

**AN INTRODUCTION TO  
THE STUDY OF  
THE DIATOMACEÆ;  
WITH A BIBLIOGRAPHY**

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An Introduction to the Study of the Diatomaceæ; With a Bibliography by Frederick Wm. Mills  
& Julien Deby

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**FREDERICK WM. MILLS & JULIEN DEBY**

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AN INTRODUCTION  
TO THE STUDY OF THE <sup>443/01</sup>  
DIATOMACEÆ,

BY

FREDERICK WM. MILLS, F.R.M.S.,

AUTHOR OF

PHOTOGRAPHY APPLIED TO THE MICROSCOPE, &c.

WITH A

BIBLIOGRAPHY,

BY

JULIEN DEBY, F.R.M.S.

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"Tous les ordres des êtres naturels ne forme qu'une seule chaîne, dans laquelle les différentes classes, comme autant d'annimaux, tinent si étroitement les unes aux autres, qu' il est impossible aux sens, et a l'imagination même, de fixer précisément le point, où qu'une commence ou finit."

LEIBNITZ.

## PREFACE.

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IN making his first acquaintance with the Diatomaceæ the author experienced great difficulty in obtaining concise elementary information. He had to grope his way through a mass of irrelevant literature contained in the reports of Scientific Societies, to purchase many very expensive works, and, with much difficulty, to obtain access to certain rare old volumes.

The study of diatoms is attracting an ever increasing circle of microscopists. By the discovery of fossil diatoms geologists are solving many important and difficult problems. The subject is one of surpassing interest. The field of study is vast, is largely unexplored, and is within the reach of all. Beautiful living specimens abound on every hand, in unpolluted watercourses, in ponds, and in moist places. The great want appears to be a concise introduction both to the diatom and its literature. The author trusts that the following pages may to some extent supply the want. He has collected his information from the highest sources, and has not refrained, where desirable, from using the precise language of eminent writers, whose teaching is better expressed in their own words.

The author acknowledges with gratitude the generous assistance of Mr. Julien Deby, F.R.M.S., who has placed at his disposal the Bibliography appended to this treatise.

F. W. M.

Huddersfield,

April, 1893.





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