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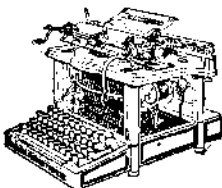
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the Government of South Australia. Adelaide: Printed by C. E. Brostow. 1901. Pp. xv., 81.

"DIFFERENTIAL" '03. Case School of Applied Science. Pp. 178. Square 8vo. PAINT AND COLOR MIXING. By Arthur Seymour Jennings. London: E. & F. N. Spon, Ltd. New York: Spon & Chamberlain. 1902. Pp. 94.

AMERICAN FOOD AND GAME FISHES. A Popular Account of All the Species Found in America North of the Equator. With Keys for Ready Identification, Life Histories and Methods of Capture. By David Starr Jordan, Ph.D., and Barton Warren Evermann, Ph.D. New York: Doubleday, Page & Co. 1902. Large 8vo. Pp. xlix., 573. Price \$4.

The names of Prof. David Starr Jordan and Prof. Barton Warren Evermann are in themselves a sufficient guarantee of the high character of this book. As it stands, the work comprises what might be termed a popular manual of ichthyology. The publishers have seen to it that the book has appeared in a most admirable dress. The printing is excellent and the illustrations good and clear.

PRINCIPLES OF SANITARY SCIENCE AND THE PUBLIC HEALTH. By William T. Sedgwick, Ph.D. New York: The Macmillan Company. London: Macmillan & Co., Ltd. 1902. Pp. xix., 368. 8vo. Price \$3.

The present volume is the direct outgrowth of a course of lectures on sanitary science and public health given for several years by the author to senior students of the Massachusetts Institute of Technology. The volume deals with the principles rather than the arts of sanitation, and is intended to be no more than an elementary treatise on the subject. It contains, however, some new material and some old material treated from new points of view. The author tells us he has chiefly sought to bring together and to present in a simple and logical form the fundamental scientific principles on which the great practical arts of modern sanitation rest.

LIGHTING BY ACETYLENE. A Treatise for the Practical Lighting Engineer. By Frederick Dye, M.R.I. London: E. & F. N. Spon, Ltd. New York: Spon & Chamberlain. 1902. 12mo. Pp. xii., 188. Price \$2.50.

Mr. Dye has prepared a short book which may be said to contain the most recent information that has been gathered on the subject of acetylene gas. The book's chief merit is its terseness. The illustrations might be improved, although the appearance of the work on the whole is good.

ARCHITEKTONISCHE HOCHBAUMUSTERHEFTE. Sammlung XI., 1. Teil. Moderne Einfamilienhäuser und Villen. Leipzig: Carl Scholtze. 16 plates with description.

This installment of a well-known work deserves the consideration of American architects. The plans and elevations presented are well designed and exhibit architectural ideas, many of which are new in this country.

HANDBOOK FOR RAILWAY ENGINEERS. By H. B. Andrews, C.E. Boston and New York: John Wiley & Sons. 1902. 32mo. Pp. 202. Price \$1.25.

This is another handbook added to the constantly increasing list. It contains the usual geometrical and trigonometrical formulæ, and gives transition curve tables, track construction tables, strength of wooden beams and columns, electrical formulæ and tables, and in general, information that is of service in street railway designs and street railway maintenance.

EXPERIMENTS IN AERODYNAMICS. By S. P. Langley. Second Edition. Washington: Published by the Smithsonian Institution. 1902. Large 4to. Pp. 115.

The value of Prof. Langley's contributions to aerodynamics and the influence which his own experiments in solving the problem of artificial flight have had upon the investigators cannot be over-appreciated. In the handsome volume which lies before us, Prof. Langley has presented with a clearness, conciseness, and, above all, with a modesty that is characteristic of him, the results of the very elaborate investigation which he carried out. We regret that the very limited amount of space at our disposal prevents us from devoting to the work a review commensurate with its importance.

THE NAVIGATOR OR MARINERS' GUIDE. A Handy Reference Work for the Use of Navigators, Yachtsmen and Students of Navigation. Explaining How to Find Latitude and Longitude by Observation and Many Other Useful Calculations and Tables. By Capt. R. M. Pugsley. Published by New Jersey Paint Works. Pp. 152. Price \$2.

This is one of the handiest guides that has ever come to our notice. It gives just the kind of information that the amateur yachtsman wants. We are sorry to see, however, that its pages are liberally interspersed with advertising matter that might well have been relegated to the end of the book.

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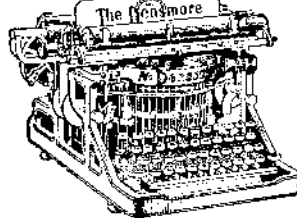


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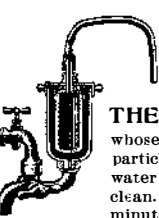
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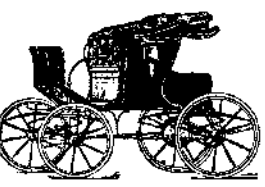


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