western Washington University. There will be a meeting on December 10 of the Executive Committee at a location to be announced in the final issue of the *Chemist* for this year.

Apology

Dr. Rudy Marcus was detained for personal reasons at his home in mid-September and could not give his talk. We apologize for any inconvenience this has caused our members; we tried to contact all members who made reservations for the dinner, but those members who were not going to attend the dinner could not be notified. In future, please call or e-mail the contact person at the institution given in the article to confirm.

Ballots delayed for one month

Due to the lack of candidates for the position of chair-elect, the Puget Sound Section will be delaying the election for Executive Committee offices until next month. The ballots for the election will appear in the December issue of the *Chemist*.

If you wish to run for any of the elective offices, or would like to nominate someone to run, please contact Tom Griffith at griffith@seaccd.sccd.ctc.edu or call (206) 527-3747.

Chemist moves!

The Puget Sound *Chemist* is changing addresses for letters, advertisements and other official correspondence. Our new address is PO Box 15269, Seattle, WA 98115-0269. Please update your records. The address for questions concerning membership and other national ACS organizational matters remains unchanged.

Notes from the Executive Committee meeting

Corrections to the previous issue of the *Chemist*: Herb Bryce has been nominated for the position of Counselor. The 18th Biennial Conference on Chemical Education will take place in the year 2002.

Announcement: The ACS Education Division has a program to help you sponsor a year's subscription of *WonderScience* (the ACS publication for elementary school children) to an elementary school for \$12. Please contact Andrea Bennett at the ACS at (202) 872-6249 or fax (202) 833-7732. The editors of the *Chemist* will be sponsoring a neighborhood school; we hope you will, too.

Announcement: The 1998 Pauling Award Symposium, to be held at US, will have Paul Hopkins as the Award Chair and Martin Gouterman as the Program Chair. Both are faculty in the Chemistry Department at UW.

An editorial comment

Wanted: Councilors and Alternate Councilors

Councilors and alternate councilors are voting members of the Executive Committee who represent the Section at national meetings. They also assist in making section policy, such as budgets (i.e., how the section portion of ACS dues are spent) and meetings (i.e., what the Section's role in various professional meetings will be — this can include sponsoring a meeting such as the Chem Ed conference). They are elected for three-year terms and are expected to attend the Executive Committee meetings.

In addition, councilors (and alternate councilors, should the councilors be unable) are expected to be prepared to attend all national ACS meetings, where they will represent the interests of the Section and Section members to the Council of the ACS.

Should you know of any member who would like to help out the Section, or if you yourself would like to fill these positions, please contact Tom Griffith by e-mail at griffith@seaccd.sccd.ctc.edu or by mail at PO Box 15269, Seattle, WA 98115-0269.

More Puget Sound Section Bylaws

Bylaw VI. Manner of Election and Terms of Office

Section 1. Elected officers of the Section shall serve for a term of one year beginning on January 1 or until their successors are elected. The Chairperson-Elect shall succeed to the office of Chairperson upon completion of his term in office.

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>

Section 2. Councilors and Alternate Councilors shall be elected for a term of three years beginning on January 1.

Subsection a. Councilors and Alternate Councilors shall be elected by a mail ballot of the members of the Section.

Subsection b. The Secretary, or other designated officer of the Section, shall prepare an election ballot on which shall appear the names, in order chosen by lot, of all candidates nominated and found willing to serve.

Subsection c. A period of at least three weeks must be provided between the date of mailing of the ballots to the members and the deadline for their return to the Secretary, or other designated officer of the Section.

Subsection d. The Secretary, or other designated officer of the Section, shall deliver, unopened, to two Tellers appointed by the Chairperson all ballots received by the deadline.

Subsection e. The Tellers shall count the ballots thus received, using the list of members provided by the Secretary to verify eligibility of all those voting. Any ballot envelope not so validated shall be rejected.

Subsection f. In case of a tie vote for any Councilor or Alternate Councilor opening, the Executive Committee shall make the final decision.

Section 3. In the event of a vacancy in the office of Chairperson, the Chairperson-Elect shall assume the added duties of the Chairperson for the unexpired term. All other vacancies shall be filled by the Executive Committee by interim appointment for the period up to the next annual election, at which time the Section shall choose a member to fill out the unexpired term, if any. In the event the office of Chairperson-Elect is filled by such interim appointment, the appointee shall be known as the Vice-Chairperson, and the Section shall elect both a Chairperson and Chairperson-Elect at its next annual election.

ECD Service & Cleaning

Electron Capture Detector Cleaning:
\$285 plus S & H; Quick Turnaround
(Replacement of Sources by Quote)

Spencer Scientific Lab (970) 667-7000
441 E. 4th St. Ste 6, Loveland, CO 80537

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

American Polymer Standards Corporation
8680 Tyler Boulevard, Menor, OH 44060
Phone: 216-255-2211 Fax: 216-255-8397

Congressional Fellowship available

The ACS Office of Legislative and Government Affairs is seeking applicants for its Congressional Fellowship Program for the 1998-99 term. The Program places an ACS member in a congressional office to gain first-hand knowledge of the operation of the legislative branch, to make scientific and technical expertise available to the government and to forge links between the scientific and government communities.

Applications are due January 1, 1998 and must include a letter of intent, a resume, and two letters of reference. The letter of intent should be two pages in length, explaining your reasons for applying and your background in science and public policy, as well as what you would seek to accomplish as Fellow. The letters of reference are to be sent directly to ACS. ACS provides stipend in the high \$40,000s and an additional allowance for relocation expenses. Support from other sources, such as a current employer, may be allowed. The position is available in the fall of 1998.

Application materials should be sent to: Congressional Fellowship Program, Office of Legislative and Government Affairs, American Chemical Society, 1155 16th Street NW, Washington, DC 20036.

For more information, contact Margaret Carey at (202) 872-4467 or m_carey@acs.org.

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

Buckley Center Auditorium, University of Portland on Saturday, November 8. The Symposium is co-sponsored by the Puget Sound, the Oregon and the Portland sections of the American Chemical Society.

Professor Zewail, who is known internationally for his work on ultrafast laser spectroscopic techniques, will deliver the keynote address "Chemistry and Biology at Femtosecond Resolution" — literally seeing chemical bonds being broken and made. Other talks at the symposium will be given by Rudolph A. Marcus (Caltech), Villy Sundstrom (Lund University) and Kenneth Eisenhal (Columbia).

The symposium, which will begin at 1:30 p.m., is free and open to the public, followed by a reception at 6 p.m. The evening will end with a banquet and reservations for the banquet are being taken by Sandra Lincoln, ICHJ Professor of Chemistry (University of Portland). She may be reached at (503) 283-7389 or at lincoln@uofport.edu. The Symposium is also accessible through a website: www.uofport.edu/acs.

The University of Portland is located at 5000 N. Willamette Blvd. in the northern part of Portland.

Heritage Scholarship available

The Chemical Heritage Foundation (CHF) is seeking applicants for its third annual Glenn E. and Barbara Hodson Ullyot Scholarship. The scholarship, to be awarded for summer, 1998, will support a minimum of four weeks' research on the heritage of the chemical sciences, using the resources of CHF's Othmer Library of Chemical History in Philadelphia, as well as other sources.

Applicants should send their curriculum vitae, a one-page description of their proposed research, an outline of a specific product as an outcome of their scholarship, and the telephone numbers or e-mail addresses of two references. The proposal should demonstrate how the resources of the Othmer Library are relevant to the applicant's project.

Applications must be received by January 30, 1998, and should be sent to Leo Slater, Chemical Heritage Foundation, 315 Chestnut Street, Philadelphia, PA 19106. For further information, please call (215) 925-1178, extension 224, or fax (215) 925-1054, or access their website at <http://www.chemheritage.org>.

HUFFMAN

LABORATORIES, INC.

Quality Analytical Services Since 1936

Elemental Analysis

(C, H, O, N, S, P ■ Halogens ■ Ash ■ Metals)

TOC ■ TOX ■ BTU ■ Molecular Weights

ICP ■ Emission Spectroscopy

GC ■ IC

4630 Indiana Street • Golden, CO 80403

Phone: (303) 278-4455 • FAX: (303) 278-7012

FUTURE MEETINGS 1997

Thursday, November 6th

Dr. Michael Doyle: **Seeing is Deceiving: It's Eating That's Believing**

CHANGE OF ADDRESS?

Please note that the local section does not prepare its own labels; we get the preprinted labels from the Local Section Activities division of the National Office of the ACS in Washington, D. C. Therefore, changes of address for ACS members should be sent to the national office so they can use the correct address for all their mailings. Please send your change of address to: Manager, Member & Subscriber Services, ACS, P.O. Box 3337, Columbus, OH 43210; phone: (800) 333-9511.

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

UNIV OF WASH LIBRARIES
SERIALS DIVISION
SEATTLE, WA 98195