

SCIENCE

FRIDAY, JUNE 14, 1918

THE VALUE AND SERVICE OF ZOOLOGICAL SCIENCE¹

CONTENTS

<i>The Value and Service of Zoological Science:—</i>	
<i>Spiritual Values:</i> PROFESSOR WINTERTON C. CURTIS	571
<i>Measures for protecting Wheat-flour Substitutes from Insects:</i> ROYAL N. CHAPMAN...	579
<i>Scientific Events:—</i>	
<i>Progress of Birth and Death Registration in the United States; The International Catalogue of Scientific Literature; Prizes offered by the American Fisheries Society; The Medals of the Geological Society of London</i>	581
<i>Scientific Notes and News</i>	585
<i>University and Educational News</i>	587
<i>Discussion and Correspondence:—</i>	
<i>Desmognathus Fuscus again:</i> DR. LEONHARD STEJNEGER. <i>Evolution of Bacteria:</i> I. J. KLIGLER. <i>Organic Chemicals for Research, or the Need of a Philanthropist:</i> PROFESSOR ROSS AIKEN GORTNER	587
<i>Scientific Books:—</i>	
<i>Laws on Electrical Measurements:</i> PROFESSOR A. DEFOREST PALMER	591
<i>Special Articles:—</i>	
<i>A New and Improved Method for obtaining Pectin from Fruits and Vegetables:</i> C. A. MAGOON AND JOSEPH S. CALDWELL. <i>The Care and Breeding of Albino Rats:</i> PROFESSOR J. R. SLONAKER.....	592

MSS. intended for publication and books, etc., intended for review should be sent to The Editor of Science, Garrison-on-Hudson, N. Y.

SPIRITUAL VALUES

THE material values of science are often heralded, while its spiritual values pass unnoticed. Leaving all tangible values unemphasized, we shall here contend that the intangible values of science in general and of zoology in particular are the more significant. These we may characterize as "spiritual," using the term over against "material" and without further implication. Thus, if we speak of man's spiritual yearnings in contrast with his material needs, we may not have a clear idea of what this phrase implies, but we recognize in this contrast the existence of something the opposite of material. That which constitutes "the spirit of the man" is too illusive for definition, yet it is a thing we recognize as existent and in such a sense the word spiritual is used.

In the present world crisis there are none who decry the material values of science. Our very national existence depends upon them. But there are many who raise the question whether science on its spiritual side is not a failure, whether the war is not science gone mad; and we scientists need to consider what is the source of this undercurrent of criticism which sets against the freedom of science. In the eyes of the man in the street, science represents only material accomplishment and even among the educated such a belief is not uncommon. We men of science do not believe this. Why should others? Perhaps we are to blame

¹ Symposium before the American Society of Zoologists, Minneapolis, December 29, 1917.

Science

47 (1224)

Science 47 (1224), 571-596.

ARTICLE TOOLS

<http://science.sciencemag.org/content/47/1224.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. 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.