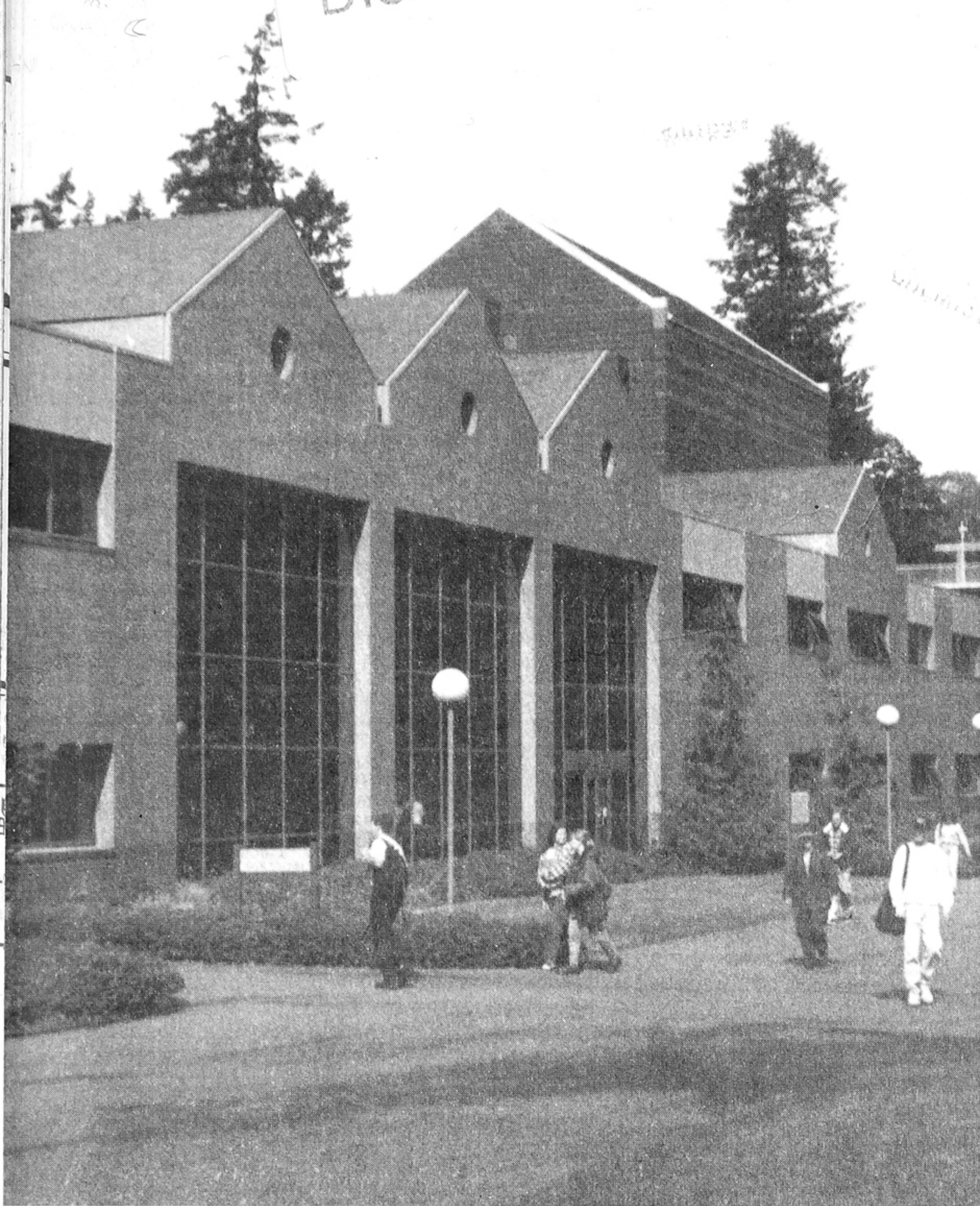


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Volume 57, Number 3



APRIL 1996

PUGET SOUND CHEMIST



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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: Riecke Science Center, Pacific Lutheran University, Tacoma, WA

APRIL MEETING

- DATE:** Saturday April 27, 1996
- PROGRAM:** ACS Puget Sound Section Student Affiliates Undergraduate Research Symposium
- LOCATION:** Rieke Science Center, Pacific Lutheran University, Tacoma, WA
- DIRECTIONS:** Take I-5 Exit 127 to SR 512 marked Puyallup, Mt. Rainier and Highway 512 and go East. Take the second exit (Parkland/Mt. Rainier) to Pacific Avenue. Go south approximately 15 blocks, turning right onto 125th St. Continue 3 blocks west to Yakima Avenue, turning right and then almost immediately left onto 124th St. Drive past Olson Auditorium and turn right on 10th Avenue. Rieke Science Center is located north of Olson Auditorium at about 123rd St., just east of 10th Avenue.
- SCHEDULE:** Symposium will start at 9:00 a.m. and may continue till 3:30 to 4:00 p.m. (late afternoon)
- COST:** Coffee and refreshments will be provided from 8:30 to 9:00 before the start of the symposium. Lunch will be available on campus at a cost of \$6 per person to be paid at the symposium
- NOTE:** We will need to know how many lunches to order for the attending Puget Sound Section members. Therefore, please call the numbers below to make reservations.
- RESERVATIONS:** All reservations must be made by noon, **Friday, April 19.** Please call:
Seattle: 527-3747,
Bellingham: 650-3070;
Tacoma: 535-7530
-

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"

ACS PUGET SOUND SECTION STUDENT AFFILIATES UNDERGRADUATE RESEARCH SYMPOSIUM

The 1996 ACS Puget Sound Section Student Affiliates Undergraduate Symposium will be held on Saturday, April 27, at the Rieke Science Center of Pacific Lutheran University.

The format for the symposium will be much the same as in previous years, involving student talks of fifteen minutes duration with five minutes for questions and answers. The symposium will start at 9:00 a.m. and may continue till about 3:30 to 4:00 p.m. (late afternoon). Coffee and refreshments will be provided from 8:30 to 9:00 a.m. before the start of the symposium. Lunch will be available on campus at a cost of \$6.00 per person to be paid at the symposium. Puget Sound Section members are requested to make their reservations so that an adequate number of lunches can be ordered.

Abstracts for presentations should be submitted no later than **April 19**, the sooner the better! Abstracts should follow the style of the ACS abstract form. Participants are strongly encouraged to submit abstracts electronically. The WWW site CIRRUS (Chemistry Internet Resource for Research by Undergraduate Students, <http://rainier.chem.plu.edu/cirrus.html>) is hosting web pages pertaining to the symposium where the symposium schedule and abstracts will be available in advance. Abstracts may be submitted using the abstract form in CIRRUS (http://rainier.chem.plu.edu/acs_symp.html), or by mail to either Dr. Craig Fryhle or Dr. Dean A. Waldow at the address below. Hard copy abstracts should be prepared on the standard ACS abstract form.

Presentation devices available will include a slide projector, overhead projector, and IBM-compatible or Macintosh computers with screen projection capability. Powerpoint and other common software will be installed on these computers. If you have additional software needs please contact Drs. Fryhle or Waldow well in advance.

Awards will be given, as usual, for Best Presentation and Best Research. You are invited to nominate individuals you believe would appropriately serve on the panel that will determine the recipients of these awards.

Please register the number of symposium attendees from your institution either by e-mail, or by phone, before **April 19**. While we will know roughly how many people to expect through receipt of abstracts, we would like to have an advance count of all those attending in order to make space and food arrangements. Future news and information about the symposium will be posted to the CIRRUS e-mail list and in the web pages noted above. If you would like to subscribe, send e-mail to: listproc@rainier.chem.plu.edu with the message:

SUBSCRIBE CIRRUS Your Name. Finally, if you have any questions, please do not hesitate to contact the following:

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Applications are invited for the 1996 2YC₃ SUMMER INSTRUMENTATION WORKSHOPS

2YC₃, along with a coalition of 2-year and 4-year colleges, will be offering a series of 1-week workshops on individual instruments for 2-year college chemistry faculty during the summer of 1996. The instruments include AA, FTIR, GC/MS, GC/HPLC, NMR, as well as both computer software and computer interfacing. The National Science Foundation is funding this project so the only cost to the participants is travel to and from the workshops. Room, board, and tuition are paid by the grant.

There are three different sites for the workshops: East Coast at George Mason University with Northern Virginia Community College; Midwest at the University of Dayton with Sinclair Community College; and West Coast at Western Washington University with Shoreline Community College. The workshops will be run during different weeks in the summer in different geographical regions in order to accommodate summer teaching schedules.

For a descriptive brochure and information detailing application procedures, please write to Richard Jones, Sinclair Community College, Dayton, OH 45402, or call: (513) 226-907.

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

ACS RELEASES BIOTECHNOLOGY INFORMATION PAMPHLET

Most people think of genetic engineering when they hear the term "biotechnology." However, biotechnology is any technique that uses living organisms to make or modify products, including fermentation in cheese making! The modification of genetic material in modern biotechnological techniques has raised concerns from all sectors of society about biotechnology's potential risks to the environment and human health. The American Chemical Society's newly revised **Biotechnology** information pamphlet explores the science that underlies this revolutionary field and examines both its potential benefits and risks.

The revised **Biotechnology** pamphlet was developed by the ACS Department of Government Relations and Science Policy (GRASP). It incorporates scientific advances and public policy developments in biotechnology over the past five years. Written for the nonscientist, the Biotechnology information pamphlet provides a brief overview of the science behind recombinant DNA technology, and explores its myriad uses. The pamphlet highlights biotechnological applications in human health care, agriculture, environmental protection, industrial processes, and consumer products. This pamphlet is part of GRASP's Information Pamphlet series, which are written for the general public to provide basic understanding of the chemical sciences and technologies underlying public policy issues.

Ordering Information: Individuals may receive one copy of the Biotechnology information pamphlet free of charge. To order, contact GRASP by phone at 202/872-8725 or send a self-addressed label to the **American Chemical Society, GRASP, Room 330, 1155 Sixteenth Street, N.W., Washington, DC, 20036**. Non-profit 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 202/872-4386.

CALL FOR NOMINATIONS FOR 1996 SECTION OFFICERS

Suggestions for nominations for 1997 officers of the Puget Sound Section of the American Chemical Society should be made to Dr. Arden Forrey, 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.



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REGIONAL EMPLOYMENT CLEARING HOUSES (RECH)

The RECHs listed below provide ACS members and student affiliates the opportunity to interview during their regional meeting with regional based employers. In addition to the availability of on-site interviewees, candidates are also exposed to positions that have been posted by employers for direct contact. ACS staff is on hand to also provide information on other ACS Career Services programs to help broaden candidates' job search options. For more information on the RECH programs, please call Career Services at 800/227-5558 (press 9, 3, 1). To request registration form, call Member Service Center at 800/451-91990.

29th Great Lakes Regional Meeting
Illinois State University, Normal, IL, May 20-22

30th Middle Atlantic Regional Meeting
Villanova University, Philadelphia, PA, May 22-24

13th Rocky Mountain Regional Meeting
Denver Tech Center, Denver, CO, June 9-12

28th Central Regional Meeting
Dayton Convention Center, Dayton, OH, June 10-12

51st Northwest Regional Meeting
Oregon State University, Corvallis, OR, June 19-22

YOU ASKED FOR IT...

The ACS Job Bank
is a service exclusively for ACS

members that provides listings of jobs available in the chemical professions. It includes:
• classified and display ads (positions open and situations wanted) from the two most recent issues of *C&EN*;

• *Chemployment*, which abstracts ads from more than 40 newspapers nationwide for chemists, chemical engineers, biochemists, chemical technicians,

• links to other on-line job banks;

• World Wide Web pages of major companies; and

• the ACS calendar of career service programs, including national and regional employment clearing houses.



The Job Bank url is <http://pubs.acs.org>. Note that you must have your membership number handy when you access the Job Bank. ACS cannot download Job Bank information for you. Any questions or comments you may have should be directed to Luis Carrillo by sending him e-mail to career@acs.org, or by calling him at 800/227-5558 (press 9, 3, 1).

ACS AWARDS TRAVEL GRANTS

Seven high school teachers have been awarded travel grants to support their attendance at an ACS or National Science Teachers Association (NSTA) regional or national meeting, or the 14th International Conference on Chemical Education in 1996. At the meetings, the awardees will present papers highlighting an ACS High School Chemistry program: Project SEED, the U.S. National Chemistry Olympiad, ChemCom, Chem Matters, or career materials. Congratulations to the 1996 travel grant recipients!

Thomas Adams
Indiana Academy, IN

Annis Hapkiewicz
Okemos High School, MI

Joan Reilly
Lawrence High School, NJ

Maria Walsh
Pike High School, IN

Valerie Ferguson
Moore High School, OK

Lynne McElhaney
LeFlore High School, AL

Michael Sixtus
Mar Vista High School, CA

All Interested high school teachers are invited to apply for a travel grant to be used in 1997. The application deadline is July 1, 1996. To obtain travel grant application and a list of 1997 ACS and NSTA meetings, please contact the Office of High School Chemistry at (202) 872-6328.

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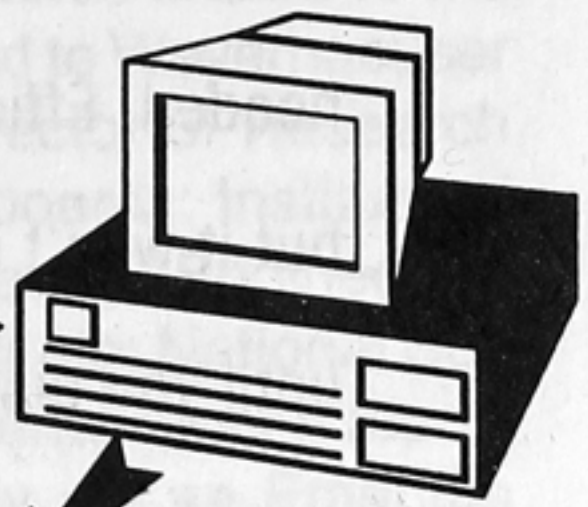
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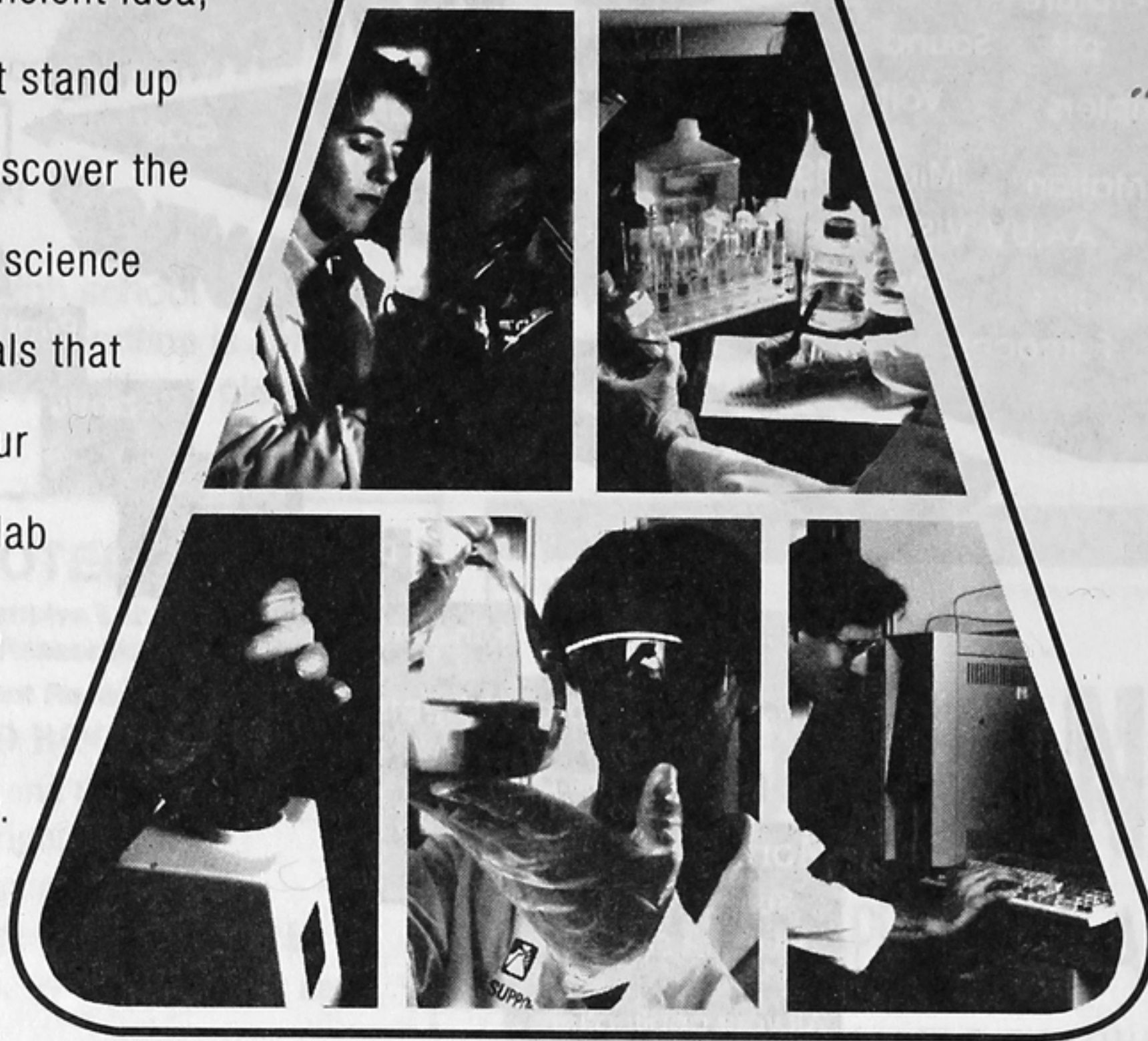
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More About Our 50 Year Members: **A. STANLEY GREGORY**

B.S. degree from Oregon State University, 1936; Ph.D. Organic Chemistry, Ohio State University, 1940. Several JACS publications based on graduate studies. Research Chemist E. I. duPont de Nemours & Co., Experimental Station, Wilmington, Delaware, 1940-42. Work resulted in two patents. Served as Lt. Col. U.S. Army, 1942-46, graduate Army Command & General Staff School, three Battle Stars European Theater of Operations, decorated Bronze Star medal.

With Weyerhaeuser Technology Center, Longview, Wa. from 1946 to 1960, starting as scientist studying composition and utilization of Forest Products, contributed technical and management articles to technical journals and was granted nine patents issued to the company; final assignment was as Technology Center Manager. Transferred to Weyerhaeuser Corporate Headquarters, Tacoma, WA. where served as Corporate Director of Research and Development from 1960 to 1976. Past member research advisory boards: Institute of Paper Chemistry Appleton, Wisconsin; Oregon Forest Products Laboratory; Engineering Department, Washington State University, Canadian Pulp and Paper Institute; National Science Foundation; and National Chamber of Commerce. Served as Weyerhaeuser's representative to the Industrial Research Institute for 12 years and currently am an Emeritus member.

Joined American Chemical Society as a graduate student in 1940 and transferred to regular membership later that year while with duPont in Delaware, Granted Emeritus status 1992. Also past member Forest Products Research Society, TAPPI, Canadian Pulp and Paper Association, American Forestry Association, New York Academy of Sciences, and American Management Association.

Had private practice as a Research Management Consultant from 1976 through 1986.

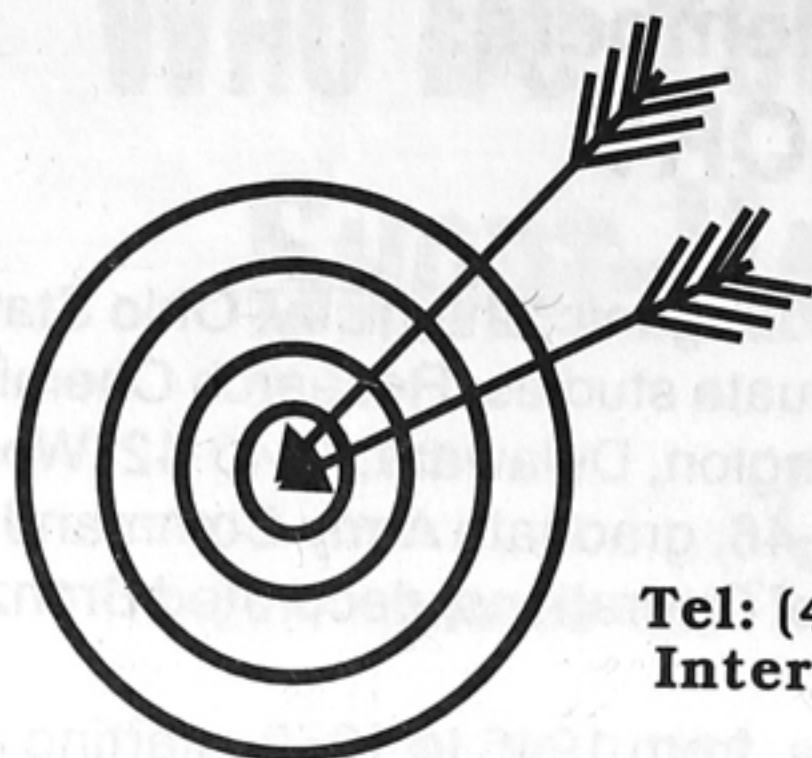
One of the greatest rewards of my experiences relating to chemistry and my association with the American Chemical Society has been the exposure to many creative and stimulating people dedicated to advancing chemistry and in applying its technology to benefit society.

SITUATION VACANT

Positions Open- July 1996: The Washington State Patrol Crime Laboratory Division will be hiring forensic scientists with experience in the areas of Biochemistry, Microanalysis, and DNA PCR. Forensic Scientist 2 and 3 positions will be available in Seattle, Tacoma, Spokane and Marysville. Employment will begin July 1, 1996.

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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