

SCIENCE

Vol. 112 No. 2903 Friday, August 18, 1950



AAAS EDITORIAL BOARD (Terms Expire June 30, 1951)

H. Bentley Glass
Lorin J. Mullins
Howard A. Meyerhoff
Chairman

Beth Wilson
Executive Editor of Science

F. A. Moulton, Advertising Representative

Table of Contents

Use of Blood Groups in Human
Classification: *William C. Boyd* 187

Technical Papers

Nitrogen Fixation by the Green and Purple
Sulfur Bacteria: *E. S. Lindstrom,*
Shirley R. Tove, and P. W. Wilson 197

Windowless, Flow Type, Proportional Counter
for Counting C¹⁴: *C. V. Robinson* 198

Preliminary Report on a Device for the
Objective Measurement of the Negative
Afterimage Phenomenon: *H. Lehmann* 199

A Preliminary Investigation of the
Relationship between Visual Fusion of
Intermittent Light and Intelligence:
Wilson P. Tanner, Jr. 201

Studies on the Mechanism of Nitrate
Assimilation in *Neurospora*:
Gabriel de la Haba 203

A New Hemolytic Agent for the Manometric
Determination of the Oxygen Content
of Blood: *Martin J. Yiengst* 205

Radioautographs of Frog Membrane:
Russell E. Lux, Paul M. Scott, and
John E. Christian 205

Action of Bacterial Toxins on the
"Fragility" of Chicken Erythrocytes:
F. R. Hunter et al. 206

Book Reviews

Progress in the Chemistry of Organic
Natural Products, Vol. V.: *L. Zechmeister,*
Ed. Reviewed by *H. B. Hass* 208

The Effects of Atomic Weapons:
Samuel Glasstone, Ed. Reviewed by
Howard L. Andrews 208

News and Notes

The 15th Cold Spring Harbor Symposium on
Quantitative Biology: Origin and Evolution
of Man: *Curt Stern* 209

Symposium on Copper Metabolism,
McCullum-Pratt Institute of The Johns
Hopkins University: *Bentley Glass* 209

Science, founded in 1880, is published each Friday by the American Association for the Advancement of Science at the Business Press, 10 McGovern Ave., Lancaster, Pa. 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 (d-2) Section 34.40 P. L. & R. of 1948.

All correspondence should be sent to *Science*, 1515 Massachusetts Ave., N. W., Washington 5, D. C. The AAAS assumes no responsibility for the safety of manuscripts or for

the opinions expressed by contributors. Four weeks' notice is required for change of address, and an address stencil label from a recent issue must be furnished. Claims for a missing number will be allowed only if received within 60 days from date of issue.

Annual subscriptions, \$7.50; single copies, \$.25; foreign postage, outside the Pan-American Union, \$1.00; Canadian postage, \$.50.

The AAAS also publishes *The Scientific Monthly*. Subscription rates on request.

Science

112 (2903)

Science **112** (2903), 187-214.

ARTICLE TOOLS

<http://science.sciencemag.org/content/112/2903.citation>

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 © 1950 The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works.