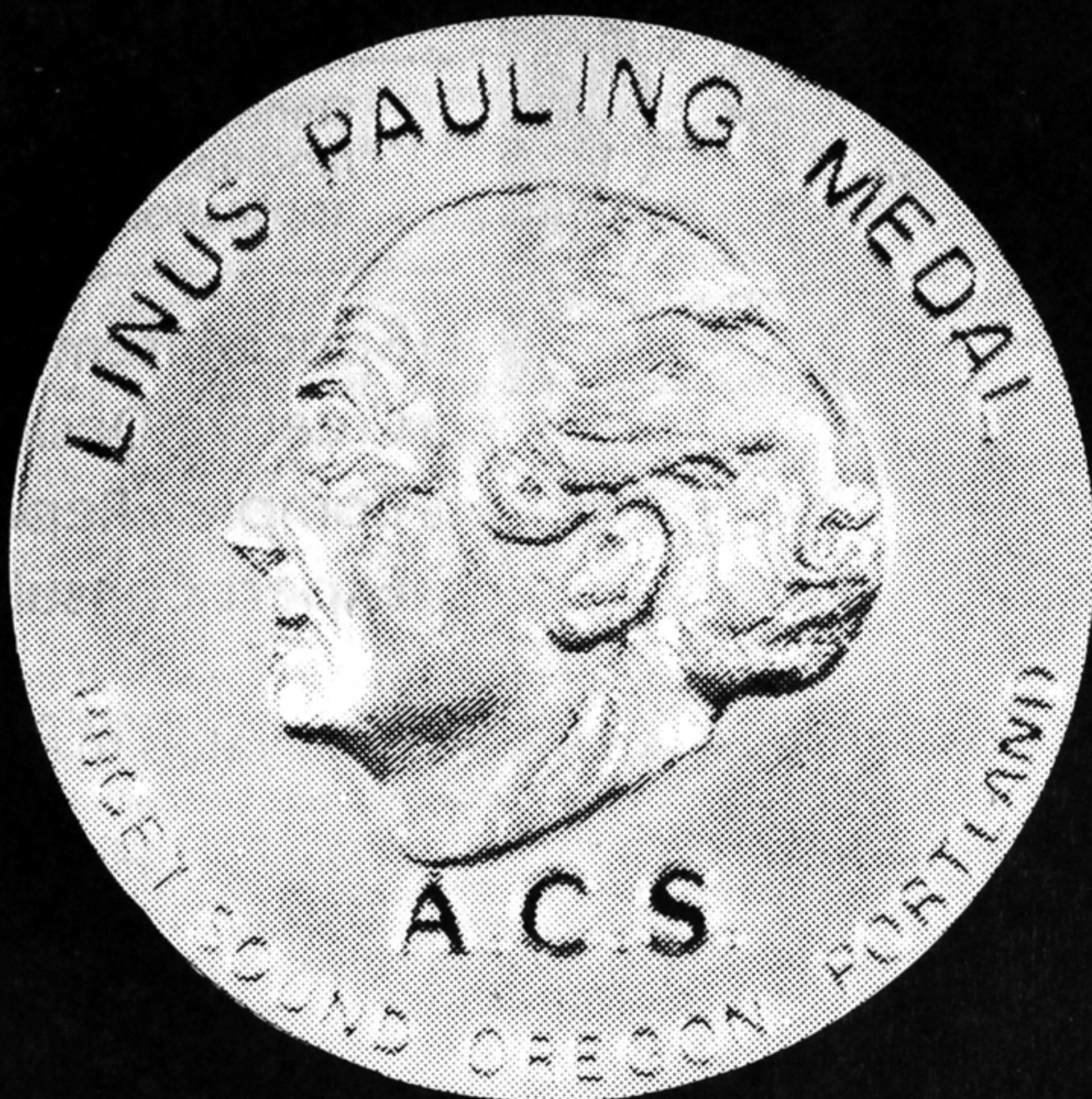


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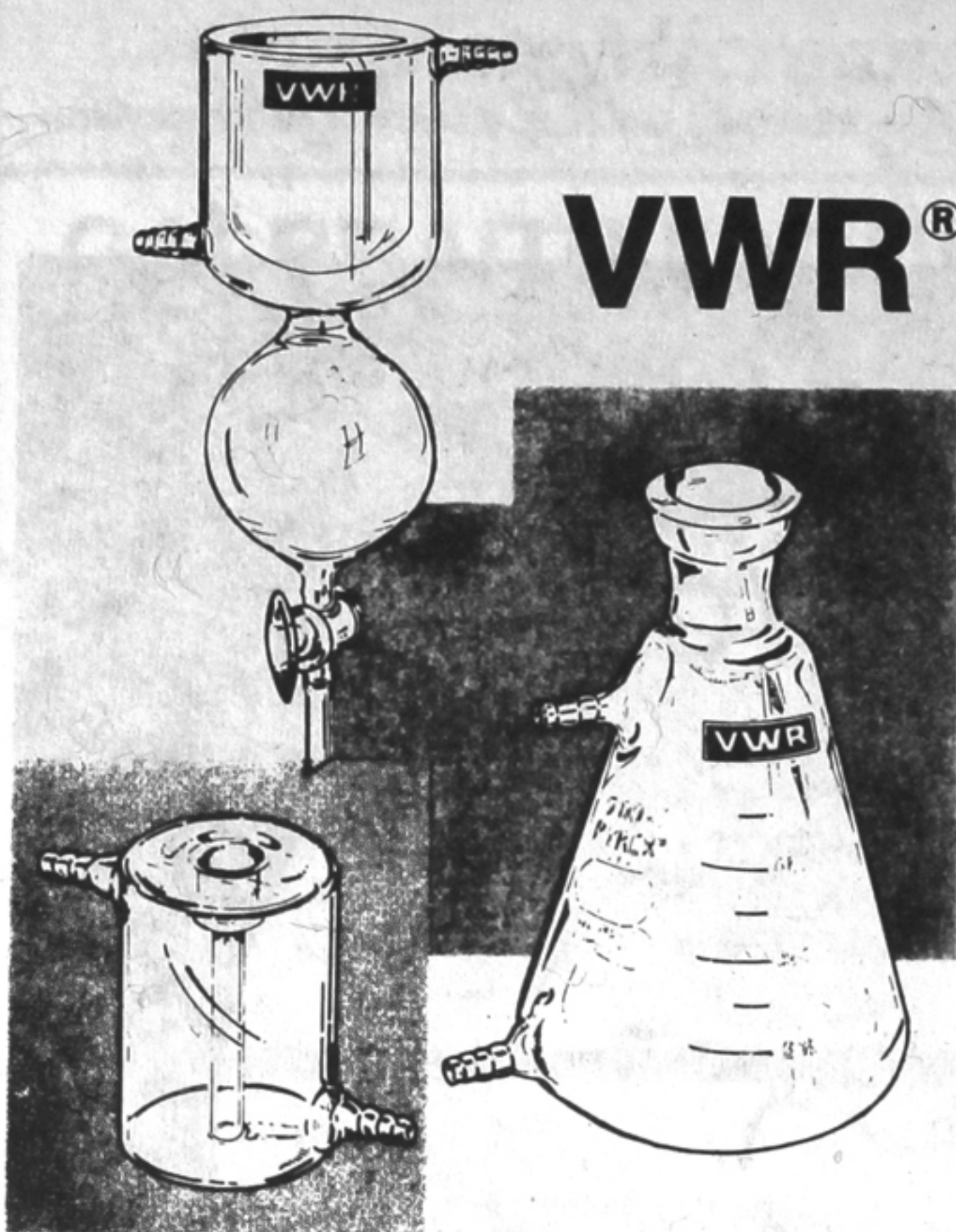
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BULLETIN OF THE PUGET SOUND SECTION OF THE AMERICAN CHEMICAL SOCIETY

Volume 55, Number 5



October 1994



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On the cover: The Pauling Award Medel (see related articles in this issue).



**1994 PAULING MEDAL AWARD
WESTERN WASHINGTON UNIVERSITY
BELLINGHAM, WASHINGTON
NOVEMBER 5, 1994**

PROFESSOR JAMES A. IBERS — 1994 PAULING MEDALIST

The 1994 Pauling Medal Award ceremonies will be held on November 5th at Western Washington University in Bellingham, WA. The 1994 recipient is Professor James A. Ibers of Northwestern University. A symposium will be held in the afternoon, followed by a social hour and the Award Banquet featuring the Pauling Award Address by Professor Ibers.

The Pauling Medal Award, cosponsored by the Oregon, Portland and Puget Sound Sections of the American Chemical Society, annually acknowledges 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. The 1994 event is being organized by the Puget Sound Section of the ACS.

Dr. James A. Ibers was born in 1930 in Los Angeles, California. He received his B.S. and Ph.D. (working with Professor Verner Schomaker) from the California Institute of Technology. After postdoctoral work in Melbourne, Australia, he began his career at the Shell Development Company (1955-1962) and Brookhaven National Laboratory (1962-1965). In 1965, he moved to Northwestern University, where he is now the Charles E. and Emma H. Morrison Professor of Chemistry.

Dr. Ibers is the author of over 500 publications in the fields of inorganic chemistry, coordination chemistry, hydrogen bonding, crystallography, organometallic chemistry, and solid-state chemistry. He has received many honors and awards, including the ACS Awards in Inorganic Chemistry (1979) and Distinguished Service in the Advancement of Inorganic Chemistry (1992). He is a member of the American Academy of Arts and Sciences (1991), and of the National Academy of Sciences (1984). He was a Sherman Fairchild Distinguished Scholar at the California Institute of Technology (1981-82).

Dr. Ibers' work includes major contributions to the development of diffraction techniques for structure determination, and has profoundly influenced structural inorganic chemistry. His prolific and wide-ranging research in molecular structure determinations of important chemical systems has established him as an influential scientist in the best tradition of Linus Pauling.

For the last several years, Dr. Ibers' research has increasingly focused on solid state chemistry. Here there is a striking similarity to Pauling's early work. In the 30's, Pauling was one of the few chemists to look at mineral structures and see the chemistry in them. He saw coordination types which in many cases were not realized in small molecules for another thirty years or more. Similarly, Ibers' work on solid state compounds has elucidated, unified, and systematized analyses of the chemical as well as the physical properties of these materials.

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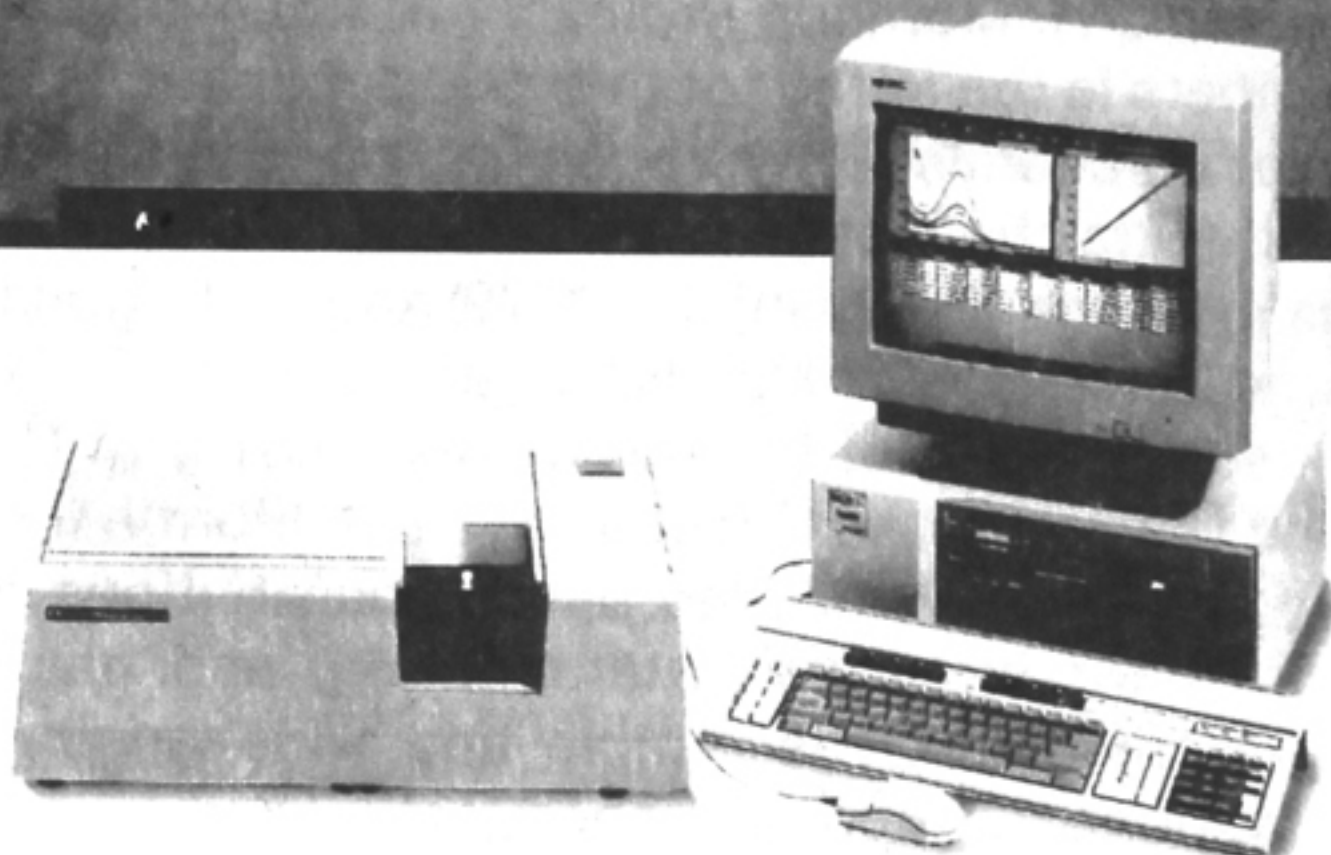
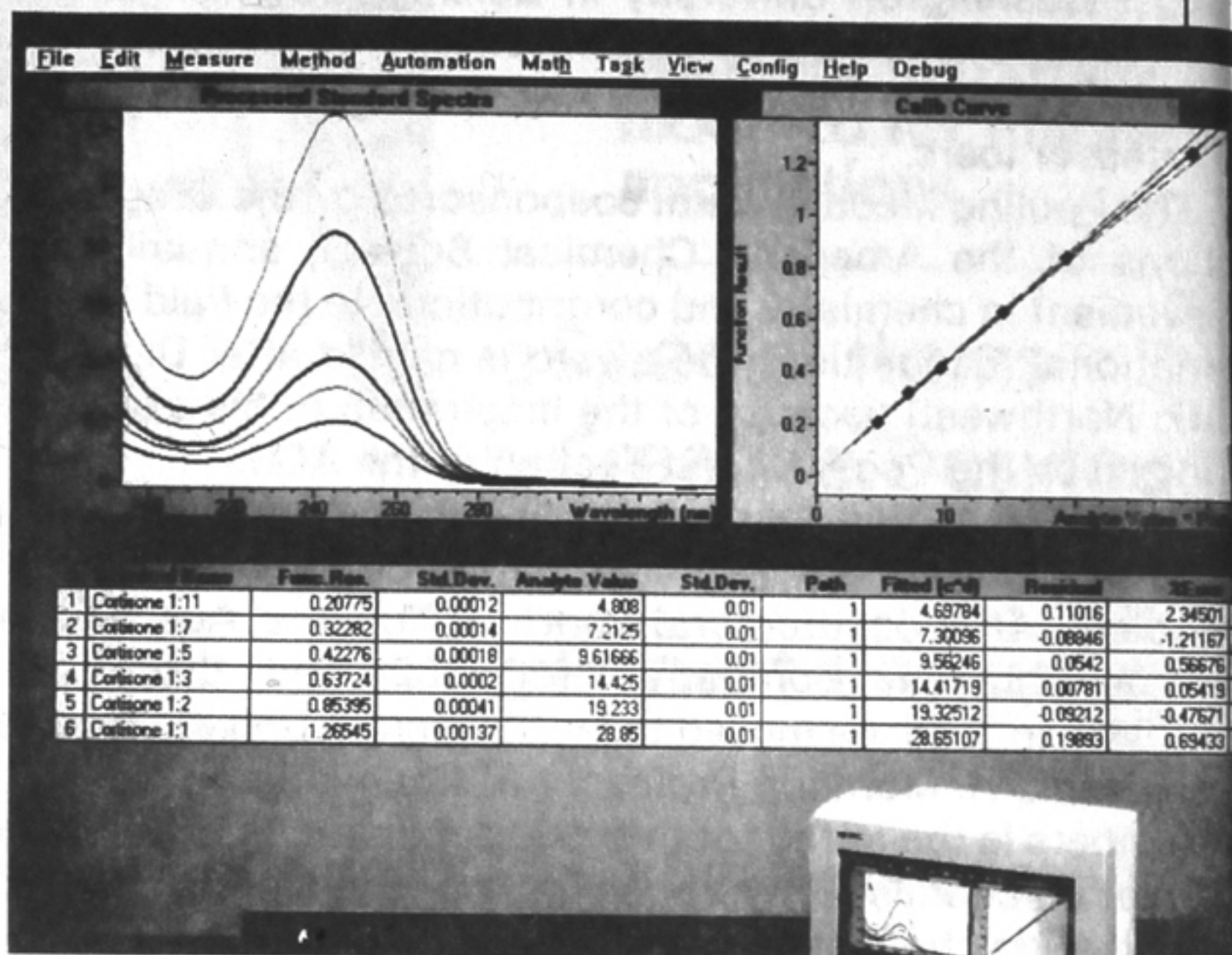
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1994 PAULING AWARD SYMPOSIUM

The Pauling Award Symposium will begin at 1:30 p.m. in Parks Hall 146 on the Western Washington University campus. Speakers will include Professor Harry Gray of the California Institute of Technology, Professor Ken Raymond of the University of California, Berkeley, Professor D. M. P. Mingos of the Imperial College of Science, Technology and Medicine (London) as well as Professor Ibers. The symposium will be followed by a social hour scheduled at 5:30 pm. Both the symposium and social hour are free and open to the public.

The Pauling Award Banquet will follow the social hour, service beginning at 7:00 p.m. The meal will include choice of prime rib, chicken Wellington or pasta primavera, as well as salad, side dishes, dessert and wine. Following the dinner will be the presentation of the 1994 Pauling Medal and Professor Ibers' Award Address.

The charge for the banquet is \$27.50. Tickets for the banquet may be obtained by sending a check for \$27.50 per person, payable to **Western Washington University — Pauling Symposium**, to Prof. Mark Bussell, Department of Chemistry, MS-9150, Western Washington University, Bellingham, WA 98225. Please specify the desired main course with your payment. Deadline for the receipt of payment is **October 26, 1994**. Tickets may be picked up at the social hour prior to the banquet.

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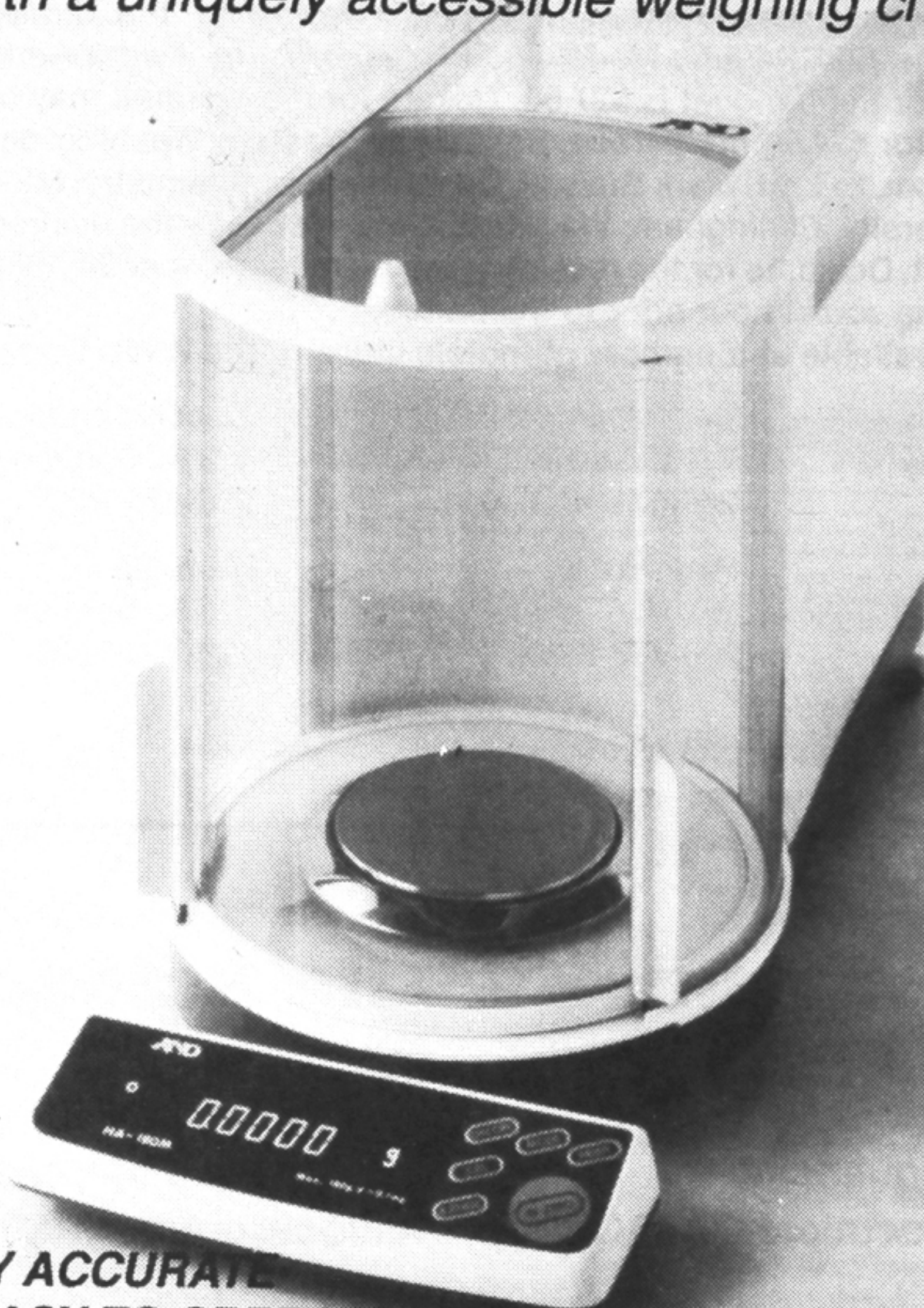
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LINUS PAULING 1901-1994

Linus Pauling graduated from Oregon Agricultural College in 1922 with a degree in chemical engineering. He went on to the California Institute of Technology where, in 1925, he received a doctorate in chemistry. After a year abroad, he joined Caltech as a faculty member and remained there for over three decades. He established the Linus Pauling Institute of Science and Medicine in Palo Alto, CA, in 1973.

Pauling's wide-ranging scientific work has had enormous influence on almost every field of chemistry. Among his interests have been the structure of molecules and crystals, the nature of chemical bonding, immunochemistry and disease and, more recently, "orthomolecular medicine" - the determination of the optimal amounts of substances, such as vitamin C, for maintenance of good health. His discovery of the structure of several proteins, including the famous alpha-helix, led to his 1954 Nobel Prize in Chemistry. He was the recipient of numerous other prizes and medals, including the ACS Priestley Medal, and received honorary degrees from numerous distinguished universities around the world. His scientific publications number several hundred and include several books.

Science was not Linus Pauling's sole interest. With his wife Ava Helen, whom he met while they were students at Oregon Agricultural College, he was an implacable foe of the spread of nuclear weapons, and he campaigned tirelessly on behalf of this issue. Pauling's public disclosure of the danger to human life from fallout resulting from tests of nuclear weapons in the atmosphere played a major role in the subsequent international agreement banning such tests. For his efforts on behalf of peace, he was awarded the 1962 Nobel Peace Prize.

Linus Pauling was the most distinguished chemist from the Northwest.

Pauling Award Recipients

1966 Linus Pauling	1980 John D. Roberts
1967 Manfred Eigen	1981 Henry Taube
1968 Herbert C. Brown	1982 George Pimental
1969 Henry Eyring	1983 Gilbert Stork
1970 Harold C. Urey	1984 John S. Waugh
1971 Gerhard Herzberg	1985 Herold Scheraga
1972 E. Bright Wilson	1986 Harry B. Gray
1973 E. J. Corey	1987 Harden M. McConnell
1974 Roald Hoffman	1988 Keith Ingold
1975 Paul Bartlett	1989 Neil Bartlett
1976 F. Albert Cotton	1990 James P. Collman
1977 John A. Pople	1991 Rudolf Marcus
1978 Dudley Herschbach	1992 Kenneth Wiberg
1979 Daniel Koshland	1993 Richard Zare

CALL FOR NOMINATIONS FOR 1995 SECTION OFFICERS

Suggestions for nominations for 1995 officers of the Puget Sound Section of the American Chemical Society should be made to Dr. Randy Eatherton, Chair, Puget Sound Section, P.O. Box 24032, Seattle, WA 98124-0032.

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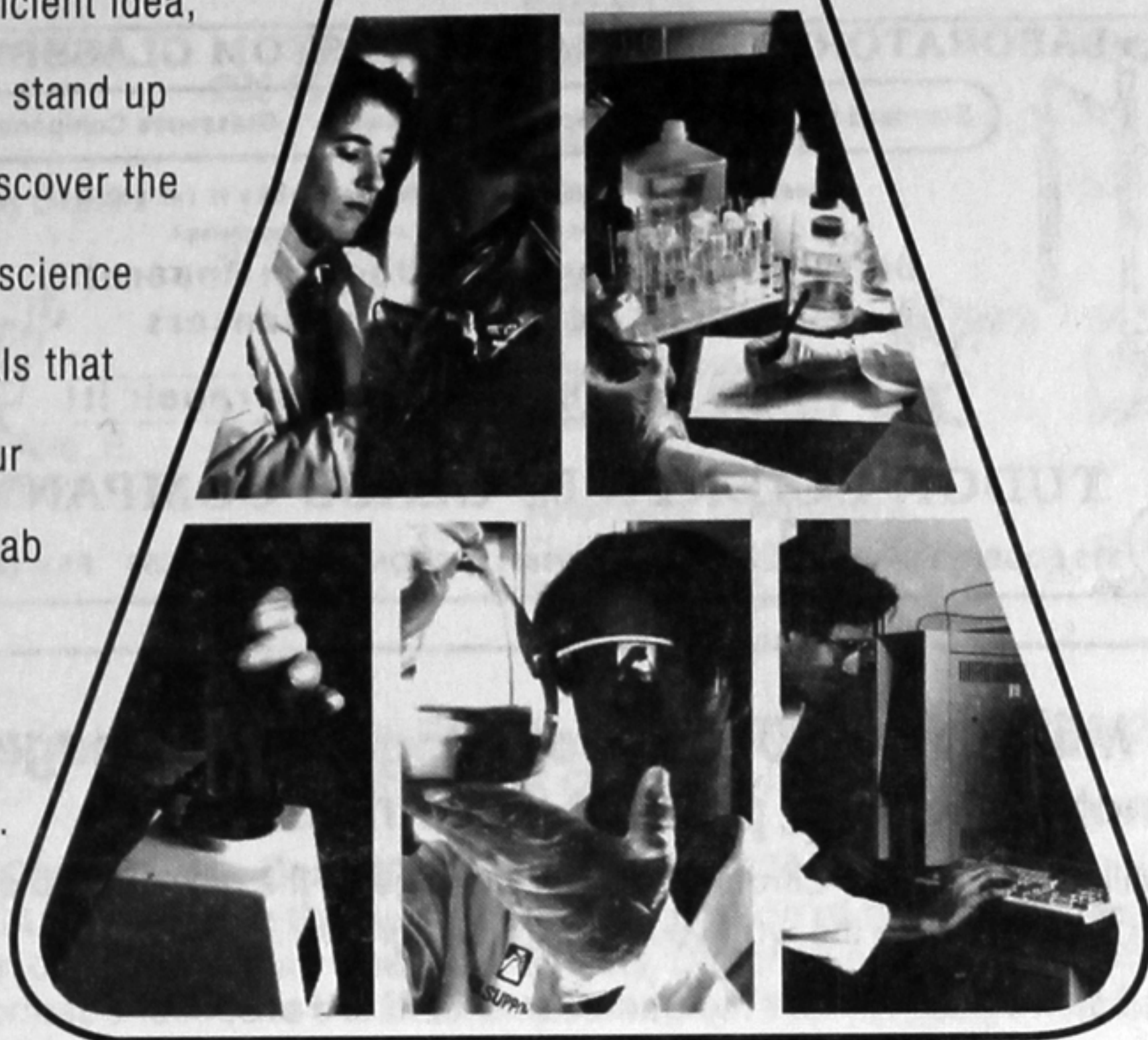
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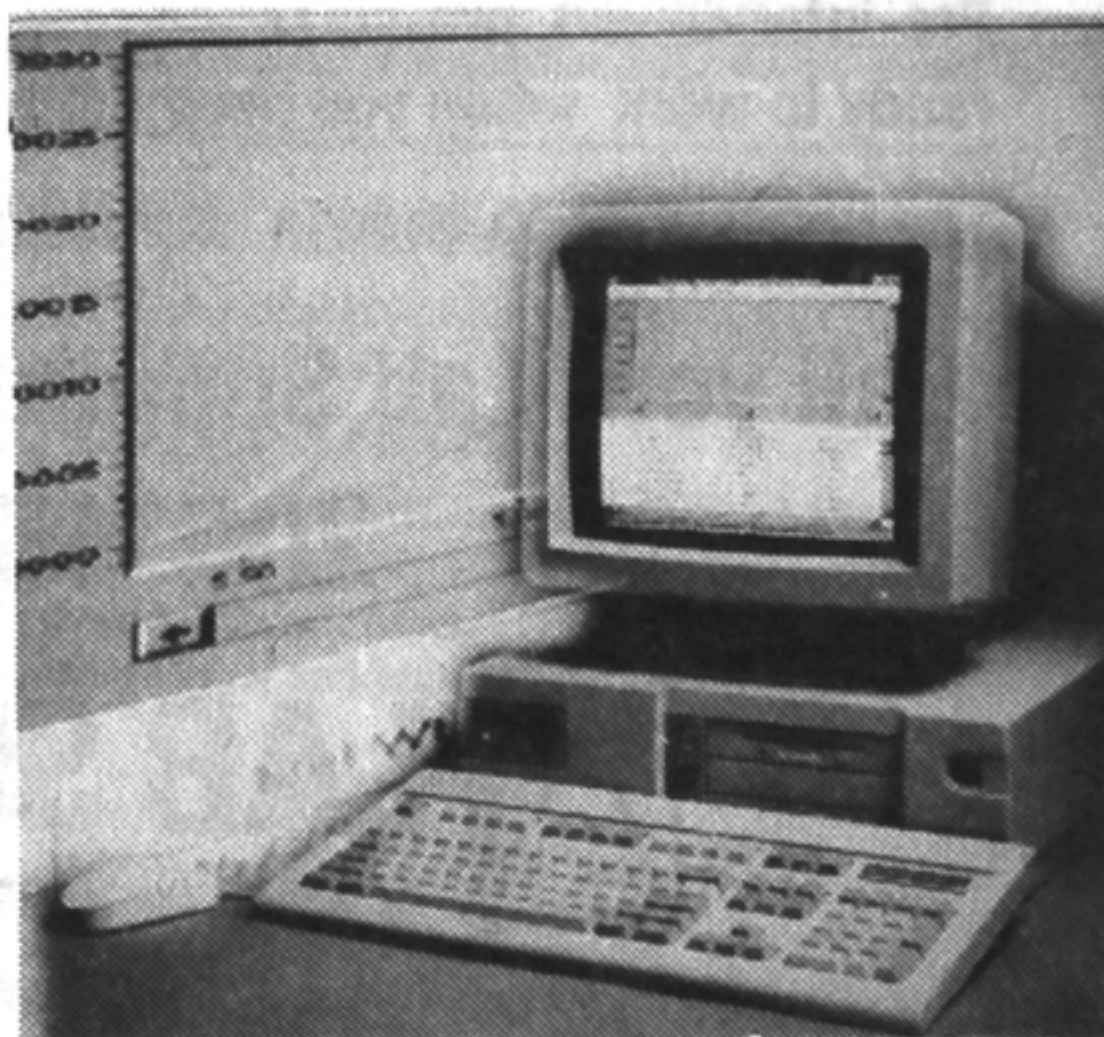
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Meetings are open to all members and are held on the second Wednesday each month.

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