

**POPULAR BOOKS ON NATURAL
SCIENCE: FOR PRACTICAL
USE IN EVERY HOUSEHOLD,
FOR READERS OF ALL CLASSES**

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Popular Books on Natural Science: For Practical Use in Every Household, for Readers of All Classes by A. Bernstein

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A. BERNSTEIN

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FROM

President Charles W. Eliot.

BERNSTEIN'S
POPULAR TREATISE
ON
NATURAL SCIENCE.

"In primis, hominis est propria *vixi* inquisitio atque investigatio.
 "Itaque cum sumus negotiis necessariis, curisque vacui, tum avemus
 "aliquid videre, audire, ac dicere, cognitionemque rerum, aut ocul-
 "tarum aut admirabilium, ad bene beatèque vivendum necessariam
 "ducimus;—ex quo intelligitur, quod *vixi*, simplex, sincerumque sit,
 "id esse naturæ hominis aptissimum. Hinc veri videndi cupiditati
 "adjuncta est appetitio quædam principatûs, ut nemini parere ani-
 "mus bene a naturâ informatus velit, nisi præcipienti, aut docenti,
 "aut utilitatis causâ justè et legitimè imperanti : ex quo animi magni-
 "tudo existit, et humanarum rerum contemptio."

CICERO, DE OFFICIIS, Lib. I. § 13.

Before all other things, man is distinguished by his pursuit and
 investigation of *vixi*. And hence, when free from needful business
 and cares, we delight to see, to hear, and to communicate, and
 consider a knowledge of many admirable and abstruse things neces-
 sary to the good conduct and happiness of our lives : whence it is
 clear that whatsoever is *vixi*, simple, and direct, the same is most
 congenial to our nature as men. Closely allied with this earnest
 longing to see and know the truth, is a kind of dignified and princely
 sentiment which forbids a mind, naturally well constituted, to submit
 its faculties to any but those who announce it in precept or in doc-
 trine, or to yield obedience to any orders but such as are at once
 just, lawful, and founded on utility. From this source spring great-
 ness of mind and contempt of worldly advantages and troubles.

POPULAR BOOKS

OR

Natural Science.

FOR PRACTICAL USE IN EVERY
HOUSEHOLD,

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By A. BERNSTEIN.

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THE WEIGHT OF THE EARTH—VELOCITY—NUTRITION—LIGHT
AND DISTANCE—THE WONDERS OF ASTRONOMY—METEOR-
OLOGY—THE FOOD PROPER FOR MAN.

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1869.

PART I.

THE WEIGHT OF THE EARTH.