

MONOGRAPHS ON EXPERIMENTAL BIOLOGY

EDITED BY

JACQUES LOEB, Rockefeller Institute  
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THE PHYSICAL BASIS OF HEREDITY

BY  
THOMAS HUNT MORGAN

# MONOGRAPHS ON EXPERIMENTAL BIOLOGY

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# THE PHYSICAL BASIS OF HEREDITY

BY

THOMAS HUNT MORGAN

PROFESSOR OF EXPERIMENTAL ZOOLOGY IN COLUMBIA UNIVERSITY

117 ILLUSTRATIONS



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## EDITORS' ANNOUNCEMENT

THE rapid increase of specialization makes it impossible for one author to cover satisfactorily the whole field of modern Biology. This situation, which exists in all the sciences, has induced English authors to issue series of monographs in Biochemistry, Physiology and Physics. A number of American biologists have decided to provide the same opportunity for the study of Experimental Biology.

Biology, which not long ago was purely descriptive and speculative, has begun to adopt the methods of the exact sciences recognizing that for permanent progress not only experiments are required but quantitative experiments. It will be the purpose of this series of monographs to emphasize and further as much as possible this development of Biology.

Experimental Biology and General Physiology are one and the same science, in method as well as content, since both aim at explaining life from the physico-chemical constitution of living matter. The series of monographs on Experimental Biology will therefore include the field of traditional General Physiology.

JACQUES LOEB,  
T. H. MORGAN,  
W. J. V. OSTERHOUT.

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