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PUGET SOUND CHEMIST

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PUGET SOUND CHEMIST



BULLETIN OF THE PUGET SOUND SECTION AMERICAN CHEMICAL SOCIETY

EXECUTIVE COMMITTEE PUGET SOUND SECTION

Editor

V.K. Bhat 206-745-9550

Business Manager

Brad Burford 206-885-5010
Ext: 5377

Secretary

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

Treasurer

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Fax: 360-650-2826

wicholas@chem.wvu.edu

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Fax: 206-344-4390

hbryce@seaccd.sccd.ctc.edu

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Fax: 206-543-7783

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Fax: 360-650-2826

kriz@chem.wvu.edu

Deborah Wiegand (1996) 206-543-1653

wiegand@chem.washington.edu

Tim Hoyt (1997) 206-756-3833

Typesetting

P. Horbett Graphic Design

2366 Eastlake Ave. E. #317

Seattle, WA 98102

206-328-6278 FAX: 206-328-0246

phorbett@aol.com

Printing

G & H Printing

2370 Eastlake Ave. E.

Seattle, WA 98102

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Puget Sound Chemist, P.O. Box 24032, Seattle, WA 98124-0032

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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 1996

Meetings are open to all members and are held on the second Wednesday of each month. **Please note the change** in the location for the meeting. The executive committee will be holding their meetings in room 2430C at **North Seattle Community College** instead of Seattle University as in the past. Room 2430C is on the second floor above the book store.

April 10, May 8, June 12

Place: North Seattle Community College

Meeting: 6:30 PM in 2430C

On the cover: Dr. A. Truman Schwartz, our featured speaker at the April Meeting

MARCH MEETING

DATE:	Monday, April 8, 1996
FEATURED SPEAKER:	Dr. A. Truman Schwartz Department of Chemistry Macalester College, St. Paul, MN
PROGRAM:	"The Father of Us All: Lavoisier and the Revolutions of 1789"
LOCATION:	Ronald Room, Shoreline Center
DIRECTIONS:	Take the NE 175th St exit (Exit #176) from I-5 and go west to Meridian Ave NE. Turn right on Meridian Ave NE and go to NE 185th St, take a right and go to 1st Ave NE and take a left; the Shoreline Center is on your immediate right.
SCHEDULE:	6:00 p.m. - Social 6:30 p.m. - Pizza Dinner 7:30 p.m. - Speaker and program Please join us for the program even if you are unable to join us for the dinner.
COST:	\$6 per person for dinner
NOTE:	When you make reservation for dinner, you have an obligation to pay. Once the food is ordered, the section is billed even if you do not show up.
RESERVATIONS:	All reservations must be made by noon, Wednesday, April 3 . Please call: Seattle: 527-3747, Bellingham: 650-3070; Tacoma: 535-7530
OFFER TO STUDENTS	The section will pay half the cost of dinner for the first ten students (high school, undergraduate, or graduate) who call 527-3747.

FUTURE MEETINGS, 1996

Thursday, September 26:	Dr. Joe A. Vinson: "Biochemical Role Of Cholesterol - Good Guy Or Bad Guy?"
Thursday, October 17:	Dr. Clifford L. Schrader: "Toxic Chemicals In The Environment"

A. TRUMAN SCHWARTZ WILL BE THE FEATURED SPEAKER AT THE APRIL MEETING OF PUGET SOUND SECTION

A. Truman Schwartz is Dewitt Wallace Professor of Chemistry at Macalester College in St. Paul, Minnesota. He received a B.A. from the University of South Dakota in 1956 and B.A. and M.A. degrees from Oxford University as a Rhodes Scholar. In 1963, he earned a Ph.D. in physical chemistry at the Massachusetts Institute of Technology, under the supervision of the late George Scatchard. Schwartz joined the Macalester faculty in 1966, after three years as a research chemist with the Proctor & Gamble Company. At Macalester, he served as chair of the chemistry department for six years and as dean of the faculty for two. Schwartz has also held temporary research or teaching appointments at the Universities of Lund (Sweden), Massachusetts (Amherst), and Wisconsin (Madison).

Schwartz is the author of a number of papers on the physical chemistry of proteins and the history of chemistry, but most of his publications, presentations, and professional activities have focused on chemical education. He is the author of *Chemistry: Imagination and Implication*, a college text book for nonscience majors, and he is editor in chief of *Chemistry in Context*, a new text that has been prepared for the same audience under the sponsorship of the American Chemical Society. He has been a lecturer and instructor in five summer institutes for high school chemistry teachers. In 1986-87 he served as Deputy Director of the Division of Teacher Preparation and Enhancement in the Directorate for Science and Engineering Education of the National Science Foundation.

Professor Schwartz has served the ACS in a variety of capacities. He chaired the Division of Chemical Education, served as member at large of its executive committee, and has been a member of various standing and ad hoc committees of the Division. He was a panel chair on the ACS Task Force on Chemistry Education in the United States and is currently chair of the college subcommittee of the Society Committee on Education. During 1992-93, he was chair of the Minnesota Section of the ACS.

Among the honors received by Professor Schwartz are the CMA Award for Excellence in College Chemistry Teaching (1982), the Thomas Jefferson Award of Macalester College (1986), the Minnesota College and University Science Teacher of the Year (1988) Award, and the Western Connecticut Visiting Scientist Award (1991). Schwartz is a Fellow of the American Association for the Advancement of Science, and in 1991 he received an honorary Doctor of Science degree from the University of South Dakota.

ABSTRACT

The Father of Us All: Lavoisier and the Revolutions of 1789

Two revolutions occurred in France in 1789. The better known was triggered by the fall of the Bastille; the other was initiated by the publication of a chemistry book — *Traité élémentaire de chimie*. Antoine Laurent Lavoisier was involved in both. He started the Chemical Revolution and he perished in the French Revolution. This lecture is a celebration of the bicentennial of chemistry and of the achievements of its founder. It will summarize Lavoisier's life and his contributions to economics, public administration, manufacturing, education, social policy, geology, agriculture, and—especially—chemistry. The presentation will be illustrated with a number of slides of Lavoisier's scientific apparatus, both engravings by Madame Lavoisier and photographs of the collections on display in Paris.

VISIT 2YC3 ONLINE

The Committee on Chemistry in the Two-Year Colleges (2YC3) invites you to visit their home page at

<http://jbardole.vinu.edu>

This website includes an overview of the 2YC3 mission and a message from the current Chair, John Kenkel; a list of teaching positions available in two-year colleges; information about the upcoming 2YC3 conferences; and links to the *Journal of Chemical Education's* software page, the ACS website and ACS publications home page, and the 4th Biennial Conference on Chemical Education.

Now is the time to make reservations for the upcoming 136th 2YC3 conference to be held at Shoreline Community College in Shoreline, WA. For registration and other information contact: Mary O'Brien at 206-640-1641 or Ann-Mari Simonsen at 206-546-4572.

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ACS Publishes Spill Response Guide

For many reasons, people have become extremely cautious when responding to laboratory spill. If handled improperly, a spill can seriously disrupt a laboratory's activities. At worst, a spill can cause bodily harm or property damage. A properly handled spill, on the other hand, may present nothing more than a nuisance. The American Chemical Society's new booklet, ***The ACS guide for Chemical Spill Response Planning in Laboratories***, is designed to help the bench-top chemist prevent and better respond to chemical spills.

Written by the Society's CEI/CCS Task Force on Laboratory Waste Management, this new booklet provides a framework for spill response planning. The guide reviews emergency preparedness measures, discusses the steps to take when a spill occurs, and recommends procedures for cleaning up a simple spill. Additionally, the guidebook's appendices provides a regulatory overview, a summary of spill prevention methods, a listing of chemical spill kit components, and descriptions of general decontamination processes.

Designed to be easily carried by laboratory personnel, the guidebook may be used in conjunction with an institution's regulatory compliance program. The booklet, however, only provides an overview of the technical considerations required to safely respond to laboratory spills.

Ordering Information: Individuals may receive one copy of the ***The ACS guide for Chemical Spill Response Planning in Laboratories*** free of charge. Send a self-addressed label to the American Chemical Society, 1155 Sixteenth Street, N.W., Room 330, Washington, DC, 20036. Nonprofit organizations may receive up to ten booklets free of charge. Additional copies are available for a nominal fee. For details on how to receive multiple copies, please call 202/872-8725.

Other booklets available as part of the GRASP (Department of Government Relations and Science Policy) handbook series includes the following:

Less is Better: Laboratory Chemical Management for Waste Reduction
Chemical Risk Communication: Preparing for Community Interest in Chemical Release Data;
Informing Workers of Chemical Hazards: The OSHA Hazard Communication Standard; and
The Waste Management Manual for Laboratory Personnel.

SPECTROMETRIC METHODS COURSE

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Duties will include: Perform laboratory analysis of physical evidence using accepted scientific methods, interpret results, prepare written reports and testify as an expert witness in courts of law. The required qualifications are: B.S. in a natural or forensic science which includes a minimum of 20 semester or 30 quarter hours of chemistry, and 5 semester or 8 quarter hours of physics. In addition: to qualify as a Forensic Scientist 2, candidates must have 2 years full-time paid technical experience in an analytical, research or crime laboratory, one year of which must have been in a forensic science laboratory performing analysis of physical evidence. To qualify as a Forensic Scientist 3, candidates must have three years full time paid technical experience in a forensic science laboratory performing analysis of physical evidence, which includes testifying as an expert in courts of law. To receive an application:

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ABOUT OUR 50 YEAR MEMBERS:

A. S. MacInnes, Vancouver, B.C.

Despite having received excellent training as an organic chemist at both UBC, Vancouver, and McGill University, Montreal, as well as having some worthwhile laboratory experience during the intervening years, I spent very little of my later working life in that field.

After leaving McGill in 1941, I was first involved with the supervision of several testing laboratories operated by the wartime Inspection Board of the United Kingdom and Canada. Later, I became plant chemist at a small arms ammunition factory managed by a Canadian subsidiary of the United States Rubber Co. After the war ended I was employed briefly at their Detroit tire plant.

I then spent a period of pleasant fifteen months working as a development chemist at Bound Brook, N.J., for the American Cyanamid Co. in one of their dyestuff laboratories. In 1948, it became desirable for me to return to Vancouver to work for the family owned firm, Western Soap Co. Ltd., a manufacturer of institutional and industrial cleaning products. This was a small organization and although I dealt with all matters chemical, I was primarily concerned with sales and administration. The business was sold in 1978 and I then retired.

Mr. MacInnes adds: "During my days as a student at McGill in the Division of Industrial and Cellulose Chemistry, Joe McCarthy was a member of the staff and Quentin Penniston was a year or two ahead of me as a student. I have completely lost track of the doings of both, but if they are still active, please convey my regards."

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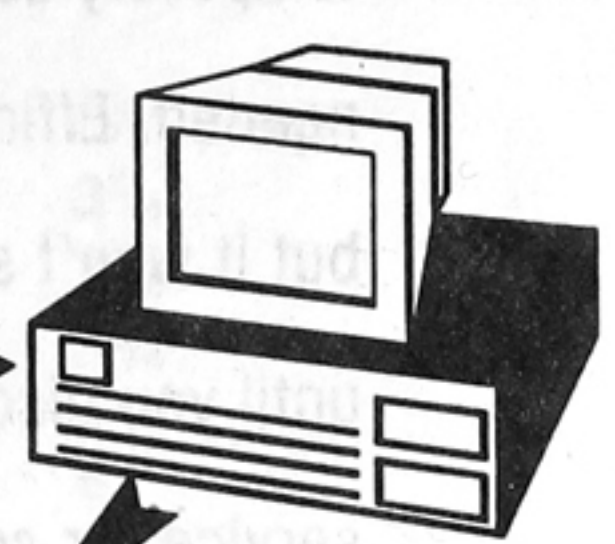
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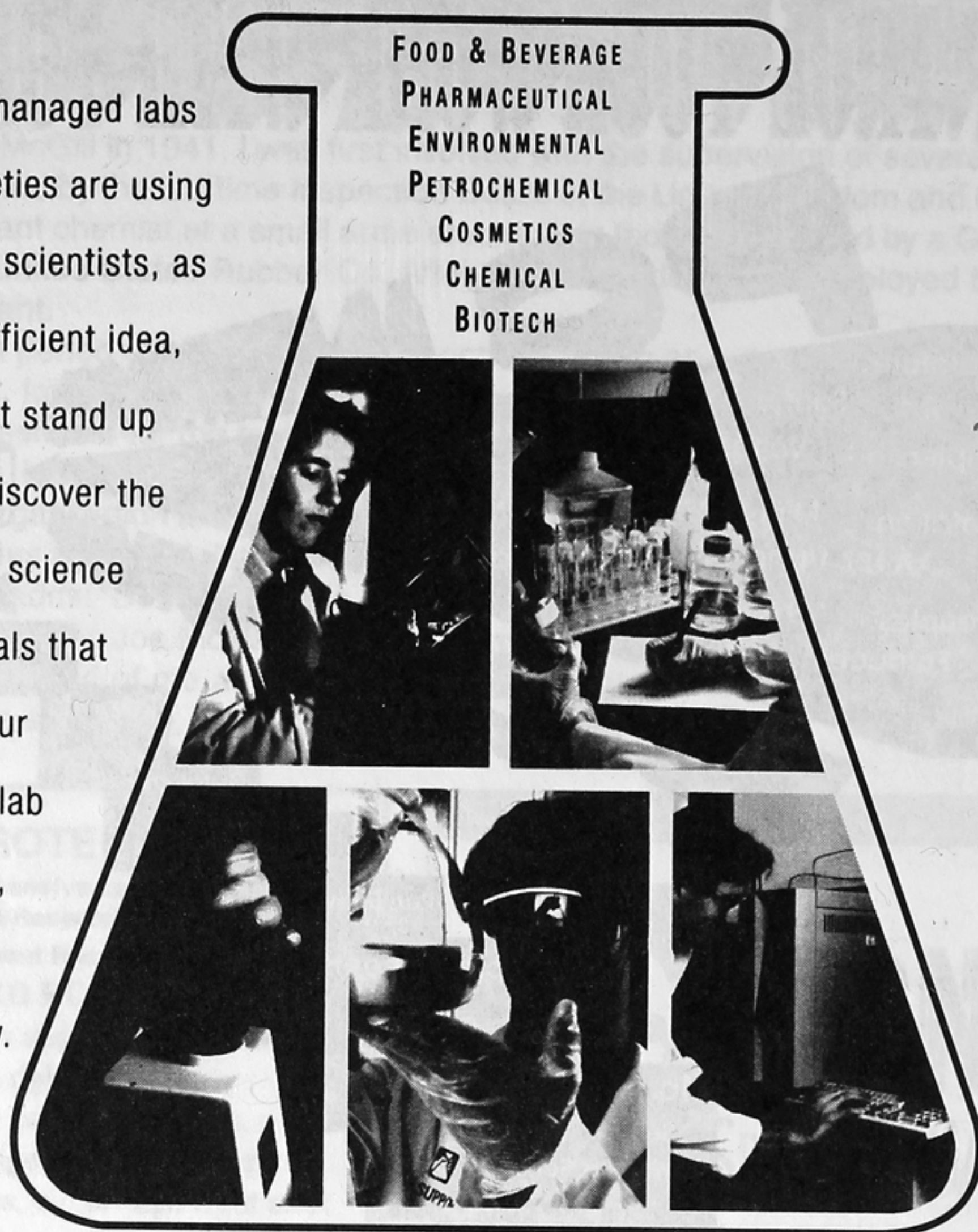
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Quarter page	33.00	36.00	95.00
Eighth page	20.00	22.00	63.00
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Payments and Cancellations: Prepayment is required if less than 8 issue advertisement. Cancellation only on 60 days notice and upon full payment of short-term rate for space used. Please make check payable to Treasurer, ACS Puget Sound Section.

Advertising Copy: Advertiser or his agent must furnish Black & White Camera Ready to size. You may supply your ad on a computer disk (3 1/2") (Please contact the typesetter listed on the inside cover of this publication for particular formatting directions.) Copy subject to publisher's approval. Proofs sent upon request.

Unemployed Members: Unemployed members of the Puget Sound Section seeking employment are allowed publication of three 1/8 page ads per year without charge.

We shall look forward to publishing your advertisements in the Chemist. For additional information, please contact:

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