

0.5
(4) **DISPLAY**

JUL 0 6 1995



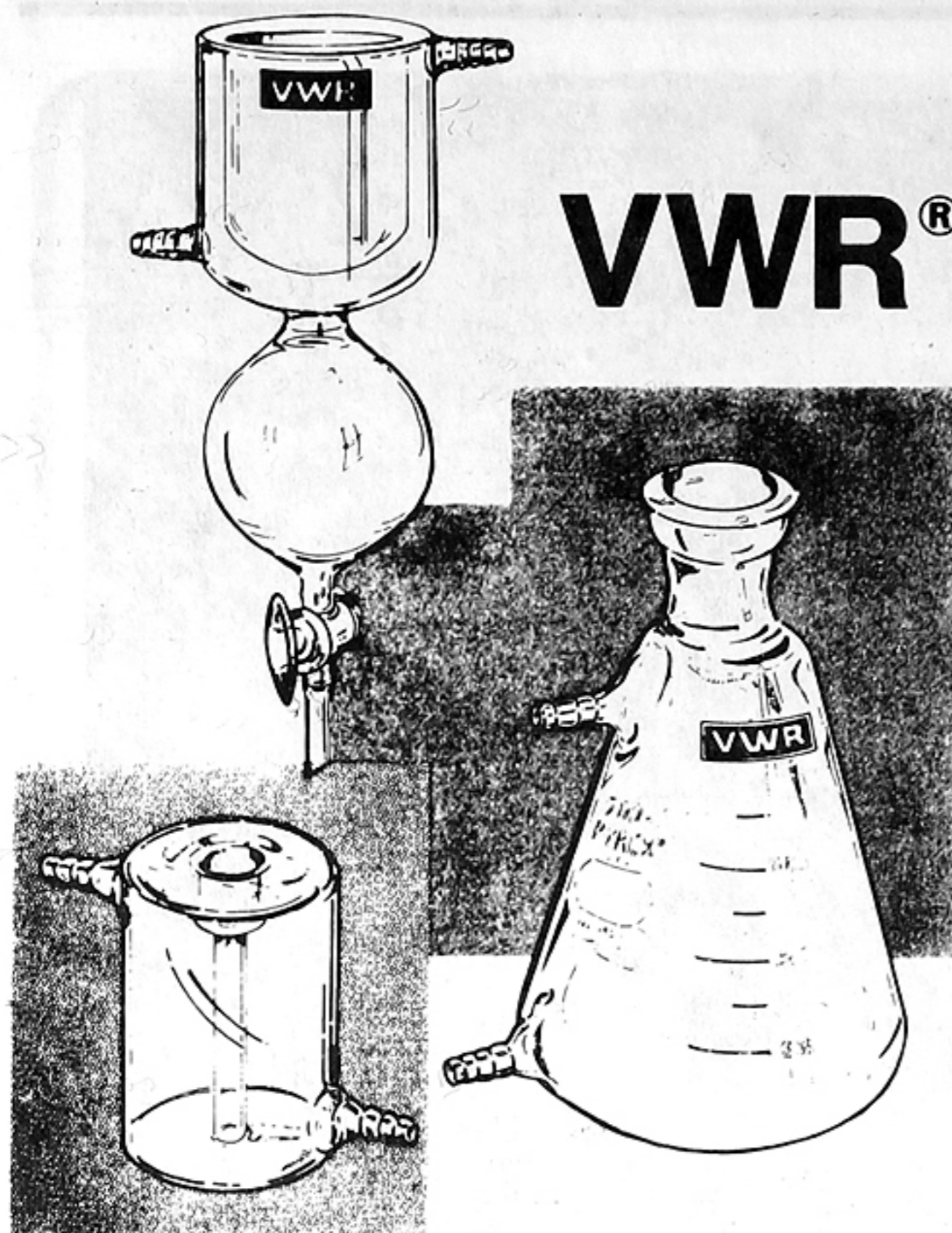
PUGET SOUND CHEMIST

BULLETIN OF THE PUGET SOUND SECTION OF THE AMERICAN CHEMICAL SOCIETY

Volume 56, Number 4



June 1995



VWR® Scientific Glass Shop

Standard glassware modified for unique applications.

- ❑ Special Items
- ❑ Creative Designs
- ❑ Complex Repairs
- ❑ Expert Consultation

VWR has expert glass blowers and glass fabricators to assist you

Conventional glassware customized. VWR glass specialists can alter the design of standard laboratory glassware in the VWR Catalog. They modify Pyrex® glassware, glass tubing and bell jars, glass plates and Corning® glass colored filters.

Unique items created. Specialized glassware needs are filled. Our glass specialists work directly with each customer. You sketch out your needs and they use imagination and experience to create your special glassware.

Unusual or conventional pieces repaired. VWR glass specialists meet the toughest repair challenges. And, most repairs cost less than the new items!

Corning® colored glass filters supplied in standard 2" squares. For your special or unusual needs, the VWR glass specialists can cut and shape larger glass filters into just the size you need.

The VWR glass shop stocks Pyrex® flat glass in many thicknesses between 1/16" and 1 1/4" sheets. For other standard laboratory glassware our glass specialists draw from VWR's huge glass inventory. And, in the rare case that we don't stock what you need, our glass shop specialists will get it for you.

Let us help you solve your glassware needs. To arrange a free consultation with a VWR glass shop specialist or for more information about the VWR Glass Shop, just call your local VWR Sales Representative.

VWR Scientific
P.O. Box 3551
Seattle, WA 98124
(206) 575-1500
1-800-333-6336

VWR Scientific

A VWR COMPANY

EARNEST ELIEL WINS 1996 PRIESTLEY MEDAL

Organic chemist Ernest Eliel has been awarded the 1996 Priestley Medal, the American Society's (ACS) highest honor. The 73 year-old Eliel has been a central figure in the study and understanding of the three-dimensional shape of molecules and the role of that structure in chemical reactions, according to an

article in the Chemical & Engineering News (C&EN, May 15, 1995), ACS's weekly news magazine. Eliel, a former ACS president, is W.R. Kenan Jr. Professor Emeritus at the University of North Carolina, Chapel Hill.

Eliel, a resident of Chapel Hill, will receive the gold medal at the ACS national meeting next March in New Orleans. The medal commemorates the work of 18th century British chemist Joseph Priestley, who emigrated to America and died at his home in Pennsylvania in 1804.

Eliel is one of a generation of chemists who revolutionized understanding of the three-dimensional aspects of modern organic chemistry in the 1950's and '60's, C&EN reports. Back in the 1950's -- in work inspired by the 1995 recipient of the Priestley Medal, Derek H.R. Barton -- Eliel found that scientists could get a much better understanding of the reactivity of certain molecules by looking at

them in two alternate three-dimensional shapes or "conformations", C&EN reports. Subsequent work led Eliel to the concept that, before undergoing a reaction, a molecule might twist into a shape that wasn't necessarily the most stable conformation, but was the most reactive one -- the conformation the molecule adopts when it is involved in a chemical or biochemical transformation.

While he considers his work in this field to be one of his most important contributions to chemistry, Eliel also is proud of the impact of his textbook about the stereochemistry of molecules, which deals with the three-dimensional arrangement of atoms in a molecule, according to C&EN. Initially published in 1962, the book has had a profound impact on synthetic chemistry, especially in areas like drug discovery. A new version of the book was published last year, and was coauthored with the late Samuel H. Wilen, who was a chemistry professor at City College of New York.

A native of Cologne, Germany, Eliel fled the country in 1938, moving to Scotland, Canada and then to Cuba, C&EN reports. He earned a B.S. in chemistry in 1946 at the University of Havana, immigrated to the U.S. the same year, and received a Ph.D. in chemistry from the University of Illinois, Urbana-Champaign in 1948. He then taught at the University of Notre Dame in Indiana until 1972, when he moved to the University of North Carolina.

Instruction has been important in his work. "I think teaching is intellectually refreshing," C&EN quotes Eliel as saying. "When you look at things that may be only remotely related to your research, questions come up that you then want to answer. This leads to new ideas."

His teaching has brought him three awards. They are the Manufacturing Chemists' Association (now the Chemical Manufacturers Association) College Chemistry Teacher Award, the Amoco Teaching Award at UNC, and the George C. Pimental Award in Chemical Education sponsored by Union Carbide Corporation. Other honors include election to the National Academy of Sciences and the Laurent Lavoisier Medal from the French Chemical Society.

Eliel has served in several ACS posts, including councilor from 1966-73 and 1975 to present, member of the board of directors from 1985-93, chairman of the board from 1987-89, and president of the Society in 1992. He also spent nearly 20 years on the publications committee, including four years as its chairman. Former recipients of the Priestley Medal include Carl Djerassi, Linus Pauling and Glenn Seaborg.

THE 1996 NATIONAL TECHNICIAN OF THE YEAR AWARD CALL FOR NOMINATIONS

The National Technician of the Year Award will be presented to a chemical technician who has demonstrated an extremely high degree of professionalism as a chemical technician. Criteria used to judge the award include job skills, safety and housekeeping, relationship with co-workers, publications and presentations, reliability, communication skills, and additional professional and community activities. Nominees must have worked for a minimum of five years as a chemical technician. The award will consist of a trip to the 211th ACS National Meeting in New Orleans, Louisiana for the winner and their spouse. A plaque commemorating the award will be presented at the CTA/TECH National Technician of the Year Award Banquet in New Orleans on Monday, March 25, 1996.

The ACS defines a chemical technician as a person whose training includes successful completion of a two-year post-high school level chemistry curriculum leading to an Associate Degree, or the equivalent course work in a Baccalaureate Program, or the equivalent knowledge gained by experience. The primary work of a chemical technician is conducting experimentation and/or correlating information to help solve chemical problems and/or discover new chemical knowledge.

Letters of nomination must be received by Susan Schermes, Monsanto-EHL, 645 South Newstead Avenue, St. Louis, MO 6311 no later than October 15, 1995. Nominations, including seconding letters, must not exceed six pages. The nominating letters should address each of the criteria above. A current work address must be provided for each nominee and the nominator.

Chemical technicians need not be a Technician Affiliate or ACS member to be eligible for this award. This award is sponsored by the Council on Technician Activities of the American Chemical Society and the Division of Chemical Technicians.

For more information contact Susan Schermes at (314) 694-7958, FAX (314) 694-7938

FUTURE MEETINGS, 1995

Thursday, September 28

Mr. Al Krisciunas, Argonne National
Laboratory: "Radon - The Ubiquitous Gas!"

Thursday, November 9

Dr. Natalie Foster, Lehigh University:
"Strong Poison: Chemistry in the Mysteries of
Dorothy L. Sayers"

Please Note: Next issue of the Puget Sound Chemist will be out in September.
We wish you all a wonderful Summer.

CHANGE OF ADDRESS?

Please note that the local section does not prepare its own labels, but gets them from the Local Section Activities division of the American Chemical Society. Therefore, notice of 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 notice to: **Manager, Member & Subscriber Services, ACS, P.O. Box 3337, Columbus, OH 43210; phone: (800) 333-9511 or (614) 447-3776.**

Scientific Products Industrial & Life Sciences

Your Super Source for Chemicals . . .

Burdick & Jackson J.T. Baker
Mallinckrodt Ricca

To Order, Call **1-800-234-5227**

Baxter

Move up to higher levels of confidence, with HP's powerful new UV-Vis system.

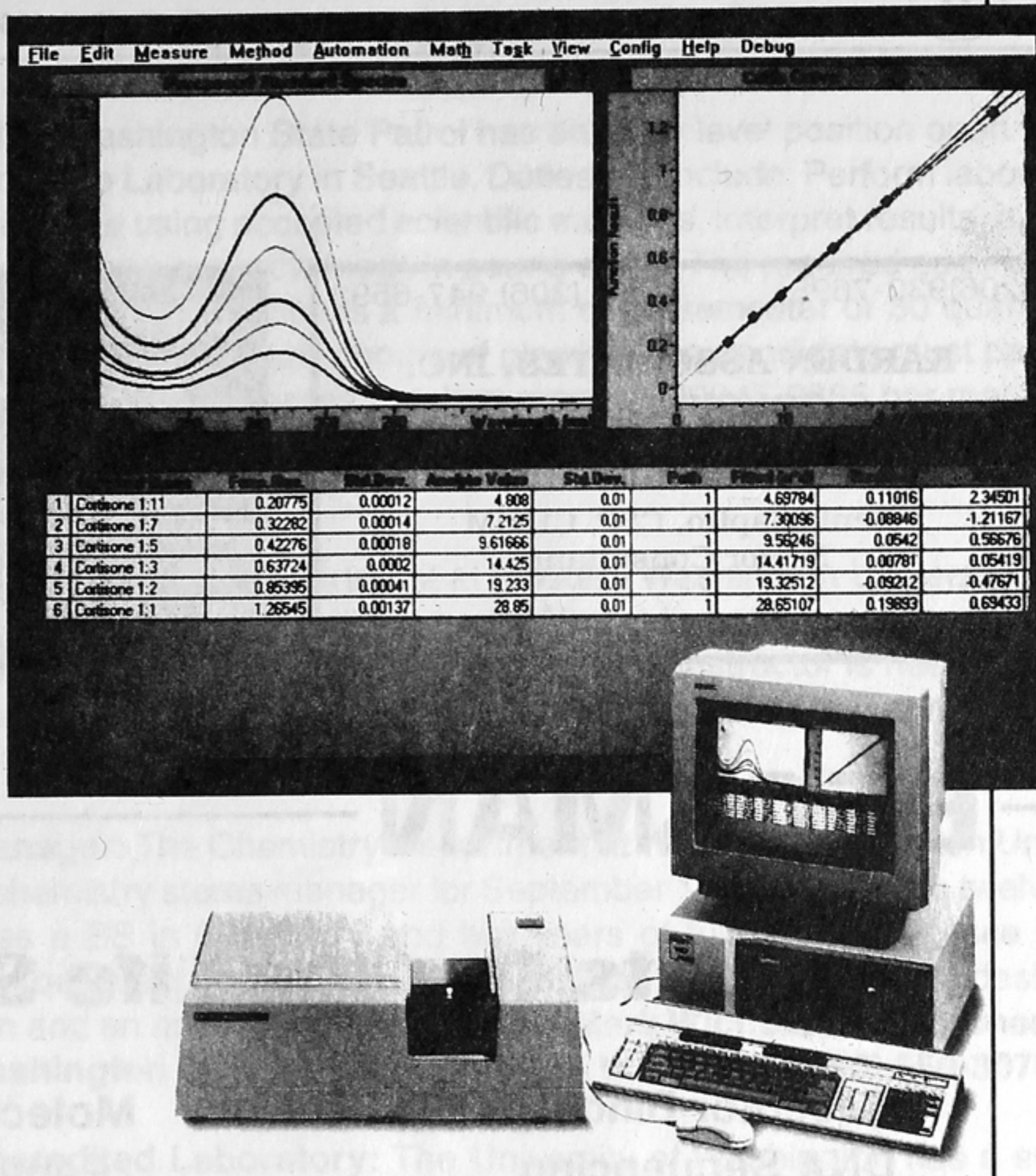
Comprehensive support for GLP

HP's diode-array technology

Table-driven automation of analyses

Tools to help customize solutions.

Easy-to-use Microsoft® Windows interface



The HP 8452Win diode-array UV-Visible spectrophotometer helps you meet GLP.

The sheer problem-solving power, which surpasses our new UV-Vis system's ChemStation capabilities.

To meet GLP, the ChemStation offers a comprehensive set of tools to ensure hardware/software security, and that document data integrity. And HP's diode-array

technology further assures you of reliable, reproducible results.

Customizing is easy too. Using work lists and macros, you can quickly automate complex research or routine testing tasks. An easy-to-use Microsoft® Windows-based interface lets you smoothly exchange data between applications. And you can share information throughout your organization, with the HP Unified Lab strategy.

Our exclusive single-vendor solution includes HP's industry-standard diode-array spectrophotometer, PC, peripherals, software and accessories. All backed by HP's reputation for reliability and service.



For More Information Call: Dave Randle at (503) 598-8283

LABORATORY GLASSWARE & CUSTOM GLASSBLOWING

Standard Lab Glassware • Specialty Glassware • Glassware Components

Need a special piece made? We can make it for you!

(Call us TODAY for a FREE copy of our complete catalog.)

Distillation Apparatus • Vacuum Apparatus
Flasks • Adapters • Condensers

Broken Glassware? We can repair it!

TUDOR SCIENTIFIC GLASS COMPANY, INC.

555 EDGEFIELD RD., BELVEDERE, SC 29841 • PHONE: (803) 279-4666 FAX: (803) 279-4690

(206)932-7698

Car: (206) 947-6593

KARDEN ASSOCIATES, INC. CONSULTANTS

Safety and Regulatory Compliance

Denis Sapiro, CSP, CHMM
Senior Consultant

3241 44th Ave. SW • Seattle, WA, 98116

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

BECKMAN

Products for the Life Sciences

Receptor Binding
DNA Sequencing
Pharmaceutical QA/QC

Molecular Biology
Peptide Mapping
Radiochromatography

System Gold HPLC
Capillary Electrophoresis
UV/VIS Spectrophotometers
Liquid Scintillation Counters
pH Meters

Centrifugation
Robotics
Lab Information Management Systems (LIMS)
Supplies
Field Service

Beckman Instruments, Inc., Western Sales

1050 Page Mill Road, P. O. Box 10015

Palo Alto, CA 94303

1-(800) 742-2345

CALL FOR NOMINATIONS FOR 1996 SECTION OFFICERS

Suggestions for nominations for 1996 officers of the Puget Sound Section of the American Chemical Society should be made to Mr. Mark Buchli, Chair, Puget Sound Section, P.O. Box 24032, Seattle, WA 98124-0032. We need your help and participation at all levels as officers of the section or members of various committees.

POSITION OPEN

Forensic Scientist: The Washington State Patrol has an entry level position open for a Forensic Scientist in their Crime Laboratory in Seattle. Duties will include: Perform laboratory analyses 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 natural science which includes a minimum of 20 semester or 30 quarter hours of chemistry and 5 semester or 8 quarter hours of physics. The candidate must pass a background investigation. The position carries a salary range of \$2245-2865 per month. For a copy of the bulletin, application form and personal background evaluation form, please call **(360) 438-5868**.

Teaching Position: The Chemistry Department at Western Washington University is currently developing a vacancy pool roster that will be used to fill part-time, temporary teaching positions in general chemistry for the 1995/96 academic year. One instructor is needed for fall quarter (one course), and other classes may be available during winter and spring. For further information, contact **Denise Hougen at (360) 650-3070**.

Chemistry Stores Manager: The Chemistry Department at Western Washington University anticipates hiring a chemistry stores manager for September 1, 1995. This is a twelve month position and requires a BS in Chemistry and two years of full-time experience in stockroom management or equivalent education/experience. Glassworking skills are desirable. For further information and an application form, contact **Mark Wicholas, Department of Chemistry, Western Washington University, Bellingham, WA 98225 (360) 650-3070**.

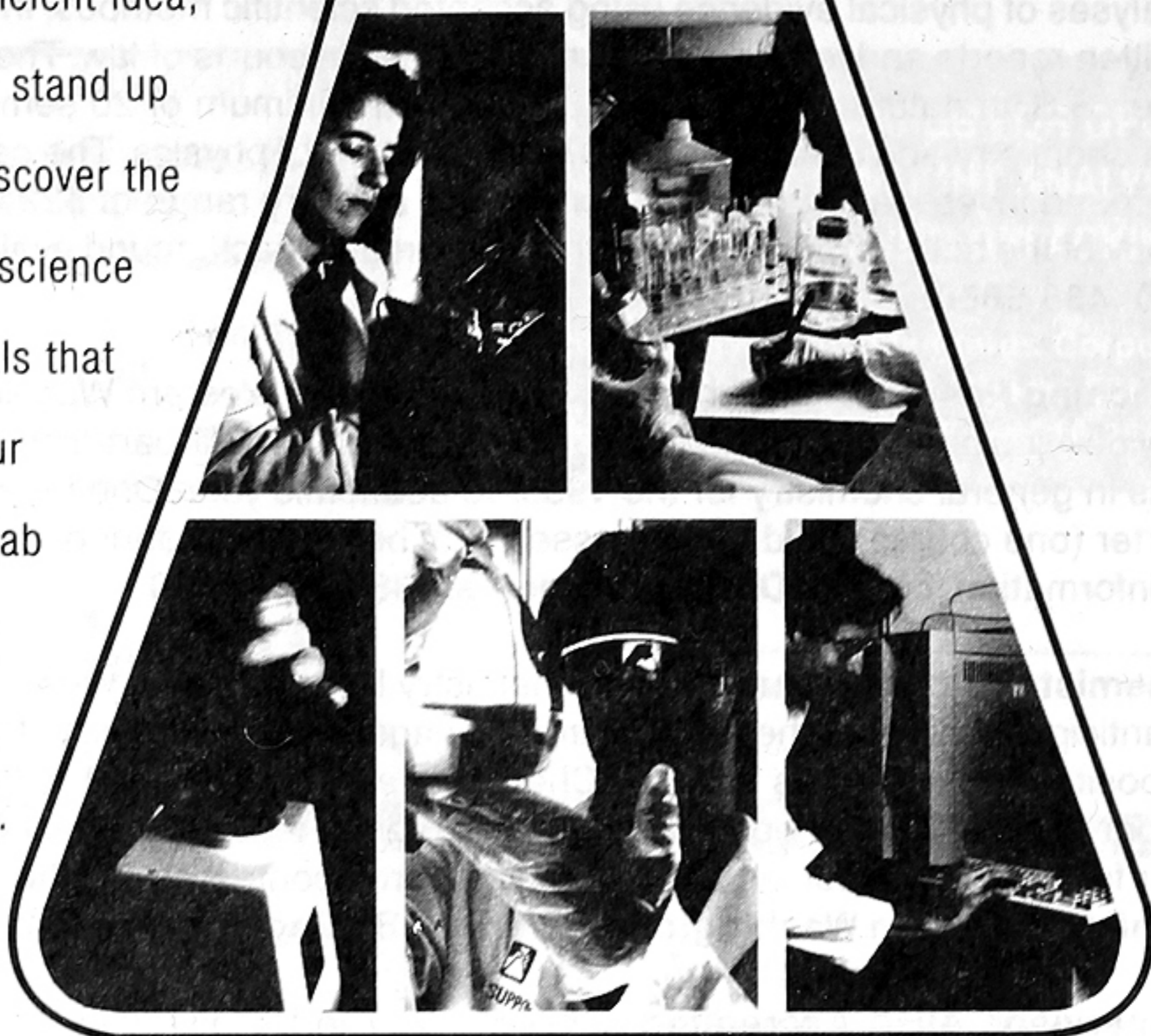
Supervisor, AIHA Accredited Laboratory: The University of Washington has a supervisory position open in the Department of Environmental Health. The individual selected will: Provide day-to-day administrative and technical management for a University R&D and service laboratory program; oversee personnel (4-7 technical staff plus students), lab facilities, sample & data management; responsible for lab safety, QA/QC, method selection, implementation and development, accreditation.

The position requires a Ph.D. in Chemistry or a closely related field; an M.S. plus equivalent professional experience may be substituted. Experience in an AIHA-accredited laboratory and ABIH certification or eligibility within a year of hire required. Laboratory management experience and expertise with a variety of analytical instruments is desired. Letters of application with resume and the names and addresses of three references should be sent by July 15, 1995, to: **Dr. David Kalman, Lab Director, University of Washington, Dept. of Environmental Health, SC-34, Seattle, WA 98195**. The University of Washington is an Equal Employment Opportunity/Affirmative Action Employer.

Who Do You Call When You're Short-Handed in the Lab?

The best managed labs of the nineties are using temporary scientists, as needed. Efficient idea, but it won't stand up until you discover the service for science professionals that delivers your temporary lab staff easily, accurately, and quickly.

FOOD & BEVERAGE
PHARMACEUTICAL
ENVIRONMENTAL
PETROCHEMICAL
COSMETICS
CHEMICAL
BIOTECH



- All our Account Managers are degreed scientists with lab experience who'll understand your needs in one short phone call.
- Pre-interviewed, pre-screened selection of temporary lab employees are ready to work when you need them.
- The personnel you need in as short as 24 hours after your initial call.

**Call your Lab Support Account Manager at
206-622-6323**



LAB SUPPORT®

Science Professionals on Assignment

BYLAWS OF THE PUGET SOUND SECTION OF THE AMERICAN CHEMICAL SOCIETY

Bylaw I. Name.

The name of this organization shall be the PUGET SOUND SECTION, hereinafter referred to as "the Section", of the AMERICAN CHEMICAL SOCIETY, hereinafter referred to as "the SOCIETY".

Bylaw II. Objects.

The object of the Section is the encouragement and advancement of chemistry in all its branches, the increase and diffusion of chemical knowledge, the promotion of scientific interests and inquiry, and the stimulation of the professional interest and promotion of the well-being of its members. A further object is a close cooperation with other nearby local sections for the sponsoring of regional activities.

Bylaw III. Territory and Headquarters.

The territory of the Section shall be that assigned to it by the SOCIETY. The headquarters of the Section shall be at Seattle, Washington.

The Millennium 2010 Chromatography Manager. It's not just a new product, it's a milestone.

The Millennium™ 2010 Chromatography Manager is the only chromatography data system that adapts to the way you do chromatography.

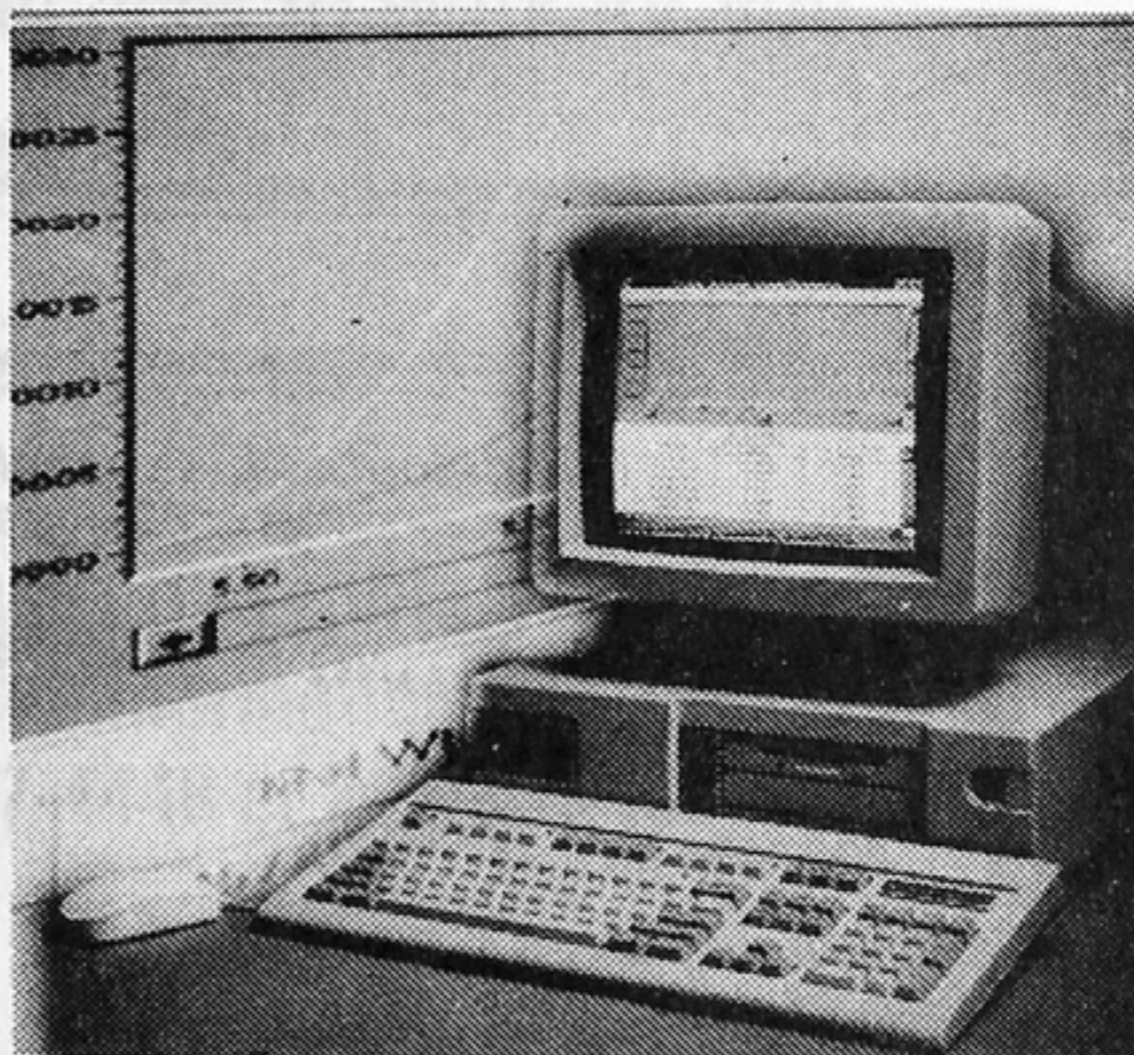
- Microsoft Windows™ 3.1 makes it easy to learn and easy to use.
- Unique tracking and managing of chromatographic methods and results so you can:
 - Develop customized reports with the Report Publisher.
 - Search and review specific samples based on your unique parameters (i.e., lot number, operator ID, sample name).
- System Suitability option that establishes and verifies operating parameters.

The Millennium™ 2010 Chromatography Manager. So advanced, it will make history out of every other way of doing chromatography.

For more information, call Mike Leahy at 1-800-632-2708 ext: 2147

MILLIPORE

Waters Chromatography



Bylaw IV. MEMBERS, ASSOCIATE MEMBERS and National Affiliates.

Section 1. The rolls of the Section shall include those MEMBERS, ASSOCIATE MEMBERS, and National Affiliates of the SOCIETY residing within the territory of the Section provided that exceptions to this rule shall be made in conformity with the Constitution and Bylaws of the SOCIETY.

Section 2. Any person not a MEMBER, ASSOCIATE MEMBER or National Affiliate of the SOCIETY may become a Local Section Affiliate after having been nominated in writing by the Membership Committee and having said nomination approved by the Executive Committee of the Section. The Chairperson shall have ad interim authority to approve properly submitted applications for affiliation.

Section 3. MEMBERS, ASSOCIATE MEMBERS, National Affiliates, and Local Section Affiliates shall have such rights and privileges as are accorded them by the Constitution and Bylaws of the SOCIETY. All MEMBERS and ASSOCIATE MEMBERS of the AMERICAN CHEMICAL SOCIETY may vote. An ASSOCIATE MEMBER is entitled to all other privileges of membership except that of holding an elective position. National Affiliates and Local Section Affiliates may not vote for or hold an elective position of the Section, vote on articles of incorporation and bylaws of the Section, or serve as voting members of the Executive Committee.

Bylaw V. Organization.

Section 1. The officers of the Section shall be a Chairperson, Chairperson-Elect, Secretary, and Treasurer.

Section 2. The Section shall have Councilors and Alternate Councilors as provided in the Constitution and Bylaws of the SOCIETY.

Section 3. The Executive Committee shall consist of the officers of the Section, the immediate Past Chairperson, the Councilors, Alternate Councilors and the Editor of the Puget Sound Chemist.

Section 4. All officers, Councilors, Alternate Councilors, and other persons elected by the members, shall be chosen only from those having MEMBER status in the SOCIETY. ASSOCIATE MEMBERS are not eligible.



Christopher L. Getchell
Oceanographer / Biologist

BIOASSAY TESTING SERVICES

8455 S. 19th Suite 12A
Tacoma, WA 98465
206-565-5492

Acute and Chronic Toxicity Testing
Hazardous Waste Characterization
NPDES Permit Compliance

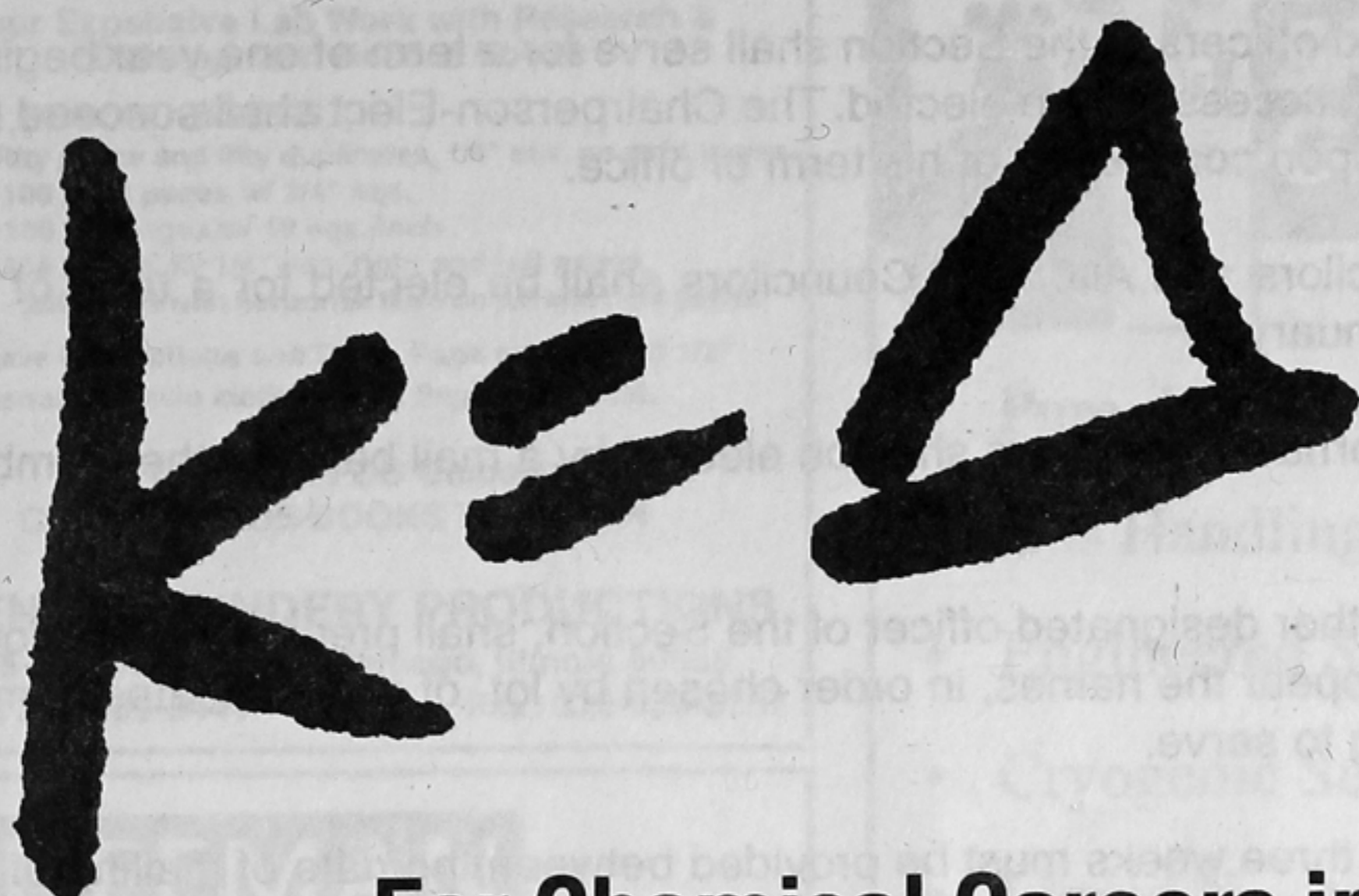


spectron corporation

PHIL JOHNSON
SALES & SERVICE REPRESENTATIVE

We buy, rebuild and resell laboratory instrumentation

11025 - 118th Place N.E. • Kirkland, WA 98033 • (206) 827-9311



For Chemical Careers in the '90s, The Only Constant is Change

Prepare for change with ACS Career Services:

- ◆ Career Consultants
- ◆ Employment Clearing Houses
- ◆ Professional Data Bank
- ◆ Resume Review
- ◆ Salary Surveys
- ◆ Classified Ad Discounts

and more!

Put ACS Career Services to work for you
... for your entire career.



ACS CAREER SERVICES

For more information call Erika sat
800/227-4448 or 202/872/4432

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 January 1 or until their successors are elected. The Chairperson-Elect shall succeed to the office of Chairperson upon completion of his term of office.

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

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

(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.

(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.

(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.

(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.

(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 chose a MEMBER to fill out the unexpired term, if any. In the event of 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.

A FIRST IN CANADA FOR INDEPENDENT LABORATORIES

SGS Canada Inc. is pleased to announce the certification of its
GENERAL TESTING LABORATORY DIVISION to the:
ISO 9002 QUALITY MANAGEMENT SYSTEM

This prestigious award is indicative of our commitment to provide customers with reliable analytical services in food, agriculture, petroleum and mining industries, Societe Generale de Surveillance (SGS), the world's largest control and inspection organization, offers a wide range of quantity and quality checks and related technical services. GTL offers services evaluating the quality of food, health products, and agricultural products with both chemical and bacteriological analysis.



SGS Canada Inc.

General Testing Laboratories Division
1001 East Pender St., Vancouver, B.C., Canada V6A 1W2
Ph: (604) 254-1647 FAX (604) 254-2148

Contact: Peter Taylor, General Manager-Laboratories (as above)
or: Christopher Frie, Chief Chemist (as above)
Tom Taylor (604) 687-5636

PROTECT

Your Expensive Lab Work with Research & Development Record Books

STOCK RECORD BOOKS

150D - Fifty pages and fifty duplicates, 1/4" sqs. on right pages

1100P - 100 right pages w/ 1/4" sqs.

100 left pages w/ 10 sqs./inch

1200P - 208 pages, w/ 1/4" sqs. right and left pages

1200PH - 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.

\$11.00 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

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



BYRNE SPECIALTY GASES, INC.

- Pure, Mixed & Rare Gases
- Gas Handling Equipment
- Engineered Systems
- Cryogenic Supplies
- Liquid N₂, Ar

Express Gas &
Emergency Delivery
(206) 764-4633

118 South Mead Street
Seattle, WA 98108

1 (800) 767-4601

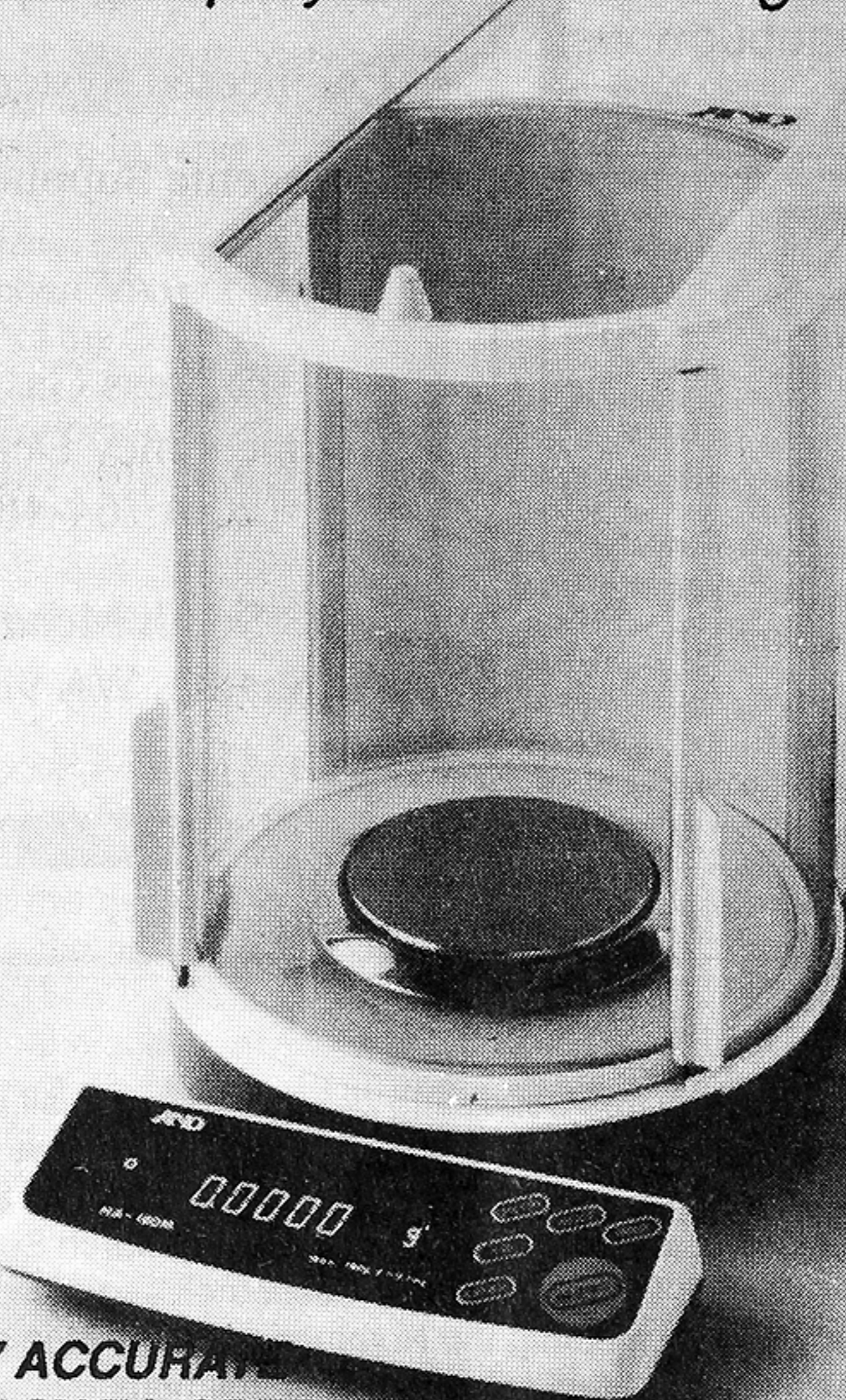
FAX (206) 763-3753

Section 4. A Nominating Committee consisting of five persons shall be appointed by the Chairperson by February 1 and approved by the Executive Committee at the February Executive Committee Meeting each year. The entire membership of the Section shall be informed as to the names of the members of this committee at the March Section Meeting in order that the members may express their views and present their suggestions to the Nominating Committee. At the regular May meeting the Nominating Committee shall submit one or more nominations for each office. At this meeting additional nominations may be made from the floor. Such nominations from the floor may be made only at the May meeting. In the event that the above procedures result in only one nomination for a given office, the chairperson of the meeting shall instruct the Secretary to cast a unanimous ballot in favor of said unopposed nominee. In the event that the above procedures of nomination produce more than one nomination per office, a ballot is to be prepared specifying the choices of the Nominating Committee and also listing nominations from the floor. This ballot shall be distributed to members of the Section and must reach the members at least three weeks before the regularly scheduled October meeting. Ballots shall be returned to the Secretary at least one week before the regular October meeting. The ballots shall be tabulated and the results announced during the October meeting.

A&D

A&D WEIGHING DIVISION

Featuring the new HA-M series analytical balances with a uniquely accessible weighing chamber.



- **HIGHLY ACCURATE**
- **EASY TO OPERATE**
- **WITH ADVANCED STABILIZATION SOFTWARE**

All-World Scientific is your Puget Sound source for the full A&D line of toploading, analytical, and moisture balances, now with a **3 year** warranty!

Call us to find out just how affordable a quality balance can be.



5515 - 186th Pl SW, Lynnwood, WA 98037
(206) 672-4228 • FAX (206) 776-1530
Toll Free 1-800-28WORLD (289-6753)

Bylaw VII. Duties of Officers and Executive Committee.

Section 1. The duties of the officers shall be those customarily performed by such officers, together with those responsibilities prescribed by the Constitution and Bylaws of the SOCIETY and by these bylaws and such other duties as may be assigned from time to time by the Executive Committee.

Section 2. The Chairperson of the Section shall serve as Chairperson of the Executive Committee and shall appoint all committees authorized in these bylaws or by the Executive Committee.

Section 3. The Executive Committee shall be the governing body of the Section, and as such, shall have full power to conduct, manage, and direct the business and affairs of the Section in accordance with the Constitution and Bylaws of the SOCIETY and these bylaws.

Bylaw VIII. Committees.

Section 1. There shall be the following standing committees:

Awards	Membership
Education	Program
Employment	Professional Relations & Status
Finance	Public Affairs
Hospitality	Public Relations
Long-Range Planning	Regional Activities

Section 2. The Chairperson, with the approval of the Executive Committee, shall appoint the chairperson of each of the standing committees and the Editor of the Puget Sound Chemist. The Chairperson shall also appoint representatives to Local Technical Organizations with which the Section is affiliated as authorized in these bylaws.

Bylaw IX. Meetings.

Section 1. The Section shall hold not less than eight regular meetings each year at time and places designated by the Executive Committee.

Section 2. The Section may hold special meetings at the call of the Executive Committee or by the call of the Secretary or the written request of twenty-five members of the Section. The notices of special meetings shall state the exact nature of the business to be transacted and no other business shall transpire at such meetings.

Section 3. Due notice of all meetings shall be sent to each member and affiliate of the Section. A quorum for any meeting of the Section shall consist of those members present at that meeting.

Section 4. At the regular meetings of the Section the rules of order, not specifically provided in these bylaws, shall be Robert's "Rules of Order".

Section 5. The Executive Committee shall meet upon due notice to its members at the call of the Chairperson or at the request of a majority of the Committee. A quorum shall consist of fifty percent of the Executive Committee. In the absence of a quorum, called meetings of the Executive Committee shall adjourn to a date.

Bylaw X. Dues.

Section 1. Assigned National Affiliates and all members of the Section, except members in emeritus status of the SOCIETY, may be assessed such annual local section dues as may be set by the Executive Committee.

Section 2. A Local Section Affiliate shall retain his affiliate status only so long as payment is made of Local Section dues of two dollars and fifty cents (\$2.50) per annum more than members, except that a regularly matriculated student specializing in chemistry or chemical engineering may be accepted as a Local Section Affiliate on payment of one dollar (\$1.00) per annum.

Bylaw XI. Amendments.

Section 1. A proposed amendment to these bylaws must first be submitted in writing to the Executive Committee. If it is approved by a majority of the Executive Committee, the Secretary shall furnish all members of the Section with copies of the proposed amendment at the time when notice of the next meeting of the Section is given. In the event that a proposed amendment is not approved by the Executive Committee, the amendment may be brought before the membership by presenting the Secretary with a petition containing the signatures of 10% of the membership of the Section. The Secretary shall then furnish all members of the Section with copies of the proposed amendment at the time when notice of the next meeting of the Section is given.

Section 2. At the second meeting of the Section after notice of the proposed amendment is given, the amendment may be adopted by three-fourths of the votes of the members present. The amendments shall become effective upon approval by the Council unless a later date is specified.

Bylaw XII. Dissolution of the Section.

Upon the dissolution of the Section and the discharge of its debts and the settlement of its affairs, any funds and property of the Section remained thereafter shall be used for the advancement of chemistry in the area covered by the section. In the event this procedure is not practical, or there still remain unexpended funds, such funds shall be conveyed to the Society for the general purposes of the SOCIETY.

Bylaw XIII. Affiliation with Local Organizations Composed of Scientific, Engineering, and/or Technical Societies.

Section 1. The Puget Sound Section may affiliate with the Puget Sound Engineering Council in accordance with the provisions of the Bylaws of the AMERICAN CHEMICAL SOCIETY.

Society for Industrial Microbiology

The Puget Sound Section of the Society of Industrial Microbiology (SIM) will hold the September meeting on September 12, 1995 at Panlabs in Bothell, WA with a social meeting at 6:30 pm and the formal meeting at 7:30 pm. Dr. David Galas, CEO and Director of R&D at Darwin Molecular Corp., will speak on New Uses of Oligonucleotides Created by Directed Molecular Evolution Techniques.

There is a charge of about \$5.00 per person for wine and cheese/hors d'oeuvres served during the social hour. For more information, please contact Mr. Nels B. Cone at 782-9254.



Member FYI

GIFTS FOR YOU, DOLLARS FOR YOUR LOCAL SECTION

The annual ACS Member-Get-A-Member Campaign will run from April to July 1995. Participating members will have their choice of a mini **MAGLite** or a coupon for \$10.00 off their 1996 membership dues in appreciation for contribution to the Society's membership development. This campaign could be profitable for the local section too. The section will receive \$10.00 for each first time candidate who is accepted for full membership and \$5.00 for each person who reinstates membership through the efforts of local section members.

Here's how Member-Get-A-Member works. Please have your nominee apply for membership by completing the special application which will arrive in your mail box in mid-April. Include your signature in the *Nomination* box on the application. To ensure that the section receives its commission, please write the section's name in the shaded box on the lower right corner of page one.

Once your candidate is approved for membership, the ACS will send you a gift -- the mini **MAGLite**, which has a high-density light beam that can be used as a flood or spot beam, is water and shock resistant and converts quickly to a free-standing candle mode. If you prefer, you may select the coupon for \$10.00 off your 1996 dues. Thank you for your support!

For information about ACS member benefits and programs call the ACS Department of Membership Activities at 800/227-5558 (at the menu press 9-3-3) or 202/872-8737, or send electronic mail to meminfo@acs.org.



Member Alert

HELP SUPPLEMENT SECTION FUNDS -- THE EASY WAY

Members who recommend others for membership in the ACS can also help their local section supplement its funds at the same time. Just recommend to your colleagues and friends applying for membership that they include the name of the local section on their application before returning it to the national ACS. (In addition, invite them to attend the next meeting of your local section.)

Local sections receive a \$10.00 commission for each first time candidate who is accepted for membership and a \$5.00 commission for each person who reinstates membership through the efforts of local section members. The stipulation is that the section's name must appear in the **Local Section/Division Commission Claim** box or at least somewhere on the application before the national ACS will award the Commission.

Commissions can add up quickly, especially during the ACS Member-Get-A-Member campaign and other member-related promotions. However, the section needs your support. Therefore, if you nominate someone for membership, whether through the ACS Member-Get-A-Member Campaign or some other avenue, please include the name of your local section. Thank you for your support!

For information about ACS member benefits and programs call the ACS Department of Membership Activities at 800/227-5558 (at the menu press 9-3-3) or 202/872-8737, or send electronic mail to meminfo@acs.org.

Puget Sound Chemist

The Puget Sound Chemist is published 8 times a year, September through June with average issue running about 16 to 20 pages.

Circulation: Approximately 1800

Deadline: First of the month preceding the month of insertion.

Mechanical Requirements: The advertisements may use space in the following sizes:

Full page	4 1/2" wide	by	7 1/2" deep
Half page	7 1/2"	by	3 3/4"
Half page (vertical)	2 1/4"	by	7 1/2"
Quarter page	2 1/4"	by	3 3/4"
Quarter page (vertical)	4 1/2"	by	1 7/8"
Eighth page	4 1/2"	by	1 15/16"
Eighth page (vertical)	2 1/4"	by	1 7/8"
Business card	2 1/4"	by	1 1/4"

Advertising Rates Per issue: Effective January, 1992.

<u>Space</u>	<u>8 issues</u>	<u>5 issues</u>	<u>1 issue</u>
Full page	\$92.00	\$98.00	\$190.00
Half page	55.00	58.00	127.00
Quarter page	33.00	36.00	95.00
Eighth page	20.00	22.00	63.00
Business Card	12.00	13.00	32.00

Cancellations: Cancellation only on 60 days notice and upon full payment of short-term rate for space used.

Advertising Copy: Advertiser or his agent must furnish glossy prints or, if possible, a copy on a computer disk (3 1/2") in a TIFF file (*.TIF) format together with a printed copy, or may request an estimate of charges for typesetting the copy. 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:

Business Manager
Brad Burford
Phone: 206-885-5010, Ext: 5377

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

PUGET SOUND CHEMIST



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

**EXECUTIVE COMMITTEE
PUGET SOUND SECTION**

Editor
V.K. Bhat 206-745-9550

Chairperson
Mark Buchli 206-528-0934

Business Manager
Brad Burford 206-885-5010
Ext: 5377

Chairperson-elect
Arden Forrey H: 206-524-5158
W: 206-616-1875

Councilors
William J. Wasserman(1995) 206- 587-5438
Mark Wicholas (1996) 360-676-3071
Herb Bryce (1997) 206-587-6921

Past Chairperson
Randy Eatherton 206-924-6431

Secretary
Diane Davis 206-684-2397

Alternate Councilors
John Westland (1995)
Deborah Wiegand (1996) 206-641-1553
Tim Hoyt (1997) 206-756-3833

Treasurer
David Munch 206-523-3763

Printing
G & H Printing
2370 Eastlake Ave. E.
Seattle, WA 98102
206-329-9888 FAX206- 324-3705

Typesetting
P.Horbett Graphic Design
2366 Eastlake Ave. E. #317
Seattle, WA 98102
206-328-6278 FAX 206-328-0243

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

Published eight times during the September-June portion of the year by the Puget Sound Section of the American Chemical Society. 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 1995

Meetings are open to all members and are held on the second Wednesday of each month

September 13, October 11, November 8

**Place: Seattle University
Meeting: 6:30 PM in Room 511
Engineering Building**

Accuracy with speed

Complete Microanalysis Services

Analysis for all elements • Trace analyses • Environmental Analyses • GLP • GMP

GALBRAITH LABORATORIES, INC.



**Since
1950**

Tel: (615) 546-1335 • Fax: (615) 546-7209

P.O. Box 51610 2323 Sycamore Drive
Knoxville, TN 37950-1610 Knoxville, TN 37921-1750

Call or write for our information packet.

- CHEMICAL TESTING
- MECHANICAL TESTING
- SURFACE ANALYSIS
- PRODUCT TESTING
- MEDICAL TESTING
- SPECTROSCOPY
- THERMAL ANALYSIS
- FORENSIC TESTING
- USP ANALYSIS
- DEFORMULATION



**PLASTICS ANALYSIS
ASTM INJECTION MOLDING
DYNAMIC MECHANICAL PROPERTIES**

444 W. County Rd. D
St. Paul, MN 55112
(612) 631-9412
FAX (612) 631-8405

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

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