

**THE ANATOMY
AND PHYSIOLOGY
OF CAPILLARIES**

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The Anatomy and Physiology of Capillaries by August Krogh

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AUGUST KROGH

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OF CAPILLARIES**

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THE
ANATOMY AND PHYSIOLOGY
OF
CAPILLARIES

(352)

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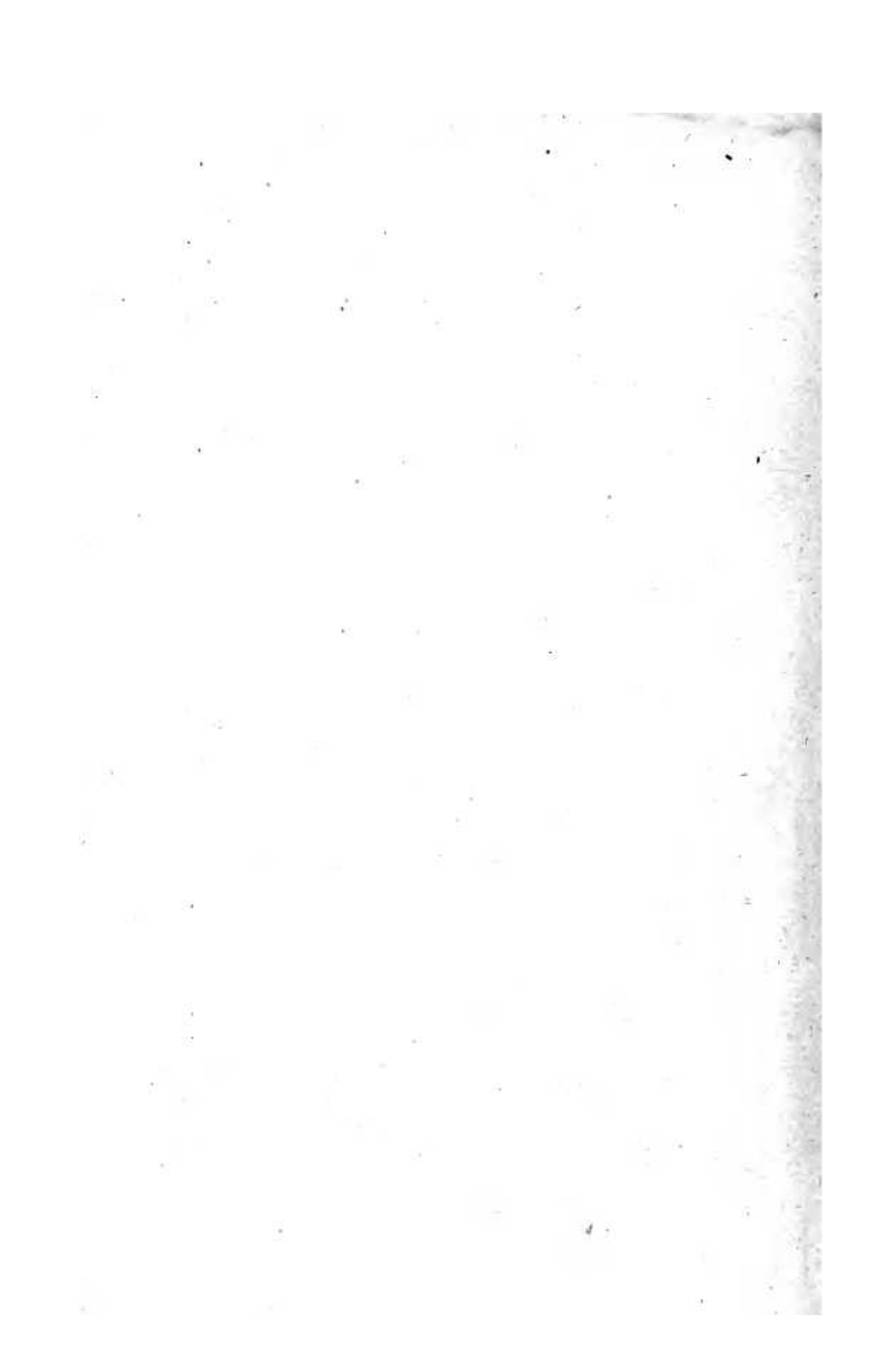
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THE SILLIMAN FOUNDATION

In the year 1883 a legacy of eighty thousand dollars was left to the President and Fellows of Yale College in the city of New Haven, to be held in trust, as a gift from her children, in memory of their beloved and honored mother, Mrs. Hepsa Ely Silliman.

On this foundation Yale College was requested and directed to establish an annual course of lectures designed to illustrate the presence and providence, the wisdom and goodness of God, as manifested in the natural and moral world. These were to be designated as the Mrs. Hepsa Ely Silliman Memorial Lectures. It was the belief of the testator that any orderly presentation of the facts of nature or history contributed to the end of this foundation more effectively than any attempt to emphasize the elements of doctrine or of creed; and he therefore provided that lectures on dogmatic or polemical theology should be excluded from the scope of this foundation, and that the subjects should be selected, rather, from the domains of natural science and history, giving special prominence to astronomy, chemistry, geology and anatomy.

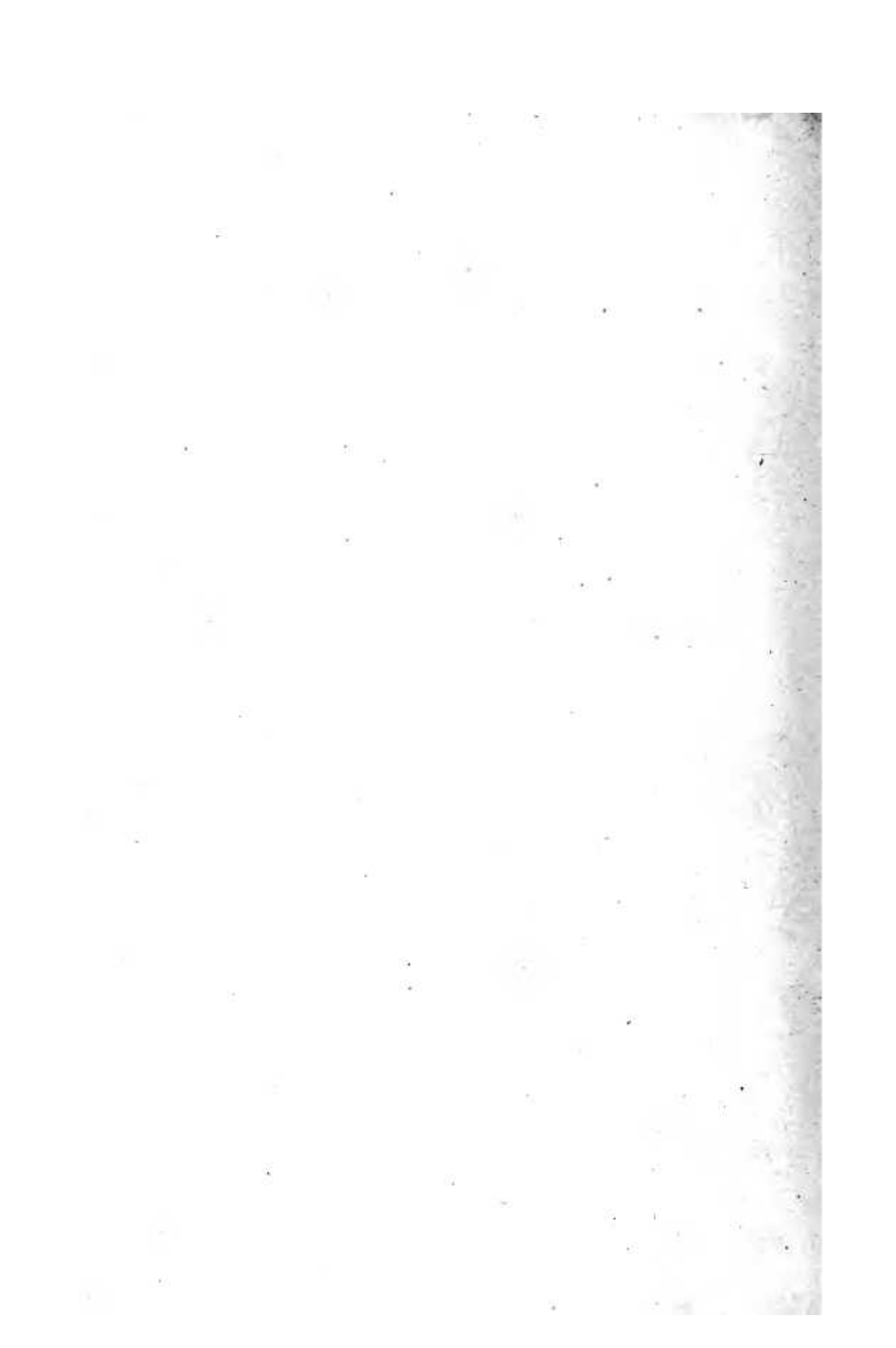
It was further directed that each annual course should be made the basis of a volume to form part of a series constituting a memorial to Mrs. Silliman. The memorial fund came into the possession of the Corporation of Yale University in the year 1901; and the present volume constitutes the eighteenth of the series of memorial lectures.



TO MY WIFE
AND TO MY YOUNG COMRADES
IN THE LABORATORY

MR. P. BRANDT REHBERG
MISS E. B. CARRIER (BERKELEY)
DR. G. A. HARROP (BALTIMORE)
MR. O. RASMUSSEN
AND DR. B. VIMTRUP

THIS BOOK IS GRATEFULLY INSCRIBED



PREFACE

THE lectures printed in the present volume contain a considerable amount of hitherto unpublished experimental material; and I have been very anxious, therefore, to have them published without any delay.

I wish here to record my debt of gratitude to the Yale University Press for furthering the publication in every possible way; and to my friend, Professor Yandell Henderson, for his unfailing kindness in undertaking, in a great measure, the burden of proofreading, and for his many valuable suggestions and criticisms.

AUGUST KROGH.

November, 1922.