



# SCIENCE

MAY 15, 1953

VOLUME 117

NUMBER 3046

## Contents

On the Nuclear Envelope: <i>Norman G. Anderson</i> .....	517
William Herbert Hobbs: 1864-1953: <i>George D. Hubbard</i> .....	521
<b>News and Notes</b> .....	523
<b>Technical Papers</b>	
Reversed Phase Paper Chromatography of Parathion and Related Phosphate Esters: <i>R. L. Metcalf and R. B. March</i> .....	527
A Production of Amino Acids Under Possible Primitive Earth Conditions: <i>Stanley L. Miller</i> .....	528
A Vacuum Microsublimation Apparatus: <i>John R. Maher</i> .....	529
The Effect of Carbon Monoxide on Respiration in the Sweet Potato, <i>Ipomoea batatas</i> Lan.: <i>George C. Webster</i> .....	530
The Dependence of the Secondary Sex Ratio in Humans on the Age of the Father: <i>Edward Novitski</i> .....	531
Hibernation and Cortical Electrical Activity in the Woodchuck ( <i>Marmota monax</i> ): <i>Charles P. Lyman and Paul O. Chatfield</i> .....	533
Observations on a Class of Free Radicals Derived from Aromatic Compounds: <i>D. Lipkin et al.</i> .....	534
Excessive Intake of Vitamin A as a Cause of Congenital Anomalies in the Rat: <i>Sidney Q. Cochlan</i> .....	535
<b>Comments and Communications</b>	
Addenda to Dissa and Data: <i>Donald P. Rogers and A. L. Bacharach</i> .....	537
A Blood Pump for Whole Blood Without Anticoagulants: <i>John J. Osborn</i> .....	537
The Scientist and the Library Cataloger: <i>Roger J. Poulin and Richard S. Angell</i> .....	538
<b>Book Reviews</b>	
<i>Dental Anatomy; A History of Psychology in Autobiography</i> .....	539
<b>CIBA Tissue Transplantation Symposium</b> .....	3
<b>Meetings &amp; Conferences</b> .....	16

AMERICAN ASSOCIATION FOR THE  
ADVANCEMENT OF SCIENCE

# Science

**117 (3046)**

*Science* 117 (3046), 3-540.

**ARTICLE TOOLS**

<http://science.sciencemag.org/content/117/3046.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 © 1953 The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works.