

SCIENCE

Vol. 101

FRIDAY, MARCH 9, 1945

No. 2619

<i>Biology and Agriculture in the Postwar World</i> : DR. ROBERT F. GRIGGS	235
<i>Obituary</i> : <i>Sumner A. Ives</i> : DR. JOHN R. SAMPEY, JR. <i>Recent Deaths</i>	240
<i>Scientific Events</i> : <i>The Proposed Organization of Scientific Research in India; The Income of Professional Chemists; The Nutrition Foundation; St. Louis Conference on Gene Action in Micro-Organisms</i>	240
<i>Scientific Notes and News</i>	242
<i>Discussion</i> : <i>Sir Isaac Newton and the Sensitive Radiometer</i> : DR. C. G. ABBOT. <i>A 2,3-Butanediol-Glycerol Fermentation</i> : DR. A. C. NEISH, A. C. BLACKWOOD and DR. G. A. LEDINGHAM. <i>Is Caste Differentiation in Ants a Function of the Rate of Egg Deposition?</i> : DR. STANLEY E. FLANDERS. <i>Staffing Science Departments after the War</i> : DR. HENRY E. SIGERIST. <i>Science Talent in American Youth</i> : DR. HAROLD A. EDGERTON and LIEUTENANT STEUART HENDERSON BRITT	244
<i>Scientific Books</i> : <i>The Production of Antibodies</i> : DR. HANS NEURATH. <i>Mushrooms</i> : DR. FRED J. SEAVER. <i>Selected Experiments in Chemistry</i> : DR. HUBERT N. ALYEA	248
<i>Reports</i> : <i>The Southern Research Institute</i> : DR. W. A. LAZIER	249
<i>Special Articles</i> : <i>Role of Fat in Incisor Depigmentation of Vitamin E-Deficient Rats</i> : DR. HUMBERTO GRANADOS and DR. HENRIK DAM. <i>Urinary Excretion of Penicillin in Man after Oral Administration with Gastric Antacids</i> : JESSE CHARNEY, HARVEY E. ALBURN and FINN W. BERNHART. <i>Aerosol Application of Growth Regulators to Retard Abscission of Apple Fruits</i> : DR. H. B. TUKEY and DR. C. L. HAMNER. <i>Effect of Merthiolate (Lilly) on Certain Specific Precipitation Reactions</i> : DR. DAVID PRESSMAN and ALLAN L. GROSSBERG	250
<i>Scientific Apparatus and Laboratory Methods</i> : <i>A Strain Gage Recorder for Physiological Volume, Pressure and Deformation Measurements</i> : DR. HARRY GRUNDFEST, PROFESSOR JAMES J. HAY and DR. SERGEI FEITELBERG. <i>A Modified Technique for Reading the Rapid Slide Agglutination of Leptospira</i> : HENRI P. MINETTE	255
<i>Science News</i>	10

SCIENCE: A Weekly Journal, since 1900 the official organ of the American Association for the Advancement of Science. Published by the American Association for the Advancement of Science every Friday at Lancaster, Pennsylvania.

Editors: JOSEPHINE OWEN CATTELL and JACQUES CATTELL.

Policy Committee: MALCOLM H. SOULE, ROGER ADAMS and WALTER R. MILES.

Advertising Manager: THEO. J. CHRISTENSEN.

Communications relative to articles offered for publication should be addressed to Editors of Science, 34 Gramercy Park, New York 3, N. Y.

Communications relative to advertising should be addressed to THEO. CHRISTENSEN, Advertising Manager, Smithsonian Institution Building, Washington 25, D. C.

Communications relative to membership in the Association and to all matters of business of the Association should be addressed to the Permanent Secretary, A.A.A.S., Smithsonian Institution Building, Washington 25, D. C.

Annual subscription, \$6.00

Single copies, 15 cents

BIOLOGY AND AGRICULTURE IN THE POSTWAR WORLD¹

By Dr. ROBERT F. GRIGGS

NATIONAL RESEARCH COUNCIL

BIOLOGISTS have not measured up either to their opportunities or to their responsibilities in contributions to the war effort. It is highly important for the public welfare and for the welfare of biologists that this situation be improved. There are many clear signs that the biological arts and sciences are going to assume a much more important role in public service than they ever have before. It is important that we biologists be able to perform this increased service that we should be rendering.

For the first time in history food is being used as an instrument in national and international policy. Food policy as it is now being formulated by the Interim Commission of Food and Agriculture set up by the Hot Springs Conference of the United Nations is

¹ Invitation paper before a joint session of Section G and the Botanical Society of America in Cleveland, September 13, 1944 (somewhat revised).

the best device yet brought forward for preventing future wars.

How far the recommendations of the Interim Commission will be put into practice it is not now possible to say. But I believe it certain that some sort of food policy will be adopted by the civilized nations. Some policy will in fact have to be adopted. Food production in the United States has increased much more than in the first World War. It is up about one third over 1939. It has increased even more in Britain. There is good reason to suppose that further increases rather than recessions will occur. We shall have food surpluses—if we are to consider them surpluses—much greater than during the depression. In the face of the situation that is surely coming only two courses are possible: (1) we may either restrict production and put surplus producers on some sort of a

Science

101 (2619)

Science **101** (2619), 235-256.

ARTICLE TOOLS

<http://science.sciencemag.org/content/101/2619.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.