

SCIENCE

VOL. 94

FRIDAY, OCTOBER 31, 1941

No. 2444

<i>Cultivation of Rickettsiae of the Rocky Mountain Spotted Fever, Typhus and Q Fever Groups in the Embryonic Tissues of Developing Chicks:</i> DR. HERALD R. COX	399
<i>Rafinesque's Interests—A Century Later: Medicinal Plants:</i> DR. H. B. HAAG	403
<i>Obituary:</i> <i>August H. Wittenborg:</i> PROFESSOR O. W. HYMAN and OTHERS. <i>Deaths and Memorials</i>	407
<i>Scientific Events:</i> <i>Damage to the University of London and Its Hospitals; The Mount Desert Island Biological Laboratory; The Pan American Congress of Mining Engineering and Geology; The Attack on the City College System of New York City; Answer from Sixty-four Soviet Mathematicians to Letter of Greetings from American Mathematicians; Priority Rating Given to Research Laboratories</i>	408
<i>Scientific Notes and News</i>	410
<i>Discussion:</i> <i>Auroral Display and Geomagnetic Storm of September 18–19:</i> A. G. MCNISH. <i>Mosses in the Virginia Caverns:</i> WALTER B. LANG. <i>Stone Man Cave, Shasta County, California:</i> E. L. FURLONG. <i>Reprint Size:</i> PROFESSOR CLIVE M. MCCAY. <i>Leonhard Stejneger:</i> PAUL H. OEHSER	413
<i>Quotations:</i> <i>Science and World Order</i>	415
<i>Scientific Books:</i> <i>Mammalian Fauna:</i> DR. GEORGE GAYLORD SIMPSON. <i>Physics:</i> DR. W. F. G. SWANN	416
<i>Reports:</i> <i>Statement by the Board of Directors of the American Chemical Society</i>	418
<i>Special Articles:</i> <i>P-Aminobenzoic Acid Prevents the Growth-Inhibitory Action of Sulfanilamide:</i> DR. NAOMI S. DIMOND. <i>The Inhibition of Brain Oxidations by a Convulsant Barbiturate:</i> DR. F. A. FUHRMAN, PROFESSOR A. W. MARTIN and PROFESSOR J. M. DILLE. <i>Indications of an Increase in Number of C-Atoms in Acids and Number of Acids in Seed Fats with Advance in Evolutionary Position:</i> JAMES B. MCNAIR	420
<i>Scientific Apparatus and Laboratory Methods:</i> <i>An Apparatus for the Determination of the Solubilities of Gases at High Temperatures and High Pressures:</i> DR. V. N. IPATIEFF and G. S. MONROE. <i>A Safety Switch for Water-Cooled X-Ray Tubes:</i> DR. PAUL C. HODGES	423
<i>Science News</i>	8

SCIENCE: A Weekly Journal devoted to the Advancement of Science, edited by J. MCKEEN CATTELL and published every Friday by

THE SCIENCE PRESS

Lancaster, Pa. Garrison, N. Y.
New York City: Grand Central Terminal
Annual Subscription, \$6.00 Single Copies, 15 Cts.

SCIENCE is the official organ of the American Association for the Advancement of Science. Information regarding membership in the Association may be secured from the office of the permanent secretary in the Smithsonian Institution Building, Washington, D. C.

CULTIVATION OF RICKETTSIAE OF THE ROCKY MOUNTAIN SPOTTED FEVER, TYPHUS AND Q FEVER GROUPS IN THE EMBRYONIC TISSUES OF DEVELOPING CHICKS¹

By Dr. HERALD R. COX

THE ROCKY MOUNTAIN LABORATORY, THE NATIONAL INSTITUTE OF HEALTH, HAMILTON, MONT.

I AM deeply conscious of the honor which the American Association for the Advancement of Science has conferred in selecting me as the recipient of the Theobald Smith award.

I take this opportunity to express my appreciation

¹Contribution from the Rocky Mountain Laboratory (Hamilton, Montana) of the Division of Infectious Diseases of the National Institute of Health. Address delivered on September 22, 1941, to the Section on Medical Sciences upon receipt of the Theobald Smith Award of the American Association for the Advancement of Science.

to my former chief, Dr. Peter K. Olitsky, of the Rockefeller Institute, for his continued and never-failing interest in my work, to Drs. R. R. Parker, director of the Rocky Mountain Laboratory, and R. E. Dyer, chief of the Division of Infectious Diseases, The National Institute of Health, for their sympathetic understanding and cooperation in making these studies possible, and to my assistants, E. John Bell and Lyn-dahl E. Hughes, for their loyal and invaluable aid.

In 1938 the author reported: First, a simple tech-

Science

94 (2444)

Science **94** (2444), 399-424.

ARTICLE TOOLS

<http://science.sciencemag.org/content/94/2444.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 © 1941 The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works.