

Mildred Atwood Theo. J. Christensen
Acting Editor *Business Manager*

Publications Committee

Roger Adams, John E. Flynn, Kirtley F. Mather,
Walter R. Miles, W. J. Robbins, Malcolm H. Soule

Science

Vol. 106 No. 2755 Friday October 17, 1947

CONTENTS

The Polysulfides in Levinstein Process
Mustard Gas: *R. Macy, et al.* 355

Starring in *American Men of Science*:
Stephen S. Visher 359

News and Notes 361

Comments by Readers 367

Technical Papers

Effect of Rutin on Anaphylactic and Histamine Shock:
R. J. Raiman, E. R. Later, and H. Necheles 368

Ammonia Nitrogen Produced From Isomeric Peptides
in Kidney Homogenate Digests: *Jose M. Goncalves,*
Vincent E. Price, and Jesse P. Greenstein 369

Use of Insoluble Penicillin Salts for the Prolongation of
Penicillin Blood Levels: *Samuel Monash* 370

Inhibition of the Enzymatic Hydrolysis of ATP by
Certain Cardiac Drugs:
T. E. Kimura and K. P. DuBois 370

Creatinuria in Diabetics and an Evaluation of Methods
for Determining Total Creatinine:
Saul Caspe, Benjamin Davidson, and Joseph Truhlar . 371

Interpretation of Lignin: The Synthesis of Gymno-
sperm Lignin: *Alfred Russell* 372

In the Laboratory

Ortho-Hydroxyphenylacetic Acid From an Amorphous
Penicillin:
Henry Fischbach, T. E. Eble, and Joseph Levine . . . 373

The Laboratory Preparation of Mustard Gas:
Henry E. Bent 374

Oxidation of β -Carotene With Osmium Tetroxide:
G. C. L. Goss and W. D. McFarlane 375

An Improved Electromagnetic Sphygmograph:
Basil I. Panzer, et al 376

Book Reviews

A new notation and enumeration system for organic
compounds: *G. Malcolm Dyson*.
Reviewed by *Frederick D. Rossini* 377

Psychiatric research: *C. K. Drinker, et al.*
Reviewed by *Walter R. Miles* 377

Scientific Book Register 378

(Cover photo by Press Association, Inc.)

Science, a weekly journal, is published each Friday by the American Association for the Advancement of Science at Mt. Royal & Guilford Avenues, Baltimore 2, Maryland. Founded in 1880, it has been since 1900 the official publication of the AAAS. Editorial, Advertising, and Circulation 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 January 17, 1947, at the postoffice at Baltimore, Maryland, under the act of March 3, 1879.

Articles offered for publication should be sent to the Editor, 1515 Massachusetts Avenue, N.W., Washington 5, D. C. Membership correspondence for the AAAS should be sent to the Administrative Secretary, 1515 Massachusetts Avenue, N.W., Washington 5, D. C.

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, and notices of changes of address should be sent to the Circulation Department. 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. 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

106 (2755)

Science **106** (2755), 355-378.

ARTICLE TOOLS

<http://science.sciencemag.org/content/106/2755>

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. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title *Science* is a registered trademark of AAAS.