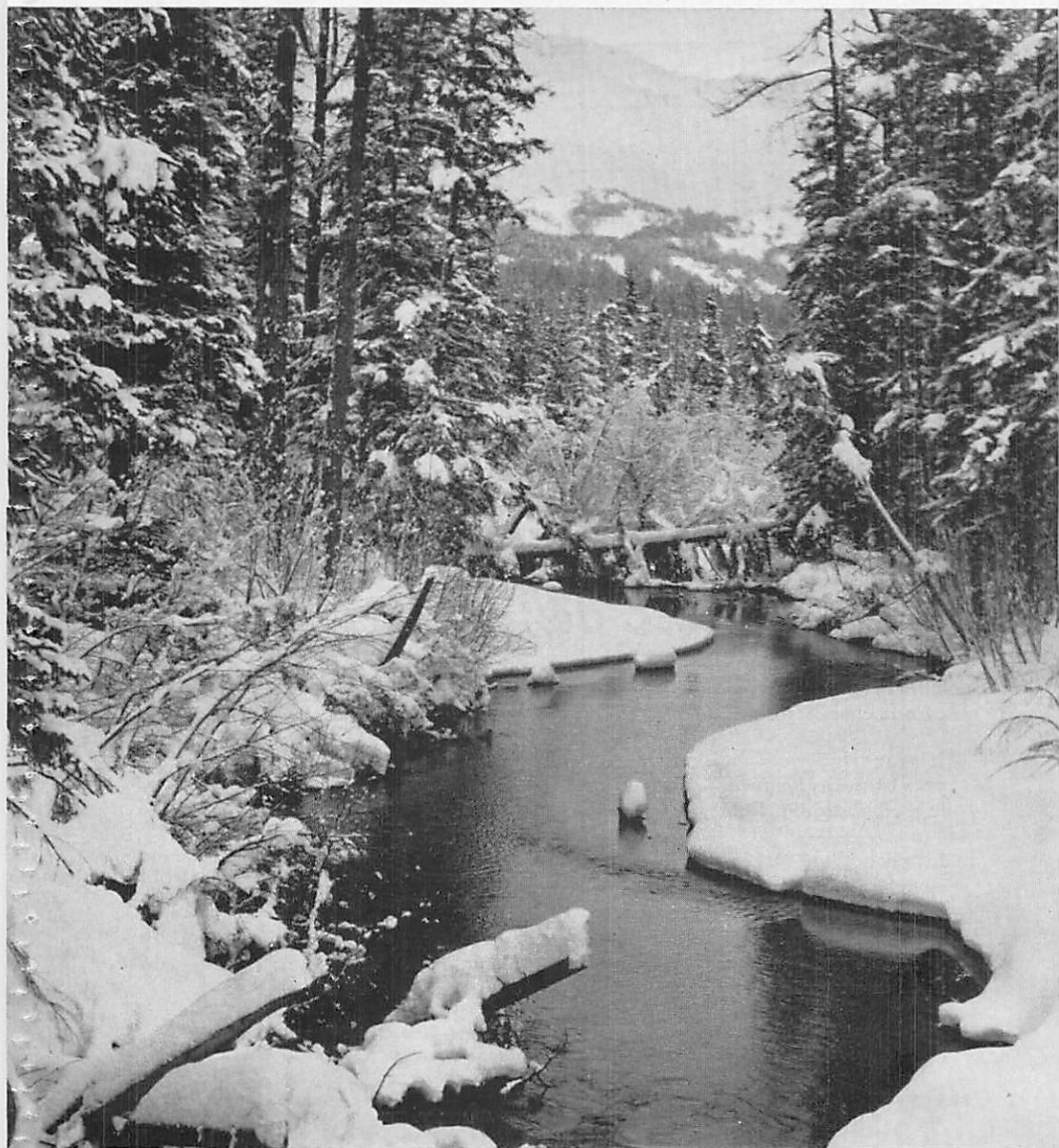


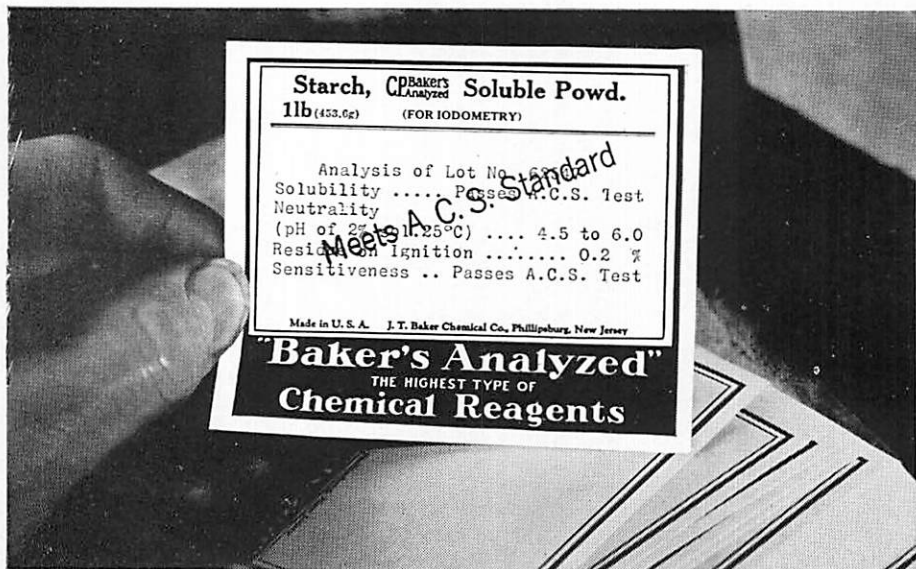


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Bulletin of the Puget Sound Section of the American Chemical Society



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Volume IX January, 1948 Number 1

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THE EDITOR'S RETORT

In the best of editorial form, we must here again comment on the arrival of a New Year. To this department, the outstanding feature of this event is the departure of the retiring Editor, and with each passing day the weight of his bequeathed responsibilities rests more heavily upon us. We both admire and envy the performance of last year's editorial staff, and we herewith record the solemn hope that the affairs of the PUGET SOUND CHEMIST will continue to proceed as smoothly in 1948 as they have during the year just passed.

Every indication, from poll, conversation and the daily news is that the coming year will be one of record prosperity, if not perhaps happiness, for this country. In the glow of a successful year just passed, with anticipation of a surpassing one to come, we read with somewhat of a pang an article on C.A.R.E. in the December issue of *Fortune Magazine*. C.A.R.E. (Cooperative for American Remittances to Europe, Inc.) is performing a magnificent task in delivering packages to individuals in destitute European countries as the gifts of those in this country who have friends or relatives abroad, or who merely wish to provide some slight measure of relief for anyone in any of the countries served. For the sum of \$10.00, a standard food package containing about 48,000 calories may be sent to any individual or family in France, Germany, the Low Countries, Austria, Czechoslovakia, Eire, the British Isles, Norway, Finland, Poland, Italy, Greece or Bulgaria. It would, it seems to us, be a highly appropriate gesture if the members of this Section, acting as a group, could sponsor a number of packages to be forwarded to chemists or chemical engineers in the more desperately stricken countries. If any member has a friend or acquaintance who could be the recipient of such a package, The Editor would appreciate learning details

(Continued on page 18)

February Meeting

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

JOINT MEETING WITH A. I. Ch. E.

Wednesday, Feb. 18, 1948



SCHEDULE

4:00 PM — PLANT VISITS

PERMANENTE METALS COMPANY
HOOKER ELECTROCHEMICAL COMPANY
PENNSYLVANIA SALT MANUFACTURING
COMPANY OF WASHINGTON

6:00 PM — SOCIAL HOUR

THE TOWERS RESTAURANT

7:00 PM — DINNER

8:00 PM — PROGRAM

SPEAKER

C. L. THOMPSON,
Pacific Lumber Company

SUBJECT

**"THE WASTE UTILIZATION PROGRAM
OF THE PACIFIC LUMBER
COMPANY"**

Announcements Will Be Mailed

January Speaker . . .



CARL M. STEVENS

Carl M. Stevens was born in Washington, D. C., October 31, 1915. He graduated from American University in 1937, and spent the following year with the International Paper Company, Livermore Falls, Maine.

Entering the graduate school of the University of Illinois in 1938, he received his Ph.D. in 1941, working with H. E. Carter on the chemistry of azlactones and on the metabolism of branched-chain fatty acids. The years 1941 to 1945 were spent in the laboratories of Vincent du Vigneaud, Cornell University Medical College, N. Y. C., working first on the mechanism of action of vesicants and later on the chemistry of penicillin. In 1946 he became Assistant Professor of Biochemistry at the State College of Washington, Pullman.

He has been a member of the American Chemical Society since 1938, and last year served as Secretary of the Washington-Idaho Border Section, as well as General Secretary of the Second

Northwest Regional Meeting. He is also a member of the A. A. A. S. and the Harvey Society.

His present interests are especially in the chemistry and metabolism of amino acids and related compounds, in which class he includes penicillin.

Minutes of the 265th Regular Meeting of the Puget Sound Section of the American Chemical Society,

The meeting was called to order by Chairman Herbert R. Erickson at 7:53 p.m.

As the minutes of the preceding meeting were published in the *PUGET SOUND CHEMIST* their reading was dispensed with.

Dr. Q. P. Peniston gave the Treasurer's report for the year 1947. It was moved, seconded and carried that the Treasurer's report be accepted as read.

However, it was pointed out that the Treasurer's accounts would receive the accustomed audit.

Dr. Sivertz announced the passing of Mr. F. Leonard Cooper, of Scientific Supplies Company and moved that a letter of sympathy be sent to the family which would also express the appreciation of the Society for the activities of Mr. Cooper beneficial to the American Chemical Society. The motion was seconded and unanimously carried.

The speaker of the evening, Dr. Wendell W. Moyer, was introduced by Dr. Q. P. Peniston. Dr. Moyer presented the Section with a very interesting and enlightening discussion of "Recent Advances in Starch Chemistry." An active discussion followed the address.

The meeting adjourned at 9:40 p.m.

A social period followed during which light refreshments were served.

COLLIS C. BRYAN,
Secretary

DR. LINUS C. PAULING NEW PRESIDENT-ELECT

Dr. Linus C. Pauling, chairman of the division of chemistry and chemical engineering of the California Institute of Technology and one of the world's leading theoretical chemists, has been elected president of the American Chemical Society for 1949.

Dr. Pauling will take office as president-elect of the Society on January 1, 1948, when Dr. Charles A. Thomas, executive vice-president and technical director of the Monsanto Chemical Company, St. Louis, Mo., becomes president, succeeding Dr. W. Albert Noyes, Jr., of the University of Rochester. Dr. Pauling was chosen by the Society's Council from four nominees receiving the largest number of votes in a national mail ballot of the Society's 55,000 members.

In 1931, at the age of thirty, Dr. Pauling received the \$1,000 American Chemical Society Award in Pure Sciences, given to chemists of unusual promise at the threshold of their careers. During the intervening sixteen years, Dr. Pauling, now forty-six, has won many high honors both in the United States and abroad for his contributions to basic chemical science.

This year, he received the Davy Medal of the Royal Society of London. The Willard Gibbs Medal of the Chicago Section of the American Chemical Society and the William M. Nichols Medal of the Society's New York Section are among the other distinctions which have been conferred upon him.

Dr. Pauling was born in Portland, Ore., on February 28, 1901. He attended school in Condon, Ore., and Portland, and then studied chemical engineering at Oregon State College, receiving the Bachelor of Science degree in 1922. He won a teaching fellowship at the California Institute of Technology and was awarded the Doctor of Philosophy degree by the Institute in 1925. He also received the honorary degree of Doctor of Science from Oregon State College in 1933, and from the University of Chicago in 1941.

In 1925-26 he was a National Research Fellow and in 1926 and 1927 a Guggen-

heim Fellow, studying with Professors Arnold Sommerfeld in Munich, Niels Bohr in Copenhagen, and Erwin Schrodinger in Zurich.

Dr. Pauling was appointed an assistant professor of theoretical chemistry at the California Institute of Technology in 1927, when he was twenty-six. He became an associate professor in 1929 and a full professor in 1931. He was named head of the division of chemistry and chemical engineering and director of the Gates and Crellin Laboratories of Chemistry in 1937. He lectured at the University of California each spring from 1929 to 1933, served as visiting professor at the Massachusetts Institute of Technology in 1932, and was George Fisher Baker Lecturer at Cornell University in 1937-38.

Early in 1946 he was chosen by the Rochester Section of the American Chemical Society to present the first Harrison Howe Lecture, established as a memorial to the late Dr. Harrison E. Howe, editor, author, and lecturer who helped found that Section.

Recently Dr. Pauling accepted an invitation to visit England for the next six months as guest professor at Oxford University.

Dr. Pauling has been an editor of the American Chemical Society Monographs and an associate editor of the "Journal of the American Chemical Society" and the "Journal of Chemical Physics." He has been a Councilor-at-Large of the American Chemical Society, and is a fellow of the American Physical Society, an honorary fellow of the Chemical Society of London, and a member of the American Philosophical Society, the National Academy of Sciences, the Royal Society of Liege, Sigma Xi, Tau Beta Pi, Sigma Tau, Phi Kappa Phi, and Delta Upsilon.

Dr. Pauling is the author of books on "General Chemistry" and "The Nature of the Chemical Bond" and of many scientific articles, and the co-author of "The Structure of Line Spectra" and "Introduction to Quantum Mechanics With Application to Chemistry."

His research has included studies on the determination of the structure of crystals and molecules, the application of quantum mechanics to chemistry, the rotation of molecules in crystals, the sizes of ions, the theory of stability of complex crystals, the chemical bond, line spectra and immunochemistry. In 1940 he published the first of a series of papers advancing a theory of the structure and formation of antibodies, the agents developed by the body to fight disease organisms, which has provided a basis for extensive investigation of the activity of serums.

New Award for Outstanding Achievement in Analytical Chemistry Announced

C. G. Fisher, president of Fisher Scientific Company and of Eimer and Amend, has proposed an award to recognize and encourage outstanding contributions to analytical chemistry, and has offered to finance such an award. The Board of Directors of the American Chemical Society has accepted administrative responsibility for the new award.

The first presentation of the award, consisting of \$1,000 and an original etching to symbolize the award, will be made at the annual Fall meeting of the Society in September, 1948.

A Canvassing Committee, consisting of C. M. Alter, chairman, G. E. F. Lundell and M. G. Mellon, has been formed to make a selection of possible award winners. The final selection is then to be made by an anonymous committee.

The rules for the award contain the following four statements:

1. Purpose—To recognize and encourage outstanding contributions to the science of analytical chemistry, pure or applied, carried out in the United States or Canada.

2. Nature—The award consists of \$1,000 and an original etching. An additional allowance of not more than \$150 is provided for actual traveling expenses to the meeting at which the Award will be presented.

3. Rules of Eligibility—A nominee must be a resident of the United States or Canada and must have made an outstanding contribution to analytical chemistry. Special consideration will be given to the independence of thought and the originality shown, or to the importance of the work when applied to public welfare or the needs and desires of humanity.

4. Award Lecture—The recipient of the Fisher Award may be asked by the Award Committee to deliver a paper or lecture upon the subject of his scientific work at the time the award is presented.

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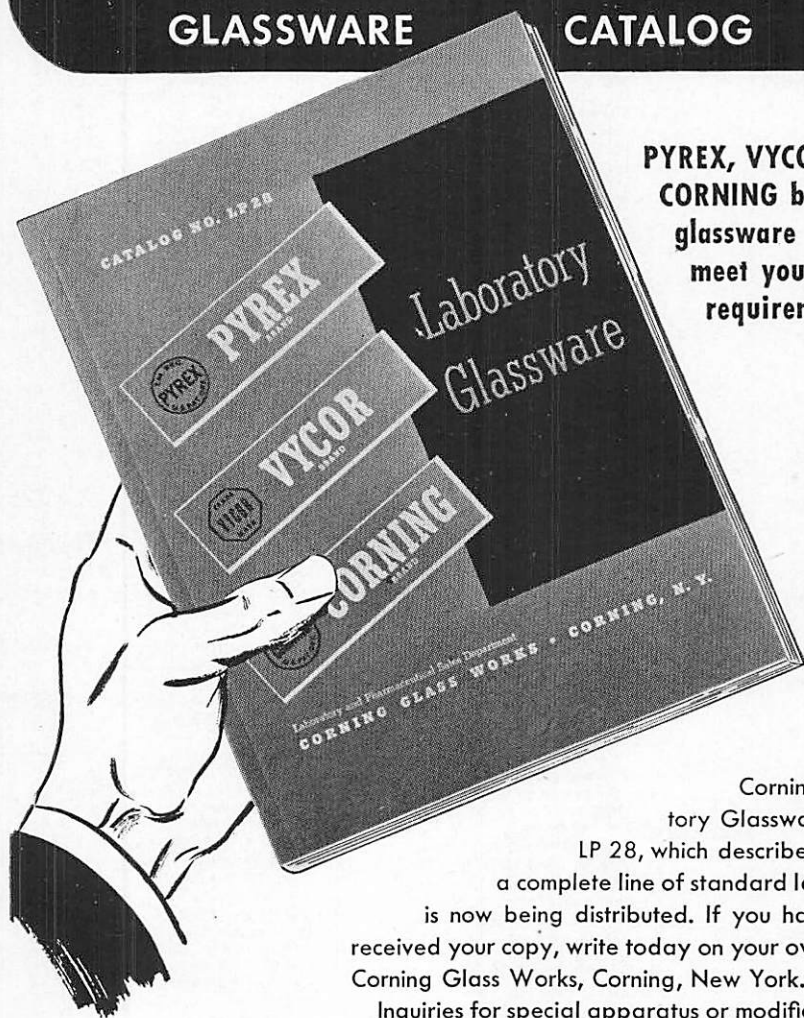
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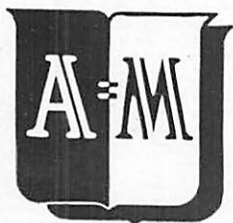
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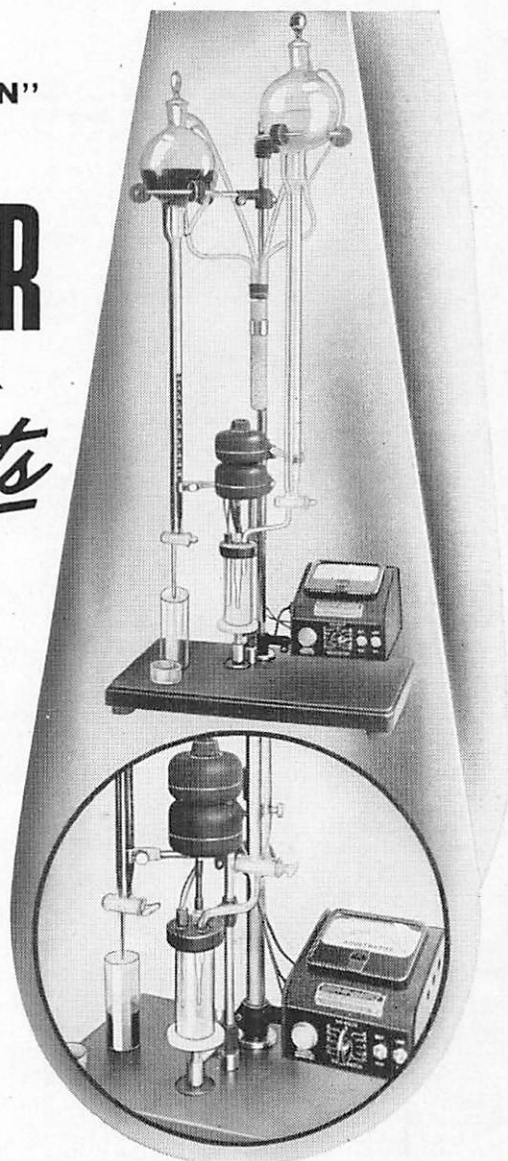
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National Bureau of Standards
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THE EDITOR'S RETORT

(Continued from page 3)

for later publication. We should also like to receive suggestions as to what localities might be chosen as the recipients of packages from the Section. If the idea, as we firmly believe, has merit it should receive the full support of the group. A contribution of only \$1.00 from each member would permit us to send over 30 food packages to over 30 of our "opposite numbers" on the European continent. The meaning of one of these packages to someone in a blighted, war-torn country could only be fully appreciated by those who may have had to subsist on less than the required number of calories for any length of time. (Contributions from those who agree that the sponsorship of C.A.R.E. packages by the Section is a worthy idea will be accepted by The Editor, who will also undertake all necessary arrangements. Such contributions should be accompanied by suggestions as to recipients.)

As a New Year gift, the CHEMIST is faced with an inharmonious situation in the printing industry, which may, and probably will, delay the date on which this issue is received by our readers. By way of explanation we merely state that this results from causes beyond our possible control. For details, please refer to your daily paper.

The New Year also brings a new panel of officers, and a new round of committee appointments. As of the date of publication, our chairman is still struggling with the complexities of this problem. To avoid placing further pressure upon him, we have therefore not attempted to publish the committee appointments for 1948 in this issue, but will include a final and complete report in February. Preliminary discussions indicate, however, that many promising and well-conceived plans are in the making, and we feel confident that the year ahead will be one of profitable and interesting activity for the Puget Sound Section.

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EARLY THAW

*In a premature manifestation of
Spring, a mountain stream flows
icily down between snow-covered
banks.*