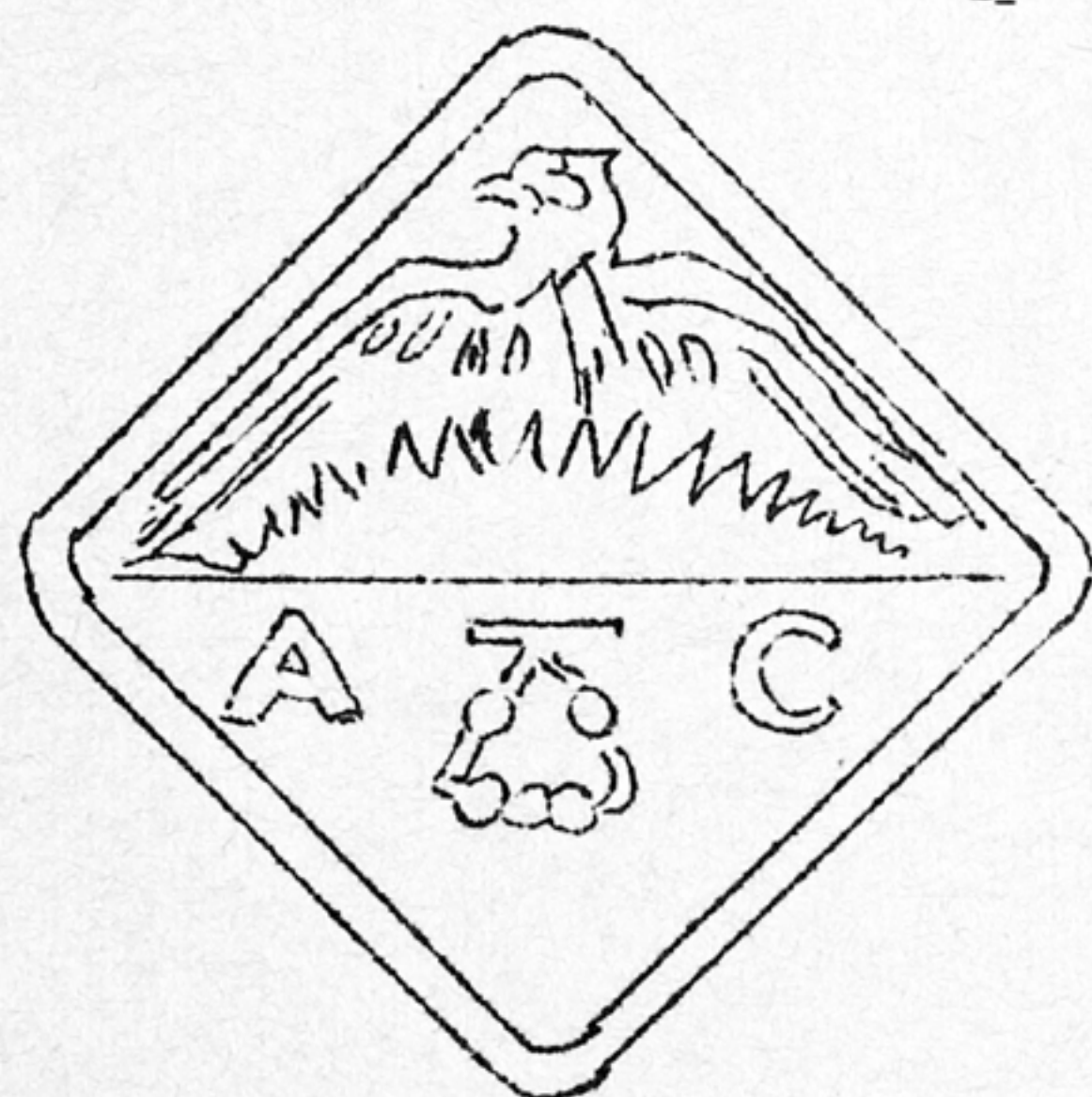


THE • PUGET • SOUND • CHEMIST

BULLETIN OF THE PUGET SOUND SECTION
OF THE AMERICAN CHEMICAL SOCIETY



THE PUGET SOUND CHEMIST

Published 13 times a year by the Puget Sound Section,
The American Chemical Society

Editor: F. R. Armbruster, Textile Tower, Seattle MA. 3750
Associate Editor: Otto Orth, 2919 - 1st Ave., S., Seattle
MA. 4090

Vol. VII

February, 1946

No. 6

DIRECTORY - PUGET SOUND SECTION

Chairman

T. S. Hodgins
Reichhold Chemicals, Inc.
761 Dexter-Horton Bldg.
Seattle 4.

Secretary-Treasurer

Joseph L. McCarthy
Dept. of Chem. Engr.
University of Washington
Seattle 5.

Program Committee

Ronald Benson

Chairman

Publicity Committee

R. B. Black

Chairman

Membership Committee

R. C. Scott

Chairman

Adhesive Products Co.
3400 - 13th Ave., S.W.
Seattle 4.

Finance Committee

A. J. Norton

Library Committee

O. P. Peniston
Chairman

Vice Chairman

Herbert R. Erickson
Tower Co., Inc.
1008 Western Ave.
Seattle 4.

Councilors

Victorian Sivertz
Walter R. Galey
George H. Cady

Social Committee

Don Redfern

Chairman

Movie Committee

John Stephan

Chairman

Reception Committee

Tom Baxter

Chairman

Professional Status and Legislation

Dave M. Ritter

Employment Committee

Dr. John Meiler

Chairman

Representatives to the
Puget Sound Council of
Engr. & Tech. Societies:

W. R. Moffitt

R. P. Erwin

FEBRUARY MEETING

☆

Puget Sound Section of The American Chemical Society

Tuesday, February 19, 1946

6:30 P. M. Dinner

CHALET

15th Ave., N.E. and E. 42nd St.

8:00 P.M. Address

BAGLEY HALL - ROOM 140

Speaker: Dr. Harry P. Evans, Metallurgist
Boeing Aircraft Company

Subject: The Proper Selection of Cast Alloys

9:00 P.M. Movie --

Title: Aluminum Fabricating Processes
Aluminum Company of America

20 Minutes, 16 mm Sound, Black and White

Reservations

Phone your reservations for dinner to:

Don Redfern - MA. 3536

or

Mrs. Curtis - ME. 0630, Local 439

Not later than 5:00 P.M., Monday, February 18

February Speaker



Dr. Harry P. Evans, who will speak to us next Tuesday evening on the subject, "The Proper Selection of Cast Alloys", is a native of Kansas. Dr. Evans received his B.S.C. and M.S.C. degrees from the University of Kansas and his Ph.D. in Physical Metallurgy from Iowa State College at Ames, Iowa.

Prior to coming to the Puget Sound country in 1939, Dr. Evans served as Chief Metallurgist for a number of industrial concerns in the Chicago area, among them, Continental Roll and Steel Foundry Company, Calumet Steel Company, and Ingersoll Steel and Disc Co.

In 1941 Dr. Evans joined the Boeing organization as Metallurgist where his work has contributed much to the quality of cast metals in the many parts of the B-17 and B-29.

Dr. Evans is a member of the American Foundryman's Association, and the American Society for Metals, and he has on several occasions spoken to these associations on various phases of metallurgy.

In his address next Tuesday evening, Dr. Evans will discuss the more important factors involved in an intelligent choice of cast materials for specific applications. His talk will be illustrated to some extent with slides. The various strength factors will be covered, such as tensile, compression, the importance of modulus of elasticity in beam loading; fatigue strength, impact resistance, and notch sensitivity in dynamic loading.

Dr. Evans will show the importance of the correct choice of alloy for heat resistance, corrosion resistance and corrosion fatigue, machinability, procurability, and cost as applied to various metal-casting alloys.

February Movie

Aluminum Fabricating Processes
Aluminum Company of America

20 minutes; 16 mm. Sound; black and white

X

Here you will see aluminum cast into ingot, rolled into bar and rod, drawn into wire and stranded into cable. The manufacture of sheet, plate and foil is shown on a trip through a large blooming and structural mill. The processes for casting aluminum in sand, die and permanent molds are shown, as is also the method employed in the manufacture of a forged aluminum propellor blade.

In addition, you will see many methods of working, shaping and assembling the basic fabricated products, such as stamping, blanking drawing, spinning, hand hammering, machining, riveting, and welding.

John Stephan, I. F. Laucks, Inc., Maritime Building, Seattle, who is in charge of movie arrangements, would appreciate comments from members relative to their feelings on the subject of movies at meetings. Policy is in the formative stage - present attempt is to have movies related to speaker's subject.

★ ★ ★

★ ★

★

Applied Chemistry and Research in the Northwest

{x}

Abstract of an address by Dean G. W. Gleeson, School of Engineering, Oregon State College, Corvallis, Oregon, before the Puget Sound Section of The American Chemical Society, January meeting:

The prospects for development of chemical and other industry in the Pacific Northwest has frequently been regarded favorably in the last few years, but in the present post-war days it may be well to re-examine our position.

The real fact is that this region is in need of most raw materials essential for extensive chemical development. It is true that we have air and sea water, but so has nearly everyone else. While we have somewhat doubtful supplies of coal and limestone, we have no petroleum, salt, sulfur. Cheap electric power, forests, and fish are our really valuable raw materials. Will these sustain much further industrial development? Not unless full advantage is taken of the capable scientists and engineers educated in our Pacific Northwest universities and colleges, who now go East or South.

Sound industrial development in this region must be based upon local venture capital supplemented by good research and development by our scientists and engineers and utilizing raw materials which the region can offer competitively over other parts of the country. Real backing must be given to local research and development institutions. Coastwise and Oriental trade must be fostered from Pacific Northwest ports.

FUTURE MEETINGS

÷

MARCH MEETING

March 19

Harry Kline

Manager and Technical Director
Phenolic Plastic Department
Reichhold Chemicals, Inc.
Detroit, Michigan

will address the Section on,
"The Development of Laminates".

⊠

APRIL MEETING

April 16

Dr. Albert L. Elder

Director of Research, Corn Products Re-
fining Company, Head Chemical Advis-
or to the War Production Board,
Coordinator of the Pencilin Program

will address the Section on:

"Chemicals from Agricultural
Products".



DR V SIVERTZ
COLLEGE OF PHARMACY U OF W
SEATTLE 5 WASH