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FOREWORD.

The Symposium on Metabolism, which is presented here, has as its basis a course of lectures that was given before the Ohio State Chapter of the Society of the Sigma Xi during the academic year 1932-33. At that time the personnel of the Executive Committee, which is charged with determining the policies of the chapter, was as follows:

- Professor J. F. Lyman, *President.*
- Professor F. C. Blake, *Councilor.*
- Professor E. M. Spieker, *Vice-President.*
- Professor F. A. Hitchcock, *Secretary.*

It was the unanimous opinion of this committee that the program for the year would be both more valuable and more interesting if it were arranged so that various aspects of the same central topic furnished the subjects for the meetings held throughout the year. After careful consideration the subject of Metabolism was selected as the central topic. While it was recognized that a course of lectures on this topic would be of interest primarily to the biologists of the Chapter, it was believed that the subject involved sufficient applications of physics and chemistry to make the course worth while to the non-biological scientist.

The authors of the various papers have all made valuable contributions to our knowledge of metabolism, and the major portion of the material given in each paper is obtained from the original researches of the author. The material is presented in such a way as to make it comprehensible to the intelligent layman.

The committee wishes to express its appreciation to the authors of the various papers, to the editor and business manager of the Ohio Journal of Science, to the members of the Chapter

and to all others concerned, for the splendid co-operation which made the series of lectures so successful and which now makes their publication possible.

F. A. HITCHCOCK, *Secretary*.

Physiology Laboratories,
Ohio State University, September 8, 1933.

EDITOR'S NOTE.

The Journal is pleased to be able to publish these papers on metabolism, which form an important contribution to science, and which conform admirably to the Journal's policy of printing timely articles on topics of current scientific interest. They are published in symposium form and out of their regular order of appearance due to the financial aid of the Society of the Sigma Xi.