GALBRAITH & HAUGHTON'S SCIENTIFIC MANUALS. EXPERIMENTAL AND NATURAL SCIENCE SERIES. A MANUAL OF THE SUB-KINGDOM PROTOZOA WITH A GENERAL INTRODUCTION ON THE PRINCIPLES OF ZOOLOGY Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649032266

Galbraith & Haughton's Scientific Manuals. Experimental and Natural Science Series. A Manual of the Sub-Kingdom Protozoa with a General Introduction on the Principles of Zoology by J. Reay Greene

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J. REAY GREENE

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MANUAL

OF THE

ANIMAL KINGDOM.

I. PROTOZOA.

PROFESSOR J. REAY GREENE.



NEW EDITION.

LONDON:

LONGMAN, GREEN, LONGMAN, ROBERTS, & GREEN.

1868. 35

MANUAL

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WITH A GENERAL INTRODUCTION OF

THE PRINCIPLES OF ZOOLOGY.

BY

JOSEPH REAY GREENE, B.A. PROPESSOR OF NATURAL RISTORY IN THE QUEEN'S COLLEGE, CORE, &c. dc.



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LONGMAN, GREEN, LONGMAN, ROBERTS, & GREEN. 1868.

PRINTED BY SPORTISWOODS AND CO.

PREFACE.

It has been the Author's aim to embody, in the present Manual, a succinct resume of what is known concerning those humbler forms of animal life which constitute the department of Protozoa: and in so doing, he has, as much as possible, sought to interpret the observations of others by the light which he has gained from the results of his own investigations.

A list of the more important memoirs on the Protozoa has been appended to the general account of these animals, in the hope that it may prove useful to those advanced students who may be desirous of entering on their special study.

Titles are affixed to the numbered paragraphs, both with a view to facilitate reference, and also to guide the junior student in selecting those branches of the subject, with which, on a first perusal, it is most desirable that he should be made familiar. It will be found, however, that the general plan of the work is independent of these artificial divisions.

In treating of the classification of the Protozoa, it will be seen that the expressions, class, order, family, and genus, are not here made use of. To these terms a definite meaning is, or ought to be, always attached, and it would, therefore, be premature to apply them to the subdivisions of the Protozoa; the natural groups into which this department is resolvable not having been yet determined with absolute certainty.

Since the present work is the first of a series of similar treatises, on the several departments of the Animal Kingdom, it has been deemed necessary to prefix thereto a brief introduction on the general principles of zoological science.

QUEEN'S COLLEGE, CORE, May, 1859.

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