Blood Proteins and Their Therapeutic Value: Professor Edwin J. Cohn

Discussion:
The Advancement of Science every Friday at Lancaster, Pennsylvania.

Scientific Events:
- Vital Statistics of Australia: Meetings of Entomologists; The Annual Meeting of the American Phytopathological Society; The National Malaria Society; The Bernays Radio Award

Scientific Notes and News:
- The Nomenclature of the Rb Blood Types: Dr. Laurence H. Snyder. The Threat to Pure Science: Dr. Jared S. Moore, Cope in Current Files of Scientific Periodicals: Eileen R. Cunningham.
- Education in Argentina: Professor J. A. Shellenberger

Scientific Books:
- Advanced Calculus: Professor D. V. Widder. The Needs of Man: Dr. Warren S. Thompson

Special Articles:
- Interaction between Crystalline Penicillin and Human Plasma Proteins: Dr. Bacon F. Chow, and Clara M. McKee. The Serological Diagnosis of Syphilis: Dr. Hans Neurath and Others. A New Trypanocidal Agent: γ-(p-Arenosopropyl)-Butyric Acid: Dr. Harry Eagle

Scientific Apparatus and Laboratory Methods:
- A Microcalomel Electrode for Polarographic Measurements: Dr. Philip W. West and Dr. Edward S. Amis

Science News

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, The Science Press, Lancaster, Pa.

Communications relative to advertising should be addressed to Theo. J. 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

BLOOD PROTEINS AND THEIR THERAPEUTIC VALUE

By Professor Edwin J. Cohn

Department of Physical Chemistry, Harvard Medical School

Recognition of the role of the National Research Council in making available to Government Agencies the knowledge and advice of civilian experts in the medical sciences appears to be peculiarly appropriate at this time. I am honored to have been asked to participate in this ceremony, and to discuss blood proteins and their therapeutic value. The Blood Substitutes Sub-Committee of the National Research Council is

1 Address delivered on December 11, 1944, at the ceremony of the award to the National Research Council by the American Pharmaceutical Manufacturers Association, New York, N. Y.

2 The observations on which this appraisal is based involve so many fields and have appeared in such diverse publications that even a partial bibliography would be longer than this address. "A Plan for Collection, Transportation and Administration of Whole Blood and Plasma in Warfare," by DeGowin and Harkin (War Medicine, 1: 232, 1941), reviews the earlier experience on blood transfusions, "The Preparation and Preservation of Human Plasma," by Stromia, Mosigrow, and Reichel (Am. Jour. Clin. Path., 11: 480, 1941), that on a small group, the membership of which has changed but little from the time, many months before Pearl Harbor, when it was reorganized and charged with the responsibility of advising the Armed Forces and Government Agencies as to the methods to be employed and the products to be accumulated against military emergency or civilian disaster. Although it has carefully and critically examined the properties of every blood substitute that has been suggested, it

101 (2612)

Science 101 (2612), 51-72.

ARTICLE TOOLS
http://science.sciencemag.org/content/101/2612.citation

PERMISSIONS
http://www.sciencemag.org/help/reprints-and-permissions

Use of this article is subject to the Terms of Service