

To Dr. Daniel Abramson, assistant in obstetrics, Boston Lying-In Hospital, for chemicals, animals and other expendable materials to be used in a study of the effect of "Relaxin" on smooth muscle, \$300.

To Lyman G. Parratt, assistant professor, Cornell University, for equipment and construction of high voltage apparatus for a continuing study of the outer energy levels of solid materials, \$325, contingent upon receipt by the recipient of a similar sum from the Rumford Committee or elsewhere.

To Charles W. Turner, professor of dairy husbandry, University of Missouri, for the purchase of experimental animals and feed for a study of the relation of thyroid gland to the fat, carbohydrate and protein metabolism hormones of the anterior pituitary, \$500.

To George E. Valley, Jr., national research fellow, Harvard University, for machine work, metal stock, materials and specimens required in his study of the energy and relative intensity of gamma rays from certain atomic nuclei, \$450.

To Donald H. Menzel, professor of astrophysics, Harvard University, for the purchase of quartz plates and other materials to construct filters for isolating narrow bands of light to be used in astronomical studies, \$450.

To Alfred C. Lane, professor emeritus of geology, Tufts College, to supply certain materials and assistance to Professor Wahl, of Helsinki, Finland, as a part of the program of the Committee on the Measurement of Geological Time of the National Research Council, \$250, provided that means can be found to forward materials and funds to the above destination.

To Alvin L. Moxon, experiment station chemist, South Dakota State College, Brookings, South Dakota, for materials and animals to be used in his investigation of the antagonism between arsenic and selenium as it relates to selenium poisoning of livestock, \$300.

To Martin D. Whitaker, instructor of physics, New York University, a final grant for the rental of a radium beryllium source to continue his investigation in slow neutron scattering which was supported from this fund in the calendar year just completed, \$500, contingent upon the applicant's ability to secure \$350 from some other source.

To Hugh M. Huffman, assistant professor of biochemistry, California Institute of Technology, for construction of a semimicro bomb to be used in his continuing studies of the application of thermodynamics to physiological processes, \$400, contingent upon his assurance that funds will be available for the remainder of the cost of the problem outlined by him.

To James A. Beattie, professor of physical chemistry,

of the Massachusetts Institute of Technology, a final grant for materials and construction of a cryostat to cover the temperature range 0° to -270° C. to be used in his studies in the absolute temperature scale from -270° to $+450^{\circ}$ C., \$500.

THE CHEMICAL EXPOSITION

AN Industrial Chemical Conference will be held in connection with the National Chemical Exposition from December 11 to 15 at the Stevens Hotel in Chicago. At this conference new discoveries and developments in the service of chemistry and its application and progress in many fields of activity will be discussed.

Announcement is made that the directors of the exposition, sponsored by the Chicago Section of the American Chemical Society, believe that its objectives may be enhanced by furnishing the latest scientific information as well as the practical education that will result from a visit to the exhibition.

Dr. R. C. Newton, chairman of the exhibition committee, states:

We have arranged for this Industrial Chemical Conference an excellent program of papers in the nature of symposia on "Newer Developments in Chemistry and Chemical Engineering." The program is timed to afford those who wish to hear the talks in which they are interested ample opportunity also to view the show.

Technical sessions for the conference have been arranged for Thursday afternoon and evening, December 12; Friday morning, December 13, and Saturday afternoon, December 14. The regular monthly meeting of the Chicago Section of the American Chemical Society will be held on Friday evening, December 13.

Dr. Newton states that in addition to speakers there will be a number of new films shown on a variety of subjects. It is planned to set aside a room for the frequent showing of films that should be of interest to those attending the exposition.

The committee estimates that approximately 40,000 chemists will attend the exposition and conference, including chemists, chemical engineers, operating engineers, production managers, plant superintendents, buyers and company executives. Exposition floor space is limited to 38,000 square feet, more than 75 per cent. of which has already been assigned.

SCIENTIFIC NOTES AND NEWS

THE Sedgwick Memorial Medal of the American Public Health Association has been awarded posthumously to Dr. Hans Zinsser.

THE American Geographical Society has awarded the Cullum Geographical Medal to Dr. Robert Cush-

man Murphy, curator of oceanic birds at the American Museum of Natural History, and the Charles P. Daly Medal to Professor Carl O. Sauer, chairman of the department of geography at the University of California. The presentation will be made at a meet-