

*Puget
Chem*



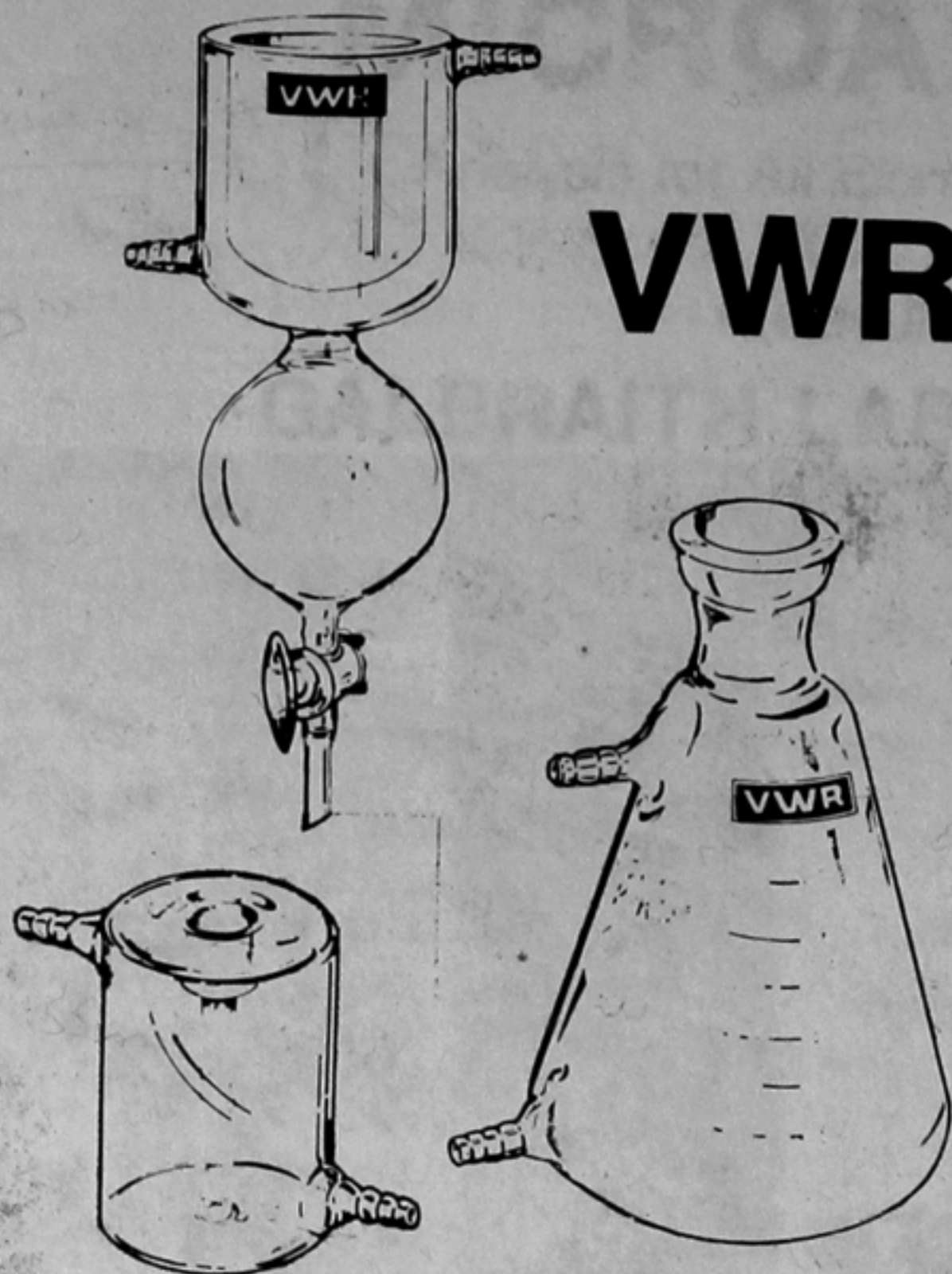
PUGET SOUND CHEMIST

BULLETIN OF THE PUGET SOUND SECTION OF THE AMERICAN CHEMICAL SOCIETY

Volume 53, Number 5



September 1992



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

On the cover: PANLABS INC., USA Facility in Bothell, WA, site of the September meeting of the Puget Sound Section of the American Chemical Society (see related articles in this issue).

SEPTEMBER MEETING

- DATE:** Saturday, September 26, 1992
- PROGRAM:** Tour of PANLABS INC., USA Facility
- LOCATION:** 11804-North Creek Parkway South
Bothell, WA
(206) 487-8200
- SCHEDULE:** 12 noon — Tour of PANLABS to last about one hour.
- LUNCH:** Picnic at grassy areas around facility. Boxed lunches provided for \$10.00, or bring your own.
- NOTE:** When you reserve your box lunch, you have an obligation to pay. Once the food is ordered, the section is billed even if you do not show up.
- DIRECTIONS:** From Eastside—Follow I-405 north past Bellevue; take the N.E. 195th St. (Beardslee Blvd.) exit; turn right at top of exit; and turn right at traffic light (North Creek Parkway) into Quadrant Business Park. Follow road around to PANLABS building.
From Seattle—Take I-5 north past Lynnwood; exit to I-405 southbound (to Bellevue); exit at N.E. 195th St. (Beardslee Blvd.). Turn left at top of exit; follow 195th east to traffic light at North Creek Parkway; turn right into Quadrant Business Park and follow road around to PANLABS building.
- RESERVATIONS:** Please specify tour and/or boxed lunch.
All reservations must be made by NOON, Tuesday, Sept. 22.
Seattle: 543-1610 Bellingham: 676-3070
Tacoma: 535-7530

FUTURE MEETINGS 1992

- | | |
|------------------------|---|
| October 19
Monday | Dr. Ernest Simpson, California State Polytechnic University
"Chemistry of Wine" |
| October 31
Saturday | Western Washington University, Bellingham
1992 Pauling Award
Puget Sound Section, Host
University of British Columbia
Vancouver, B.C. |
| November (16-21) | Dr. Carleton B. Moore, Arizona State
"Chemistry of the Moon's Surface" |

ADDRESS FOR THE *PUGET SOUND CHEMIST*

Publicity for local events, news of interest to the local section, and inquiries regarding publication of the *Puget Sound Chemist* should be sent to our new address:

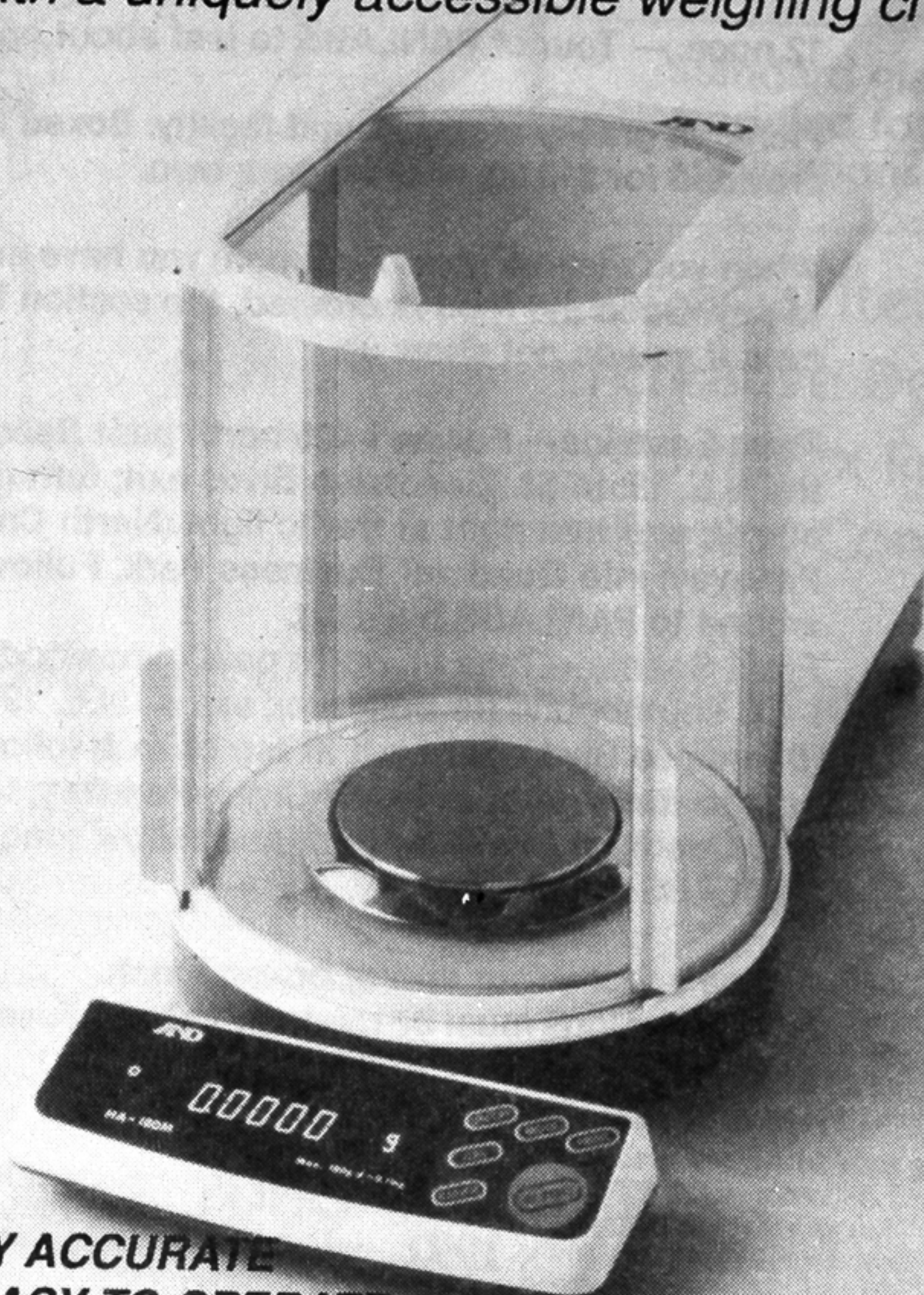
The Puget Sound Chemist
P.O. Box 24032
Seattle, WA 98124-0032

September 1992 3

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)

ABOUT PANLABS

Panlabs Inc. has been providing bioscience services to industry on a global basis for more than twenty years. In the early years, they offered expertise in two major areas—fermentation research and pharmacology. Their Natural Products Discovery Services began with the advent of the new, more sensitive methods of bioassay, and with the new recombinant DNA techniques. Clients may use either or both of these areas of research service.

Today more than 350 Panlabs researchers are providing bioscience services to hundreds of companies located around the world. State-of-the-art facilities include a 30,000-sq.-ft. laboratory in the High Tech Corridor north of Seattle, and a 40,000-sq.-ft. development research laboratory in Taipei, Taiwan. Panlabs provides three interrelated areas of research: *Fermentation Services*, which develops or improves strains of microorganisms and their culture media for industrial uses; *Pharmacology Services*, which provides broad evaluation of natural and synthetic compounds, and highly targeted research to fit specific client needs; and *Microbial Products Discovery Program*, which isolates and screens microorganisms for novel metabolites with specific activities, and conducts secondary pharmacology and lead purification.

The Panlabs Natural Products Discovery Services programs screen for biologically relevant natural products derived from plants and microorganisms. These offer a vast source of unique compounds that can differ markedly from those derived through chemical synthesis. With the new highly selective and sensitive *in vitro* enzyme and radioligand binding assays, they can do targeted screening for novel bioactive secondary metabolites, screening thousands of samples each year. Panlabs facilities include a U.S.D.A.-approved soil laboratory and an extensive and continuously growing library of soil samples from unique ecological systems located in diverse geographic locations, including Africa, Antarctica, Australia, Canada, China, Europe, Indonesia, Micronesia, New Guinea, New Zealand, Pakistan, South America, Taiwan, Tasmania, and the United States. These soils can be plated and their unique cultures examined quickly and thoroughly.

Panlabs provides clients with customized discovery programs in pharmaceuticals, biocides, enzymes, and other related product categories. They also develop new assays that screen for specific activities, or screen active substances in proprietary assays or in assays already available at Panlabs. An entire menu of commercially relevant cellular, membrane receptor, and enzyme assays is available. In addition to high volume screening, their discovery services provide an integrated approach that includes isolation and fermentation of microorganisms, secondary pharmacology and purification of lead compounds. Panlabs is a service company. Their corporate mission is to provide bioscience services for industry. They are not planning or preparing for entry into product marketing. At least 80 percent of their service activity comes from continued relationships with clients. They tailor their services to fit client needs and offer complete confidentiality. Bioscience Services are Panlabs' only product.

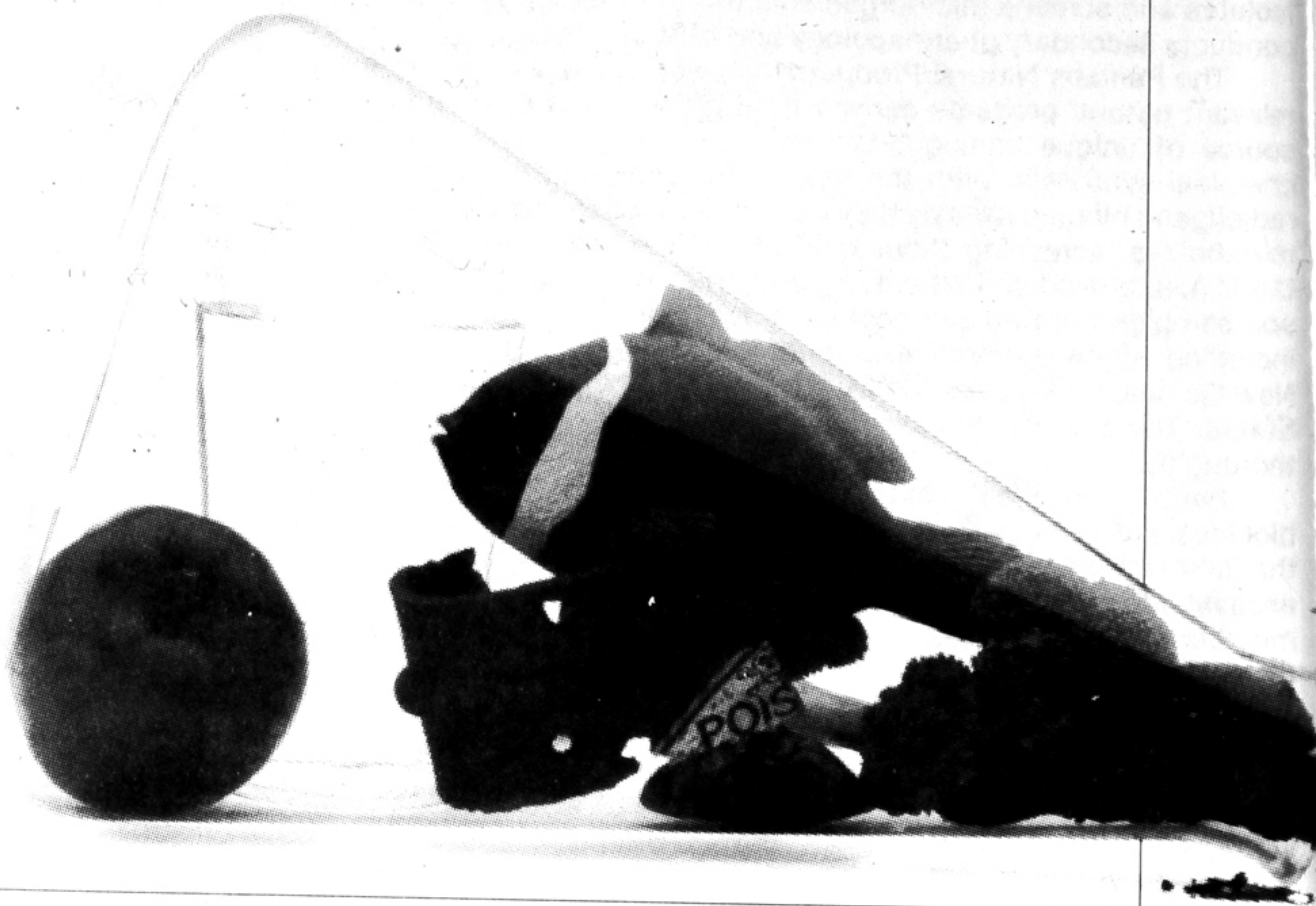
THE ASCENT OF BIOCHEMISTRY

ONE OF THE MORE SIGNIFICANT CONTRIBUTIONS OF OUR TIME

Biochemical assays and screens that are specific and highly-sensitive now enable us to find "needles in haystacks"—to select from the myriad of secondary metabolites and synthesized molecules the exact ones with the activities and profiles required. The advance of biochemical assays and the application of new genetic knowledge and technology is enabling our industry to discover novel compounds for the production of healing substances that could not be developed by any means a decade ago. As with Space, the world of microorganisms is vastly unexplored. Only recently have we developed the tools for investigation and discovery, development and use.

Nature's microbial potential is being harnessed to develop therapeutics, foods, fuels, and compounds needed by agriculture and industry. In a polluted, overcrowded world with diminishing natural resources, we are now increasingly dependent upon our partnership with microbiology. Indeed, much progress has occurred in the specific areas of biochemistry, genetics, and natural product discovery. Panlabs Services offers immediate access to the knowledge, manpower, equipment and facilities to augment research efforts in these areas.

How to break through the productivity bottleneck.



It's simple: Wherever you see a bottleneck in your environmental laboratory, look to HP for the solution.

Sample preparation? We'll cut your time from days to minutes. Report generation? Powerful, automated HP data handling solutions meet your data quality objectives — and your deadlines — while your people focus on other tasks. Informa-

tion flow? Industry-standard HP networking helps different vendors' instruments and systems work together smoothly.

Every product in our broad offering — from sample preparation through analysis and reporting — is designed for high throughput. While top-rated HP quality, service and support all help lower your cost of ownership — and make

possible our 99-percent uptime guarantee.*

Call **1 800 556-1234, Ext. 10232**, for our informative brochure. In California, call **1 800 441-2345, Ext. 10232**.



**HEWLETT
PACKARD**

*Not available in all countries.
© 1990 Hewlett-Packard Company AG04000



PROFESSOR KENNETH WIBERG AWARDED 1992 PAULING MEDAL

Yale University Professor Kenneth Wiberg will be the recipient of the 1992 Pauling Medal Award. Dr. Wiberg has had a distinguished career in organic chemistry and is well known for his pioneering studies of small ring systems. He began his teaching career at the University of Washington in 1950 and remained there through 1962 when he moved to Yale. The 1992 Award Symposium is hosted by the Puget Sound Section and will be held October 31 on the campus of the University of British Columbia, Vancouver, B.C., Canada. Speakers will include Prof. Steven Kass of the University of Minnesota, Prof. Paul von R. Schleyer of the University of Erlangen-Nurnberg, Prof. Andrew Streitwieser of the University of California, Berkeley, and Prof. Kenneth Wiberg.

The Pauling Medal Award, cosponsored by the Oregon, Portland and Puget Sound Sections of the American Chemical Society, annually recognizes outstanding achievement in chemistry and contributions to the field that have merited national and international recognition. The award is named after Dr. Linus Pauling, a native of the Pacific Northwest, because of the inspiration of his example. Mark Wicholas of Western Washington University in Bellingham is Chair of the Award Committee. Gordon Bates of the University of British Columbia is the Program and Symposium Chair.

Pauling Award Recipients

1966 Linus Pauling	1978 Dudley Herschbach
1967 Manfred Eigen	1979 Daniel E. Koshland
1968 Herbert C. Brown	1980 John D. Roberts
1969 Henry Eyring	1981 Henry Taube
1970 Harold C. Urey	1982 George Pimentel
1971 Gerhard Herzberg	1983 Gilbert Stork
1972 E. Bright Wilson	1984 John S. Waugh
1973 E.J. Corey	1985 Harold A. Scheraga
1974 Roald Hoffmann	1986 Harry B. Gray
1975 Paul Bartlett	1987 Harden M. McConnell
1976 F. Albert Cotton	1988 Keith Ingold
1977 John A. Pople	1989 Neil Bartlett
1990 James P. Collman	
1991 Rudolf Marcus	

When you need to hire temporary personnel for your lab, chances are you have two basic requirements.

- 1. They have to be qualified.***
- 2. They have to be available when you need them.***



Call the one company that specializes in filling both of those requirements.



LAB SUPPORT

Science Professionals On Assignment

Seattle (206) 455-5025

Chemistry Around Puget Sound

COMMUNITY COLLEGE CHEMISTRY FACULTY ENHANCEMENT AT WESTERN WASHINGTON UNIVERSITY

Western Washington University has received a NSF grant for community college faculty enhancement in science and mathematics. The program targets faculty who have been teaching at the community college level for five years or more and aims to help those faculty to become current in their field. The pilot program for this grant was sponsored by the WWU Chemistry Department from July 20 to July 24, 1992. The program for the week-long intensive seminar was planned by WWU chemistry faculty Joe Crook and Sal Russo and community college faculty Herb Bryce (Seattle Central C.C.) and Mary O'Brien (Edmonds C.C.) and was attended by twenty Washington state community college faculty. Topics included in the seminar were: multimedia technology in the classroom, microscale general chemistry, computer-assisted instruction, use of modern instruments (GC/MS, AA, NMR, HPLC, and FTIR), computer interfaced experiments, and favorite demonstrations. The program allowed the faculty time for hands-on experience with instruments in the Chemistry Department and for informal interactions with the WWU chemistry faculty. WWU faculty who were involved in teaching during this week were Professors George Gerhold, Don King, Joe Crook, George Kriz, and Jack Weyh.

U.S. DELEGATES WIN MEDALS AT 24TH INTERNATIONAL CHEMISTRY OLYMPIAD

The 24th annual International Chemistry Olympiad, which was held in Pittsburg and Washington, DC, was the first held in the United States. The University of Pittsburgh and Carnegie Mellon University hosted the first seven days of the event, including the laboratory and theoretical exams. The event then moved to Washington, DC, for tours, activities, and the closing ceremonies at the National Academy of Sciences.

The four students representing the United States were Swaine L. Chen, 17, of O'Fallon, IL (near St. Louis); Jeffrey Chuang, 18, of Houston; Christopher Herzog, 17, of Highland Park, NJ; and Logan McCarty, 18, of Amherst, NY. Chen received a Gold (First Place) medal, Chuang and McCarty Silver (Second Place) medals, and Herzog a Bronze (Third Place) medal. Sixteen Gold, 27 Silver, 40 Bronze, and 48 Copper medals were awarded in all. In the overall ranking, the U.S. team placed fourth out of 33 nations.

The 131 student delegates represented 33 countries. Each delegation had two adult mentors and a local guide. In addition, there were 41 foreign observers. The examinations were translated into 23 languages other than English, mostly by using foreign-language word-processing software, but some teams, such as the Chinese, wrote their translations by hand, which were then double-checked.

The United States has competed at the International Chemistry Olympiad for the past eight years. In that first year, 1984, the top U.S. medalist was Seth Brown, who received a Silver medal. He was 15 years old at the time and one of the youngest high school students participating. He graduated from MIT in 1988. He has finished three years of graduate study at the University of Washington under Professor James M. Mayer, studying the reactions of rhenium oxo compounds. Brown, a native of Pittsburgh, was invited to address the delegates at the Opening Ceremonies in Pittsburgh.

The event was sponsored and organized by the American Chemical Society, assisted by a large group of volunteers from the Pittsburg local Section. Major funding was provided by the Exxon Education Foundation; Miles, Inc.; and the National Science Foundation. (See article C&EN, August 10, 1992)

ON ASSIGNMENT, INC. FILES FOR INITIAL PUBLIC OFFERING OF COMMON STOCK—CANOGA PARK, Calif., August 12, 1992—On Assignment, Inc., today announced the filing of a Registration Statement with the Securities and Exchange Commission regarding the proposed initial public offering of shares of Common Stock. The company, through its operating division, Lab Support, is a leading provider of temporary scientific professionals to laboratories in the biotechnology, environmental, chemical, pharmaceutical, food and beverage and petrochemical industries.

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).

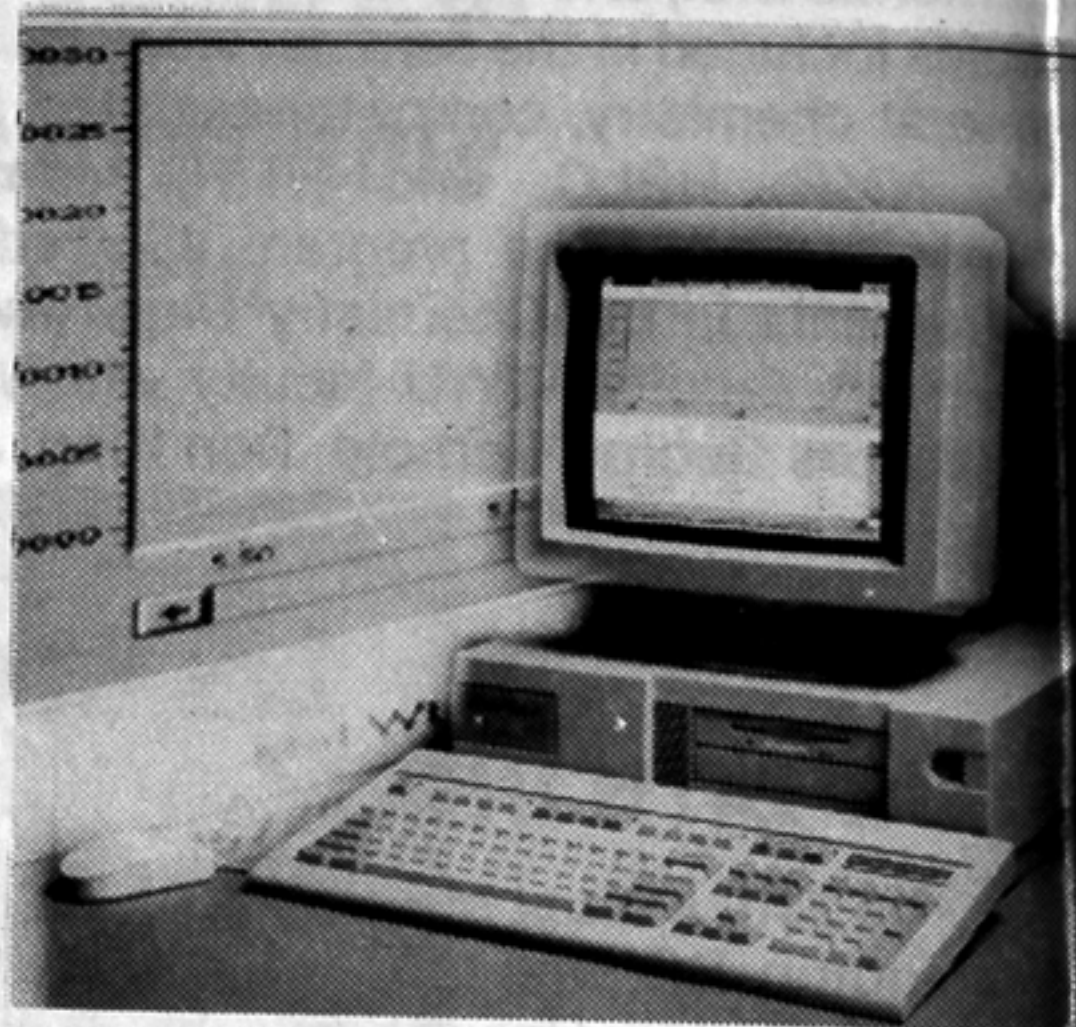
- System Suitability option that establishes and verifies operating parameters.

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



PROJECT SEED 25th ANNIVERSARY SEED STORIES SOUGHT

The story of Project SEED is a chorus of many voices. SEED and its predecessor, Project Catalyst, have helped several thousand students to open doors and fulfill dreams since 1968. A special 25th anniversary celebration is being planned for the fall 1993 ACS national meeting in Chicago. We're planning activities for current high school students, a symposium honoring past and present SEED mentors and students, a reception, and more. If you were a SEED student (no matter when), have been a mentor for the program, ever offered an encouraging word to SEED students or mentors, or know where we might find such folks, we want to hear your story. Please contact Denise Creech in the Project SEED office at ACS headquarters (you can FAX your story to her at 202/872-6336). We need replies by the first of February 1993. (ACSESS, July 1992)

ARE YOU UP-TO-DATE ON COPYRIGHT ISSUES?

A copyright information pamphlet, intended to give a brief overview of copyright, is available from the ACS. The pamphlet includes a definition of copyright and explains the exclusive rights of a copyright owner, the transferability and term of copyright, use of a copyright notice, "fair use," photocopying of copyrighted material, use of software and phonograph records, ACS copyright policy, and reprint permissions and copyright credit. Useful addresses and telephone numbers are provided. To obtain a copy of the pamphlet, send a self-addressed, stamped envelope to Copyright Administrator, Publications Division, American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, OR stop at the Membership Booth at any Regional Meeting.

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

☐ **HAZ MAT 92 FALL SOUTHWEST**—Hazardous Materials and Environmental Management Conference & Exhibition/Southwest, October 7-9, 1992, INFOMART Conference & Exhibition Center, Dallas, Texas—Included in the Conference Program are several special programs: Plenary Session #1, Wednesday, October 7, Burning Hazardous Waste in Cement Kilns: What Are the Issues, Pro & Con?; Plenary Session #2, Friday, October 9, A Mock Trial Presentation: "On Defense: What Would a Jury Do With Your Case?"; and a unique training demonstration—Transportation Accident, including Chemical Truck Roll-Over with Contaminated Victim—A special training demonstration conducted at the Texas Instruments facility in Dallas. The Certified Hazardous Materials Manager (CHMM) Exam will be offered. Now, for the first time, candidates for the premiere certification in the field can participate in the CHMM examination conveniently scheduled during HazMat/Southwest Fall 92. Candidates for the CHMM examination must obtain application forms from: Certification Board, Institute of Hazardous Materials Management, 11900 Parklawn Dr., Suite 220, Rockville, MD 20852; Phone 301/984-8969. The Conference is organized by Tower Conference Management Co., 800 Roosevelt Road, Building E, Suite 408, Glen Ellyn, IL 60137-5835; Phone 708/469-3373; FAX 708/469-7477.

 **spectron corporation**

PHIL JOHNSON

SALES & SERVICE REPRESENTATIVE

We buy, rebuild and resell laboratory instrumentation

11025-118th Place N.E. • Kirkland, WA 98033 • (206) 827-9317



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

PROTECT

**Your Expensive Lab Work with Research
and Development Record Books**

STOCK RECORD BOOKS

B50D — Fifty pages and fifty duplicates. 1/4 inch sqs. on right pages.

B100P — 100 — 1/4 inch sqs. on right pages.

100 — 10 sqs. per inch on left pages.

B200P — 208 1/4 inch sqs. on right and left pages.

B200PH — 208 horizontally lined right and left pages.

Books have instruction and TOC's. Page size 11 x 8 1/2.

Hard extension brown cloth covers. Pages open flat.

\$10.50 each, FOB Chicago

CUSTOM MADE BOOKS TO ORDER

SCIENTIFIC BINDERY PRODUCTIONS

1255 S. Wabash Ave., Chicago, IL 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) 278-7011

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

American Polymer Standards Corporation

8680 Tyler Boulevard, Mentor, OH 44060

Phone: 216-255-2211 Fax: 216-255-8397

206) 932-7698

Car: (206) 947-6599

KARDEN ASSOCIATES, INC. CONSULTANTS

Safety and Regulatory Compliance

Denis Sapiro, CSP, CHMM

Senior Consultant

3241 44th Ave. SW • Seattle, WA 98116

polymer laboratory and consulting services

**CHEMICAL/THERMAL ANALYSIS
PHYSICAL/MECHANICAL TESTING
ELECTRON MICROSCOPY
FAILURE ANALYSIS
STRESS ANALYSIS/DESIGN
PRODUCT EVALUATION/TESTING**

L.J. BROUTMAN & ASSOC., LTD.
3424 SOUTH STATE STREET
CHICAGO, IL 60616
312.842.4100

broutman™



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

PUGET SOUND SECTION OF THE AMERICAN CHEMICAL SOCIETY

1992 STANDING COMMITTEE CHAIRS

Archivist
Directory
Education
Employment
High School Teacher Award
International Olympiad
Laboratory Relations
Legislation
Long Range Planning
Membership
National Chemistry Week
Networking
Nomination
NOR
NOR (Regional)
Program
Student Affiliates
Chemical Health & Safety

Lorna Goebel
William Wasserman
Larry Thomas

Bob Smith

Peggy Knight
Greg Perez

Ed Gruger

Sheri Tonn

Linda Karsonovich

Doug Mandt

Wesley Lindgren

Sheri Tonn

Despina Strong

Ed Lingafelter

Clarita Bhat

John Meany

Dirk Verhagen

NATIONAL CHEMISTRY WEEK 1992 ON? OFF? WHAT'S THE DEAL?

The short answer is that there's no nationwide National Chemistry Week (NCW) celebration planned for this year—but that's not the end of the story. Although the ACS Board of Directors established an official, fully funded NCW every other year in odd-numbered years, the Board's also aware of the number of ACS local sections that have held NCW every year. In fact, more than 50 local sections celebrated NCW during 1990, the last off-year, and all 185 sections celebrated during 1991.

So, to find out just how often the sections will celebrate NCW if they have national-office support, the Board has allocated additional funds for an experiment. This year, the NCW office at ACS headquarters has money to produce all the usual materials for local section celebrations. Items available will include shirts (groovy new ones with the chemical contents of the human body printed on the back), campaign buttons, videotapes, children's stickers, magazines, flyers, posters, brochures, children's activity newspapers, periodic-table cards, and career information. There won't be a new children's activity newspaper this year, but reprints of last year's *Chemistry All Around Us* have been prepared bearing this year's date.

In considering an off-year NCW celebration, local sections need to think about some key points: • *Is it better public relations for us to have NCW every year rather than every other year?* • *Is it easier to keep up contacts for each year or should we try to restart things after a year off?* • *Can our local section get enough volunteers to do this every year?* • *Can our section afford to do this every year?* Sections that decide to go ahead with NCW this year can get specific information about this year's materials from Jim Bradford and Cheryl Brown in the NCW office at ACS headquarters, 800/227-5558. When all the dust settles after your NCW events, let Jim and Cheryl know your thoughts about whether NCW should be an annual happening—and let your councilors and board members know, too. (ACSESS, July 1992)

PUGET SOUND SECTION COUNCILOR'S REPORT SAN FRANCISCO MEETING, APRIL 1992

The event at the Spring ACS Meeting that most affected the Puget Sound Section was the loss of the National Meeting for the Spring of 1996. In an attempt to secure a position on the Meetings and Expositions Committee of the Council, I attended that Committee's meeting the weekend prior to the start of the ACS Meeting. As I walked in the door an ACS staff member informed me that she had visited Seattle a few days before, and that she was recommending that the ACS move the Spring 1996 Meeting to New Orleans. The reason given was that the Seattle site would have to be divided, since the Convention Center could not both accommodate the Exposition and provide sufficient meeting rooms for the papers to be given. I was told that I had five minutes to prepare to speak to the Committee to make our case for retention of the Seattle site. I argued that the Convention Center and the Coliseum at the Seattle Center were minutes apart by Monorail and that the Seattle Center meeting rooms would complement the Convention Center facilities. In addition, I pointed out that the Seattle Center site, the downtown hotels and the monorail had worked beautifully for the 1983 Seattle meeting, which everyone agreed had worked fantastically well. I also noted that an ACS staff member had recommended to the Seattle Visitors and Convention Bureau that the Convention Center be built at the downtown site rather than the alternate Seattle Center site (which would have prevented the problem we now faced).

My arguments fell on deaf ears, because the Committee was determined to follow its staff recommendations. New Orleans had a Convention Center vacancy at the same date, and the deed was done. Members of the Committee offered their condolences later, but no real hope exists for a National ACS Meeting in Seattle in the foreseeable future, since we are inextricably locked into an inadequate Convention Center facility which cannot provide sufficient Exposition accommodations. Our best chance to bring a National Meeting to our area might be to promote a joint ACS-CIC meeting in Vancouver, B.C. I would like to try that approach, and would appreciate hearing from members of the section about their ideas on the subject.

Council Business was partially concerned with hearing from candidates for President-Elect, and nominating two of them: Ned Heindel of Lehigh University, and Eli Pearce of Brooklyn Polytechnic University. Other business included a small increase in membership dues to \$95 for 1993, and scheduling the 2002 meetings for Orlando and Boston. Major Council votes resulted in the adoption of a petition to shift the emphasis of Corporation Associates dues to serving the interests of industrial chemists (and away from the support of ACS publications); and the rejection of a proposal to consolidate the activities of four existing committees on professional relations and economic status. The latter proposal was in line with an ongoing attempt to dilute the effectiveness of the (in some circles) controversial Committee charged with an ongoing study of the economic status of chemists. More details on Council business can be gleaned from the April 27 issue of *Chem & Eng. News*. —Bill Wasserman (submitted in behalf of both Bill Wasserman and Herb Bryce)

TRAVEL \$ FOR WOMEN STUDENTS

Once again Eli Lilly & Co. is sponsoring a program to provide funding, administered by the ACS Women Chemists Committee, for undergraduate, graduate, and postdoctoral women chemists to travel to scientific meetings in 1993 to present the results of their research. For meetings held January 1-June 30, 1993, the deadline for application for funding is October 15, 1993; for meetings held July 1-December 31, 1993, the deadline is March 15, 1993. Awards will be made only to U.S. citizens or permanent residents, and only for travel to meetings in the United States; some other restrictions also apply. Letters of application must be accompanied by resumes, abstracts, letters of recommendation from academic advisors, and estimates of travel expenses to be incurred. For full application requirements and other details of the program, contact Cheryl Brown, staff liaison to the Women Chemists Committee, at ACS headquarters (202/872-6097). (*ACSESS*, Volume 3, No. 2, July 1992)

PUGET SOUND CHEMIST



BULLETIN OF THE
PUGET SOUND SECTION
AMERICAN CHEMICAL SOCIETY

EXECUTIVE COMMITTEE PUGET SOUND SECTION

Editor
Eloise Crittenden 524-3741

Production Manager
Margaret Pitts 728-4698

Business Managers
Ron Ekdahl 672-4228
Bruce Tanke

Circulation Manager
Bob Smith 296-5502

Correspondent Staff
Betty Smith 363-3626

Printing
Northwest Printing & Graphics, Inc.
P.O. Box 3785
Kent, WA 98032
878-9446
FAX 870-4694

Chairperson
Despina Strong ofc 895-4737
hm 364-9783

Chairperson-elect
Clarita Bhat 546-4575

Past Chairperson
Sheri Tonn 535-7552

Secretary
Tom Schultz 339-4400

Treasurer
David Munch 523-3763

Councilors
William J. Wasserman (1992) 587-4083
Mark Wicholas (1993) 676-3071
Herb Bryce (1994) 587-6921

Alternate Councilors
Chuck Mainard (1992) 282-2133
Deborah Wiegand (1993) 641-1553
Tim Hoyt (1994) 756-3833

Typeset by Scarlet Letters Ltd., 939 N.E. Boat Street, Seattle, WA 98105 • (206) 547-3036.
FAX (206) 547-0303.

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 1992

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

Sept. 9 Potluck
Place: Despina Strong's
RSVP: 206-364-9783

Oct. 14 Nov. 11
Place: Seattle University
Dinner: 5:30 PM in Cafeteria (optional)
Meeting: 6:30 PM in Room 511,
Engineering Building.

MICROANALYSES

Analysis for All Elements, Trace Analyses,
ICP Scans, TOX, Ion Chromatography,
Molecular Weights.

GALBRAITH LABORATORIES, INC.

P.O. BOX 51610
KNOXVILLE, TN 37950-1610

(615) 546-1335
Since 1950

2323 SYCAMORE DR.
KNOXVILLE, TN 37921-1750

SPECIALTIES

- GPC, high temp, aqueous and all solvents
- FTIR, with Micro capabilities
- Tensile and Puncture, -40°F to 600°F
- Headspace, Pyrolysis GC
- Oxidation Studies, TGA, DSC, TMA
- USP XXII Testing EP Toxicity
- Thermoplastic and Thermoset Formulations
- Plastic Film, constructions, Ident
- Gas Permeation Rates, most gases
- Residual solvents, Monomers, qual and quant
- Outgassing, qual and quant
- Deformulations; Coating and Paints, Organics
- Aging; Thermal, Humidity, UV, Cold



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

CHEMICAL ANALYSIS • PHYSICAL TESTING

- Spectroscopy; AA, FT-IR, Micro IR
- Chromatography; LC, GPC, GC, Ion
- Thermal Analysis; DSC, TGA, DMA, TMA
- Microscopy ESD Instrumentation
- CHNOS GC/MS
- Instron, ASTM-TAPPI Instrumentation
- Environmental Instrumentation

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

Dated Meeting Notice
Please Do Not Delay

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



UNIV OF WASH LIBRARIES
SERIALS DIVISION
SEATTLE, WA 98195