

Science

AAAS EDITORIAL BOARD

(Terms expire July 31, 1949)

Arthur Bevan Bentley Glass Malcolm Soule
Edward Condon Everett Wallis
George Baitsell, *Editor-in-Chief*
Mildred Atwood Rustigan
Executive Editor of Science

Advertising Representative, F. A. Moulton

Vol. 108 No. 2815 Friday, December 10, 1948

CONTENTS

Special Articles

- The Circulation of the Upper Troposphere and Lower Stratosphere:
C. G. Rossby and H. C. Willett 643

Technical Papers

- Some Experiments on the Freezing of Water:
Robert Smith-Johannsen 652
- Internal Suberization of Plant Tissues:
Flora Murray Scott 654
- Effect of Coconut Milk on the Growth of Explants From Carrot Root:
S. M. Caplin and F. C. Steward 655
- An Effective Depilatory Formula for Use on Laboratory Animals:
Isadore Pitesky and Jules H. Last 657
- The Effect of Hypertensin on the Inactivation of Oxytocin by the Serum of Pregnant Women:
H. Croxatto, R. Croxatto, and M. Reyes 658

- The Effect of Browning on the Essential Amino Acid Content of Soy Globulin:
A. R. Patton, E. G. Hill, and E. M. Foreman 659

- Dyes as Microchemical Indicators of a New Immunity Phenomenon Affecting a Protozoon Parasite (*Toxoplasma*):
Albert B. Sabin and Harry A. Feldman 660

Comments and Communications

- Auxin and Flower Initiation; A Note on the Fungicidal Property of Actidione; Propagation of *Metasquoia* by Juvenile Cuttings; Science and Social Problems; The Effects of Allyl Isothiocyanate Compared With Ultraviolet Radiation; The Earliest Record (*ca.* 195 A.D.) of Fishing With the Hand 664

Obituary

- Sumner Cushing Brooks: *L. V. Heilbrunn* 667

- News and Notes 668

Science, a weekly journal, is published each Friday by the American Association for the Advancement of Science at The Business Press, Incorporated, N. Queen St. and McGovern Ave., Lancaster, Pa. Founded in 1880, it has been since 1900 the official publication of the AAAS. Editorial and Advertising Offices, 1515 Massachusetts Avenue, N.W., Washington 5, D. C. Telephone, EXecutive 6060 or 6061. Cable address, SCIMAG, Washington, D. C. Entered as second-class matter at the Post Office at Lancaster, Pa., January 13, 1948, under the Act of March 3, 1879. Acceptance for mailing at the special rate postage provided for in the Act of February 28, 1925, embodied in paragraph 4, Sec. 538, P. L. and R., authorized January 13, 1948.

Articles offered for publication should be sent to the Editor. The AAAS assumes no responsibility for the opinions expressed by contributors. Membership correspondence for the AAAS should be sent to the Administrative Secretary.

Annual subscription, \$7.50; single copies, \$.25; foreign postage (outside the Pan-American Union), \$1.00 extra;

Canadian postage, \$.50 extra. Remittances and orders for subscription and single copies should be sent to the Circulation Department, AAAS, North Queen Street and McGovern Avenue, Lancaster, Pennsylvania, and 1515 Massachusetts Avenue, N.W., Washington 5, D. C. Claims for missing numbers will not be allowed if received more than 60 days from date of issue. No claims allowed from subscribers in Central Europe, Asia, or the Pacific Islands other than Hawaii or because of failure to notify the Circulation Department of a change of address or because copy is missing from the files.

Change of address. Four weeks notice is required for change of address. This should be sent to *Science*, 1515 Massachusetts Avenue, N.W., Washington 5, D. C. When ordering a change, please furnish an address stencil label from a recent issue. Address changes can be made only if the old as well as the new address is supplied.

The American Association for the Advancement of Science also publishes *The Scientific Monthly*. Subscription rates on request.