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## NOVEMBER MEETING

“Research on Red Salmon of Bristol Bay”

Bagley Hall, University of Washington

November 20, 8:00 P. M.

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*The*  
**PUGET  
SOUND**

**CHEMIST**

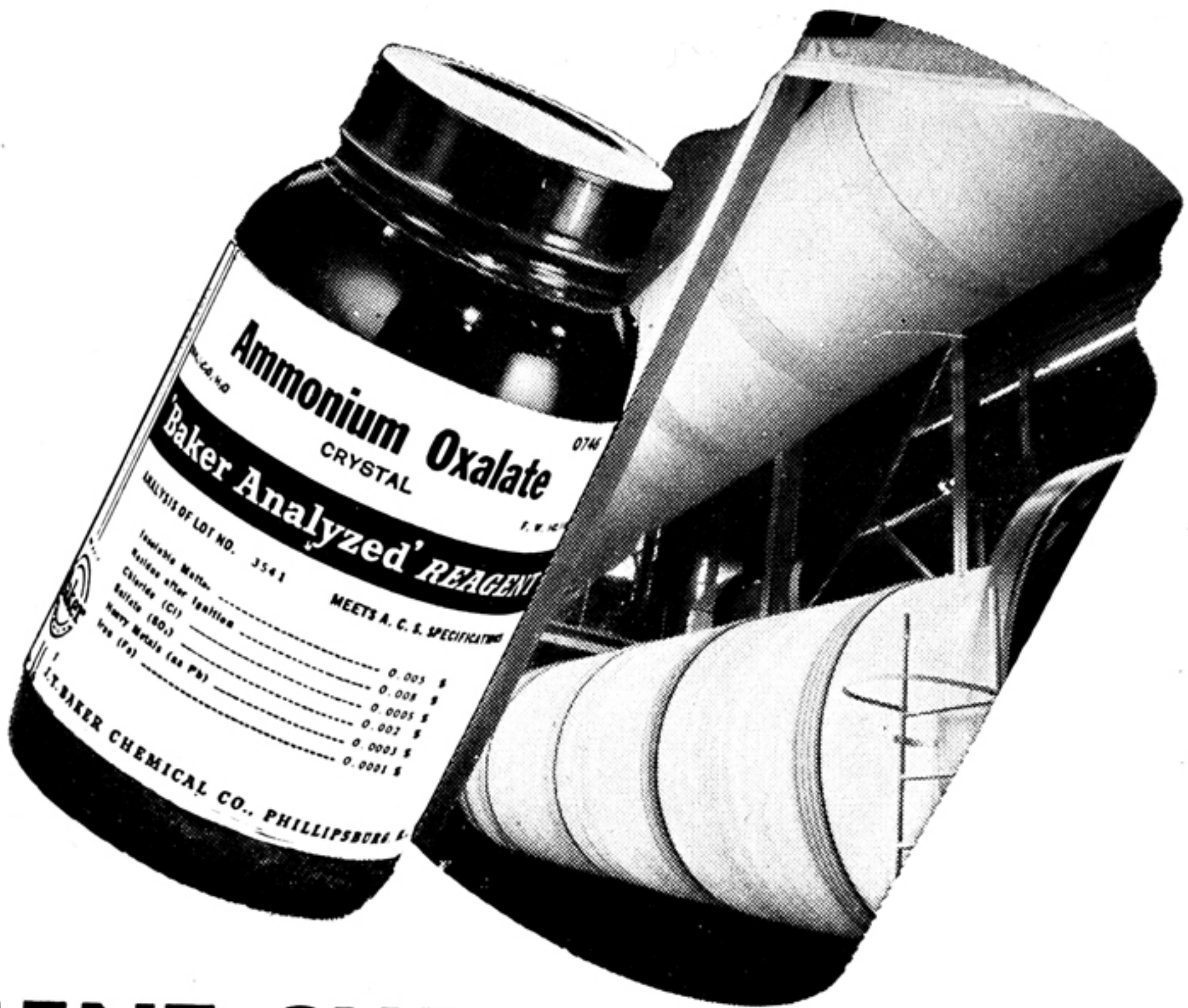
BULLETIN OF THE PUGET SOUND SECTION OF THE AMERICAN CHEMICAL SOCIETY

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NOVEMBER 1952





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# *The* **PUGET SOUND** **CHEMIST**

**Published by the Puget Sound Section of the American Chemical Society**

Monthly from September through June. Non-member subscription rates, \$1.50 year. For non-receipt of copies or change of address, notify Puget Sound Section Secretary. The Puget Sound Section of the A. C. S. assumes no responsibility for the statements and opinions advanced by contributors to its publication. Views expressed in the editorials are those of the editors.

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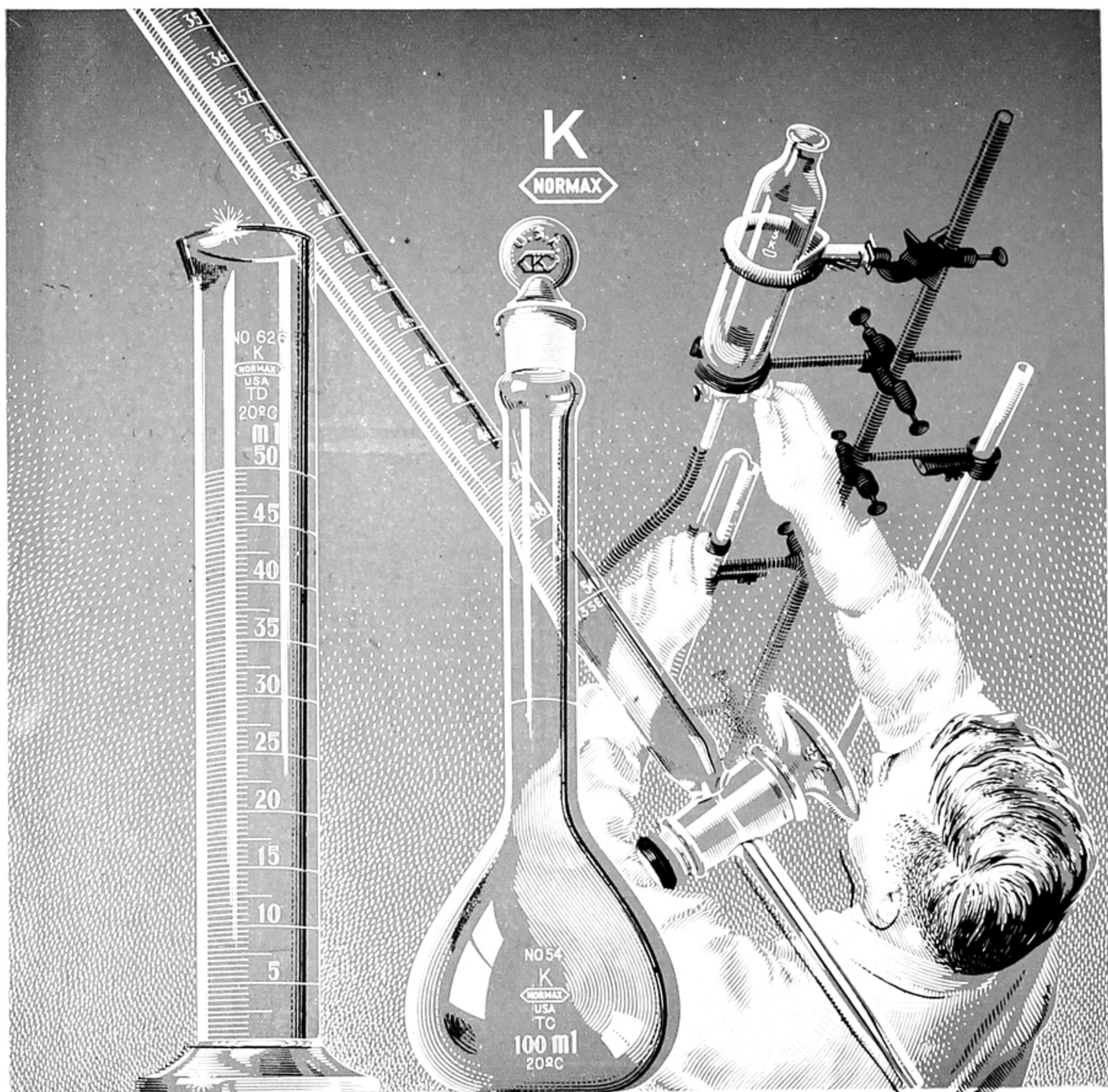
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**PUGET SOUND CHEMIST**



## NOVEMBER MEETING

8:00 P. M. Thursday, Nov. 20, 1952

(Note that this meeting will be in Bagley Hall as usual and not in the Fisheries Auditorium as announced at the October meeting.)

Bagley Hall, Room 131

"Research on the Red Salmon of Bristol Bay"

W. F. Thompson, R. L. Burgner, and

Bristol Bay Project Staff

Fisheries Research Institute

University of Washington g



### SUMMARY

This lecture will be in the form of a progress report on the long term investigation of all aspects of the life of the Alaska red salmon in the Bristol Bay region. The investigation cover five species and all of the Alaskan coast line. That in Bristol Bay is typical. This project has been carried on for six years, during which a great amount of basic information on the life history of the salmon from the spawning grounds to the ocean and the return four to six years later has been collected and interpreted. Simultaneously the effect of commercial fishing on the population of the annual runs has been under study. The results from this research to date have already revealed many unsuspected phenomena in the complicated life cycle of the salmon, and the interpretation of information already collected suggests that a considerable revision in present conservation practices may be necessary if the Bristol Bay fishing grounds is to be maintained at an optimum level of productivity.



She: "I don't look thirty, do I, dear"?

He: "Not any more".

Sue: "Am I the nicest girl you ever kissed?"

Rod: "As a matter of tact, yes."

No good iron mine is content to rest on its ores.

## MURRAY BREESE ASSOCIATES

### MOVED

After seventeen years at their present address, Murray Breese Associates, Inc. announce the removal of their offices, on November 1st, to their own building at 76 North Broadway, Irvington-on-Hudson, New York. Telephone IRvington 9-3804.

A conference office will be maintained at The Chemists' Club, 52 East 41st Street, New York, 17, N. Y. Please change your records accordingly.



### CHAIRMAN'S MESSAGE

In this issue appears a 60 point summary of the American Chemical Society activities. These are generally divided between the general advancement the science and of the profession. You contribute to and receive from most of these through membership. A study of this summary should convince all that we get a lot for our money and time.

Bound in the center of this issue you will find a membership blank. You can strengthen your society, and improve your own lot by getting a new member. There are some of your associates or acquaintances merely waiting for an application blank and some that will need convincing. Actually every member of ACS is a member of the membership committee so each is encouraged to spend some time in the next several weeks to increase membership. If every member attempts to get a member our local section will grow. Give it a try between now and a proposed membership dinner scheduled for January.

You are also invited to make your wishes known for a better program for the Puget Sound Section. Although the program chairman is not a mind reader, his job is to make the activities as satisfactory for as many as possible. We have had some suggestions for more out of Seattle meetings—more social type programs, etc. Lets hear more about what you want.



## MORE ACTIVITIES OF THE A. C. S.

(60 REASONS FOR MEMBERSHIP)

### SCIENTIFIC

#### Publishing

1. Publication of outstanding journals which are sold to members below cost including collective indexes of various kinds.
2. Editorial responsibility for another journal which supplements those published by the Society.
3. Division publication of specialized journals and books.
4. Publication in the Advances in Chemistry Series of symposia covering broad fields.
5. Selection of subjects and authors for treatises in specific fields not adequately covered by existing books and editorial supervision of the ACS Monograph Series.
6. Publication of certain specialized books such as Seidell's "Solubilities" and "Reagent Chemicals, ACS Specifications."
7. Distribution of single issues, volumes, and sets of ACS publications from prior years to make accumulated knowledge more readily available.
8. Distribution of reprints of articles or groups of papers likely to be needed in booklet form.
9. Preparation of books of abstracts of all papers given at a national meeting.
10. Provision at low rates of microfilms and photoprints of any article on chemistry or chemical engineering abstracted in Chemical Abstracts and available in the United States.
11. Development of methods for literature searching by new mechanical and electronic sorting devices and preliminary design of new and more suitable equipment.
12. Participation in the program of the American Documentation Institute.
13. Aid to foreign projects of value to American chemists, such as Beilstein and Gmelin.

#### Standardization

14. Extensive studies leading to systematic, scientific, and standardized nomenclature.
15. Drafting and promulgation of high standards of quality for analytical reagents, now generally accepted by the trade (see 6 above.)
16. Cooperative work on standards for scientific apparatus, especially for simplified practice.
17. Participation in the preparation of the International Table of Atomic Weight.
18. Cooperation in the development of better biological stains and their standardization.
19. Assembly and regular publication of data on hazardous chemicals and explosives in cooperation with National Fire Protection Association.
20. Participation in activities of the American Standards Association covering subjects such as photography, letter symbols and abbreviations, graphics, and sieves.

#### Education

21. ....Preparation and distribution of vocational guidance information and local counselling.
22. Attempts to better science instruction in high schools.
23. Aid to local high school teachers by various local sections.
24. Improvement of professional education through a comprehensive and exacting program of approval of departments of chemistry. (Cont. on Page 11)



# What's behind this label?



## 85 years of experience

Through 85 years of manufacturing, Mallinckrodt has built a reputation for unsurpassed "know-how" in the production of fine chemicals. Mallinckrodt draws on this extensive accumulated experience in the production of its A.R.'s.\*

## Strict laboratory controls

Strict laboratory controls guarantee dependable purity. All Mallinckrodt A.R.'s must conform to predetermined standards. Mallinckrodt chemists have cooperated closely with the Committee of Reagents of the A. C. S. in the development of reagent specifications. Better methods of quality control are continually being devised by Mallinckrodt analytical chemists.

## Research and precision manufacturing

Research on Analytical Reagents is a permanent part of the Mallinckrodt program, developing new and improving old products to meet the specific needs of reagent users. Mallinckrodt continually produces A.R.'s and other fine chemicals to high purity standards, batch after batch, year after year.

## Proper packaging

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## Availability

Mallinckrodt's extensive manufacturing facilities assure complete stocks for prompt delivery. Equally important, Mallinckrodt A.R. distributors, more than 65 of them in every part of the country, can make immediate delivery from stock.

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# Here Is A

## MEMBERSHIP APPLICATION BLANK

FOR

### The American Chemical Society



*Get it in the hands of a qualified prospective member and urge that he join. There are 60 reasons for membership listed elsewhere in this issue.*

#### BRIEF HISTORY OF A. C. S.

The A. C. S. was formed in April 1876. Membership now exceeds 66,000. It is the largest technical society in the world and has a national charter given by the 75th Congress.

The national charter and its constitution contain the following:

The objects of the American Chemical Society shall be

- (1) to encourage in the broadest and most liberal manner the advancement of chemistry in all its branches;
- (2) the promotion of research in chemical science and industry;
- (3) the improvement of the qualifications and usefulness of chemists through high standards of professional ethics, education, and attainments;
- (4) the increase and diffusion of chemical knowledge; and
- (5) by its meetings, professional contacts, reports, papers, discussions, and publications, to promote scientific interests and inquiry;

#### THEREBY

- (1) fostering public welfare and education,
- (2) aiding the development of our country's industries, and
- (3) adding to the material prosperity and happiness of our people

**EVERY MEMBER GET A MEMBER**



# THE APPLICATION

*Always keep in mind one important fact—the ACS Admissions Committee usually knows about an applicant only what is recorded on the application form. Even if some member of the Committee is acquainted with the person who wishes to join the Society, it is essential to have on file complete information because of questions which may arise later after there have been changes in Committee personnel. Admission to membership must be based wholly on recorded information.*



*Procedure for handling membership blanks for new members.*

1. After it is properly filled out, mail it with remittance to one of the following.

*C. E. HIGER, Chairman Membership Committee  
Everett Junior College, Everett, Washington*

*or*

*JAMES C. DRURY, Secretary A. C. S.  
Route 1, Clinton, Washington*

2. If more blanks are needed contact the above or

*C. V. SMITH, care Northwest Laboratories, Seattle, 4, Wash.  
MAin 0680*



## IMPORTANT

Membership runs from January 1st to January 1st. After October 1st all new members may request that membership start on January 1st of the following year.

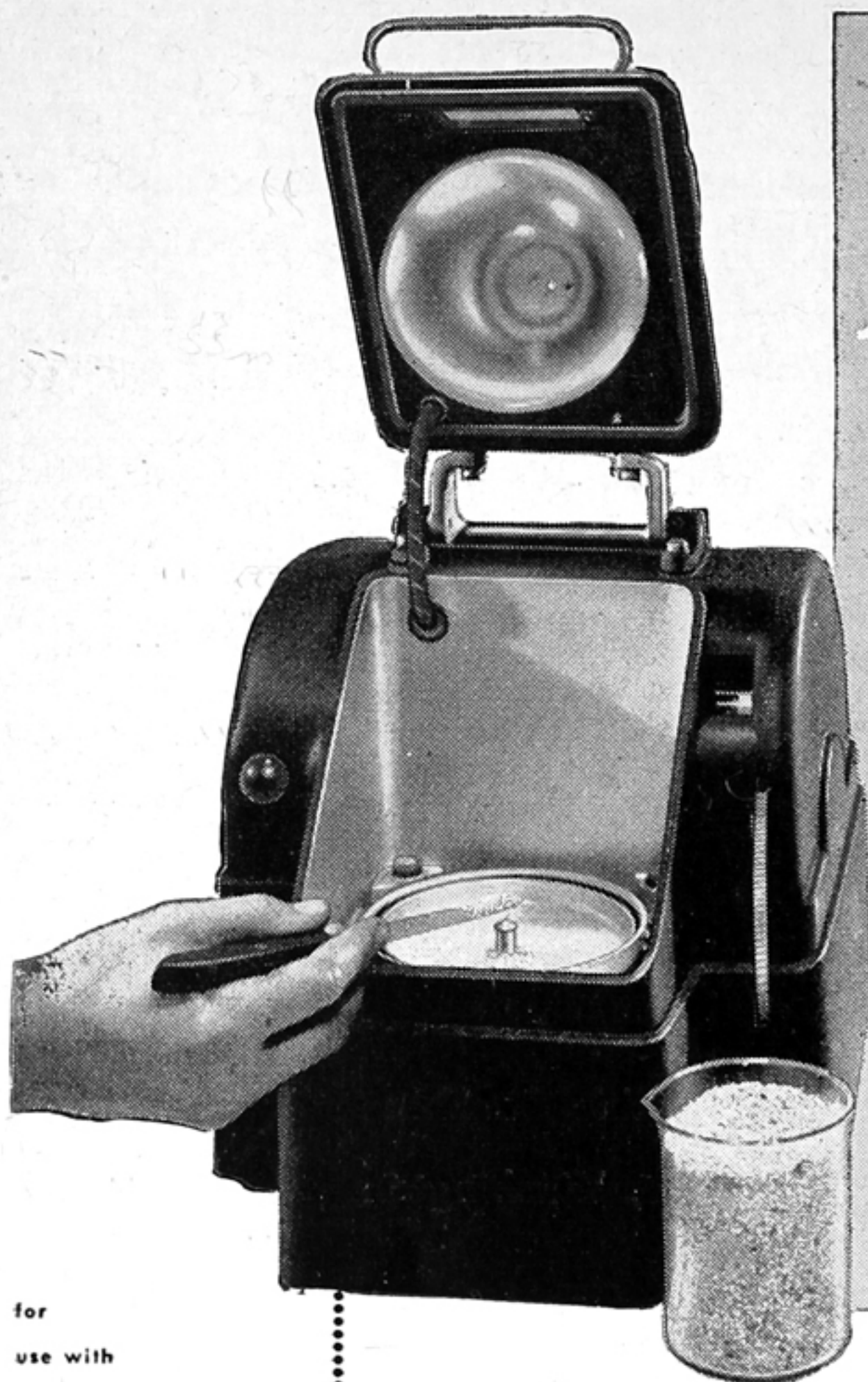
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Measures either solid  
or liquid samples.

Here is an entirely new CENCO development which measures moisture content by weighing and drying *simultaneously*. It utilizes an improved principle of operation in drying the sample by infrared radiation and weighing by a sensitive null-point torsion balance. As a result, extremely rapid, accurate and reproducible moisture determinations are easily made.

The CENCO Moisture Balance has been used successfully for determining moisture content in a wide variety of materials. New developments now make it possible to measure liquids as well as solid samples. Disposable pans are also available at low cost for use with greasy, oily, tacky, and adhesive materials eliminating the need for cleaning.

Operation is quite simple. The scale is calibrated directly in per cent moisture from 0 to 100% in .2% divisions. Final reading indicates the percentage of moisture content.

Write for Bulletin No. 1210B.

No. 26675 Cenco Moisture Balance, \$200.00      No. 26678 disposable  
pans for solids or liquids, Pkg. of 25, \$2.00. 4 pkgs. of 25, \$7.20

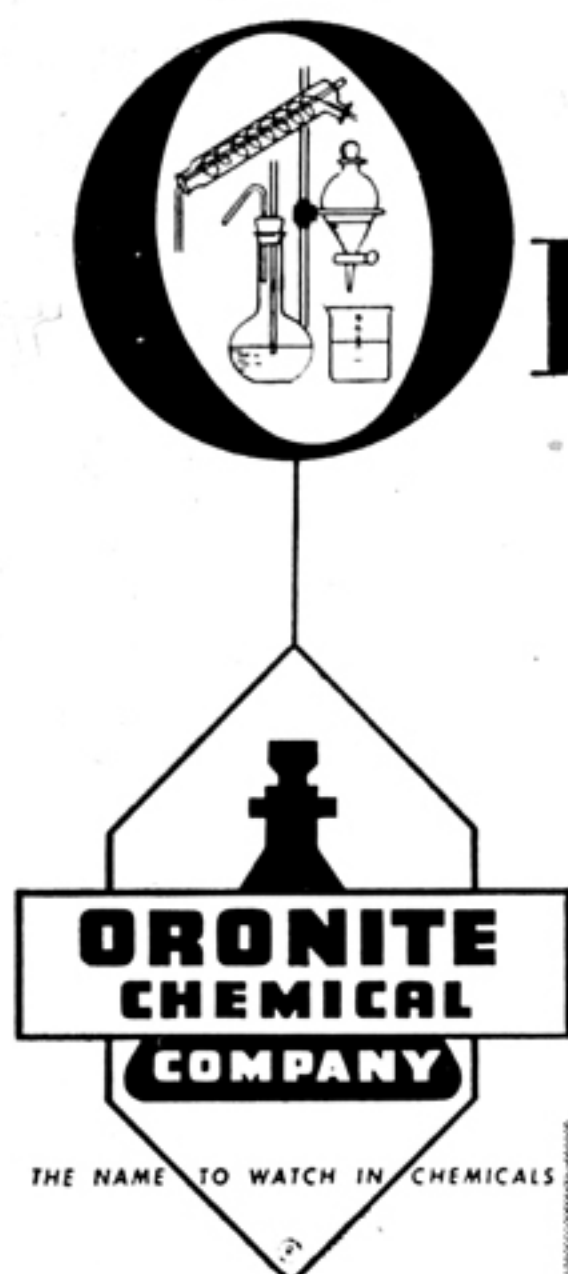


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### MORE ACTIVITIES OF A. C. S.

(Continued from Page 6)

25. Provision of a forum for discussion of problems in chemical education.
26. Constant watchfulness by an active standing committee for ways in which to aid in improving training.
27. Local sponsorship of extension courses and lecture series.
28. Education of employers to the value of continuing opportunities for education of employees.
29. Administration of one fellowship program and participation in others through representation on committees.
30. Building student interest in the profession through chapters of student affiliates, special student meetings, and awards at both high school and college levels.
31. Sponsorship of Junior Achievement Award in Chemistry.
32. Local section and division aid to libraries.

All publishing activities, 1-13, and meetings, 33-35.

#### Meetings

33. Creation of technical divisions to serve those with like scientific interests.
34. Organization of national, regional, divisional, cooperative, and other major meetings for professional contacts and exchange of ideas.
35. Chartering and financing local sections which devote a significant proportion of their funds to local meetings in centers of chemical population.

#### Research

36. Encouragement and facilitation of research through publications and meetings.



37. Advisor to Trustee of Frasch Foundation in selection and administration of projects (\$50,000 annually).
38. Administrator of Petroleum Research Fund.

#### **Jointly Scientific and Professional**

Items 33-35, 39-41, 50-52, 54-60.

#### **Professional**

39. Selling the chemist and his work to the public through efficient press contacts, by numerous radio and television programs, and by aid to writers and commentators.
40. Lectures for lay audiences as a supplement to the foregoing.
41. The development and display of exhibits showing what chemists have accomplished.
42. Improvement of professional and economic status of chemists and chemical engineers through surveys, publicity, and the constant watchfulness of a standing committee.
43. Efforts to improve employer-employee relations.
44. Extension of opportunities for chemists and chemical engineers through creation of new jobs.
45. Maintenance of employment aids of several kinds.
46. Campaigning for effective and proper use of chemical man-power.
47. Studies of supply and demand for chemists.
48. Implementation through law and legal interpretation of law, of the principle that technical employees should be a separate unit for collective bargaining.
49. Protection against legal encroachments of the right of chemists to practice their profession; for example, in the clinical chemistry field to make personal and scientific qualifications the sole criteria.

#### **General**

50. Distribution of timely chemical news through C&EN.
51. Maintenance of contacts with all branches of Government for the purpose of acting promptly on all new developments affecting our field.
52. Advisory services to Government such as is maintained by the Committee Advisory to the Chemical Corps or our consultant to the Federal Civil Defense Administration, all appointed at Government request.
53. Discharge of special assignments from the Government such as the building of the chemistry and chemical engineering part of the National Scientific Register or the development for the NSRB of our ideas of a proper policy for utilization of manpower.
54. Maintenance of good international relations in the field of science implemented in many ways such as the ACS-UNESCO fellowships, the bimonthly report on chemistry developments in the U. S. distributed by the Department of State, sponsorship of Younger Chemists International Project, and aid to the International Broadcasting Division of the State Department.
55. Aid to foreign libraries through collection and distribution of old books and journals.
56. Participation in State Department conferences on rehabilitation and on Point Four.
57. Support of legislation of benefit to the profession and opposition to detrimental proposals.
58. Constructive efforts to improve patent policy.
59. Close cooperation with older scientific bodies on matters of mutual interest.
60. Recognition of accomplishments through administration of eleven awards.





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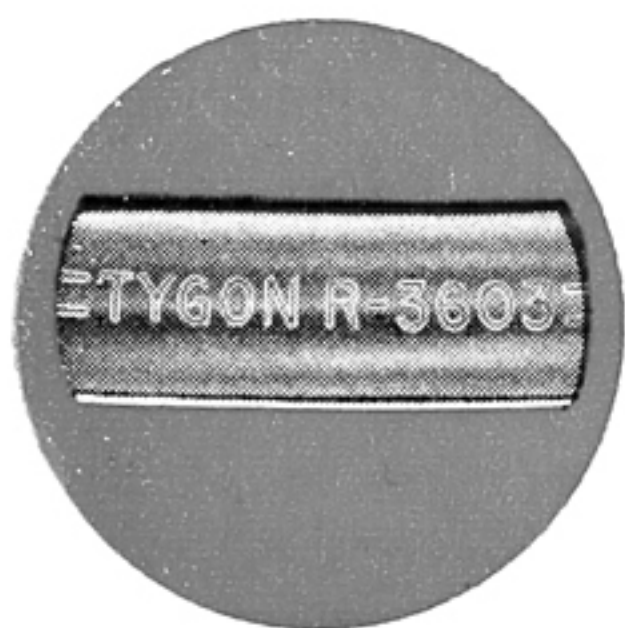
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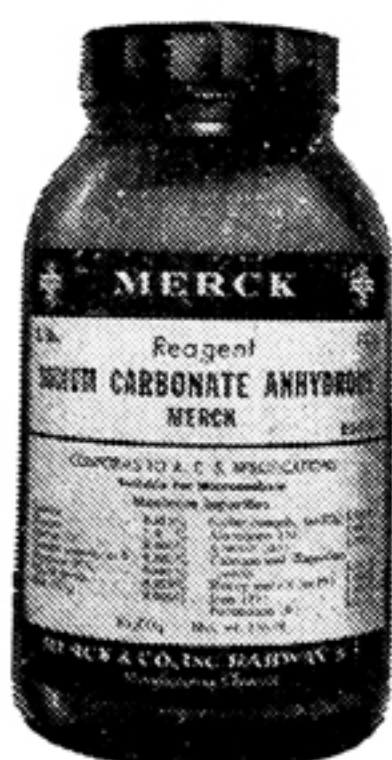
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**PUGET SOUND CHEMIST**



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