

# THE INTERNATIONAL SCIENTIFIC SERIES.

THE VOLUMES ALREADY PUBLISHED ARE:—

**THE FORMS OF WATER IN RAIN AND RIVERS, ICE AND GLACIERS.**  
Third Edition. By J. TYNDALL, LL.D., F.R.S. With 26 Illustrations. Crown 8vo. 5s.

"One of Professor Tyndall's best scientific treatises."—*Standard*.

"The most recent findings of science and experiment respecting the nature and properties of water in every possible form, are discussed with remarkable brevity, clearness, and fulness of exposition."—*Graphic*.

"With the clearness and brilliancy of language which have won for him his fame, he considers the subject of ice, snow, and glaciers."—*Morning Post*.

"Before starting for Switzerland next summer every one should study 'The Forms of Water.'"—*Globe*.

"Eloquent and instructive in an eminent degree."—*British Quarterly*.

Second Edition.

**PHYSICS AND POLITICS; OR, THOUGHTS ON THE APPLICATION OF THE PRINCIPLES OF "NATURAL SELECTION" AND "INHERITANCE" TO POLITICAL SOCIETY.** By WALTER BAGEHOT. Crown 8vo. 4s.

"On the whole we can recommend the book as well deserving to be read by thoughtful students of politics."—*Saturday Review*.

"Able and ingenious."—*Spectator*.

"The book has been well thought out, and the writer speaks without fear."—*National Reformer*.

"Contains many points of interest both to the scientific man and to the mere politician."—*Birmingham Daily Gazette*.

Second Edition.

**ON FOOD.** By Dr. EDWARD SMITH. Profusely Illustrated. Price 5s.

**MIND AND BODY: THE THEORIES OF THEIR RELATIONS.** By ALEXANDER BAIN, LL.D., Professor of Logic at the University of Aberdeen. Illustrated. Price 4s.

**THE STUDY OF SOCIOLOGY.** By HERBERT SPENCER.

**ON THE CONSERVATION OF ENERGY.** By Professor BALFOUR STEWART. Fourteen Engravings.

For complete List of the forthcoming Books in the Series, see the end of the book.

HENRY S. KING & CO., 65 CORNHILL and 12 PATERNOSTER ROW.

A

# MIND AND BODY.

THE THEORIES

OF THEIR

RELATION.

BY

ALEXANDER BAIN, L.L.D.,

PROFESSOR OF LOGIC IN THE UNIVERSITY OF ABERDEEN.

SECOND EDITION.

HENRY S. KING & CO.,

65, CORNHILL, AND 12, PATERNOSTER ROW, LONDON.

1873.

A

*(The right of translation and reproduction reserved.)*

# CONTENTS.



## CHAPTER I.

	PAGE
QUESTION STATED . . . . .	1

## CHAPTER II.

CONNEXION OF MIND AND BODY . . . . .	6
--------------------------------------	---

## CHAPTER III.

THE CONNEXION VIEWED AS CORRESPONDENCE, OR CON- COMITANT VARIATION . . . . .	17
---------------------------------------------------------------------------------	----

## CHAPTER IV.

GENERAL LAWS OF ALLIANCE OF MIND AND BODY :—THE FEELINGS AND THE WILL . . . . .	43
------------------------------------------------------------------------------------	----

## CHAPTER V.

THE INTELLECT . . . . .	80
-------------------------	----

## CHAPTER VI.

HOW ARE MIND AND BODY UNITED? . . . . .	120
-----------------------------------------	-----

## CHAPTER VII.

HISTORY OF THE THEORIES OF THE SOUL . . . . .	139
-----------------------------------------------	-----

# MIND AND BODY.

---

## CHAPTER I.

### QUESTION STATED.

MANY persons, mocking, ask—What has Mind to do with brain substance, white and grey? Can any facts or laws regarding the spirit of man be gained through a scrutiny of nerve fibres and nerve cells?

The question, whatever may be insinuated in putting it, is highly relevant, and raises great issues.

The conceivable answers are various:—

First. Granting mind and body to be in our present life inseparable, yet the two might be supposed to have their modes of existence altogether distinct, the one being wholly unaffected by the other. Consequently, each would have to be studied in its own way, and for its own sake alone. On this supposition, the study of brain matter might be interesting as Physiology and for applications