SCIENCE

Vol. LXII SEPTEMBER 25, 1925 No. 1604

CONTENTS

The Marine Biological Laboratory Dedication Exercises, July 3, 1925: THE HONORABLE CHARLES R. CRANE, PROFESSOR FRANK R. LILLIE, PROFESSOR EDMUND B. WILSON, PROFESSOR EDWIN G. CONKLIN 271

Scientific Events:

The Wild Life Reservation on the Mississippi River; New Plan of Study for Honors Students at the Massachusetts Institute of Technology; The New York Inter-Sectional Meeting of the American Chemical Society; The Scopes Scholarship Fund...... 280 Scientific Notes and News 282Discussion and Correspondence: When does Winter come? DR. WALTER P. WHITE. Elementary text-books of Physics: NOEL C. LITTLE. Honey Bees and Perforated Flowers: PROFESSOR CHARLES ROBERTSON. A Note on a Rot of the Smyrna Fig in California: NELLIE A. BROWN 286 Scientific Books: Kiær on the Downtonian Fauna of Norway: G. G. SIMPSON Scientific Apparatus and Laboratory Methods: Reaction of Opalinas to Various Laboratory Media: MARY E. LARSON, MAMIE HOPE VAN EPPS and STANLEY T. BROOKS _____ 289 Special Articles: Surface Tension determined by the Ring Method: F. H. MACDOUGALL. Sex Differences in Emotional Outlets: Dr. D. A. LAIRD, THOMAS MCCLUMPHA..... 290 Science News x

SCIENCE: A Weekly Journal devoted to the Advancement of Science, edited by J. McKeen Cattell and published every Friday by

THE SCIENCE PRESS

Lancaster, Pa. Garrison, N. Y. New York City: Grand Central Terminal.

Annual Subscription, \$6.00. Single Copies, 15 Cts.

SCIENCE is the official organ of the American Association for the Advancement of Science. Information regarding membership in the association may be secured from the office of the permanent secretary, in the Smithsonian Institution Building, Washington, D. C.

Entered as second-class matter July 18, 1923, at the Post Office at Lancaster, Pa., under the Act of March 8, 1879.

MARINE BIOLOGICAL LABORATORY DEDICATION EXERCISES,

JULY 3, 1925

THE new building and endowment of the Marine Biological Laboratory were formally dedicated to the service of science on Friday, July 3, at 2 P. M. in the presence of a representative gathering of biologists and guests. More than one hundred institutions of higher learning in America appointed official delegates, and others were represented unofficially by workers in Woods Hole. Cabled or written greetings were received from marine laboratories in England, Norway, Sweden, Denmark, France and Italy. The occasion is of interest to the scientific public, and more especially to biologists, because the laboratory by its organization and use is the possession of the biologists of America. It is attached to no one institution or section of the country but seeks to serve all.

The Honorable Charles R. Crane, president of the board of trustees of the laboratory, was the presiding officer. In his opening remarks he alluded to the spirit of the laboratory which he characterized as its most unique possession and of priceless worth. Mr. Crane continued:

Even though not personally associated with the vital processes of the laboratory it has been the greatest possible privilege to play the part of a simple spectator in watching the growth of the wonderful spirit of cooperation in the work of biological research.

Some years ago the then business manager of the Rockefeller Institute for Medical Research invited me to spend the evening with him and try to help him understand the nature and conditions of the spirit of the Marine Biological Laboratory. "For," said he, "we all recognize that the spirit is there. It is the rarest thing that we know of, and we have many discussions as to its nature and the conditions under which it has come forth." He then asked me if I had any theory about it. I answered that the essential thing, as it seemed to me, was that it was the purest expression of the highest form of democracy—a form of Soviet directed by the highest rather than the lowest motives.

Many years ago I was associated with a Society for Psychical Research. I followed its processes with a great deal of interest, and although its work was not of so exact and definite a nature as the work of the laboratory here, there seemed to be certain conclusions arrived at regarding the haunts and habits of spirits. One definite conclusion was that spirits feel most at home and make larger demonstrations of their presence in old buildings and among old friends. They are very con-



Chemical, Medical and allied subjects. Complete files, volumes and copies, bought and sold. Kindly send us a list of your wants and items of which you may wish to dispose.

B. LOGIN & SON

29 East 21st Street

New York, N. Y.

A New Catalog of

Biological Equipment

The ninth edition of our general catalog, just off the press, is devoted to:

> Microscopic Slides Lantern Slides Wall Charts Models Microscopes Museum Exhibits Preserved Specimens Dissecting Equipment General Apparatus

Send, now, for your copy of Catalog No. 91–S

Cambridge Botanical Supply Co., Waverley, Mass., U. S. A.







FREAS OVEN No. 100

WHY DO SCIENTISTS USE FREAS OVENS?

The Freas Constant Temperature Electric Ovens, Incubators and Water Baths are found in all leading government and scientific institutions because scientists the world over realize that Freas Equipment has stood the test of time.

For over fifteen years Freas Ovens have been in service and are still giving today that same degree of satisfaction that they gave the first day they were placed in use.

Write for our bulletins.

THE THERMO ELECTRIC INSTRUMENT CO.

14 JOHNSON STREET,

NEWARK, N. J.



OVENS AND INCUBATORS