Publications received at Editor's Office, Jan. 13-25.

Aeschines against Ctesiphon (on the Crown). Ed. by R. B. Richardson. Boston and London, Ginn. 279

R. B. Richardson. Boston and London, Ginn. 279
p. 12°. \$1.50.
BOARD of Trade Journal. Vol. I. No. 1. m. Providence, R. I. 36 p. f°. \$2 per year. Little & Bosworth.

CAMPBELL, W. M. Foot-Prints of Christ. New York, Funk & Wagnalls. 375 p. 8°.

COKE, M. W. The Human Mystery in Hamlet: An Attempt to Say an Unsaid Word, New York, Fords, Howard & Hulbert. 135 p. 12°. \$1.

DAVIS E. H. The Second Reading-Book. Philadelphia, Lippincott. 208 p. 12°. 40 cents

EVOLUTION. Popular Lectures and Discussions before the Brooklyn Ethical Association. Boston, J. H. West. 400 p. 12°. \$2.

GILMORE, J. R., and ABBOTT, L. The Gospel Commentary. New York, Fords, Howard, & Hulbert. 840 p. 16°. \$1.50.

West. 400 p. 12°. \$2.
GIMORE, J. R., and ABBOTT, L. The Gospel Commentary. New York, Fords, Howard, & Hulbert. \$40 p. 16° \$1.50.
HOPTON, W. Conversation on Mines, etc., between a Father and Son. Philadelphia, Lippincott. 326 p. 12°. \$1.25.
HORNADAY, W. T. The Extermination of the American Bison Washington, Government. 180 p. 8°.
HOWLAND, G. Practical Hints for the Teachers of Public Schools. New York, Appleton. 198 p. 16°.
KANSAS. List by Counties of Newspapers and Periodicals published in, Jan. 1, 1889. Compiled by F. G. Adams. Topeka, State. 38 p. 8°.
MASON, W. P. Notes on Qualitative Analysis. 2d ed. Troy, N. Y., Nims & Knight. 44 p. 8°.
MERRIMAN, M., and JACOBY, H. S. A Text-Book on Roofs and Bridges. Part II. Statics. New York, Wiley. 124 p. 8°. \$2.50.
MOOREHEAD, W. K. Fort Ancient. Cincinnati, Robert Clarke & Co. 129 p. 8°. \$2.
OSTROM, K. W. Massage and the Original Swedish Movements; their Application to Various Diseases of the Body. Philadelphia, Blakiston. 97 p. 12°. 75 cents.

of the Body. Philadelphia, Biakiston. 9/ P. 2. 75 cents.

PRINSYLVAN'A Geological Survey. Atlas Eastern Middle Anthracite Liebt. Part I. Harrisburg. State. 8°.

— Atlas Northers Anti-racite Field. Put V. Harrisburg, State. 8°.

— Atlas Southern Anthracite Field. Part II. Harrisburg, State. 8°.

PHARAOH, An Appeal to: The Negro Problem, and its Radical Solution. New York, Fords, Howard, & Hulbert. 205 p. 12°. \$1.

RIBOT, T. The Psychology of Attention. Authorized translation. Chicago Open Court Publ. Co. 121 p. 12°. 75 cents.

translation. (

To CHEMISTS, **MANUFACTURERS**

and ENGINEERS.

TECHNOLOGY; CHEMICAL

CHEMISTRY IN ITS APPLICATION TO ARTS AND MAN-UFACTURES. Edited Charles Edward Groves, F.R.C., and William Thorp, B.Sc.

VOL. I. NOW READY.

FUEL AND ITS APPLICATIONS.

By E J. Mills, D.Sc., F.R.S., and F. J. Rowan, C.E., assisted by others, including Mr. F. P. Dewey, of the Smithsonian Institute, Washington, D.C.

Plates and 607 other illustrations. Royal octavo pages xx + 802. Half-Morocco, \$9. Cloth, \$7.50.

MAILED POSTPAID ON RECEIPT OF PRICE.

N. D. C. Hodges, 47 Lafayette Place,

NEW YORK

NOW IN PRESS. "FORT ANCIENT."

A large work of 200 pp, with 35 full-page illustrations on the greatest of all Ohio Valley Earthworks, and similar enclosures.

By Warren K. Moorehead, assisted by scientists from Washington.

It is complied from a careful survey and is correct in all details.

The entire summer was spent in surveying, excavating, photographing and preparing this work.

Fort Ancient consists of 18,712.2 feet of embankment, and in size, state of preservation and importance as an aboriginal fortification is unequalled in this country.

Price of book, \$2 00.

It will be ready for sale Jan. 10, 1890.

Illustrated prospectus mailed free to any address. Send for one.

WARREN K. MOOREHEAD, Smithsonian Institution, Washington, D.C. Published by Robt. Clarke & Co, Cincinnati.

Correspondence solicited with parties seeking publishers for scientific books.

N. D. C. HODGES.

Publisher of Science,

47 Lafayette Place,

New York.

FUST PUBLISHED.

POPULAR MANUAL OF VISIBLE SPEECH AND VOCAL PHYSIOLOGY.

For use in Colleges and Normal Schools. Price 50 cents. Sent free by post by

N. D. C. HODGES, 47 Lafayette Place, New York.

LONGMANS, GREEN

SELECTED LIST OF BOOKS PUBLISHED DURING 1889.

SCIENCE.

BENNETT AND MURRAY. A Handbook of Cryptogamic Botany. By Alfred W. Bennett, M.A., B.Sc., F.L.S. Lecturer on Botany at St. Thomas' Hospital, and George Murray, F.L.S., Senior Assistant, Department of Botany, British Museum, and Examiner in Botany, Glasgow University. With 378 illustrations. 8vo, \$5.00.

HARRISON. The Creation and Physical Structure of the Earth. By John Thornhill Harrison, F.G.S., M.Inst.C.E. Crown 8vo, \$9.50.

HUDSON AND GOSSE. The Rotifera; or, Wheel-Animal-cules. By C. T. Hudson, LL.D., Cantab., F.R.S., assisted by P. H. Gosse, F.R.S. Supplement, 4to, 64 pages. With plates XXXI. to XXXIV. Paper covers, \$4.00.

Paper covers, \$4.00.

IRVING. Physical and Chemical Studies in Rockmetamorphism, based on the thesis written for the D.Sc. Degree in the University of London, 1888. By the Rev. A Irving, D.Sc. London, Senior Science Master at Wellington College 8vo, \$1.75.

SMITH. Graphics; or, The Art of Calculation by Drawing Lines, applied especially to Mechanical Engineering. By Robert H. Smith, Professor of Engineering, Mason College, Birmingham, etc Part I. With separate (4to) atlas of 29 plates, containing 97 diagrams. 8vo, \$5.

WATTS' DICTIONARY OF CHEMISTRY. Revised and entirely rewritten by H. Foster Morley, M.A., D.Sc., and M. M. Pattison Muir, M.A., F.R.S., assisted by eminent contributors. To be completed in four vols., 8vo. Vols. I. and II., half bound, each \$14.50.

ECONOMICS AND SOCIAL SCIENCE.

BAGEHOT. A Practical Plan for Assimilating the English and American Money as a Step Towards a Universal Money. By the late Walter Bagehot. Reprinted from the Economist, with additions and a preface. Second edition. Crown 8vo, 75 cents.

BAKER. War with Crime: being a Selection of Reprinted Papers on Crime, Prison Discipline, etc. By the late T. Barwick Ll. Baker Edited by Herbert Philips and Edmund Verney. With portrait from a drawing by G. Richmond, R. A. Etched by C. W. Sherborne. 8vo, \$4.00.

G. Michimond, R.A. Etched by C. W. Sherborne. 8vo, \$4.00.

CRUMP. An Investigation into the Cause of the Great Fall in Prices which Took Place Coincidently with the Demonetization of Silver by Germany. By Arthur Crump. 8vo, \$2.

MACLEOD. The Theory of Credit. By Henry Dunning Macleod, M.A., of Trinity College, Cambridge, and the Inner Temple. Vol. I., 8vo, \$2.50.

THOMPSON. Social Progress: An Essay. By Daniel Greenleaf Thompson. 8vo, \$2.00.

EDUCATIONAL.

EDUCATIONAL.

ARNOLD. A Manual of English Literature. Historical and Critical. By Thomas Arnold, M.A. New edition. Crown 8vo, \$2.00.

CASEY. A Treatise on Spherical Trigonometry. By John Casey, LLD., F.R.S. Crown 8vo, \$1.50.

CHISHOLM. Handbook of Commercial Geography. By G. G. Chisholm, M.A., B.Sc. 8vo, \$5.00.

GIBSON. A Text-Book of Elementary Biology. By R. J. Harvey Gibson, M.A., Fellow of the Royal Society of Edinburgh. Illustrated with 192 engravings. Crown 8vo, \$1.75.

GRAHAM. Elementary Algebra. With Numerous Examples and Exercises. By Robert Graham, M.A., T.C.D. Crown 8vo, \$150.

LONGMAN'S Elementary Science Manuals. A Series of Works in

LONGMAN'S Elementary Science Manuals. A Series of Works in General Science for School and College Use. New vols.:

Building Construction. By Edward J. Burrell. With 303 working drawings. 12mo, 80 cents.

Elementary Chemistry. Inorganic and Organic. By W. Furneaux, F.R.G.S. 12mo, 80 cents.

Elementary Physiology. 218 woodcuts. By W. Furneaux, F.R.G.S. 12mo. 80 cents.

Steam. By Professor W. Ripper, the Technical Schools, Sheffield. 80

Physics: including Magnetism, Electricity, Sound, Heat, Light. By Mark R. Wright. 80 cents.

Electricity and Magnetism. By A. W. Poyser, B.A. 12mo, 80

cents.

LONGMAN'S Handbook of English Literature. By R. McWilliam, B.A. Part I. From the Earliest Times to Chaucer. Crown 8vo, 30 cents. Part II. From Chaucer to Shakespeare. Crown 8vo, 30 cents.

LONGMAN'S New Atlas: Political and Physical. Consisting of 40 quarto and 16 cotavo maps and diagrams, besides insets and 16 quarto plates of views, etc. Edited by George C. Chisholm, M.A., B.Sc., Fellow of the Royal Geographical and Statistical Societies. Imp. 8vo, \$4.00.

WARREN. An Elementary Treatise on Mechanics. By Rev. Isaac Warren, M.A., Trinity College, Dublin. Part I. Statics. 12mo, \$1.

TRAVEL.

CURZON. Russia in Central Asia in 1889: and the Anglo-Russian Question. By the Hon. George N. Curzon, M.P., Fellow of All Souls' College, Oxford. With 16 full-page illustrations, 37 illustrations in the text, maps, appendices, and an index. 8vo, \$6.00.

THOMSON. Travels in the Atlas and Southern Morocco. A Narrative of Exploration. By Joseph Thomson, F.R.G.S., author of "Through Masai-land." With 68 illustrations of life and scenery in Morocco, together with six maps. Crown 8vo, cloth, \$3.00.

Messrs. Longmans, Green & Co. will be happy to send their New General Catalogue upon application.