

THE  
INTERNATIONAL SCIENTIFIC SERIES.

Each Book Complete in One Volume. Crown 8vo. cloth.

- I. **FORMS of WATER:** in Clouds and Rivers, Ice and Glaciers. By J. TYNDALL, LL.D., F.R.S. With 25 Illustrations. Ninth Edition. 5s.
- II. **PHYSICS and POLITICS;** or, Thoughts on the Application of the Principles of 'Natural Selection' and 'Inheritance' to Political Society. By WALTER BAGEHOT. Eighth Edition. 4s.
- III. **FOODS.** By EDWARD SMITH, M.D., LL.B., F.R.S. With numerous Illustrations. Ninth Edition. 5s.
- IV. **MIND and BODY:** the Theories and their Relation. By ALEXANDER BAIN, LL.D. With Four Illustrations. Seventh Edition. 4s.
- V. **The STUDY of SOCIOLOGY.** By HERBERT SPENCER. Twelfth Edition. 5s.
- VI. **On the CONSERVATION of ENERGY.** By BALFOUR STEWART, M.A., LL.D., F.R.S. With 14 Illustrations. Seventh Edition. 5s.
- VII. **ANIMAL LOCOMOTION;** or, Walking, Swimming, and Flying. By J. B. PERTIGREW, M.D., F.R.S., &c. With 130 Illustrations. Third Edition. 5s.
- VIII. **RESPONSIBILITY in MENTAL DISEASE.** By HENRY MAUDSLEY, M.D. Fourth Edition. 5s.
- IX. **The NEW CHEMISTRY.** By Professor J. P. COOKE, of the Harvard University. With 31 Illustrations. Eighth Edition. 5s.
- X. **The SCIENCE of LAW.** By Professor SHELDON AMOS. Sixth Edition. 5s.
- XI. **ANIMAL MECHANISM:** a Treatise on Terrestrial and Aërial Locomotion. By Professor E. J. MAREY. With 117 Illustrations. Third Edition. 5s.
- XII. **The DOCTRINE of DESCENT and DARWINISM.** By Professor OSCAR SCHMIDT (Strasburg University). With 26 Illustrations. Seventh Edition. 5s.

---

London: KEGAN PAUL, TRENCH, & CO., 1 Paternoster Square.

A

*The International Scientific Series—continued.*

---

- XIII. The **HISTORY** of the **CONFLICT** between **RELIGION** and **SCIENCE**. By J. W. DRAPER, M.D., LL.D. Nineteenth Edition. 5s.
- XIV. **FUNGI**: their Nature, Influences, Uses, &c. By M. C COOKE, M.A., LL.D. Edited by the Rev. M. J. BERKELEY, M.A., F.L.S. With numerous Illustrations. Third Edition. 5s.
- XV. The **CHEMICAL EFFECTS** of **LIGHT** and **PHOTOGRAPHY**. By Dr. HERMANN VOGEL (Polytechnic Academy of Berlin). Translation thoroughly revised. With 100 Illustrations. Fourth Edition. 5s.
- XVI. The **LIFE** and **GROWTH** of **LANGUAGE**. By WILLIAM DWIGHT WHITNEY. Fifth Edition. 5s.
- XVII. **MONEY** and the **MECHANISM** of **EXCHANGE**. By W. STANLEY JEVONS, M.A., F.R.S. Eighth Edition. 5s.
- XVIII. The **NATURE** of **LIGHT**, with a General Account of **PHYSICAL OPTICS**. By Dr. EUGENE LOMMEL. With 188 Illustrations and a Table of Spectra in Chromo-lithography. Fourth Edition. 5s.
- XIX. **ANIMAL PARASITES** and **MESSMATES**. By Monsieur VAN BENEDEN. With 83 Illustrations. Third Edition. 5s.
- XX. **FERMENTATION**. By Professor SCHÜTZENBERGER. With 28 Illustrations. Fourth Edition. 5s.
- XXI. The **FIVE SENSES** of **MAN**. By Professor BERNSTEIN. With 91 Illustrations. Fifth Edition. 5s.
- XXII. The **THEORY** of **SOUND** in its **RELATION** to **MUSIC**. By Professor PIETRO BLASERNA. With numerous Illustrations. Third Edition. 5s.
- XXIII. **STUDIES** in **SPECTRUM ANALYSIS**. By J. NORMAN LOCKYER, F.R.S. With Six Photographic Illustrations of Spectra, and numerous Engravings on Wood. Fourth Edition. 6s. 6d.
- XXIV. **A HISTORY** of the **GROWTH** of the **STEAM ENGINE**. By Professor R. H. THURSTON. With numerous Illustrations. Fourth Edition. 6s. 6d.

---

London: KEGAN PAUL, TRENCH, & CO., 1 Paternoster Square.

A

A

*The International Scientific Series—continued.*

---

- XXV. **EDUCATION as a SCIENCE.** By ALEXANDER BAIN, LL.D.  
Sixth Edition. 5s.
- XXVI. **The HUMAN SPECIES.** By Professor A. DE QUATREFAGES,  
Membre de l'Institut. Fourth Edition. 5s.
- XXVII. **MODERN CHROMATICS.** With Application to Art and  
Industry. By OGDEN N. ROOD. Second Edition. With 130 original Illus-  
trations. 5s.
- XXVIII. **The CRAYFISH: an Introduction to the Study of Zoology.**  
By T. H. HUXLEY, F.R.S. Fourth Edition. With 82 Illustrations. 5s.
- XXIX. **The BRAIN as an ORGAN of MIND.** By H. CHARLTON  
BASTIAN, M.D. Third Edition. With 184 Illustrations. 5s.
- XXX. **The ATOMIC THEORY.** By Professor A. WURTZ. Trans-  
lated by E. CLEMENSHAW, F.C.S. Fourth Edition. 5s.
- XXXI. **The NATURAL CONDITIONS of EXISTENCE as  
they affect Animal Life.** By KARL SEMPER. Third Edition.  
With 2 Maps and 106 Woodcuts. 5s.
- XXXII. **GENERAL PHYSIOLOGY of MUSCLES and NERVES.**  
By Prof. J. ROSENTHAL. Third Edition. With 75 Illustrations. 5s.
- XXXIII. **SIGHT: an Exposition of the Principles of Monocular and  
Binocular Vision.** By JOSEPH LE CONTE, LL.D. Second Edition. With  
132 Illustrations. 5s.
- XXXIV. **ILLUSIONS: a Psychological Study.** By JAMES SULLY.  
Second Edition. 5s.
- XXXV. **VOLCANOES: what they are and what they teach.** By  
JOHN W. JUDD, F.R.S. Third Edition. With 96 Illustrations. 5s.
- XXXVI. **SUICIDE: an Essay on Comparative Moral Statistics.**  
By Professor H. MORSELLI. Second Edition. 5s.
- XXXVII. **THE BRAIN AND ITS FUNCTIONS.** By J. LUYS.  
Physician to the Hospice de la Salpêtrière. With numerous Illus-  
trations. Second Edition. 5s.
- XXXVIII. **MYTH AND SCIENCE: an Essay.** By TITO VIGNOLI.  
Third Edition. 5s.
- XXXIX. **THE SUN.** By C. A. YOUNG, Ph.D., LL.D. Second Edition.  
With numerous Illustrations. 5s.

---

London: KEGAN PAUL, TRENCH, & CO., 1 Paternoster Square.

A

A

*The International Scientific Series—continued.*

---

- XL. ANTS, BEES, and WASPS.** A Record of Observations on the Habits of the Social Hymenoptera. By Sir JOHN LUBBOCK, Bart., M.P. Eighth Edition. With 5 Chromo-lithographic Plates, 5s.
- XLI. ANIMAL INTELLIGENCE.** By GEORGE J. ROMANES, LL.D., F.R.S. Fourth Edition. 5s.
- XLII. The CONCEPTS and THEORIES of MODERN PHYSICS.** By J. B. STALLG. Third Edition. 5s.
- XLIII. DISEASES of MEMORY.** An Essay in the Positive Psychology. By TH. RIBOT. Third Edition. 5s.
- XLIV. MAN BEFORE METALS.** By N. JOLY, Correspondent de l'Institut de France. Third Edition. With 148 Illustrations. 5s.
- XLV. THE SCIENCE of POLITICS.** By Prof. SHELDON AMOS. Third Edition. 5s.
- XLVI. ELEMENTARY METEOROLOGY.** By ROBERT H. SCOTT. Fourth Edition. 5s.
- XLVII. THE ORGANS of SPEECH.** By GEORG HERMANN VON MEYER. With 47 Illustrations. 5s.
- XLVIII. FALLACIES: a View of Logic from the Practical Side.** Second Edition. By ALFRED SIDGWICK. 5s.
- XLIX. THE ORIGIN OF CULTIVATED PLANTS.** By ALPHONSE DE CANDOLLE. 5s.
- L. JELLY FISH, STAR FISH, AND SEA URCHINS.** Being a Research on Primitive Nervous Systems. By G. J. ROMANES, LL.D., F.R.S. 5s.
- LI. THE COMMON SENSE OF THE EXACT SCIENCES.** By the late WILLIAM KINGDON CLIFFORD. Second Edition. With 100 Figures. 5s.
- LII. PHYSICAL EXPRESSION: its Modes and Principles.** By FRANCIS WARNER, M.D., F.R.C.P. With 50 Illustrations. 5s.
- LIII. ANTHROPOID APES.** By ROBERT HARTMANN. With 68 Illustrations. 5s.
- LIV. THE MAMMALIA IN THEIR RELATION TO PRIMEVAL TIMES.** By OSCAR SCHMIDT. With 51 Woodcuts. 5s.
- LV. COMPARATIVE LITERATURE.** By H. MACAULAY POSNETT, LL.D. 5s.
- LVI. EARTHQUAKES and other EARTH MOVEMENTS.** By Prof. JOHN MILNE. With 38 Figures. 5s.
- LVII. MICROBES, FERMENTS, and MOULDS.** By E. L. TROUSSART. With 107 Illustrations. 5s.
- LVIII. GEOGRAPHICAL and GEOLOGICAL DISTRIBUTION of ANIMALS.** By Prof. A. HEILPRIN. 5s.
- LIX. WEATHER: a Popular Exposition of the Nature of Weather Changes from Day to Day.** By the Hon. RALPH ABERCROMBY. With 96 Figures. 5s.

London: KEGAN PAUL, TRENCH, & CO., 1 Paternoster Square.

A

THE  
INTERNATIONAL SCIENTIFIC SERIES.

VOL. LX.