

# Puget Sound Chemist

Vol. I, No. 2

Bagley Hall, University of Washington, Seattle

November, 1939

## EDITORIALLY

This column in violet-like fashion now shrinks to an appropriate size. No. 2, with a distinct detection of moisture still present behind the ears, is making no apologies for its continued existence. The ears, by the way, are alertly open for suggestions, criticisms, and news items and the eyes for new speakers or program material. The objectives outlined in No. 1 are unchanged.

## FAILURE

The executive was frankly disappointed at the role played by the Puget Sound Chemist as a stimulus to attendance at meetings. On the basis of last years' many fine dinner meetings our over-optimistic secretary bargained for 30 plates for the October gathering. Twenty-one good souls sat down to an excellent dinner; 12 of the 21 were from U. of W., 2 from Tacoma. We wish vacant places had been filled since they are to be paid for by the Section and/or the p.-o. secretary. In the future we shall be more cautious but hope even to throw caution to the winds if attendance and enthusiasm warrants it.

On the basis of the above and the geographical distribution of Section members given below the following questions come up: Do you wish dinners at any meetings? About what price? Do you wish speakers, movies, music, wives (our own presumably) or what? The executive would greatly appreciate a reply to the questionnaire at the end of page 2 as an aid to a considerable task in connection with each meeting. Hence there is a triple stimulus for a two or a three cent stamp: the questionnaire, the ballot, dinner reservations.

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Do you know that,--the Puget Sound Section is the third largest west of the Rockies with 143 members. That there are 86 in Seattle, 14 in Tacoma, 5 in Everett and Bellingham districts, 16 on the Olympic peninsula including Shelton and Gray's Harbor, 12 in Yakima & Wenatchee and 12 in British Columbia.

## MEETINGS

NOVEMBER -- on Wednesday, 29

Place -- Bagley Hall, University of Washington.

Speaker -- Dr. Gustav Egloff, Director of Research, Universal Oil Products Co. Chicago.

Subject -- "Motor Fuels of Today and Tomorrow."

Time -- Dinner 6:30 p.m. - 75 cents.

Reservations by Tuesday noon, please. Dr. Egloff will speak in the auditorium at 8:00 p.m.

Auspices -- Dr. Egloff comes to us through the kindness of his company who pay all expenses. The meeting is held jointly with the Amer. Inst. of Mining and Metallurgical Engineers. From Time magazine July 17, 1939 we have "Dr. Egloff, ace researcher of the Universal Oil Products Co., last week revealed that he had devised a new way to make synthetic rubber from butane." We are most fortunate to have Dr. Egloff favor us with one of his five stops in the West.

DECEMBER -- At the October meeting an invitation was read from the Oregon Section to join it and the Wash.-Idaho Border Section in the dedication of the new laboratory at Oregon State College on Dec. 2. This Section voted to cooperate and Dr. H. V. Tartar will present one of three papers at the meeting. All Puget Sound members are welcome to attend. Those so planning can arrange for transportation through the Secretary.

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## CHRISTMAS

is coming, which reminds us of new members. Many new members join in this region each year. If you are sponsoring a new member you can be of great assistance to the Section. Applications sent through the secretary net the Section \$2.50 each in rebate money. This money is the exclusive property of the Section.

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What's new in your lab? We would like to visit you there; instead could you tell us.

The Puget Sound Chemist staff is quite dispassionate in ordinary matters; at least they have no particular passion for anonymity. Nos. 1 and 2 have been thrown together by the secretary and Bradford P. Geyer, Associate in the Chemistry Department, who rates the first by-line.

OCTOBER MEETING - by Bradford P. Geyer

The subject of last month's meeting held on the evening of October 18th was most interesting and fascinating. A micro-movie depicting the formation and destruction of paint films was presented.

This film was a microphotographic study of the processes occurring in surface coating materials. In taking pictures of surfaces ordinary light gives no deep insight into the action and behavior of the molecules. Polarized light, instead, must be used to pry into the secrets of the molecular world.

Five topics were covered in the movie:

1. An illustration of the molecular conditions of surface coating materials, showing the crystalline and colloidal state of film-forming substances.
2. The surface irregularities during film formation, depicting in detail surface peculiarities or orange peel, floating and wrinkling.
3. The course of pigment reactions within surface coatings, illustrating especially the formation of crystals of lead and zinc soaps in paint layers.
4. Rust production and corrosion phenomena, demonstrating how the supporting surface onto which coatings are applied is attacked.
5. The mechanical details of film breakdown, making plainly visible elastic forces and vulnerable spots functioning as the cause of destruction of a surface coating after aging.

In its entirety the motion picture, which was replete with literally breath-taking shots, provided an instructive insight into many of the internal occurrences taking place during the formation and destruction of a paint film.

It might be added, also, that, in the absence of any speaker for the evening, our Secretary, "Vic" Sivertz, performed most capably in the role of narrator to provide an accompanying explanation of the pictures during the showing of the movie. Needless to say, "Vic" was not "in the dark".

November ends the fiscal and business year of P.S.S. The nominating committee appointed at the last meeting presents the slate offered in the ballot following.

PLEASE SIGN THE OUTSIDE OF THE ENVELOPE CONTAINING THIS BALLOT.

CHAIRMAN, R. S. Roe \_\_\_\_\_ or \_\_\_\_\_  
Vice-CHAIRMAN, G.H. Cady \_\_\_\_\_ or \_\_\_\_\_  
SECRETARY-TREASURER, V. Sivertz \_\_\_\_\_ or \_\_\_\_\_  
COUNCILORS (Vote for two) W. R. Gailey \_\_\_\_\_ or \_\_\_\_\_  
T.G. Thompson \_\_\_\_\_ or \_\_\_\_\_

	Yes	No	I am willing to pay about		
I favor dinners with meetings	<u>      </u>	<u>      </u>	<u>60¢</u>	<u>75¢</u>	<u>85¢</u>
			Cost to Section		
I favor entertainment at dinners	<u>      </u>	<u>      </u>	<u>\$1</u>	<u>\$5</u>	<u>\$10</u>
I might attend about <u>      </u> dinners out of 6 during the year.					
My wife likes to come if other wives are present			Yes <u>      </u>	No <u>      </u>	
My wife and I would like and support at least one special meeting a year especially for ladies. Yes <u>      </u> No <u>      </u> . Cost (as above) <u>                    </u>					

NON-MEMBERS WHO RECEIVE PUGET SOUND CHEMIST PLEASE FILL IN ALSO.