

as the student is presumed to be sufficiently familiar with them and their meaning. How useful the book may prove can only be determined by experience; but many pupils will be interested in thus tracing the various derivatives of a given stem. There is one serious defect in the execution of the work. The pages are encumbered with long notes, sometimes filling half a page, about such things as the atmosphere, gravity, gladiatorial shows, etc.—notes which are sadly out of place in a dictionary. We noticed also some inaccuracies, such as calling the Latin *honestus* Greek, and the Greek *laos* Latin. The work is illustrated by numerous quotations, mostly in verse.

*An Elementary History of the United States.* By CHARLES MORRIS. Philadelphia, Lippincott. 12°. 60 cents.

THIS work covers the whole period of American history from the discovery of the continent to the present time; and yet it is all crowded into two hundred and forty pages. The natural result is that the narrative is too much condensed, and contains too much detail for so short a work. This is the common fault of brief histories, and not only renders them less interesting than they might be, but also tends to obscure the main outlines of the subject. Apart from this defect, however, Mr. Morris's work is pretty well done. We like in particular the attention he gives to the social life of the people and the progress of industry,—matters that are not only important in themselves, but also interesting to young people. The book is illustrated with both pictures and maps.

#### AMONG THE PUBLISHERS.

THE September issue of the *Contemporary Review* will contain an article covering some twenty-three pages, by Rudyard Kipling, entitled "The Enlightenment of Pagett, M.P.," which, in the form of a story, is a trenchant criticism on the National Con-

gress movement in India. The *Contemporary* is published in America by the Leonard Scott Publication Company at 40 cents per number.

—Messrs. Houghton, Mifflin, & Co. announce that they will have ready for publication in the early part of September a book by John Fiske, entitled "Civil Government in the United States, considered with some Reference to its Origins." In this book Mr. Fiske aims to set forth the principles and methods of civil government as understood and exemplified in the republic of the United States and in the several States; and he traces the rise and development of the various forms of government of towns, counties, cities, states, and the nation, with their relations to one another. Although of great interest to the general reader, the book is designed primarily for use in schools; and to make it still more practicable for this purpose, there have been added at the end of each section questions on the text, and at the end of each chapter suggestive questions and directions "designed to stimulate reading, investigation, and thought." These questions and suggestions have been prepared with great care by Frank A. Hill, the head master of the English High School at Cambridge, Mass. Mr. Fiske has also added a bibliographical note at the end of each chapter.

—The most important article in the *Political Science Quarterly* for September is that on "State Control of Corporations," by George K. Holmes. It is an account of what has been done in Massachusetts toward securing the rights of the public against corporations of every description, and is a very encouraging exhibit. The Massachusetts method consists in the maintenance of commissions whose duty it is to hear complaints, settle disputes when possible, and give advice to the Legislature on the one hand, and to the corporations on the other. This method has proved very successful in protecting the public against abuses; and, in Mr. Holmes's opinion, it only needs to be extended to trade com-

Publications received at Editor's Office,  
Aug. 25—Sept. 6.

- DIEHL, Mrs. Anna Randall. *A Practical Delsarte Primer.* Syracuse, N.Y., C. W. Bardeen. 66 p. 16°.
- HAYWARD, R. B. *The Elements of Solid Geometry.* London and New York, Macmillan. 190 p. 16°. 75 cents.
- HEALTH for Little Folks. New York, Cincinnati, and Chicago, Amer. Book Co. 121 p. 12°.
- KENNEDY, J. *A Stem Dictionary of the English Language.* New York, Amer. Book Co. 382 p. 8°.
- MILNE, J. J., and DAVIS, R. F. *Geometrical Conics. Part I. The Parabola.* London and New York, Macmillan. 72 p. 12°. 60 cents.
- MORRIS, C. *An Elementary History of the United States.* Philadelphia, Lippincott. 250 p. 12°. 60 cents.
- ORPHEUS, The. Vol. I. No. 1. Aug. 15, 1890. St. Paul, Minn., Orpheus Publ. Co. 16 p. f°. \$1 per year.
- PRESTON, T. *The Theory of Light.* London and New York, Macmillan. 465 p. 8°. \$3.25.
- THRUSTON, G. P. *The Antiquities of Tennessee and the Adjacent States.* Cincinnati, Robert Clarke & Co. 369 p. 8°. \$4.
- U. S. DEPARTMENT OF AGRICULTURE. *Report on the Substitution of Metal for Wood in Railroad Ties,* by E. E. R. Tratman, C.E., together with a Discussion on Practicable Economies in the Use of Wood for Railway Purposes, by B. E. Fernow. Washington, Government. 363 p. 8°.

#### CAN THE MOSQUITO BE EXTERMINATED?

THE LAMBORN PRIZE ESSAYS.

#### DRAGON-FLIES VS. MOSQUITOES.

8vo, cloth. Illustrated. \$1.50.

D. APPLETON & CO., 1, 3 & 5 Bond St., N. Y.

**BOOKS: How to Sell them.** Send a list, stating condition, edition, etc., to Science Book Agency, 47 Lafayette Place, New York.

#### MACMILLAN & CO.'S NEW BOOKS ON CHEMISTRY.

##### Outlines of General Chemistry.

By WILHELM OSTWALD,

Professor of Chemistry in the University of Leipzig.

Translated, with the author's sanction, by

JAMES WALKER, D.Sc., Ph.D.,

Assistant in the Chemical Department, University of Edinburgh. 8vo, \$3.50.

"This book has been written mainly to supply a want felt in my own teaching experience. It is designed to meet the requirements of the student who, while not intending to devote himself to the detailed study of General Chemistry, still wishes to follow intelligently the progress recently made in this important branch of science. I have abstained as far as possible from the use of mathematical formulae, and have always striven after clearness of exposition.

"Within the last three or four years an enormous advance has been made in chemistry by the theories of solution and of electrolytic dissociation, due respectively to Van't Hoff and Arrhenius. I hope not only to have rendered a service to students by the elementary exposition of these epoch-making theories and the experiments on which they are based, but also to have contributed towards their general recognition amongst my fellow-workers—a recognition which can scarce be longer delayed."—*From the Author's Preface.*

New and Revised Edition, Now Ready.

##### Lessons in Elementary Chemistry, INORGANIC AND ORGANIC.

By SIR HENRY E. ROSCOE, D.C.L.,  
LL.D., F.R.S.,

Professor of Chemistry in Owens College, Manchester. 16mo. With numerous Illustrations. Cloth, \$1.10.

"As a standard general text book it deserves to take a leading place."—*Spectator.*

"We unhesitatingly pronounce it the best of all our elementary treatises on chemistry."—*Medical Times.*

MACMILLAN & CO., 112 4th Avenue, N. Y.

#### PRACTICAL ELECTRICAL NOTES AND DEFINITIONS.

For the use of engineering students and practical men by W. P. MAXCOK, together with Rules and Regulations to be observed in Electrical Installation Work, with diagrams. 130 pages, 32mo, cloth, 60 cts. E. & F. N. SPON, 12 Cortlandt St., New York.

READY SEPT. 20.

#### RACES AND PEOPLES.

By DANIEL G. BRINTON, M.D.

This book is a review of the whole domain of ethnography, with particular attention to the white or European race, the Aryan peoples, their origin and distribution. The latest opinions of the leading European scholars have been consulted, but the work is largely the result of independent research, and does not follow any especial school of ethnographers.

Price, postpaid, \$1.50.

N. D. C. HODGES,  
47 Lafayette Place, N. Y.

Old and Rare Books.

Back numbers Atlantic, Century, Harper, and Scribner, 10 cents per copy, other magazines equally low. Send for a catalogue.

A. S. CLARK,

Bookseller,

34 Park Row, New York City.

BACK NUMBERS and complete sets of leading Magazines. Rates low. AM. MAG. EXCHANGE, Schenectady, N.Y.

binations to be a complete success. Another interesting paper in the *Quarterly* is a sketch of "German Historical Jurisprudence," by Ernst Freund, giving a clear though brief account of the rise and progress of juristic studies in Germany. Mr. Fred. Perry Powers, in a paper on "Recent Centralizing Tendencies in the Supreme Court," contends that the Court has gone too far in claiming for Congress power over interstate commerce. Professor Seligman continues his series of articles on "The Taxation of Corporations;" Professor Ashley has a somewhat elaborate review of Charles Booth's work on "East London;" and there is also an article by William Chauncy Langdon on "Italy and the Vatican," which is mainly devoted to setting forth the views and policy of the late Baron Ricasoli. On the whole, this number of the *Quarterly* is a good one; and yet we feel bound to say that there is very little in it that can properly be termed scientific. The majority of the articles are on questions of practical politics, and only one or two of them deal with really scientific problems.

—The Forest and Stream Publishing Company (New York) announce for immediate issue "House and Pet Dogs; their Selection, Care, and Training." It is written by a woman. The same firm will publish at once "The Spaniel and its Training."

—The Putnams have published "The Pleroma, a Poem of the Christ," by Rev. E. P. Chittenden, consisting of two parts. The first part is an imaginary account of the creation of the world, which is performed by the "Pleroma," or fulness of the Godhead, while the "Circles," the "Bands," the "Limits," and other fanciful beings, look on and sing. The days of creation are made to represent the successive geologic ages, the scenery of which is illustrated by numerous pictures. The second book treats of "Christ in History," beginning with the Garden of Eden. The author expresses the hope that his book will "find favor among Christian students of science and scientific students of Christianity;" but why it should do so we are unable to see, for it is neither

poetical nor scientific, and is wholly devoid of moral significance. You may read pages of it without finding an idea; and the book is not in any sense an addition to literature.

—Jules Verne's latest story of travel and adventure, "Cæsar Cascabel," will be published early in the fall by the Cassell Publishing Company, who have made an arrangement with the author to that end.

—Messrs. Ginn & Co. announce to be ready this month "A Hygienic Physiology," for the use of grammar and common schools, by B. F. Lincoln, M.D., late secretary of the Medical Department of the American Social Science Association, author of "School and Industrial Hygiene," etc. The chief object of this book is to present the laws of health as fully as pupils fourteen or fifteen years old can be expected to understand, appreciate, and apply them. The distinctive feature of the work is thus its putting hygiene first, and making anatomy and physiology tributary, instead of making anatomy and physiology the main things, and introducing hygiene incidentally. Enough of the theoretical is in all cases given to supply a basis for the practical; but it is given with a varying fulness, according to the nature of the topic under consideration. Thus, under the head of "Bones," the anatomy and physiology take up most of the chapter, while the anatomy of the digestive organs is treated but briefly, the chief attention being directed to food, ways of cooking and eating, etc. Exercise, sleep, bathing, ventilation, and kindred subjects are carefully treated. Alcoholic beverages have a chapter to themselves; but additional remarks, if they seem called for, are given at the end of the chapters on other subjects. It has been the writer's endeavor to present this matter wisely and truthfully, and it is believed that his views are in harmony with the opinions of the recognized leaders of modern medicine, and avoid the dangers of distrust and re-action which attend over-statement.

# Dyspepsia

## Horsford's Acid Phosphate.

In dyspepsia the stomach fails to assimilate the food. The Acid Phosphate assists the weakened stomach, making the process of digestion natural and easy.

Dr. R. S. McComb, Philadelphia, says: "Used it in nervous dyspepsia, with success."

Dr. W. S. LEONARD, Hinsdale, N. H., says:

"The best remedy for dyspepsia that has ever come under my notice."

Dr. T. H. ANDREWS, Jefferson Medical College, Philadelphia, says:

"A wonderful remedy which gave me most gratifying results in the worst forms of dyspepsia."

Descriptive pamphlet free.

Rumford Chemical Works, Providence, R. I.

Beware of Substitutes and Imitations.

**CAUTION.**—Be sure the word "Horsford's" is printed on the label. All others are spurious. Never sold in bulk.

## IMPROVED OIL LIGHT MAGIC LANTERNS.

Also Lime and Electric Light Apparatus, and mechanical, plain, and fine colored views.

J. B. COLT & CO., Manufacturers,  
No 16 BEEKMAN STREET, NEW YORK.

### FREE.

#### OUR 100 PP. CATALOGUE OF MINERALS.

Illustrated with 57 cuts, and containing (a) Scientific Papers and Notes, 41 pp.; (b) A Classified List of All Mineral Species, giving chemical composition and crystallographic form, 31 pp.; (c) An Alphabetical Index of some 3,000 mineralogical names. Paper-bound copies free to those mentioning this journal; handsome cloth-bound copies, 25 cents, postpaid. GEO. L. ENGLISH & CO., Dealers in Minerals, 1512 Chestnut street, Philadelphia; 739 & 741 Broadway, New York.

Have you a friend who, for fashion's sake, submits to physical deformity? Would he or she not be interested in Professor Flower's "Fashion in Deformity?"

Sent postpaid on receipt of 50 cents.

## SCIENCE BOOK AGENCY

47 Lafayette Place, New York.

## A New Method of Treating Disease.

### HOSPITAL REMEDIES.

What are they? There is a new departure in the treatment of disease. It consists in the collection of the specifics used by noted specialists of Europe and America, and bringing them within the reach of all. For instance, the treatment pursued by special physicians who treat indigestion, stomach and liver troubles only, was obtained and prepared. The treatment of other physicians celebrated for curing catarrh was procured, and so on till these incomparable cures now include disease of the lungs, kidneys, female weakness, rheumatism and nervous debility.

This new method of "one remedy for one disease" must appeal to the common sense of all sufferers, many of whom have experienced the ill effects, and thoroughly realize the absurdity of the claims of Patent Medicines which are guaranteed to cure every ill out of a single bottle, and the use of which, as statistics prove, *has ruined more stomachs than alcohol*. A circular describing these new remedies is sent free on receipt of stamp to pay postage by Hospital Remedy Company, Toronto, Canada, sole proprietors.

## OF WHAT USE IS THAT PLANT?

You can find the answer in

## SMITH'S "DICTIONARY OF ECONOMIC PLANTS."

Sent postpaid on receipt of \$2.80. Publisher's price, \$3.50.

## SCIENCE BOOK AGENCY,

47 Lafayette Place, New York.

THE *Medical Press*, July 30, 1890, says that on July 26 a girl nineteen years old died at Plaisance, near Paris. This girl was of an enormous size. A year ago she was weighed, and was found to exceed 470 pounds, and since then she had considerably increased. Around her waist she measured two yards and a half, while the circumference of her arm exceeded one yard. She succumbed to erysipelas.

## CATARRH.

### Catarrhal Deafness—Hay Fever.

A NEW HOME TREATMENT.

Sufferers are not generally aware that these diseases are contagious, or that they are due to the presence of living parasites in the lining membrane of the nose and eustachian tubes. Microscopic research, however, has proved this to be a fact, and the result of this discovery is that a simple remedy has been formulated whereby catarrh, catarrhal deafness and hay fever are permanently cured in from one to three simple applications made at home by the patient once in two weeks.

N.B.—This treatment is not a snuff or an ointment; both have been discarded by reputable physicians as injurious. A pamphlet explaining this new treatment is sent free on receipt of stamp to pay postage, by A. H. Dixon & Son, 337 and 339 West King Street, Toronto, Canada.—*Christian Advocate*.

Sufferers from Catarrhal troubles should carefully read the above.

## A TEMPORARY BINDER

for *Science* is now ready, and will be mailed postpaid on receipt of 75 cents.



This binder is strong, durable and elegant, has gilt side-title, and allows the opening of the pages perfectly flat. Any number can be taken out or replaced without disturbing the others, and the papers are not mutilated for subsequent permanent binding. Filed in this binder, *Science* is always convenient for reference.

Temporary binders of the same description but without side title, to fit any paper or periodical of ordinary size, will be mailed postpaid on receipt of price as given below. In ordering, be sure to give the name of paper or periodical and style of binder.

8 to 12 inches long, cloth, \$0.50; leather, \$0.60.	
12 " 14 " " " 60 " 75.	
14 " 17 " " " 75 " 1.00.	
17 " 19 " " " 1.00 " 1.25.	

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



## DO YOU INTEND TO BUILD?

We offer an Atlas of Sensible Low Cost Houses, a portfolio 11x14 inches, containing handsome illustrations, floor plans, and full descriptions of this popular design, and fifty-four others, ranging in cost from \$800 to \$7,200. This specimen design is for a cottage with seven rooms, and costing \$1,100. It combines beauty and comfort, has two large porches, and is a popular and practical working design, having been built several times for its estimated cost.

No matter what style of a house you may intend to build, it will pay you to have this book.

We will send this Atlas, postpaid, on receipt of price, \$1.—N. D. C. Hodges, 47 Lafayette Place, New York.

N. D. C. HODGES, 47 Lafayette Pl., New York,  
Announces as Just Published

## Fact and Theory Papers

### THE SUPPRESSION OF CONSUMPTION.

By GODFREY W. HAMBLETON, M.D. 12°. 40c.

"The inestimable importance of the subject, the eminence of the author and the novelty of his work all combine to render the little treatise worthy of special consideration. We heartily commend Dr. Hambleton's booklet and wish there were more such works."—*Editorial, Boston Daily Advertiser*.

"The monograph is interesting in style, scholarly, and well worth of careful consideration. It is devoid of technical expressions, and can be easily read and digested."—*Pharmaceutical Era*.

"It is full of facts and wisdom."—*Philadelphia Saturday Evening Post*.

"The book contains much of importance to the medical fraternity, as well as the general populace."—*Burlington Hawkeye*.

"We commend the book to physicians and laymen."—*Herold (German), Milwaukee*.

### THE SOCIETY AND THE "FAD."

By APPLETON MORGAN, Esq. 12°. 20 cents.

"Mr. Morgan founds a sensible and interesting address upon a text furnished by a sentence from a young ladies' magazine; namely, 'Browning and Ibsen are the only really dramatic authors of their century.'"—*New York Sun*.

"In the little book before us the treatment of the subject is dispassionate and logical. The comparison drawn throughout this monograph is between Shakespeare and Browning, the subject-matter being largely based on the Browning and Shakspearian societies and how they came to exist. A pleasant half-hour or more may be spent over the book, and some useful information derived from it."—*Englewood Times*.

"To say nothing of the dissection of Browning, the vivid side-lights thrown upon Shakespeare's life and work make the reading of this volume at once a pleasure and a source of instruction."—*Chicago Evening Journal*.

### PROTOPLASM AND LIFE.

By C. F. Cox. 12°. 75 cents.

The author of this book was for some years president of the New York Microscopical Society, and in this volume he sets forth his views on the spontaneous generation theory and its relation to the general theory of evolution, and on protoplasm and the cell doctrine.

### THE TORNADO.

By H. A. HAZEN. 12°. \$1.

Professor Hazen is one of the prominent meteorologists connected with the United States Signal Office. In this work he reviews our present information as to tornadoes, severely criticising some of the opinions held in regard to them up to this time. No one has given a more careful study to these destructive storms than has Professor Hazen, and his book will prove a decided contribution to the world's knowledge. In this book will be found a careful discussion of the important question of Tornado Insurance now attracting so much attention. Hundreds of dollars may be saved by people who are thinking of such insurance by following the principles here made plain.

Ready at an early date.

### THE CHEROKEES IN PRE-COLUMBIAN TIMES

By CYRUS THOMAS. 12°. \$1.

Dr. Thomas in this work will reverse the usual method of dealing with prehistoric subjects; that is to say, he will commence with the earliest recorded history of the tribe as a basis, and trace the chain back step by step by the light of the mounds, traditions, and other evidence, as far as possible. He has already presented to the public some reasons for believing the Cherokees were mound-builders, but additional evidence bearing on the subject has been obtained. A more careful study of the Delaware tradition respecting the Tallegwi satisfies him that we have in the Bark Record (Walam Olum) itself proof that they were Cherokees. He thinks the mounds enable us to trace back their line of migration even beyond their residence in Ohio to the western bank of the Mississippi. The object is therefore threefold: 1. An illustration of the reverse method of dealing with prehistoric subjects; 2. Incidental proof that some of the Indians were mound-builders; 3. A study of a single tribe in the light of the mound testimony. This work will be an important contribution to the literature of the Columbian discovery which will doubtless appear during the coming two years.

**BOOKS: How to get them.** If there is any book or pamphlet that you want, write to the Science Book Agency, 47 Lafayette Place, New York.

## Wants.

Any person seeking a position for which he is qualified by his scientific attainments, or any person seeking some one to fill a position of this character, be it that of a teacher of science, chemist, draughtsman, or what not, may have the 'Want' inserted under this head FREE OF COST, if he satisfies the publisher of the suitable character of his application. Any person seeking information on any scientific question, the address of any scientific man, or who can in any way use this column for a purpose consonant with the nature of the paper, is cordially invited to do so.

**WANTED.**—A specialist in chemistry (an American) desires a position as instructor in chemistry; as assistant or in full charge of department; would accept a lucrative position in physical sciences; studied at Göttingen, Germany; degree Ph.D.; two years' experience as teacher of chemistry. Address DOCENT, P. O. Box 1151, Brockton, Mass.

**WANTED.**—Advertisements of text-books and good standard works on Natural History, for stocking a library. Add price. Address M. D. SULLIVAN, St. Louis University, St. Louis, Mo.

**WANTED.**—Science teacher at the State Normal School, Winona, Minn. Address the President, IRWIN SHEPARD.

**WANTED.**—Index to Vol. VIII. and a copy of No. 205 of SCIENCE. Ten cents will be paid for a copy of either of these if in good condition. Publisher of SCIENCE, 47 Lafayette Place, New York.

**TO PRINCIPALS OR COMMITTEES.**—Professor of Classics and Sciences, experienced in advertising and building up schools, now employed, desires change. WILLIAM, Roslyn, L. I.

**WANTED.**—A graduate from the Advanced Course of the Framingham State Normal School desires an assistant's position in a high school. An appointment in New England preferred. Address G., Lock Box 4, Framingham, Mass.

**HYBRIDS.**—A. M. Suchetet, 10 Rue Alain, Rouen, France, desires to correspond with those possessing hybrids, either living specimens or stuffed, of mammals, birds or other animals.

**WANTED.**—A Mining Engineer of standing and experience. One having had practical experience in Coal Mining and the manufacture of Coke preferred. Address A., care "SCIENCE."

**CHEMIST.**—A Harvard Graduate and Specialist in Chemistry desires a position with some manufacturing industry, or with a practical chemist. He would make an engagement to take charge of a laboratory and lecture on Chemistry. He has had large experience in the laboratory and school-room, and can give the best of references. Address J., Harvard College, Cambridge, Mass.

**WANTED.**—A Lady Teacher, at present teaching in England, with 12 years of very successful experience in primary work, desires a similar position in America. An appointment in the State of Ohio, or the City of New York, preferred. Excellent references, etc. Address in July or August, L. DUNCAN, Poste Restante, Stainland, Halifax, England.

## Exchanges.

[Free of charge to all, if of satisfactory character. Address N. D. C. Hodges, 47 Lafayette Place, New York.]

For exchange—minerals and fossils, including ores, corals, Mazon Creek nodules for other minerals and fossils or historical relics. Tertiary specimens desirable. Address T. N. Glover, Lock Box 19, Suffern, N. Y.

I wish to exchange Riley's Missouri Reports, either singly or full set, for Proceedings Entomological Society, Philadelphia, vols. 2 to 6 inclusive. Will also exchange Casey's Revision of the *Stenini* of N. A. and Horn's Revision of the *Tenebrionidae*. F. M. Webster, La Fayette, Ind.

I wish to exchange a fresh and complete set of Weiss and Spier's "Necropolis of Ancon" for other books, either new or second-hand, if the latter are in good condition. What have you to offer? Address Warren Watson, Kansas City, Mo.

1,000 botanical specimens representing 250 genera in exchange for those not in my collection. Send list of duplicates, and receive a similar one to choose from. Address E. E. Bogue, Orwell, Ashta C., Ohio.

For exchange—14 volumes (1883-1889) American Journal of Science, 10 volumes (1880-1889) American Naturalist, 21 volumes (1879-1890) English Mechanic, all in good condition for binding; also, Morris Typewriter. Wants first-class microscope, camera, chemical or physical apparatus. Address, with full particulars, E. R. Chadbourn, Lewiston, Maine.

Meteorites.—Mr. George F. Kunz, 11 to 15 Union Square, New York, or Hoboken, N. J., will buy or give in exchange for whole or parts of meteorites. Whole ones, undescribed ones, and entire falls especially desired.

Wanted—To furnish roots of *Dodecatheon Meadia*, *Sarracenia purpurea*, and other wild flowers, native of Southern Wisconsin, in quantities. D. E. Willard, Curator of Museum, Albion Academy, Albion, Wis.