

SCIENCE

VOL. 93

FRIDAY, JUNE 20, 1941

No. 2425

<i>Science, National and International, and the Basis of Cooperation</i> : DR. A. V. HILL	579
<i>Energy at the Threshold of Vision</i> : PROFESSOR SELIG HECHT, DR. SIMON SHLAER and MAURICE H. PIRENNE	585
Scientific Events: <i>The College of Surgeons, London; Nature Protection and Wildlife Preservation; The Scientific Apparatus Makers of America; The Hundredth Anniversary of the College of Literature, Science and the Arts of the University of Michigan; Celebration at Rutgers University; Honorary Degrees Recently Conferred on Scientific Men. Deaths and Memorials</i>	587
<i>Scientific Notes and News</i>	590
Discussion: <i>The Manchester Literary and Philosophical Society</i> : PROFESSOR DONAL SHEEHAN. <i>The Age of Sauropod Dinosaurs</i> : DR. BARNUM BROWN. <i>Westward Spread of Eastern Type Equine Encephalomyelitis Virus</i> : LT. COLONEL RAYMOND RANDALL and FIRST LT. ERVIN A. EICHHORN. <i>The "Meaning" of Science</i> : DR. FREDERICK S. HAMMETT	593
Scientific Books: <i>Algebraic Theories</i> : PROFESSOR CYRUS COLTON MACDUFFEE. <i>Pharmacy</i> : PROFESSOR CHARLES A. KOFOD	596
Reports: <i>Thirtieth Annual Report of the Brooklyn Botanic Garden</i>	597
Special Articles: <i>The Prevention by Choline of Liver Cirrhosis in Rats on High Fat, Low Protein Diets</i> : DR. HAROLD BLUMBERG and PROFESSOR E. V. MCCOLLUM. <i>The Metabolism of β-Naphthylamine by Rats, Rabbits and Monkeys</i> : K. DOBRINER, K. HOFMANN and DR. C. P. RHOADS. <i>Bacteraemia in Land-Locked Salmon (<i>Salmo sebago</i>) in Maine</i> : DR. E. CLIFFORD NELSON and DR. S. F. SNIESZKO	598
Scientific Apparatus and Laboratory Methods: <i>A Design for a Saturated Calomel Electrode</i> : PROFESSOR M. GARCIA BANUS. <i>A Convenient Method of Labeling Bottles</i> : PROFESSOR E. WILBUR COOK, JR. <i>How to Remove the Plungers of "Frozen" Glass Syringes</i> : W. R. GOFF	601
<i>Science News</i>	8

SCIENCE: A Weekly Journal devoted to the Advancement of Science, edited by J. McKEEN CATTRELL 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.

SCIENCE, NATIONAL AND INTERNATIONAL, AND THE BASIS OF COOPERATION¹

By Dr. A. V. HILL, M.P.

FOULERTON RESEARCH PROFESSOR AND SECRETARY OF THE ROYAL SOCIETY

I SHOULD be the last to claim that we scientific men, as a class, are less liable to prejudice on grounds of self-interest, race, politics or religion than other educated people; and we should deceive ourselves, and perhaps some uncritical members of the public, if we were to assume (as some of us seem to do) that scientific eminence, or the scientific habit of mind, as such, or even scientific notoriety, give any special virtue to our opinions on more ordinary topics. It is, nevertheless, a fact that the nature of our occupation makes scientific men particularly international in their outlook. In its judgments on facts science claims to be independent of political opinion, of nationality, of material

profit. It believes that nature will give a single answer to any question properly framed, and that only one picture can ultimately be put together from the very complex jigsaw puzzle which the world presents. Individual and national bias, fashion, material advantage, a temporary emergency, may determine which part of the puzzle at any moment is subject to the greatest activity. For its final judgments, however, for its estimates of scientific validity, there is a single court of appeal in nature itself, and nobody disputes its jurisdiction. Those who talk, for example, of Aryan and non-Aryan physics or of proletarian and capitalist genetics, as though they were different, simply make themselves ridiculous. For such reasons the community of scientific people throughout the world is convinced of the necessity of international collaboration;

¹ Read at the Annual General Meeting of the Parliamentary and Scientific Committee held in the House of Commons.

Science

93 (2425)

Science **93** (2425), 579-602.

ARTICLE TOOLS

<http://science.sciencemag.org/content/93/2425.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.