

MAY 1966



AMERICAN Ceramic SOCIETY Bulletin

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Offices

Executive, editorial, and advertising: 4055 North
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German-English Glass Glossary

"Glass Terminology: A German-English Glossary" is now offered in a second edition, revised and enlarged from the one published in 1963. This is not a complete listing of technical terminology for the glass industry, the compiler states, but rather is intended to offer German terms, particularly the less familiar abbreviations, with their English equivalents. A bibliography of references and several illustrations from the Corning Museum of Glass appear in the back of the volume.

The 120-page pocket size book is produced by photo offset from type-written copy and is cloth bound. Compiler and publisher of the glossary is Benedict Kolthoff, Box 54, Bussum, Holland. In the United States the book is being handled by The Language Service, 141 East 44th St., New York, N. Y.

France Building Large Solar Furnace

A larger solar furnace is being constructed by the French government through its Centre National de Recherche Scientifique, reports the United States Office of Naval Research. It is to be a few kilometers away from the present laboratories, in an old stone town near Mont Louis in the heart of the Pyrenees, a site selected because of the unusually clear weather.

The laboratory staff of 160, including 40 scientists and engineers, is headed by Prof. F. Trombe, a leader in the application of solar heat to research. Y. Tyree describes the operation as: "The techniques have been worked out using the solar furnaces to redetermine melting points and phase diagrams of high-melting materials of several kinds, e.g., refractory metal oxides such as Al_2O_3 , and also metals themselves, as well as the individual rare earths. In addition, applications of high temperatures to problems of chemical synthesis and purification are being investigated. The vacuum melting of rare earth metals results in much higher purity. The pyrolysis of CH_4 to produce graphite crystals has become fairly routine."

He describes the new structure as: "The north wall of the building will be the parabolic reflector surface. Some vertically mounted solar furnaces will be placed in the south face of the building."

The conference center it will offer will have a south-facing view from one of the floors. On the upward slope, at the rear of the building, a number of small cottages to be heated by solar energy will be built."

The location of the new facility is expected to be late this year.

No. 5 (1966)



Canadian Ceramic Society Holds 64th Annual Meeting

The Canadian Ceramic Society held its 64th Annual Convention at the Sheraton Brock Hotel in Niagara Falls, Ont., February 13 to 16. Canadian and United States ceramists met to attend the ten technical sessions presented and to join in the scheduled activities of the meeting.

Some 46 technical papers, including films, were presented before five divisions of the Canadian Society. Divisional interests include pottery and whitewares, glass, clay and refractories, porcelain enamel, and electronics.

On the lighter side, the meeting program featured two receptions, two luncheons, a suppliers' mixer, and a buffet supper. A full program was provided for the visiting wives.

R. F. McAllister received the presidential gavel from outgoing president George R. Boyd at the Niagara Falls meeting. As general sales manager for Ferro Enamels (Canada) Ltd., Mr. Mc-

Canadian Ceramic Society officers. Seated left to right, C. M. Woodruff, president elect; W. K. Zinszer, vice president; Mrs. Lloyd Spalding, secretary-treasurer; R. F. McAllister, president; G. R. Boyd, immediate past president. Standing, D. A. Payne, chairman, Electronics Division; James Rae, chairman, Porcelain Enamel Division; Ed Dingler, program chairman; J. Storer-Folt, secretary, Clay & Refractories Division; J. J. Mather, auditor; G. Dundas, secretary, Glass Division; and R. F. Arnfield, chairman, Glass Division.

Allister is in charge of all sales for the company's enamel, pottery, plastics, and stabilizer departments. He has been with Ferro Enamels since 1945.

Representing the American Ceramic Society were 1965-1966 President Howard P. Bonebrake and F. P. Reid, general secretary. Many of the authors and newly inducted CCS officers at the meeting hold American Ceramic Society membership.

United Sierra Office Established in Dallas

United Sierra Division, Cyprus Mines Corp., has announced the establishment of a new branch office in Dallas at 7900 Carpenter Freeway. This location will supplant the Houston office and is staffed by Jack O. Whitley, branch manager; John A. Frambach, sales engineer, formerly of the Houston office; and Clifford T. Lyons, sales engineer, who has been the Dallas representative.

Another move is the closing of the United Sierra branch office in Newark, N. J. All business will be conducted from the Trenton headquarters of the Division. The warehouse location in Jersey City, however, will not be changed.

H-W Fused Silica Brick

Harbison-Walker Refractories Co. has announced the availability of new brick and castable refractories based on high purity, fused silica produced by new methods. Until these developments, the high cost of electrical fusion had prevented full utilization of fused silica, which is noted for its high resistance to thermal shock and its low chemical reactivity.

Two products in the new line are now available in quantities: H-W 12-65 fused silica brick, which are 99% pure SiO_2 , with more than 90% in the low expansion vitreous form; and H-W 13-65 fused silica castable, a blended mixture of fused silica aggregate with a high-purity hydraulic binder.

The American Ceramic Society BULLETIN

A monthly publication devoted to the proceedings of The Society, discussions of plant, technical, scientific, art, and cooperative research problems.

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Contributing Editors: Officers of Industrial Divisions and Sections

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