

Science

Mildred Atwood
Acting Editor

Theo. J. Christensen
Business Manager

Publications Committee
Farrington Daniels, John E. Flynn, Kirtley F.
Mather, Walter E. Miles, Malcolm H. Soule,
Steven M. Spencer

Vol. 107 No. 2779 Friday, April 2, 1948

CONTENTS

Low Temperature and Some of Its Effects upon the Behavior of Matter: <i>S. C. Collins</i>	327
Loyalty Clearance Procedures in Research Laboratories: <i>Committee on Secrecy and Clearance, Federation of American Scientists</i>	333
Obituary Clark Wissler: <i>David G. Mandelbaum</i>	338
News and Notes.....	339
Comments and Communications.....	344

Technical Papers

Effect of Cooking on the DDT Content of Beef: <i>R. H. Carter, et al.</i>	347
Experiments on Bird Navigation: <i>Donald R. Griffin and Raymond J. Hock</i>	347
A Mechanism of Concussion: A Theory: <i>James W. Ward, L. H. Montgomery, and Sam L. Clark</i>	349

In the Laboratory

Methods for Labeling Thyroxine With Radioactive Iodine: <i>Earl Frieden, Mortimer B. Lipsett, and Richard J. Winzler</i>	353
A Convenient Plant Pollinating Kit: <i>C. A. Schroeder</i>	354

(Cover photo by John F. Brock.)

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 subscriptions 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.

Science

107 (2779)

Science **107** (2779), 327-354.

ARTICLE TOOLS

<http://science.sciencemag.org/content/107/2779>

PERMISSIONS

<http://www.sciencemag.org/help/reprints-and-permissions>

Use of this article is subject to the [Terms of Service](#)

Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. The title *Science* is a registered trademark of AAAS.

Copyright © 1948 The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works.